# Astrodienst Ephemeris Tables

## for the year 2039

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

# ASTRODIENST EPHEMERIS for the year 2039
# geocentric

## JANUARY 2039 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 42 2 | 10♑24'08 | 25♓33 | 26♐43 | 28♑43 | 21♐53 | 1°R 6 | 29♍14 | 27°R26 | 28°R35 | 22♒38 | 1°R 8 | 0♋44 | 20♉21 | 0°R29 | S 1 |
| S 2 | 6 45 59 | 11°25'17 | 7♈53 | 28°14 | 29°58 | 22°37 | 1♍ 3 | 29°15 | 27♋23 | 28♈34 | 22°39 | 1°D 8 | 0°41 | 20°28 | 0♋25 | S 2 |
| M 3 | 6 49 56 | 12°26'26 | 19°59 | 29°45 | 1♒13 | 23°21 | 1° 0 | 29°16 | 27°21 | 28°34 | 22°41 | 1♋ 8 | 0°38 | 20°34 | 0°21 | M 3 |
| T 4 | 6 53 52 | 13°27'35 | 1♉54 | 1♑16 | 2°28 | 24° 5 | 0°57 | 29°16 | 27°18 | 28°34 | 22°42 | 1° 8 | 0°35 | 20°41 | 0°17 | T 4 |
| W 5 | 6 57 49 | 14°28'43 | 13°44 | 2°47 | 3°43 | 24°49 | 0°53 | 29°17 | 27°16 | 28°34 | 22°44 | 1° 9 | 0°32 | 20°48 | 0°14 | W 5 |
| T 6 | 7 1 45 | 15°29'52 | 25°34 | 4°20 | 4°58 | 25°33 | 0°50 | 29°17 | 27°13 | 28°34 | 22°45 | 1°11 | 0°29 | 20°54 | 0°10 | T 6 |
| F 7 | 7 5 42 | 16°31'00 | 7♊26 | 5°52 | 6°13 | 26°17 | 0°46 | 29°17 | 27°11 | 28°34 | 22°46 | 1°12 | 0°25 | 21° 1 | 0° 6 | F 7 |
| S 8 | 7 9 38 | 17°32'08 | 19°26 | 7°25 | 7°28 | 27° 1 | 0°42 | 29°R17 | 27° 8 | 28°34 | 22°48 | 1°13 | 0°22 | 21° 8 | 0° 3 | S 8 |
| S 9 | 7 13 35 | 18°33'16 | 1♋35 | 8°58 | 8°43 | 27°45 | 0°38 | 29°17 | 27° 6 | 28°D34 | 22°49 | 1°R14 | 0°19 | 21°14 | 29♊59 | S 9 |
| M10 | 7 17 31 | 19°34'23 | 13°56 | 10°32 | 9°58 | 28°29 | 0°33 | 29°17 | 27° 3 | 28°34 | 22°51 | 1°13 | 0°16 | 21°21 | 29°55 | M10 |
| T 11 | 7 21 28 | 20°35'30 | 26°31 | 12° 6 | 11°13 | 29°14 | 0°29 | 29°17 | 27° 1 | 28°34 | 22°52 | 1°12 | 0°13 | 21°28 | 29°52 | T 11 |
| W12 | 7 25 25 | 21°36'37 | 9♌19 | 13°40 | 12°28 | 29°58 | 0°24 | 29°17 | 26°58 | 28°34 | 22°54 | 1° 9 | 0° 9 | 21°34 | 29°48 | W12 |
| T 13 | 7 29 21 | 22°37'44 | 22°21 | 15°15 | 13°43 | 0♑42 | 0°19 | 29°16 | 26°55 | 28°34 | 22°56 | 1° 6 | 0° 6 | 21°41 | 29°45 | T 13 |
| F 14 | 7 33 18 | 23°38'50 | 5♍36 | 16°50 | 14°58 | 1°26 | 0°14 | 29°16 | 26°53 | 28°34 | 22°57 | 1° 2 | 0° 3 | 21°48 | 29°41 | F 14 |
| S 15 | 7 37 14 | 24°39'57 | 19° 4 | 18°26 | 16°13 | 2°11 | 0° 9 | 29°15 | 26°50 | 28°34 | 22°59 | 0°59 | 29♊59 | 21°54 | 29°38 | S 15 |
| S 16 | 7 41 11 | 25°41'03 | 2♎44 | 20° 3 | 17°27 | 2°55 | 0° 3 | 29°14 | 26°48 | 28°35 | 23° 0 | 0°56 | 29°57 | 22° 1 | 29°35 | S 16 |
| M17 | 7 45 7 | 26°42'09 | 16°35 | 21°39 | 18°42 | 3°40 | 29♌58 | 29°14 | 26°45 | 28°35 | 23° 2 | 0°55 | 29°54 | 22° 8 | 29°31 | M17 |
| T 18 | 7 49 4 | 27°43'14 | 0♏36 | 23°17 | 19°57 | 4°24 | 29°52 | 29°13 | 26°42 | 28°35 | 23° 3 | 0°D54 | 29°50 | 22°14 | 29°28 | T 18 |
| W19 | 7 53 0 | 28°44'20 | 14°47 | 24°55 | 21°12 | 5° 9 | 29°46 | 29°11 | 26°40 | 28°35 | 23° 5 | 0°55 | 29°47 | 22°21 | 29°25 | W19 |
| T 20 | 7 56 57 | 29°45'25 | 29° 4 | 26°33 | 22°27 | 5°53 | 29°40 | 29°10 | 26°37 | 28°36 | 23° 7 | 0°57 | 29°44 | 22°28 | 29°22 | T 20 |
| F 21 | 8 0 54 | 0♒46'30 | 13♐27 | 28°12 | 23°42 | 6°38 | 29°34 | 29° 9 | 26°34 | 28°36 | 23° 8 | 0°58 | 29°41 | 22°34 | 29°19 | F 21 |
| S 22 | 8 4 50 | 1°47'35 | 27°51 | 29°52 | 24°56 | 7°23 | 29°28 | 29° 8 | 26°32 | 28°37 | 23°10 | 0°R59 | 29°38 | 22°41 | 29°15 | S 22 |
| S 23 | 8 8 47 | 2°48'40 | 12♑12 | 1♒32 | 26°11 | 8° 7 | 29°22 | 29° 6 | 26°29 | 28°37 | 23°12 | 0°58 | 29°35 | 22°48 | 29°12 | S 23 |
| M24 | 8 12 43 | 3°49'43 | 26°26 | 3°13 | 27°26 | 8°52 | 29°15 | 29° 4 | 26°27 | 28°38 | 23°13 | 0°56 | 29°31 | 22°54 | 29° 9 | M24 |
| T 25 | 8 16 40 | 4°50'46 | 10♒27 | 4°54 | 28°41 | 9°37 | 29° 9 | 29° 3 | 26°24 | 28°38 | 23°15 | 0°52 | 29°28 | 23° 1 | 29° 7 | T 25 |
| W26 | 8 20 36 | 5°51'48 | 24°11 | 6°36 | 29°55 | 10°22 | 29° 2 | 29° 1 | 26°22 | 28°39 | 23°17 | 0°47 | 29°25 | 23° 8 | 29° 4 | W26 |
| T 27 | 8 24 33 | 6°52'50 | 7♓36 | 8°18 | 1♓10 | 11° 6 | 28°55 | 28°59 | 26°19 | 28°39 | 23°18 | 0°41 | 29°22 | 23°14 | 29° 1 | T 27 |
| F 28 | 8 28 30 | 7°53'50 | 20°39 | 10° 1 | 2°24 | 11°51 | 28°48 | 28°57 | 26°16 | 28°40 | 23°20 | 0°34 | 29°19 | 23°21 | 28°58 | F 28 |
| S 29 | 8 32 26 | 8°54'49 | 3♈21 | 11°45 | 3°39 | 12°36 | 28°41 | 28°55 | 26°14 | 28°41 | 23°22 | 0°29 | 29°15 | 23°28 | 28°56 | S 29 |
| S 30 | 8 36 23 | 9°55'47 | 15°45 | 13°29 | 4°54 | 13°21 | 28°34 | 28°53 | 26°11 | 28°41 | 23°24 | 0°24 | 29°12 | 23°35 | 28°53 | S 30 |
| M31 | 8 40 19 | 10♒56'43 | 27♈52 | 15♒14 | 6♓ 8 | 14♑ 6 | 28♌27 | 28♍50 | 26♋ 9 | 28♈42 | 23♒25 | 0♋21 | 29♊ 9 | 23♉41 | 28♊50 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23s 2 | 6s36 | 5s16 | 23s42 | 0s19 | 21s49 | 1s26 | 23s35 | 0s24 | 12n 1 | 1n 0 | 2n19 | 2n12 | 21n12 | 0n33 | 9n20 | 1s45 | 22s45 | 9s19 | 23n26 | 23n26 | 14n37 | 16n50 | 6s36 |
| S 2 | 22 57 | 1 42 | 5 15 | 23 51 | 0 25 | 21 34 | 1 27 | 23 38 | 0 24 | 12 2 | 1 0 | 2 19 | 2 12 | 21 13 | 0 33 | 9 20 | 1 45 | 22 44 | 9 19 | 23 26 | 23 26 | 14 39 | 16 50 | 6 36 |
| M 3 | 22 51 | 3n10 | 5 0 | 23 58 | 0 32 | 21 19 | 1 28 | 23 41 | 0 25 | 12 3 | 1 0 | 2 19 | 2 12 | 21 13 | 0 33 | 9 20 | 1 45 | 22 44 | 9 19 | 23 26 | 23 26 | 14 41 | 16 50 | 6 36 |
| T 4 | 22 45 | 7 52 | 4 33 | 24 5 | 0 39 | 21 3 | 1 29 | 23 44 | 0 26 | 12 5 | 1 1 | 2 19 | 2 12 | 21 14 | 0 33 | 9 20 | 1 45 | 22 43 | 9 18 | 23 26 | 23 26 | 14 44 | 16 50 | 6 36 |
| W 5 | 22 39 | 12 14 | 3 54 | 24 10 | 0 45 | 20 46 | 1 30 | 23 46 | 0 26 | 12 6 | 1 1 | 2 19 | 2 13 | 21 14 | 0 33 | 9 20 | 1 45 | 22 43 | 9 18 | 23 26 | 23 26 | 14 46 | 16 50 | 6 36 |
| T 6 | 22 32 | 16 9 | 3 5 | 24 13 | 0 52 | 20 29 | 1 31 | 23 48 | 0 27 | 12 8 | 1 1 | 2 19 | 2 13 | 21 15 | 0 33 | 9 20 | 1 45 | 22 42 | 9 18 | 23 26 | 23 26 | 14 49 | 16 50 | 6 36 |
| F 7 | 22 25 | 19 27 | 2 8 | 24 16 | 0 58 | 20 12 | 1 32 | 23 50 | 0 28 | 12 9 | 1 1 | 2 19 | 2 13 | 21 15 | 0 33 | 9 20 | 1 45 | 22 41 | 9 18 | 23 26 | 23 26 | 14 51 | 16 50 | 6 36 |
| S 8 | 22 17 | 21 56 | 1 5 | 24 17 | 1 3 | 19 53 | 1 32 | 23 52 | 0 28 | 12 11 | 1 2 | 2 19 | 2 14 | 21 16 | 0 33 | 9 20 | 1 44 | 22 41 | 9 18 | 23 26 | 23 26 | 14 53 | 16 50 | 6 36 |
| S 9 | 22 9 | 23 27 | 0n 2 | 24 17 | 1 9 | 19 34 | 1 33 | 23 54 | 0 29 | 12 13 | 1 2 | 2 20 | 2 14 | 21 17 | 0 33 | 9 20 | 1 44 | 22 40 | 9 18 | 23 26 | 23 26 | 14 56 | 16 50 | 6 36 |
| M10 | 22 0 | 23 52 | 1 10 | 24 15 | 1 15 | 19 15 | 1 34 | 23 55 | 0 29 | 12 15 | 1 2 | 2 20 | 2 14 | 21 17 | 0 33 | 9 20 | 1 44 | 22 40 | 9 18 | 23 26 | 23 26 | 14 58 | 16 50 | 6 36 |
| T 11 | 21 51 | 23 3 | 2 15 | 24 13 | 1 20 | 18 55 | 1 34 | 23 56 | 0 30 | 12 16 | 1 2 | 2 20 | 2 14 | 21 18 | 0 33 | 9 20 | 1 44 | 22 39 | 9 18 | 23 26 | 23 26 | 15 0 | 16 50 | 6 36 |
| W12 | 21 42 | 21 3 | 3 15 | 24 8 | 1 25 | 18 35 | 1 35 | 23 57 | 0 31 | 12 18 | 1 3 | 2 21 | 2 15 | 21 18 | 0 33 | 9 20 | 1 44 | 22 38 | 9 18 | 23 26 | 23 26 | 15 3 | 16 50 | 6 36 |
| T 13 | 21 32 | 17 56 | 4 6 | 24 3 | 1 30 | 18 13 | 1 35 | 23 57 | 0 31 | 12 20 | 1 3 | 2 21 | 2 15 | 21 19 | 0 33 | 9 20 | 1 44 | 22 38 | 9 18 | 23 26 | 23 26 | 15 5 | 16 51 | 6 36 |
| F 14 | 21 22 | 13 51 | 4 44 | 23 56 | 1 34 | 17 52 | 1 36 | 23 58 | 0 32 | 12 22 | 1 3 | 2 22 | 2 15 | 21 19 | 0 33 | 9 20 | 1 44 | 22 37 | 9 18 | 23 26 | 23 26 | 15 8 | 16 51 | 6 35 |
| S 15 | 21 11 | 9 2 | 5 8 | 23 47 | 1 38 | 17 30 | 1 36 | 23 58 | 0 33 | 12 24 | 1 3 | 2 22 | 2 16 | 21 20 | 0 33 | 9 21 | 1 44 | 22 37 | 9 18 | 23 26 | 23 26 | 15 10 | 16 51 | 6 35 |
| S 16 | 21 0 | 3 43 | 5 14 | 23 38 | 1 42 | 17 7 | 1 36 | 23 57 | 0 33 | 12 26 | 1 4 | 2 23 | 2 16 | 21 20 | 0 33 | 9 21 | 1 44 | 22 36 | 9 18 | 23 26 | 23 26 | 15 12 | 16 51 | 6 35 |
| M17 | 20 49 | 1s51 | 5 3 | 23 26 | 1 46 | 16 44 | 1 36 | 23 57 | 0 34 | 12 29 | 1 4 | 2 23 | 2 16 | 21 21 | 0 33 | 9 21 | 1 44 | 22 36 | 9 17 | 23 26 | 23 26 | 15 15 | 16 51 | 6 35 |
| T 18 | 20 37 | 7 25 | 4 33 | 23 14 | 1 49 | 16 21 | 1 36 | 23 56 | 0 34 | 12 31 | 1 4 | 2 24 | 2 16 | 21 21 | 0 33 | 9 21 | 1 44 | 22 35 | 9 17 | 23 26 | 23 26 | 15 17 | 16 51 | 6 35 |
| W19 | 20 24 | 12 39 | 3 47 | 22 59 | 1 53 | 15 57 | 1 36 | 23 55 | 0 35 | 12 33 | 1 4 | 2 25 | 2 17 | 21 22 | 0 33 | 9 21 | 1 44 | 22 34 | 9 17 | 23 26 | 23 26 | 15 19 | 16 51 | 6 34 |
| T 20 | 20 12 | 17 15 | 2 46 | 22 44 | 1 55 | 15 33 | 1 36 | 23 54 | 0 36 | 12 35 | 1 4 | 2 25 | 2 17 | 21 22 | 0 33 | 9 21 | 1 44 | 22 34 | 9 17 | 23 26 | 23 26 | 15 22 | 16 52 | 6 34 |
| F 21 | 19 59 | 20 50 | 1 35 | 22 26 | 1 58 | 15 8 | 1 36 | 23 52 | 0 36 | 12 38 | 1 5 | 2 26 | 2 17 | 21 23 | 0 33 | 9 22 | 1 44 | 22 33 | 9 17 | 23 26 | 23 26 | 15 24 | 16 52 | 6 34 |
| S 22 | 19 45 | 23 8 | 0 17 | 22 8 | 2 0 | 14 43 | 1 36 | 23 51 | 0 37 | 12 40 | 1 5 | 2 27 | 2 17 | 21 23 | 0 33 | 9 22 | 1 44 | 22 33 | 9 17 | 23 26 | 23 26 | 15 26 | 16 52 | 6 34 |
| S 23 | 19 32 | 23 53 | 1s 1 | 21 48 | 2 2 | 14 17 | 1 36 | 23 49 | 0 38 | 12 42 | 1 5 | 2 28 | 2 18 | 21 24 | 0 33 | 9 22 | 1 44 | 22 32 | 9 17 | 23 26 | 23 26 | 15 29 | 16 52 | 6 34 |
| M24 | 19 17 | 23 4 | 2 15 | 21 26 | 2 3 | 13 51 | 1 35 | 23 46 | 0 38 | 12 45 | 1 5 | 2 29 | 2 18 | 21 24 | 0 33 | 9 22 | 1 44 | 22 31 | 9 17 | 23 26 | 23 26 | 15 31 | 16 53 | 6 33 |
| T 25 | 19 3 | 20 48 | 3 19 | 21 3 | 2 4 | 13 25 | 1 35 | 23 44 | 0 39 | 12 47 | 1 5 | 2 30 | 2 18 | 21 25 | 0 33 | 9 23 | 1 43 | 22 31 | 9 17 | 23 26 | 23 26 | 15 34 | 16 53 | 6 33 |
| W26 | 18 48 | 17 23 | 4 10 | 20 38 | 2 5 | 12 58 | 1 34 | 23 41 | 0 39 | 12 50 | 1 6 | 2 31 | 2 19 | 21 25 | 0 33 | 9 23 | 1 43 | 22 30 | 9 17 | 23 26 | 23 26 | 15 36 | 16 53 | 6 33 |
| T 27 | 18 33 | 13 8 | 4 46 | 20 12 | 2 5 | 12 31 | 1 34 | 23 38 | 0 40 | 12 52 | 1 6 | 2 32 | 2 19 | 21 26 | 0 33 | 9 23 | 1 43 | 22 30 | 9 17 | 23 26 | 23 26 | 15 38 | 16 53 | 6 33 |
| F 28 | 18 17 | 8 24 | 5 6 | 19 44 | 2 5 | 12 4 | 1 33 | 23 35 | 0 41 | 12 55 | 1 6 | 2 33 | 2 19 | 21 26 | 0 33 | 9 23 | 1 43 | 22 29 | 9 17 | 23 26 | 23 26 | 15 41 | 16 53 | 6 32 |
| S 29 | 18 2 | 3 25 | 5 10 | 19 15 | 2 4 | 11 36 | 1 32 | 23 31 | 0 41 | 12 58 | 1 6 | 2 34 | 2 19 | 21 27 | 0 33 | 9 24 | 1 43 | 22 28 | 9 17 | 23 26 | 23 26 | 15 43 | 16 54 | 6 32 |
| S 30 | 17 45 | 1n35 | 5 0 | 18 44 | 2 3 | 11 8 | 1 32 | 23 28 | 0 42 | 13 0 | 1 6 | 2 35 | 2 20 | 21 27 | 0 33 | 9 24 | 1 43 | 22 28 | 9 17 | 23 26 | 23 26 | 15 45 | 16 54 | 6 32 |
| M31 | 17s29 | 6n25 | 4s36 | 18s12 | 2s 2 | 10s40 | 1s31 | 23s24 | 0s43 | 13n 3 | 1n 6 | 2n36 | 2n20 | 21n28 | 0n33 | 9n24 | 1s43 | 22s27 | 9s17 | 23n26 | 23n26 | 15n48 | 16n54 | 6s31 |

Julian Day Number = 2465789.5, Delta T = 71.54 sec
Ecliptic obliquity = 23°26'03, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°17'06, Lahiri = 24°24'07

# ASTRODIENST EPHEMERIS for the year 2039
# geocentric

## FEBRUARY 2039 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 8 44 16 | 11♒57'39 | 9♉49 | 17♒ 0 | 7♓23 | 14♑51 | 28°R20 | 28°R48 | 26°R 6 | 28♈43 | 23♒27 | 0°D20 | 29♊ 6 | 23♉48 | 28°R48 | T 1 |
| W 2 | 8 48 12 | 12°58'33 | 21°39 | 18°46 | 8°37 | 15°36 | 28♌12 | 28♍45 | 26♋ 4 | 28°44 | 23°29 | 0♋20 | 29° 3 | 23°55 | 28♊45 | W 2 |
| T 3 | 8 52 9 | 13°59'26 | 3♊28 | 20°32 | 9°52 | 16°21 | 28° 5 | 28°43 | 26° 1 | 28°45 | 23°30 | 0°22 | 29° 0 | 24° 1 | 28°43 | T 3 |
| F 4 | 8 56 5 | 15° 0'18 | 15°22 | 22°19 | 11° 6 | 17° 6 | 27°57 | 28°40 | 25°59 | 28°46 | 23°32 | 0°23 | 28°56 | 24° 8 | 28°41 | F 4 |
| S 5 | 9 0 2 | 16° 1'08 | 27°24 | 24° 5 | 12°20 | 17°52 | 27°50 | 28°37 | 25°57 | 28°46 | 23°34 | 0°R24 | 28°53 | 24°15 | 28°39 | S 5 |
| S 6 | 9 3 59 | 17° 1'57 | 9♋40 | 25°53 | 13°35 | 18°37 | 27°42 | 28°34 | 25°54 | 28°47 | 23°36 | 0°24 | 28°50 | 24°21 | 28°37 | S 6 |
| M 7 | 9 7 55 | 18° 2'45 | 22°12 | 27°40 | 14°49 | 19°22 | 27°34 | 28°32 | 25°52 | 28°48 | 23°37 | 0°21 | 28°47 | 24°28 | 28°34 | M 7 |
| T 8 | 9 11 52 | 19° 3'32 | 5♌ 2 | 29°27 | 16° 3 | 20° 7 | 27°26 | 28°28 | 25°49 | 28°49 | 23°39 | 0°17 | 28°44 | 24°35 | 28°32 | T 8 |
| W 9 | 9 15 48 | 20° 4'17 | 18°12 | 1♓14 | 17°17 | 20°53 | 27°19 | 28°25 | 25°47 | 28°50 | 23°41 | 0°10 | 28°41 | 24°41 | 28°31 | W 9 |
| T 10 | 9 19 45 | 21° 5'00 | 1♍39 | 3° 0 | 18°31 | 21°38 | 27°11 | 28°22 | 25°45 | 28°52 | 23°43 | 0° 2 | 28°37 | 24°48 | 28°29 | T 10 |
| F 11 | 9 23 41 | 22° 5'43 | 15°22 | 4°45 | 19°46 | 22°23 | 27° 3 | 28°19 | 25°43 | 28°53 | 23°44 | 29♊52 | 28°34 | 24°55 | 28°27 | F 11 |
| S 12 | 9 27 38 | 23° 6'24 | 29°17 | 6°30 | 21° 0 | 23° 9 | 26°55 | 28°16 | 25°40 | 28°54 | 23°46 | 29°43 | 28°31 | 25° 1 | 28°25 | S 12 |
| S 13 | 9 31 34 | 24° 7'04 | 13♎20 | 8°13 | 22°14 | 23°54 | 26°47 | 28°12 | 25°38 | 28°55 | 23°48 | 29°36 | 28°28 | 25° 8 | 28°24 | S 13 |
| M14 | 9 35 31 | 25° 7'43 | 27°27 | 9°54 | 23°28 | 24°39 | 26°39 | 28° 9 | 25°36 | 28°56 | 23°50 | 29°30 | 28°25 | 25°15 | 28°22 | M14 |
| T 15 | 9 39 28 | 26° 8'21 | 11♏36 | 11°33 | 24°42 | 25°25 | 26°31 | 28° 5 | 25°34 | 28°57 | 23°51 | 29°27 | 28°21 | 25°21 | 28°21 | T 15 |
| W16 | 9 43 24 | 27° 8'58 | 25°44 | 13° 9 | 25°55 | 26°10 | 26°23 | 28° 1 | 25°32 | 28°59 | 23°53 | 29°D26 | 28°18 | 25°28 | 28°19 | W16 |
| T 17 | 9 47 21 | 28° 9'33 | 9♐50 | 14°42 | 27° 9 | 26°56 | 26°15 | 27°58 | 25°30 | 29° 0 | 23°55 | 29°27 | 28°15 | 25°35 | 28°18 | T 17 |
| F 18 | 9 51 17 | 29°10'08 | 23°52 | 16°11 | 28°23 | 27°42 | 26° 8 | 27°54 | 25°28 | 29° 1 | 23°57 | 29°R27 | 28°12 | 25°41 | 28°17 | F 18 |
| S 19 | 9 55 14 | 0♓10'41 | 7♑51 | 17°36 | 29°37 | 28°27 | 26° 0 | 27°50 | 25°26 | 29° 3 | 23°58 | 29°27 | 28° 9 | 25°48 | 28°16 | S 19 |
| S 20 | 9 59 10 | 1°11'14 | 21°44 | 18°55 | 0♈51 | 29°13 | 25°52 | 27°46 | 25°24 | 29° 4 | 24° 0 | 29°25 | 28° 6 | 25°55 | 28°15 | S 20 |
| M21 | 10 3 7 | 2°11'44 | 5♒30 | 20° 9 | 2° 4 | 29°59 | 25°44 | 27°42 | 25°22 | 29° 5 | 24° 2 | 29°20 | 28° 2 | 26° 1 | 28°14 | M21 |
| T 22 | 10 7 3 | 3°12'13 | 19° 7 | 21°16 | 3°18 | 0♒44 | 25°36 | 27°38 | 25°20 | 29° 7 | 24° 4 | 29°13 | 27°59 | 26° 8 | 28°13 | T 22 |
| W23 | 10 11 0 | 4°12'41 | 2♓32 | 22°16 | 4°31 | 1°30 | 25°28 | 27°34 | 25°18 | 29° 8 | 24° 5 | 29° 2 | 27°56 | 26°15 | 28°12 | W23 |
| T 24 | 10 14 57 | 5°13'07 | 15°42 | 23° 8 | 5°45 | 2°16 | 25°20 | 27°30 | 25°16 | 29°10 | 24° 7 | 28°51 | 27°53 | 26°21 | 28°11 | T 24 |
| F 25 | 10 18 53 | 6°13'31 | 28°36 | 23°52 | 6°58 | 3° 1 | 25°13 | 27°25 | 25°14 | 29°11 | 24° 9 | 28°38 | 27°50 | 26°28 | 28°11 | F 25 |
| S 26 | 10 22 50 | 7°13'54 | 11♈12 | 24°27 | 8°12 | 3°47 | 25° 5 | 27°21 | 25°12 | 29°13 | 24°11 | 28°27 | 27°47 | 26°35 | 28°10 | S 26 |
| S 27 | 10 26 46 | 8°14'14 | 23°33 | 24°53 | 9°25 | 4°33 | 24°58 | 27°17 | 25°11 | 29°14 | 24°12 | 28°17 | 27°43 | 26°41 | 28° 9 | S 27 |
| M28 | 10 30 43 | 9♓14'33 | 5♉40 | 25♓ 9 | 10♈39 | 5♒19 | 24♌50 | 27♍12 | 25♋ 9 | 29♈16 | 24♒14 | 28♊ 9 | 27♊40 | 26♉48 | 28♊ 9 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s12 | 10n57 | 4s 0 | 17s38 | 2s 0 | 10s11 | 1s30 | 23s19 | 0s43 | 13n 6 | 1n 7 | 2n37 | 2n20 | 21n28 | 0n33 | 9n25 | 1s43 | 22s27 | 9s17 | 23n26 | 23n26 | 15n50 | 16n55 | 6s31 |
| W 2 | 16 55 | 15 2 | 3 15 | 17 3 | 1 57 | 9 43 | 1 29 | 23 15 | 0 44 | 13 8 | 1 7 | 2 38 | 2 20 | 21 28 | 0 33 | 9 25 | 1 43 | 22 26 | 9 17 | 23 26 | 23 26 | 15 52 | 16 55 | 6 31 |
| T 3 | 16 38 | 18 32 | 2 21 | 16 26 | 1 54 | 9 13 | 1 28 | 23 10 | 0 44 | 13 11 | 1 7 | 2 40 | 2 21 | 21 29 | 0 33 | 9 25 | 1 43 | 22 26 | 9 17 | 23 26 | 23 26 | 15 55 | 16 55 | 6 31 |
| F 4 | 16 20 | 21 18 | 1 21 | 15 48 | 1 50 | 8 44 | 1 27 | 23 5 | 0 45 | 13 14 | 1 7 | 2 41 | 2 21 | 21 29 | 0 33 | 9 26 | 1 43 | 22 25 | 9 17 | 23 26 | 23 26 | 15 57 | 16 55 | 6 30 |
| S 5 | 16 2 | 23 8 | 0 16 | 15 9 | 1 46 | 8 15 | 1 25 | 23 0 | 0 46 | 13 17 | 1 7 | 2 42 | 2 21 | 21 30 | 0 33 | 9 26 | 1 43 | 22 24 | 9 17 | 23 26 | 23 26 | 15 59 | 16 56 | 6 30 |
| S 6 | 15 44 | 23 55 | 0n50 | 14 28 | 1 41 | 7 45 | 1 24 | 22 54 | 0 46 | 13 19 | 1 7 | 2 44 | 2 21 | 21 30 | 0 33 | 9 26 | 1 43 | 22 24 | 9 17 | 23 26 | 23 26 | 16 1 | 16 56 | 6 30 |
| M 7 | 15 25 | 23 30 | 1 55 | 13 46 | 1 35 | 7 15 | 1 23 | 22 49 | 0 47 | 13 22 | 1 8 | 2 45 | 2 21 | 21 31 | 0 33 | 9 27 | 1 43 | 22 23 | 9 17 | 23 26 | 23 26 | 16 4 | 16 56 | 6 29 |
| T 8 | 15 6 | 21 51 | 2 56 | 13 3 | 1 29 | 6 45 | 1 21 | 22 43 | 0 47 | 13 25 | 1 8 | 2 46 | 2 22 | 21 31 | 0 33 | 9 27 | 1 43 | 22 23 | 9 17 | 23 26 | 23 26 | 16 6 | 16 57 | 6 29 |
| W 9 | 14 47 | 18 59 | 3 48 | 12 19 | 1 22 | 6 15 | 1 20 | 22 36 | 0 48 | 13 28 | 1 8 | 2 48 | 2 22 | 21 32 | 0 33 | 9 28 | 1 43 | 22 22 | 9 17 | 23 26 | 23 26 | 16 8 | 16 57 | 6 29 |
| T 10 | 14 28 | 15 5 | 4 30 | 11 34 | 1 14 | 5 44 | 1 18 | 22 30 | 0 49 | 13 31 | 1 8 | 2 49 | 2 22 | 21 32 | 0 33 | 9 28 | 1 43 | 22 22 | 9 17 | 23 26 | 23 26 | 16 11 | 16 57 | 6 28 |
| F 11 | 14 9 | 10 19 | 4 56 | 10 47 | 1 6 | 5 14 | 1 16 | 22 23 | 0 49 | 13 33 | 1 8 | 2 51 | 2 22 | 21 32 | 0 33 | 9 28 | 1 43 | 22 21 | 9 17 | 23 26 | 23 26 | 16 13 | 16 58 | 6 28 |
| S 12 | 13 49 | 4 58 | 5 6 | 10 1 | 0 57 | 4 43 | 1 15 | 22 16 | 0 50 | 13 36 | 1 8 | 2 52 | 2 23 | 21 33 | 0 33 | 9 29 | 1 42 | 22 20 | 9 17 | 23 26 | 23 26 | 16 15 | 16 58 | 6 27 |
| S 13 | 13 29 | 0s42 | 4 57 | 9 13 | 0 47 | 4 12 | 1 13 | 22 9 | 0 50 | 13 39 | 1 8 | 2 54 | 2 23 | 21 33 | 0 33 | 9 29 | 1 42 | 22 20 | 9 18 | 23 26 | 23 26 | 16 18 | 16 58 | 6 27 |
| M14 | 13 9 | 6 21 | 4 31 | 8 26 | 0 37 | 3 41 | 1 11 | 22 2 | 0 51 | 13 42 | 1 8 | 2 56 | 2 23 | 21 34 | 0 33 | 9 30 | 1 42 | 22 19 | 9 18 | 23 26 | 23 25 | 16 20 | 16 59 | 6 27 |
| T 15 | 12 48 | 11 42 | 3 47 | 7 38 | 0 26 | 3 10 | 1 9 | 21 54 | 0 52 | 13 45 | 1 8 | 2 57 | 2 23 | 21 34 | 0 33 | 9 30 | 1 42 | 22 19 | 9 18 | 23 26 | 23 25 | 16 22 | 16 59 | 6 26 |
| W16 | 12 28 | 16 26 | 2 50 | 6 50 | 0 14 | 2 39 | 1 7 | 21 46 | 0 52 | 13 47 | 1 9 | 2 59 | 2 23 | 21 34 | 0 33 | 9 31 | 1 42 | 22 18 | 9 18 | 23 26 | 23 25 | 16 24 | 17 0 | 6 26 |
| T 17 | 12 7 | 20 13 | 1 43 | 6 3 | 0 1 | 2 8 | 1 5 | 21 38 | 0 53 | 13 50 | 1 9 | 3 0 | 2 24 | 21 35 | 0 33 | 9 31 | 1 42 | 22 18 | 9 18 | 23 26 | 23 25 | 16 27 | 17 0 | 6 25 |
| F 18 | 11 46 | 22 48 | 0 30 | 5 16 | 0n12 | 1 36 | 1 3 | 21 29 | 0 53 | 13 53 | 1 9 | 3 2 | 2 24 | 21 35 | 0 33 | 9 32 | 1 42 | 22 17 | 9 18 | 23 26 | 23 25 | 16 29 | 17 0 | 6 25 |
| S 19 | 11 24 | 23 57 | 0s45 | 4 31 | 0 25 | 1 5 | 1 1 | 21 21 | 0 54 | 13 56 | 1 9 | 3 4 | 2 24 | 21 35 | 0 33 | 9 32 | 1 42 | 22 17 | 9 18 | 23 26 | 23 25 | 16 31 | 17 1 | 6 25 |
| S 20 | 11 3 | 23 35 | 1 56 | 3 47 | 0 39 | 0 34 | 0 59 | 21 12 | 0 55 | 13 59 | 1 9 | 3 6 | 2 24 | 21 36 | 0 33 | 9 33 | 1 42 | 22 16 | 9 18 | 23 26 | 23 25 | 16 34 | 17 1 | 6 24 |
| M21 | 10 41 | 21 48 | 3 0 | 3 4 | 0 54 | 0 2 | 0 56 | 21 3 | 0 55 | 14 1 | 1 9 | 3 7 | 2 24 | 21 36 | 0 33 | 9 33 | 1 42 | 22 16 | 9 18 | 23 26 | 23 25 | 16 36 | 17 2 | 6 24 |
| T 22 | 10 20 | 18 46 | 3 52 | 2 24 | 1 9 | 0n29 | 0 54 | 20 54 | 0 56 | 14 4 | 1 9 | 3 9 | 2 24 | 21 37 | 0 33 | 9 34 | 1 42 | 22 15 | 9 18 | 23 26 | 23 25 | 16 38 | 17 2 | 6 23 |
| W23 | 9 58 | 14 47 | 4 31 | 1 47 | 1 24 | 1 1 | 0 52 | 20 44 | 0 56 | 14 7 | 1 9 | 3 11 | 2 25 | 21 37 | 0 33 | 9 35 | 1 42 | 22 15 | 9 18 | 23 26 | 23 25 | 16 40 | 17 2 | 6 23 |
| T 24 | 9 36 | 10 10 | 4 55 | 1 12 | 1 39 | 1 32 | 0 49 | 20 34 | 0 57 | 14 9 | 1 9 | 3 13 | 2 25 | 21 37 | 0 33 | 9 35 | 1 42 | 22 14 | 9 18 | 23 26 | 23 25 | 16 43 | 17 3 | 6 23 |
| F 25 | 9 14 | 5 11 | 5 2 | 0 41 | 1 54 | 2 3 | 0 47 | 20 25 | 0 57 | 14 12 | 1 9 | 3 14 | 2 25 | 21 38 | 0 33 | 9 36 | 1 42 | 22 14 | 9 18 | 23 26 | 23 25 | 16 45 | 17 3 | 6 22 |
| S 26 | 8 51 | 0 6 | 4 55 | 0 14 | 2 9 | 2 35 | 0 44 | 20 14 | 0 58 | 14 15 | 1 9 | 3 16 | 2 25 | 21 38 | 0 33 | 9 36 | 1 42 | 22 13 | 9 19 | 23 26 | 23 25 | 16 47 | 17 4 | 6 22 |
| S 27 | 8 29 | 4n54 | 4 34 | 0n10 | 2 23 | 3 6 | 0 41 | 20 4 | 0 58 | 14 17 | 1 9 | 3 18 | 2 25 | 21 38 | 0 33 | 9 37 | 1 42 | 22 13 | 9 19 | 23 25 | 23 25 | 16 49 | 17 4 | 6 21 |
| M28 | 8s 6 | 9n37 | 4s 1 | 0n29 | 2n37 | 3n37 | 0s39 | 19s53 | 0s59 | 14n20 | 1n 9 | 3n20 | 2n25 | 21n38 | 0n33 | 9n37 | 1s42 | 22s12 | 9s19 | 23n25 | 23n25 | 16n52 | 17n 4 | 6s21 |

Julian Day Number = 2465820.5, Delta T = 71.56 sec
Ecliptic obliquity = 23°26'03, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°17'11, Lahiri = 24°24'11

# ASTRODIENST EPHEMERIS for the year 2039
# geocentric

## MARCH 2039 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 34 39 | 10♓14'50 | 17♉36 | 25°R16 | 11♈52 | 6♒ 5 | 24°R43 | 27°R 8 | 25°R 7 | 29♈17 | 24♒16 | 28°R 4 | 27♊37 | 26♉55 | 28°R 9 | T 1 |
| W 2 | 10 38 36 | 11°15'05 | 29°26 | 25♓13 | 13° 5 | 6°51 | 24♑35 | 27♍ 4 | 25♋ 6 | 29°19 | 24°17 | 28♊ 2 | 27°34 | 27° 1 | 28♊ 9 | W 2 |
| T 3 | 10 42 32 | 12°15'18 | 11♊14 | 25° 0 | 14°18 | 7°37 | 24°28 | 26°59 | 25° 4 | 29°21 | 24°19 | 28°D 1 | 27°31 | 27° 8 | 28° 8 | T 3 |
| F 4 | 10 46 29 | 13°15'28 | 23° 7 | 24°38 | 15°31 | 8°23 | 24°21 | 26°55 | 25° 3 | 29°22 | 24°21 | 28°R 1 | 27°27 | 27°15 | 28°D 8 | F 4 |
| S 5 | 10 50 25 | 14°15'37 | 5♋ 9 | 24° 8 | 16°44 | 9° 8 | 24°14 | 26°50 | 25° 1 | 29°24 | 24°23 | 28° 1 | 27°24 | 27°21 | 28° 8 | S 5 |
| S 6 | 10 54 22 | 15°15'44 | 17°27 | 23°30 | 17°57 | 9°54 | 24° 7 | 26°46 | 25° 0 | 29°26 | 24°24 | 28° 0 | 27°21 | 27°28 | 28° 8 | S 6 |
| M 7 | 10 58 19 | 16°15'49 | 0♌ 3 | 22°46 | 19°10 | 10°40 | 24° 0 | 26°41 | 24°59 | 29°28 | 24°26 | 27°56 | 27°18 | 27°35 | 28° 9 | M 7 |
| T 8 | 11 2 15 | 17°15'51 | 13° 3 | 21°55 | 20°23 | 11°26 | 23°53 | 26°36 | 24°57 | 29°29 | 24°28 | 27°50 | 27°15 | 27°41 | 28° 9 | T 8 |
| W 9 | 11 6 12 | 18°15'52 | 26°26 | 21° 0 | 21°35 | 12°12 | 23°46 | 26°32 | 24°56 | 29°31 | 24°29 | 27°41 | 27°12 | 27°48 | 28° 9 | W 9 |
| T 10 | 11 10 8 | 19°15'50 | 10♍14 | 20° 3 | 22°48 | 12°59 | 23°40 | 26°27 | 24°55 | 29°33 | 24°31 | 27°30 | 27° 8 | 27°55 | 28°10 | T 10 |
| F 11 | 11 14 5 | 20°15'46 | 24°21 | 19° 3 | 24° 1 | 13°45 | 23°33 | 26°22 | 24°54 | 29°35 | 24°32 | 27°17 | 27° 5 | 28° 1 | 28°10 | F 11 |
| S 12 | 11 18 1 | 21°15'41 | 8♎44 | 18° 4 | 25°13 | 14°31 | 23°27 | 26°18 | 24°52 | 29°37 | 24°34 | 27° 5 | 27° 2 | 28° 8 | 28°11 | S 12 |
| S 13 | 11 21 58 | 22°15'34 | 23°15 | 17° 5 | 26°25 | 15°17 | 23°21 | 26°13 | 24°51 | 29°39 | 24°36 | 26°55 | 26°59 | 28°15 | 28°12 | S 13 |
| M14 | 11 25 54 | 23°15'25 | 7♏48 | 16° 9 | 27°38 | 16° 3 | 23°15 | 26° 8 | 24°50 | 29°40 | 24°37 | 26°47 | 26°56 | 28°21 | 28°12 | M14 |
| T 15 | 11 29 51 | 24°15'14 | 22°16 | 15°16 | 28°50 | 16°49 | 23° 9 | 26° 3 | 24°49 | 29°42 | 24°39 | 26°42 | 26°52 | 28°28 | 28°13 | T 15 |
| W16 | 11 33 48 | 25°15'02 | 6♐36 | 14°27 | 0♉ 2 | 17°35 | 23° 3 | 25°59 | 24°48 | 29°44 | 24°40 | 26°39 | 26°49 | 28°34 | 28°14 | W16 |
| T 17 | 11 37 44 | 26°14'48 | 20°45 | 13°43 | 1°14 | 18°21 | 22°57 | 25°54 | 24°48 | 29°46 | 24°42 | 26°39 | 26°46 | 28°41 | 28°15 | T 17 |
| F 18 | 11 41 41 | 27°14'32 | 4♑42 | 13° 5 | 2°26 | 19° 8 | 22°52 | 25°49 | 24°47 | 29°48 | 24°43 | 26°39 | 26°43 | 28°48 | 28°16 | F 18 |
| S 19 | 11 45 37 | 28°14'15 | 18°28 | 12°32 | 3°38 | 19°54 | 22°46 | 25°44 | 24°46 | 29°50 | 24°45 | 26°38 | 26°40 | 28°54 | 28°18 | S 19 |
| S 20 | 11 49 34 | 29°13'56 | 2♒ 2 | 12° 6 | 4°50 | 20°40 | 22°41 | 25°40 | 24°45 | 29°52 | 24°46 | 26°35 | 26°37 | 29° 1 | 28°19 | S 20 |
| M21 | 11 53 30 | 0♈13'35 | 15°25 | 11°46 | 6° 2 | 21°26 | 22°36 | 25°35 | 24°45 | 29°54 | 24°48 | 26°29 | 26°33 | 29° 8 | 28°20 | M21 |
| T 22 | 11 57 27 | 1°13'12 | 28°37 | 11°32 | 7°14 | 22°12 | 22°31 | 25°30 | 24°44 | 29°56 | 24°49 | 26°21 | 26°30 | 29°14 | 28°22 | T 22 |
| W23 | 12 1 23 | 2°12'48 | 11♓38 | 11°24 | 8°25 | 22°59 | 22°27 | 25°26 | 24°43 | 29°58 | 24°51 | 26° 9 | 26°27 | 29°21 | 28°23 | W23 |
| T 24 | 12 5 20 | 3°12'21 | 24°28 | 11°D22 | 9°37 | 23°45 | 22°22 | 25°21 | 24°43 | 0♉ 0 | 24°52 | 25°56 | 26°24 | 29°28 | 28°25 | T 24 |
| F 25 | 12 9 17 | 4°11'53 | 7♈ 5 | 11°26 | 10°48 | 24°31 | 22°18 | 25°16 | 24°42 | 0° 2 | 24°54 | 25°43 | 26°21 | 29°34 | 28°26 | F 25 |
| S 26 | 12 13 13 | 5°11'22 | 19°30 | 11°36 | 12° 0 | 25°18 | 22°13 | 25°12 | 24°42 | 0° 4 | 24°55 | 25°29 | 26°18 | 29°41 | 28°28 | S 26 |
| S 27 | 12 17 10 | 6°10'50 | 1♉43 | 11°51 | 13°11 | 26° 4 | 22° 9 | 25° 7 | 24°42 | 0° 7 | 24°57 | 25°18 | 26°14 | 29°48 | 28°30 | S 27 |
| M28 | 12 21 6 | 7°10'15 | 13°44 | 12°11 | 14°22 | 26°50 | 22° 5 | 25° 2 | 24°41 | 0° 9 | 24°58 | 25° 9 | 26°11 | 29°54 | 28°32 | M28 |
| T 29 | 12 25 3 | 8° 9'38 | 25°38 | 12°36 | 15°33 | 27°36 | 22° 2 | 24°58 | 24°41 | 0°11 | 24°59 | 25° 2 | 26° 8 | 0♊ 1 | 28°34 | T 29 |
| W30 | 12 28 59 | 9° 8'59 | 7♊26 | 13° 5 | 16°44 | 28°23 | 21°58 | 24°53 | 24°41 | 0°13 | 25° 1 | 24°59 | 26° 5 | 0° 8 | 28°36 | W30 |
| T 31 | 12 32 56 | 10♈ 8'18 | 19♊13 | 13♓39 | 17♉55 | 29♒ 9 | 21♑55 | 24♍49 | 24♋41 | 0♉15 | 25♒ 2 | 24♊58 | 26♊ 2 | 0♊14 | 28♊38 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7s43 | 13n55 | 3s17 | 0n43 | 2n50 | 4n 8 | 0s36 | 19s43 | 1s 0 | 14n22 | 1n 9 | 3n22 | 2n26 | 21n39 | 0n33 | 9n38 | 1s42 | 22s12 | 9s19 | 23n25 | 23n25 | 16n54 | 17n 5 | 6s20 |
| W 2 | 7 21 | 17 39 | 2 26 | 0 53 | 3 2 | 4 39 | 0 33 | 19 32 | 1 0 | 14 25 | 1 9 | 3 24 | 2 26 | 21 39 | 0 33 | 9 39 | 1 42 | 22 11 | 9 19 | 23 25 | 23 25 | 16 56 | 17 5 | 6 20 |
| T 3 | 6 58 | 20 40 | 1 28 | 0 57 | 3 12 | 5 10 | 0 30 | 19 20 | 1 1 | 14 27 | 1 9 | 3 26 | 2 26 | 21 39 | 0 33 | 9 39 | 1 42 | 22 11 | 9 19 | 23 25 | 23 25 | 16 58 | 17 6 | 6 20 |
| F 4 | 6 35 | 22 49 | 0 26 | 0 57 | 3 21 | 5 41 | 0 27 | 19 9 | 1 1 | 14 30 | 1 9 | 3 28 | 2 26 | 21 39 | 0 33 | 9 40 | 1 42 | 22 10 | 9 19 | 23 25 | 23 25 | 17 1 | 17 6 | 6 19 |
| S 5 | 6 12 | 23 58 | 0n38 | 0 52 | 3 29 | 6 12 | 0 24 | 18 58 | 1 2 | 14 32 | 1 9 | 3 29 | 2 26 | 21 40 | 0 33 | 9 41 | 1 42 | 22 10 | 9 19 | 23 25 | 23 25 | 17 3 | 17 7 | 6 19 |
| S 6 | 5 48 | 23 58 | 1 41 | 0 42 | 3 35 | 6 43 | 0 22 | 18 46 | 1 2 | 14 34 | 1 9 | 3 31 | 2 26 | 21 40 | 0 33 | 9 41 | 1 41 | 22 9 | 9 20 | 23 25 | 23 24 | 17 5 | 17 7 | 6 18 |
| M 7 | 5 25 | 22 45 | 2 41 | 0 28 | 3 38 | 7 13 | 0 19 | 18 34 | 1 3 | 14 37 | 1 9 | 3 33 | 2 26 | 21 40 | 0 33 | 9 42 | 1 41 | 22 9 | 9 20 | 23 25 | 23 24 | 17 7 | 17 8 | 6 18 |
| T 8 | 5 2 | 20 19 | 3 34 | 0 10 | 3 40 | 7 43 | 0 15 | 18 22 | 1 3 | 14 39 | 1 9 | 3 35 | 2 26 | 21 40 | 0 33 | 9 42 | 1 41 | 22 8 | 9 20 | 23 25 | 23 24 | 17 10 | 17 8 | 6 17 |
| W 9 | 4 38 | 16 44 | 4 18 | 0s12 | 3 40 | 8 13 | 0 12 | 18 9 | 1 4 | 14 41 | 1 9 | 3 37 | 2 26 | 21 41 | 0 33 | 9 43 | 1 41 | 22 8 | 9 20 | 23 25 | 23 24 | 17 12 | 17 8 | 6 17 |
| T 10 | 4 15 | 12 10 | 4 47 | 0 37 | 3 37 | 8 43 | 0 9 | 17 57 | 1 4 | 14 43 | 1 9 | 3 39 | 2 27 | 21 41 | 0 33 | 9 44 | 1 41 | 22 8 | 9 20 | 23 25 | 23 24 | 17 14 | 17 9 | 6 16 |
| F 11 | 3 51 | 6 50 | 5 0 | 1 4 | 3 33 | 9 13 | 0 6 | 17 44 | 1 5 | 14 45 | 1 9 | 3 41 | 2 27 | 21 41 | 0 33 | 9 44 | 1 41 | 22 7 | 9 20 | 23 24 | 23 24 | 17 16 | 17 9 | 6 16 |
| S 12 | 3 28 | 1 3 | 4 54 | 1 33 | 3 26 | 9 43 | 0 3 | 17 31 | 1 5 | 14 47 | 1 9 | 3 43 | 2 27 | 21 41 | 0 33 | 9 45 | 1 41 | 22 7 | 9 21 | 23 24 | 23 24 | 17 19 | 17 10 | 6 16 |
| S 13 | 3 4 | 4s51 | 4 30 | 2 4 | 3 18 | 10 12 | 0n 0 | 17 18 | 1 6 | 14 49 | 1 9 | 3 45 | 2 27 | 21 41 | 0 33 | 9 46 | 1 41 | 22 6 | 9 21 | 23 24 | 23 24 | 17 21 | 17 10 | 6 15 |
| M14 | 2 41 | 10 31 | 3 48 | 2 34 | 3 8 | 10 41 | 0 4 | 17 5 | 1 6 | 14 51 | 1 9 | 3 47 | 2 27 | 21 42 | 0 33 | 9 47 | 1 41 | 22 6 | 9 21 | 23 24 | 23 24 | 17 23 | 17 11 | 6 15 |
| T 15 | 2 17 | 15 35 | 2 51 | 3 5 | 2 57 | 11 10 | 0 7 | 16 51 | 1 7 | 14 53 | 1 9 | 3 49 | 2 27 | 21 42 | 0 33 | 9 47 | 1 41 | 22 6 | 9 21 | 23 24 | 23 24 | 17 25 | 17 11 | 6 14 |
| W16 | 1 53 | 19 42 | 1 44 | 3 35 | 2 45 | 11 38 | 0 10 | 16 38 | 1 7 | 14 55 | 1 9 | 3 51 | 2 27 | 21 42 | 0 33 | 9 48 | 1 41 | 22 5 | 9 21 | 23 24 | 23 24 | 17 27 | 17 12 | 6 14 |
| T 17 | 1 30 | 22 36 | 0 31 | 4 4 | 2 31 | 12 7 | 0 13 | 16 24 | 1 8 | 14 57 | 1 9 | 3 53 | 2 27 | 21 42 | 0 33 | 9 49 | 1 41 | 22 5 | 9 21 | 23 24 | 23 24 | 17 30 | 17 12 | 6 13 |
| F 18 | 1 6 | 24 4 | 0s43 | 4 32 | 2 17 | 12 35 | 0 17 | 16 10 | 1 8 | 14 59 | 1 9 | 3 55 | 2 27 | 21 42 | 0 33 | 9 49 | 1 41 | 22 5 | 9 22 | 23 24 | 23 24 | 17 32 | 17 13 | 6 13 |
| S 19 | 0 42 | 24 1 | 1 53 | 4 58 | 2 3 | 13 3 | 0 20 | 15 56 | 1 9 | 15 0 | 1 9 | 3 57 | 2 27 | 21 42 | 0 33 | 9 50 | 1 41 | 22 4 | 9 22 | 23 23 | 23 24 | 17 34 | 17 13 | 6 12 |
| S 20 | 0 18 | 22 33 | 2 55 | 5 22 | 1 48 | 13 30 | 0 24 | 15 42 | 1 9 | 15 2 | 1 9 | 3 58 | 2 27 | 21 42 | 0 33 | 9 51 | 1 41 | 22 4 | 9 22 | 23 23 | 23 23 | 17 36 | 17 13 | 6 12 |
| M21 | 0n 5 | 19 50 | 3 47 | 5 43 | 1 33 | 13 57 | 0 27 | 15 27 | 1 10 | 15 4 | 1 9 | 4 0 | 2 27 | 21 42 | 0 33 | 9 52 | 1 41 | 22 4 | 9 22 | 23 23 | 23 23 | 17 38 | 17 14 | 6 12 |
| T 22 | 0 29 | 16 7 | 4 26 | 6 3 | 1 17 | 14 24 | 0 30 | 15 13 | 1 10 | 15 5 | 1 9 | 4 2 | 2 27 | 21 43 | 0 33 | 9 52 | 1 41 | 22 3 | 9 22 | 23 23 | 23 23 | 17 41 | 17 14 | 6 11 |
| W23 | 0 53 | 11 40 | 4 51 | 6 20 | 1 2 | 14 51 | 0 34 | 14 58 | 1 11 | 15 7 | 1 9 | 4 4 | 2 27 | 21 43 | 0 33 | 9 53 | 1 41 | 22 3 | 9 23 | 23 23 | 23 23 | 17 43 | 17 15 | 6 11 |
| T 24 | 1 16 | 6 47 | 5 0 | 6 34 | 0 48 | 15 17 | 0 37 | 14 43 | 1 11 | 15 8 | 1 9 | 4 6 | 2 27 | 21 43 | 0 33 | 9 54 | 1 41 | 22 3 | 9 23 | 23 22 | 23 23 | 17 45 | 17 15 | 6 10 |
| F 25 | 1 40 | 1 42 | 4 54 | 6 46 | 0 33 | 15 42 | 0 41 | 14 28 | 1 12 | 15 10 | 1 9 | 4 8 | 2 27 | 21 43 | 0 33 | 9 55 | 1 41 | 22 2 | 9 23 | 23 22 | 23 23 | 17 47 | 17 16 | 6 10 |
| S 26 | 2 4 | 3n23 | 4 35 | 6 55 | 0 19 | 16 8 | 0 44 | 14 13 | 1 12 | 15 11 | 1 9 | 4 10 | 2 27 | 21 43 | 0 32 | 9 55 | 1 41 | 22 2 | 9 23 | 23 21 | 23 23 | 17 49 | 17 16 | 6 9 |
| S 27 | 2 27 | 8 16 | 4 3 | 7 2 | 0 5 | 16 33 | 0 48 | 13 58 | 1 12 | 15 12 | 1 8 | 4 12 | 2 27 | 21 43 | 0 32 | 9 56 | 1 41 | 22 2 | 9 23 | 23 21 | 23 23 | 17 52 | 17 17 | 6 9 |
| M28 | 2 51 | 12 47 | 3 20 | 7 7 | 0s 8 | 16 58 | 0 51 | 13 42 | 1 13 | 15 13 | 1 8 | 4 13 | 2 27 | 21 43 | 0 32 | 9 57 | 1 41 | 22 1 | 9 24 | 23 21 | 23 23 | 17 54 | 17 17 | 6 9 |
| T 29 | 3 14 | 16 45 | 2 29 | 7 9 | 0 21 | 17 22 | 0 54 | 13 27 | 1 13 | 15 14 | 1 8 | 4 15 | 2 27 | 21 43 | 0 32 | 9 58 | 1 41 | 22 1 | 9 24 | 23 20 | 23 23 | 17 56 | 17 17 | 6 8 |
| W30 | 3 38 | 20 2 | 1 32 | 7 9 | 0 33 | 17 46 | 0 58 | 13 11 | 1 14 | 15 15 | 1 8 | 4 17 | 2 27 | 21 43 | 0 32 | 9 58 | 1 41 | 22 1 | 9 24 | 23 20 | 23 23 | 17 58 | 17 18 | 6 8 |
| T 31 | 4n 1 | 22n29 | 0s30 | 7s 7 | 0s45 | 18n 9 | 1n 1 | 12s55 | 1s14 | 15n16 | 1n 8 | 4n19 | 2n27 | 21n43 | 0n32 | 9n59 | 1s41 | 22s 1 | 9s24 | 23n20 | 23n22 | 18n 0 | 17n18 | 6s 7 |

Julian Day Number = 2465848.5, Delta T = 71.58 sec
Ecliptic obliquity = 23°26'04, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°17'15, Lahiri = 24°24'15

# ASTRODIENST EPHEMERIS for the year 2039
# geocentric

## APRIL 2039 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 36 52 | 11♈ 7'34 | 1♋ 4 | 14♓17 | 19♉ 6 | 29♒55 | 21°R52 | 24°R44 | 24°R41 | 0♉17 | 25♒ 3 | 24°D58 | 25♊58 | 0♊21 | 28♊40 | F 1 |
| S 2 | 12 40 49 | 12° 6'48 | 13° 5 | 14°58 | 20°16 | 0♓42 | 21♌49 | 24♍40 | 24°D41 | 0°19 | 25° 5 | 24°R58 | 25°55 | 0°28 | 28°43 | S 2 |
| S 3 | 12 44 46 | 13° 6'00 | 25°20 | 15°44 | 21°27 | 1°28 | 21°46 | 24°35 | 24♋41 | 0°22 | 25° 6 | 24♊57 | 25°52 | 0°34 | 28°45 | S 3 |
| M 4 | 12 48 42 | 14° 5'10 | 7♌56 | 16°33 | 22°37 | 2°14 | 21°43 | 24°31 | 24°41 | 0°24 | 25° 7 | 24°55 | 25°49 | 0°41 | 28°48 | M 4 |
| T 5 | 12 52 39 | 15° 4'17 | 20°56 | 17°25 | 23°48 | 3° 1 | 21°41 | 24°27 | 24°41 | 0°26 | 25° 8 | 24°50 | 25°46 | 0°48 | 28°50 | T 5 |
| W 6 | 12 56 35 | 16° 3'21 | 4♍24 | 18°20 | 24°58 | 3°47 | 21°39 | 24°23 | 24°41 | 0°28 | 25°10 | 24°43 | 25°43 | 0°54 | 28°53 | W 6 |
| T 7 | 13 0 32 | 17° 2'24 | 18°19 | 19°18 | 26° 8 | 4°33 | 21°36 | 24°18 | 24°41 | 0°30 | 25°11 | 24°33 | 25°39 | 1° 1 | 28°55 | T 7 |
| F 8 | 13 4 28 | 18° 1'24 | 2♎40 | 20°19 | 27°18 | 5°20 | 21°35 | 24°14 | 24°42 | 0°33 | 25°12 | 24°23 | 25°36 | 1° 8 | 28°58 | F 8 |
| S 9 | 13 8 25 | 19° 0'22 | 17°21 | 21°23 | 28°28 | 6° 6 | 21°33 | 24°10 | 24°42 | 0°35 | 25°13 | 24°13 | 25°33 | 1°14 | 29° 1 | S 9 |
| S 10 | 13 12 21 | 19°59'19 | 2♏14 | 22°29 | 29°38 | 6°52 | 21°31 | 24° 6 | 24°42 | 0°37 | 25°14 | 24° 4 | 25°30 | 1°21 | 29° 4 | S 10 |
| M11 | 13 16 18 | 20°58'13 | 17°12 | 23°37 | 0♊47 | 7°39 | 21°30 | 24° 2 | 24°43 | 0°39 | 25°15 | 23°57 | 25°27 | 1°28 | 29° 7 | M11 |
| T 12 | 13 20 14 | 21°57'05 | 2♐ 4 | 24°48 | 1°57 | 8°25 | 21°29 | 23°58 | 24°43 | 0°41 | 25°17 | 23°53 | 25°23 | 1°34 | 29°10 | T 12 |
| W13 | 13 24 11 | 22°55'56 | 16°45 | 26° 1 | 3° 6 | 9°11 | 21°28 | 23°54 | 24°44 | 0°44 | 25°18 | 23°51 | 25°20 | 1°41 | 29°13 | W13 |
| T 14 | 13 28 8 | 23°54'45 | 1♑ 8 | 27°16 | 4°15 | 9°58 | 21°27 | 23°51 | 24°45 | 0°46 | 25°19 | 23°D51 | 25°17 | 1°48 | 29°16 | T 14 |
| F 15 | 13 32 4 | 24°53'33 | 15°13 | 28°34 | 5°24 | 10°44 | 21°27 | 23°47 | 24°45 | 0°48 | 25°20 | 23°52 | 25°14 | 1°54 | 29°19 | F 15 |
| S 16 | 13 36 1 | 25°52'18 | 28°59 | 29°53 | 6°33 | 11°30 | 21°26 | 23°43 | 24°46 | 0°50 | 25°21 | 23°R52 | 25°11 | 2° 1 | 29°23 | S 16 |
| S 17 | 13 39 57 | 26°51'02 | 12♒26 | 1♈15 | 7°42 | 12°16 | 21°26 | 23°40 | 24°47 | 0°53 | 25°22 | 23°51 | 25° 8 | 2° 8 | 29°26 | S 17 |
| M18 | 13 43 54 | 27°49'45 | 25°36 | 2°38 | 8°51 | 13° 3 | 21°D26 | 23°36 | 24°48 | 0°55 | 25°23 | 23°48 | 25° 4 | 2°14 | 29°29 | M18 |
| T 19 | 13 47 50 | 28°48'25 | 8♓32 | 4° 3 | 9°59 | 13°49 | 21°26 | 23°33 | 24°48 | 0°57 | 25°24 | 23°42 | 25° 1 | 2°21 | 29°33 | T 19 |
| W20 | 13 51 47 | 29°47'04 | 21°15 | 5°30 | 11° 8 | 14°35 | 21°26 | 23°29 | 24°49 | 1° 0 | 25°25 | 23°34 | 24°58 | 2°28 | 29°36 | W20 |
| T 21 | 13 55 43 | 0♉45'41 | 3♈46 | 6°59 | 12°16 | 15°22 | 21°27 | 23°26 | 24°50 | 1° 2 | 25°25 | 23°25 | 24°55 | 2°34 | 29°40 | T 21 |
| F 22 | 13 59 40 | 1°44'16 | 16° 6 | 8°30 | 13°24 | 16° 8 | 21°28 | 23°23 | 24°51 | 1° 4 | 25°26 | 23°15 | 24°52 | 2°41 | 29°44 | F 22 |
| S 23 | 14 3 37 | 2°42'49 | 28°17 | 10° 2 | 14°32 | 16°54 | 21°29 | 23°20 | 24°52 | 1° 6 | 25°27 | 23° 6 | 24°49 | 2°48 | 29°47 | S 23 |
| S 24 | 14 7 33 | 3°41'21 | 10♉19 | 11°36 | 15°40 | 17°40 | 21°30 | 23°17 | 24°54 | 1° 9 | 25°28 | 22°57 | 24°45 | 2°54 | 29°51 | S 24 |
| M25 | 14 11 30 | 4°39'50 | 22°14 | 13°12 | 16°47 | 18°26 | 21°31 | 23°14 | 24°55 | 1°11 | 25°29 | 22°51 | 24°42 | 3° 1 | 29°55 | M25 |
| T 26 | 14 15 26 | 5°38'18 | 4♊ 3 | 14°50 | 17°55 | 19°13 | 21°32 | 23°11 | 24°56 | 1°13 | 25°30 | 22°47 | 24°39 | 3° 7 | 29°59 | T 26 |
| W27 | 14 19 23 | 6°36'44 | 15°50 | 16°30 | 19° 2 | 19°59 | 21°34 | 23° 8 | 24°57 | 1°15 | 25°30 | 22°45 | 24°36 | 3°14 | 0♋ 3 | W27 |
| T 28 | 14 23 19 | 7°35'07 | 27°37 | 18°11 | 20° 9 | 20°45 | 21°36 | 23° 5 | 24°59 | 1°18 | 25°31 | 22°D45 | 24°33 | 3°21 | 0° 7 | T 28 |
| F 29 | 14 27 16 | 8°33'29 | 9♋29 | 19°54 | 21°16 | 21°31 | 21°38 | 23° 3 | 25° 0 | 1°20 | 25°32 | 22°46 | 24°29 | 3°27 | 0°11 | F 29 |
| S 30 | 14 31 12 | 9♉31'49 | 21♋29 | 21♈38 | 22♊23 | 22♓17 | 21♌40 | 23♍ 0 | 25♋ 2 | 1♉22 | 25♒33 | 22♊47 | 24♊26 | 3♊34 | 0♋15 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4n24 | 23n58 | 0n32 | 7s 3 | 0s56 | 18n32 | 1n 5 | 12s39 | 1s14 | 15n17 | 1n 8 | 4n20 | 2n27 | 21n43 | 0n32 | 10n 0 | 1s41 | 22s 0 | 9s24 | 23n20 | 23n22 | 18n 2 | 17n19 | 6s 7 |
| S 2 | 4 47 | 24 22 | 1 35 | 6 56 | 1 7 | 18 54 | 1 8 | 12 23 | 1 15 | 15 18 | 1 8 | 4 22 | 2 27 | 21 43 | 0 32 | 10 1 | 1 41 | 22 0 | 9 25 | 23 20 | 23 22 | 18 5 | 17 19 | 6 6 |
| S 3 | 5 10 | 23 35 | 2 34 | 6 48 | 1 17 | 19 16 | 1 12 | 12 7 | 1 15 | 15 19 | 1 8 | 4 24 | 2 27 | 21 43 | 0 32 | 10 1 | 1 41 | 22 0 | 9 25 | 23 20 | 23 22 | 18 7 | 17 20 | 6 6 |
| M 4 | 5 33 | 21 37 | 3 28 | 6 38 | 1 26 | 19 38 | 1 15 | 11 51 | 1 16 | 15 20 | 1 8 | 4 26 | 2 27 | 21 43 | 0 32 | 10 2 | 1 41 | 22 0 | 9 25 | 23 20 | 23 22 | 18 9 | 17 20 | 6 6 |
| T 5 | 5 56 | 18 30 | 4 12 | 6 26 | 1 35 | 19 59 | 1 18 | 11 35 | 1 16 | 15 21 | 1 8 | 4 27 | 2 27 | 21 43 | 0 32 | 10 3 | 1 41 | 22 0 | 9 25 | 23 20 | 23 22 | 18 11 | 17 21 | 6 5 |
| W 6 | 6 19 | 14 18 | 4 44 | 6 12 | 1 43 | 20 20 | 1 22 | 11 18 | 1 16 | 15 21 | 1 8 | 4 29 | 2 27 | 21 43 | 0 32 | 10 4 | 1 41 | 21 59 | 9 26 | 23 20 | 23 22 | 18 13 | 17 21 | 6 5 |
| T 7 | 6 42 | 9 14 | 5 1 | 5 56 | 1 51 | 20 40 | 1 25 | 11 2 | 1 17 | 15 22 | 1 7 | 4 31 | 2 27 | 21 43 | 0 32 | 10 4 | 1 41 | 21 59 | 9 26 | 23 19 | 23 22 | 18 15 | 17 21 | 6 4 |
| F 8 | 7 4 | 3 32 | 5 0 | 5 39 | 1 58 | 20 59 | 1 28 | 10 45 | 1 17 | 15 22 | 1 7 | 4 32 | 2 27 | 21 43 | 0 32 | 10 5 | 1 41 | 21 59 | 9 26 | 23 19 | 23 22 | 18 17 | 17 22 | 6 4 |
| S 9 | 7 27 | 2s31 | 4 39 | 5 20 | 2 5 | 21 18 | 1 32 | 10 28 | 1 17 | 15 23 | 1 7 | 4 34 | 2 27 | 21 43 | 0 32 | 10 6 | 1 41 | 21 59 | 9 26 | 23 18 | 23 22 | 18 20 | 17 22 | 6 4 |
| S 10 | 7 49 | 8 30 | 3 59 | 4 59 | 2 11 | 21 37 | 1 35 | 10 11 | 1 18 | 15 23 | 1 7 | 4 35 | 2 27 | 21 42 | 0 32 | 10 7 | 1 41 | 21 59 | 9 27 | 23 18 | 23 21 | 18 22 | 17 23 | 6 3 |
| M11 | 8 11 | 14 3 | 3 2 | 4 37 | 2 16 | 21 55 | 1 38 | 9 54 | 1 18 | 15 23 | 1 7 | 4 37 | 2 27 | 21 42 | 0 32 | 10 8 | 1 41 | 21 58 | 9 27 | 23 18 | 23 21 | 18 24 | 17 23 | 6 3 |
| T 12 | 8 33 | 18 43 | 1 54 | 4 13 | 2 21 | 22 12 | 1 41 | 9 37 | 1 18 | 15 24 | 1 7 | 4 38 | 2 26 | 21 42 | 0 32 | 10 8 | 1 41 | 21 58 | 9 27 | 23 18 | 23 21 | 18 26 | 17 23 | 6 2 |
| W13 | 8 55 | 22 9 | 0 38 | 3 48 | 2 25 | 22 29 | 1 45 | 9 20 | 1 19 | 15 24 | 1 7 | 4 40 | 2 26 | 21 42 | 0 32 | 10 9 | 1 41 | 21 58 | 9 27 | 23 18 | 23 21 | 18 28 | 17 24 | 6 2 |
| T 14 | 9 17 | 24 5 | 0s39 | 3 22 | 2 29 | 22 45 | 1 48 | 9 3 | 1 19 | 15 24 | 1 7 | 4 41 | 2 26 | 21 42 | 0 32 | 10 10 | 1 41 | 21 58 | 9 28 | 23 18 | 23 21 | 18 30 | 17 24 | 6 2 |
| F 15 | 9 38 | 24 25 | 1 52 | 2 54 | 2 32 | 23 1 | 1 51 | 8 46 | 1 19 | 15 24 | 1 7 | 4 42 | 2 26 | 21 42 | 0 32 | 10 11 | 1 41 | 21 58 | 9 28 | 23 18 | 23 21 | 18 32 | 17 25 | 6 1 |
| S 16 | 10 0 | 23 14 | 2 57 | 2 25 | 2 35 | 23 16 | 1 54 | 8 29 | 1 20 | 15 24 | 1 6 | 4 44 | 2 26 | 21 42 | 0 32 | 10 12 | 1 41 | 21 58 | 9 28 | 23 18 | 23 21 | 18 34 | 17 25 | 6 1 |
| S 17 | 10 21 | 20 45 | 3 50 | 1 54 | 2 37 | 23 31 | 1 57 | 8 11 | 1 20 | 15 24 | 1 6 | 4 45 | 2 26 | 21 42 | 0 32 | 10 12 | 1 41 | 21 58 | 9 28 | 23 17 | 23 21 | 18 36 | 17 25 | 6 1 |
| M18 | 10 42 | 17 13 | 4 30 | 1 23 | 2 39 | 23 44 | 2 0 | 7 54 | 1 20 | 15 24 | 1 6 | 4 46 | 2 26 | 21 41 | 0 32 | 10 13 | 1 41 | 21 58 | 9 29 | 23 17 | 23 21 | 18 39 | 17 26 | 6 0 |
| T 19 | 11 3 | 12 56 | 4 55 | 0 50 | 2 40 | 23 58 | 2 3 | 7 36 | 1 20 | 15 24 | 1 6 | 4 48 | 2 26 | 21 41 | 0 32 | 10 14 | 1 41 | 21 58 | 9 29 | 23 17 | 23 20 | 18 41 | 17 26 | 6 0 |
| W20 | 11 24 | 8 9 | 5 5 | 0 16 | 2 40 | 24 10 | 2 5 | 7 18 | 1 21 | 15 24 | 1 6 | 4 49 | 2 26 | 21 41 | 0 32 | 10 15 | 1 41 | 21 58 | 9 29 | 23 17 | 23 20 | 18 43 | 17 26 | 6 0 |
| T 21 | 11 44 | 3 6 | 5 1 | 0n19 | 2 40 | 24 23 | 2 8 | 7 1 | 1 21 | 15 23 | 1 6 | 4 50 | 2 26 | 21 41 | 0 32 | 10 15 | 1 41 | 21 57 | 9 30 | 23 16 | 23 20 | 18 45 | 17 27 | 5 59 |
| F 22 | 12 5 | 1n59 | 4 42 | 0 56 | 2 39 | 24 34 | 2 11 | 6 43 | 1 21 | 15 23 | 1 6 | 4 51 | 2 25 | 21 41 | 0 32 | 10 16 | 1 41 | 21 57 | 9 30 | 23 16 | 23 20 | 18 47 | 17 27 | 5 59 |
| S 23 | 12 25 | 6 57 | 4 11 | 1 33 | 2 38 | 24 45 | 2 14 | 6 25 | 1 21 | 15 23 | 1 6 | 4 52 | 2 25 | 21 40 | 0 32 | 10 17 | 1 41 | 21 57 | 9 30 | 23 15 | 23 20 | 18 49 | 17 28 | 5 59 |
| S 24 | 12 45 | 11 37 | 3 28 | 2 11 | 2 37 | 24 55 | 2 16 | 6 7 | 1 22 | 15 22 | 1 5 | 4 53 | 2 25 | 21 40 | 0 32 | 10 18 | 1 41 | 21 57 | 9 30 | 23 15 | 23 20 | 18 51 | 17 28 | 5 58 |
| M25 | 13 4 | 15 47 | 2 37 | 2 50 | 2 34 | 25 5 | 2 19 | 5 50 | 1 22 | 15 22 | 1 5 | 4 54 | 2 25 | 21 40 | 0 32 | 10 19 | 1 41 | 21 57 | 9 31 | 23 14 | 23 20 | 18 53 | 17 28 | 5 58 |
| T 26 | 13 24 | 19 20 | 1 39 | 3 31 | 2 32 | 25 14 | 2 21 | 5 32 | 1 22 | 15 21 | 1 5 | 4 55 | 2 25 | 21 40 | 0 32 | 10 19 | 1 41 | 21 57 | 9 31 | 23 14 | 23 20 | 18 55 | 17 29 | 5 58 |
| W27 | 13 43 | 22 4 | 0 37 | 4 12 | 2 29 | 25 22 | 2 23 | 5 14 | 1 22 | 15 20 | 1 5 | 4 56 | 2 25 | 21 39 | 0 32 | 10 20 | 1 41 | 21 57 | 9 31 | 23 14 | 23 19 | 18 57 | 17 29 | 5 57 |
| T 28 | 14 2 | 23 51 | 0n26 | 4 54 | 2 25 | 25 30 | 2 26 | 4 56 | 1 22 | 15 20 | 1 5 | 4 57 | 2 25 | 21 39 | 0 32 | 10 21 | 1 41 | 21 57 | 9 32 | 23 14 | 23 19 | 18 59 | 17 29 | 5 57 |
| F 29 | 14 21 | 24 35 | 1 30 | 5 37 | 2 21 | 25 36 | 2 28 | 4 38 | 1 23 | 15 19 | 1 5 | 4 58 | 2 24 | 21 39 | 0 32 | 10 22 | 1 41 | 21 57 | 9 32 | 23 14 | 23 19 | 19 1 | 17 29 | 5 57 |
| S 30 | 14n40 | 24n11 | 2n30 | 6n20 | 2s16 | 25n43 | 2n30 | 4s20 | 1s23 | 15n18 | 1n 5 | 4n59 | 2n24 | 21n39 | 0n32 | 10n22 | 1s41 | 21s57 | 9s32 | 23n14 | 23n19 | 19n 3 | 17n30 | 5s56 |

Julian Day Number = 2465879.5, Delta T = 71.60 sec
Ecliptic obliquity = 23°26'04, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°17'19, Lahiri = 24°24'19

# ASTRODIENST EPHEMERIS for the year 2039
# geocentric

## MAY 2039

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 35 9 | 10♉30'06 | 3♌44 | 23♈25 | 23♊29 | 23♓ 3 | 21♌42 | 22°R58 | 25♋ 3 | 1♉24 | 25♒33 | 22♊48 | 24♊23 | 3♊41 | 0♋19 | S 1 |
| M 2 | 14 39 6 | 11°28'22 | 16°17 | 25°13 | 24°36 | 23°49 | 21°45 | 22♍55 | 25° 5 | 1°27 | 25°34 | 22°R48 | 24°20 | 3°47 | 0°24 | M 2 |
| T 3 | 14 43 2 | 12°26'35 | 29°13 | 27° 3 | 25°42 | 24°35 | 21°48 | 22°53 | 25° 6 | 1°29 | 25°35 | 22°47 | 24°17 | 3°54 | 0°28 | T 3 |
| W 4 | 14 46 59 | 13°24'47 | 12♍37 | 28°55 | 26°48 | 25°21 | 21°51 | 22°51 | 25° 8 | 1°31 | 25°35 | 22°44 | 24°14 | 4° 1 | 0°32 | W 4 |
| T 5 | 14 50 55 | 14°22'56 | 26°29 | 0♉48 | 27°53 | 26° 7 | 21°54 | 22°49 | 25° 9 | 1°33 | 25°36 | 22°40 | 24°10 | 4° 7 | 0°37 | T 5 |
| F 6 | 14 54 52 | 15°21'04 | 10♎49 | 2°44 | 28°59 | 26°53 | 21°57 | 22°47 | 25°11 | 1°36 | 25°36 | 22°34 | 24° 7 | 4°14 | 0°41 | F 6 |
| S 7 | 14 58 48 | 16°19'09 | 25°33 | 4°41 | 0♋ 4 | 27°39 | 22° 0 | 22°45 | 25°13 | 1°38 | 25°37 | 22°29 | 24° 4 | 4°21 | 0°46 | S 7 |
| S 8 | 15 2 45 | 17°17'13 | 10♏35 | 6°40 | 1° 9 | 28°25 | 22° 4 | 22°43 | 25°15 | 1°40 | 25°37 | 22°24 | 24° 1 | 4°27 | 0°50 | S 8 |
| M 9 | 15 6 41 | 18°15'15 | 25°46 | 8°40 | 2°14 | 29°11 | 22° 8 | 22°42 | 25°17 | 1°42 | 25°38 | 22°20 | 23°58 | 4°34 | 0°55 | M 9 |
| T 10 | 15 10 38 | 19°13'16 | 10♐55 | 10°42 | 3°19 | 29°57 | 22°12 | 22°40 | 25°19 | 1°44 | 25°38 | 22°18 | 23°55 | 4°41 | 0°59 | T 10 |
| W11 | 15 14 35 | 20°11'15 | 25°54 | 12°46 | 4°23 | 0♈43 | 22°16 | 22°38 | 25°21 | 1°46 | 25°39 | 22°D18 | 23°51 | 4°47 | 1° 4 | W11 |
| T 12 | 15 18 31 | 21° 9'13 | 10♑36 | 14°51 | 5°27 | 1°29 | 22°20 | 22°37 | 25°23 | 1°49 | 25°39 | 22°19 | 23°48 | 4°54 | 1° 9 | T 12 |
| F 13 | 15 22 28 | 22° 7'09 | 24°55 | 16°58 | 6°31 | 2°15 | 22°24 | 22°36 | 25°25 | 1°51 | 25°39 | 22°20 | 23°45 | 5° 1 | 1°14 | F 13 |
| S 14 | 15 26 24 | 23° 5'05 | 8♒50 | 19° 6 | 7°35 | 3° 0 | 22°29 | 22°35 | 25°27 | 1°53 | 25°40 | 22°22 | 23°42 | 5° 7 | 1°18 | S 14 |
| S 15 | 15 30 21 | 24° 2'59 | 22°22 | 21°15 | 8°38 | 3°46 | 22°34 | 22°34 | 25°29 | 1°55 | 25°40 | 22°R22 | 23°39 | 5°14 | 1°23 | S 15 |
| M16 | 15 34 17 | 25° 0'51 | 5♓31 | 23°25 | 9°41 | 4°32 | 22°38 | 22°33 | 25°31 | 1°57 | 25°40 | 22°22 | 23°35 | 5°21 | 1°28 | M16 |
| T 17 | 15 38 14 | 25°58'43 | 18°20 | 25°36 | 10°44 | 5°18 | 22°44 | 22°32 | 25°33 | 1°59 | 25°41 | 22°20 | 23°32 | 5°27 | 1°33 | T 17 |
| W18 | 15 42 10 | 26°56'33 | 0♈53 | 27°47 | 11°46 | 6° 3 | 22°49 | 22°31 | 25°35 | 2° 1 | 25°41 | 22°18 | 23°29 | 5°34 | 1°38 | W18 |
| T 19 | 15 46 7 | 27°54'22 | 13°11 | 29°58 | 12°48 | 6°49 | 22°54 | 22°30 | 25°38 | 2° 4 | 25°41 | 22°14 | 23°26 | 5°41 | 1°43 | T 19 |
| F 20 | 15 50 4 | 28°52'10 | 25°19 | 2♊ 9 | 13°50 | 7°35 | 23° 0 | 22°30 | 25°40 | 2° 6 | 25°41 | 22°10 | 23°23 | 5°47 | 1°48 | F 20 |
| S 21 | 15 54 0 | 29°49'56 | 7♉19 | 4°20 | 14°52 | 8°20 | 23° 5 | 22°29 | 25°43 | 2° 8 | 25°41 | 22° 6 | 23°20 | 5°54 | 1°53 | S 21 |
| S 22 | 15 57 57 | 0♊47'42 | 19°12 | 6°31 | 15°53 | 9° 6 | 23°11 | 22°29 | 25°45 | 2°10 | 25°41 | 22° 3 | 23°16 | 6° 0 | 1°58 | S 22 |
| M23 | 16 1 53 | 1°45'26 | 1♊ 1 | 8°40 | 16°54 | 9°51 | 23°17 | 22°28 | 25°47 | 2°12 | 25°42 | 22° 1 | 23°13 | 6° 7 | 2° 4 | M23 |
| T 24 | 16 5 50 | 2°43'08 | 12°48 | 10°49 | 17°54 | 10°36 | 23°23 | 22°28 | 25°50 | 2°14 | 25°42 | 22° 0 | 23°10 | 6°14 | 2° 9 | T 24 |
| W25 | 16 9 46 | 3°40'50 | 24°36 | 12°55 | 18°54 | 11°22 | 23°29 | 22°D28 | 25°52 | 2°16 | 25°42 | 21°D59 | 23° 7 | 6°20 | 2°14 | W25 |
| T 26 | 16 13 43 | 4°38'30 | 6♋26 | 15° 1 | 19°54 | 12° 7 | 23°36 | 22°28 | 25°55 | 2°18 | 25°42 | 22° 0 | 23° 4 | 6°27 | 2°19 | T 26 |
| F 27 | 16 17 39 | 5°36'09 | 18°22 | 17° 4 | 20°54 | 12°53 | 23°42 | 22°28 | 25°58 | 2°20 | 25°R42 | 22° 1 | 23° 1 | 6°34 | 2°24 | F 27 |
| S 28 | 16 21 36 | 6°33'46 | 0♌27 | 19° 6 | 21°53 | 13°38 | 23°49 | 22°29 | 26° 0 | 2°22 | 25°42 | 22° 2 | 22°57 | 6°40 | 2°30 | S 28 |
| S 29 | 16 25 33 | 7°31'22 | 12°45 | 21° 5 | 22°51 | 14°23 | 23°56 | 22°29 | 26° 3 | 2°24 | 25°42 | 22° 4 | 22°54 | 6°47 | 2°35 | S 29 |
| M30 | 16 29 29 | 8°28'57 | 25°19 | 23° 2 | 23°49 | 15° 8 | 24° 2 | 22°29 | 26° 6 | 2°26 | 25°42 | 22° 5 | 22°51 | 6°54 | 2°41 | M30 |
| T 31 | 16 33 26 | 9♊26'30 | 8♍13 | 24♊56 | 24♋47 | 15♈53 | 24♌ 9 | 22♍30 | 26♋ 8 | 2♉27 | 25♒42 | 22°R 5 | 22♊48 | 7♊ 0 | 2♋46 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n58 | 22n37 | 3n24 | 7n 4 | 2s10 | 25n49 | 2n32 | 4s 2 | 1s23 | 15n17 | 1n 5 | 5n 0 | 2n24 | 21n38 | 0n32 | 10n23 | 1s41 | 21s57 | 9s32 | 23n14 | 23n19 | 19n 6 | 17n30 | 5s56 |
| M 2 | 15 16 | 19 56 | 4 10 | 7 49 | 2 5 | 25 54 | 2 34 | 3 44 | 1 23 | 15 16 | 1 4 | 5 1 | 2 24 | 21 38 | 0 32 | 10 24 | 1 41 | 21 58 | 9 33 | 23 14 | 23 19 | 19 8 | 17 30 | 5 56 |
| T 3 | 15 34 | 16 12 | 4 45 | 8 35 | 1 58 | 25 58 | 2 36 | 3 25 | 1 23 | 15 15 | 1 4 | 5 2 | 2 24 | 21 38 | 0 32 | 10 25 | 1 41 | 21 58 | 9 33 | 23 14 | 23 19 | 19 10 | 17 31 | 5 55 |
| W 4 | 15 52 | 11 32 | 5 6 | 9 21 | 1 52 | 26 2 | 2 38 | 3 7 | 1 24 | 15 14 | 1 4 | 5 2 | 2 24 | 21 37 | 0 32 | 10 26 | 1 41 | 21 58 | 9 33 | 23 14 | 23 19 | 19 12 | 17 31 | 5 55 |
| T 5 | 16 9 | 6 9 | 5 10 | 10 7 | 1 44 | 26 5 | 2 40 | 2 49 | 1 24 | 15 13 | 1 4 | 5 3 | 2 24 | 21 37 | 0 32 | 10 26 | 1 41 | 21 58 | 9 34 | 23 14 | 23 18 | 19 14 | 17 31 | 5 55 |
| F 6 | 16 26 | 0 15 | 4 56 | 10 54 | 1 37 | 26 7 | 2 41 | 2 31 | 1 24 | 15 12 | 1 4 | 5 4 | 2 23 | 21 37 | 0 32 | 10 27 | 1 41 | 21 58 | 9 34 | 23 14 | 23 18 | 19 16 | 17 31 | 5 55 |
| S 7 | 16 43 | 5s49 | 4 21 | 11 41 | 1 29 | 26 9 | 2 43 | 2 13 | 1 24 | 15 11 | 1 4 | 5 4 | 2 23 | 21 36 | 0 32 | 10 28 | 1 41 | 21 58 | 9 34 | 23 13 | 23 18 | 19 18 | 17 32 | 5 54 |
| S 8 | 16 59 | 11 42 | 3 28 | 12 29 | 1 20 | 26 10 | 2 44 | 1 55 | 1 24 | 15 9 | 1 4 | 5 5 | 2 23 | 21 36 | 0 32 | 10 29 | 1 41 | 21 58 | 9 35 | 23 13 | 23 18 | 19 20 | 17 32 | 5 54 |
| M 9 | 17 16 | 16 56 | 2 20 | 13 16 | 1 11 | 26 10 | 2 46 | 1 37 | 1 24 | 15 8 | 1 4 | 5 5 | 2 23 | 21 36 | 0 32 | 10 29 | 1 41 | 21 58 | 9 35 | 23 13 | 23 18 | 19 22 | 17 32 | 5 54 |
| T 10 | 17 32 | 21 3 | 1 2 | 14 3 | 1 2 | 26 10 | 2 47 | 1 18 | 1 24 | 15 7 | 1 3 | 5 6 | 2 23 | 21 35 | 0 32 | 10 30 | 1 41 | 21 58 | 9 35 | 23 13 | 23 18 | 19 24 | 17 32 | 5 54 |
| W11 | 17 47 | 23 42 | 0s20 | 14 50 | 0 52 | 26 9 | 2 48 | 1 0 | 1 24 | 15 5 | 1 3 | 5 6 | 2 23 | 21 35 | 0 32 | 10 31 | 1 41 | 21 58 | 9 36 | 23 13 | 23 18 | 19 26 | 17 32 | 5 53 |
| T 12 | 18 3 | 24 39 | 1 39 | 15 37 | 0 42 | 26 8 | 2 49 | 0 42 | 1 24 | 15 4 | 1 3 | 5 6 | 2 22 | 21 35 | 0 32 | 10 31 | 1 41 | 21 59 | 9 36 | 23 13 | 23 17 | 19 28 | 17 33 | 5 53 |
| F 13 | 18 18 | 23 55 | 2 49 | 16 23 | 0 32 | 26 6 | 2 50 | 0 24 | 1 24 | 15 2 | 1 3 | 5 7 | 2 22 | 21 34 | 0 31 | 10 32 | 1 41 | 21 59 | 9 36 | 23 13 | 23 17 | 19 30 | 17 33 | 5 53 |
| S 14 | 18 32 | 21 42 | 3 48 | 17 9 | 0 22 | 26 3 | 2 51 | 0 6 | 1 24 | 15 1 | 1 3 | 5 7 | 2 22 | 21 34 | 0 31 | 10 33 | 1 41 | 21 59 | 9 36 | 23 13 | 23 17 | 19 32 | 17 33 | 5 53 |
| S 15 | 18 47 | 18 20 | 4 32 | 17 53 | 0 11 | 26 0 | 2 51 | 0n12 | 1 25 | 14 59 | 1 3 | 5 7 | 2 22 | 21 33 | 0 31 | 10 34 | 1 41 | 21 59 | 9 37 | 23 13 | 23 17 | 19 34 | 17 33 | 5 52 |
| M16 | 19 1 | 14 9 | 5 1 | 18 37 | 0 1 | 25 56 | 2 52 | 0 30 | 1 25 | 14 57 | 1 3 | 5 8 | 2 22 | 21 33 | 0 31 | 10 34 | 1 41 | 21 59 | 9 37 | 23 13 | 23 17 | 19 36 | 17 33 | 5 52 |
| T 17 | 19 15 | 9 25 | 5 13 | 19 19 | 0n10 | 25 52 | 2 52 | 0 48 | 1 25 | 14 55 | 1 3 | 5 8 | 2 21 | 21 32 | 0 31 | 10 35 | 1 41 | 21 59 | 9 37 | 23 13 | 23 17 | 19 38 | 17 34 | 5 52 |
| W18 | 19 28 | 4 24 | 5 10 | 19 59 | 0 20 | 25 47 | 2 52 | 1 7 | 1 25 | 14 54 | 1 2 | 5 8 | 2 21 | 21 32 | 0 31 | 10 36 | 1 41 | 22 0 | 9 38 | 23 13 | 23 16 | 19 40 | 17 34 | 5 52 |
| T 19 | 19 41 | 0n42 | 4 53 | 20 38 | 0 30 | 25 41 | 2 53 | 1 25 | 1 25 | 14 52 | 1 2 | 5 8 | 2 21 | 21 32 | 0 31 | 10 36 | 1 41 | 22 0 | 9 38 | 23 12 | 23 16 | 19 42 | 17 34 | 5 52 |
| F 20 | 19 54 | 5 42 | 4 23 | 21 15 | 0 41 | 25 35 | 2 53 | 1 43 | 1 25 | 14 50 | 1 2 | 5 8 | 2 21 | 21 31 | 0 31 | 10 37 | 1 41 | 22 0 | 9 38 | 23 12 | 23 16 | 19 44 | 17 34 | 5 51 |
| S 21 | 20 7 | 10 27 | 3 42 | 21 50 | 0 51 | 25 28 | 2 52 | 2 1 | 1 25 | 14 48 | 1 2 | 5 8 | 2 21 | 21 31 | 0 31 | 10 38 | 1 41 | 22 0 | 9 39 | 23 12 | 23 16 | 19 46 | 17 34 | 5 51 |
| S 22 | 20 19 | 14 46 | 2 51 | 22 23 | 1 0 | 25 20 | 2 52 | 2 18 | 1 25 | 14 46 | 1 2 | 5 8 | 2 20 | 21 30 | 0 31 | 10 38 | 1 41 | 22 1 | 9 39 | 23 12 | 23 16 | 19 48 | 17 34 | 5 51 |
| M23 | 20 31 | 18 31 | 1 53 | 22 53 | 1 9 | 25 12 | 2 52 | 2 36 | 1 25 | 14 44 | 1 2 | 5 8 | 2 20 | 21 30 | 0 31 | 10 39 | 1 41 | 22 1 | 9 39 | 23 12 | 23 16 | 19 50 | 17 34 | 5 51 |
| T 24 | 20 42 | 21 30 | 0 51 | 23 21 | 1 18 | 25 4 | 2 51 | 2 54 | 1 25 | 14 42 | 1 2 | 5 8 | 2 20 | 21 29 | 0 31 | 10 40 | 1 41 | 22 1 | 9 40 | 23 12 | 23 15 | 19 52 | 17 34 | 5 51 |
| W25 | 20 53 | 23 34 | 0n14 | 23 46 | 1 26 | 24 55 | 2 51 | 3 12 | 1 24 | 14 40 | 1 2 | 5 8 | 2 20 | 21 29 | 0 31 | 10 40 | 1 41 | 22 1 | 9 40 | 23 12 | 23 15 | 19 54 | 17 34 | 5 51 |
| T 26 | 21 4 | 24 36 | 1 19 | 24 8 | 1 33 | 24 46 | 2 50 | 3 30 | 1 24 | 14 37 | 1 2 | 5 8 | 2 20 | 21 28 | 0 31 | 10 41 | 1 41 | 22 2 | 9 40 | 23 12 | 23 15 | 19 56 | 17 34 | 5 50 |
| F 27 | 21 14 | 24 30 | 2 21 | 24 28 | 1 40 | 24 35 | 2 49 | 3 47 | 1 24 | 14 35 | 1 1 | 5 7 | 2 19 | 21 28 | 0 31 | 10 42 | 1 41 | 22 2 | 9 40 | 23 12 | 23 15 | 19 58 | 17 35 | 5 50 |
| S 28 | 21 24 | 23 16 | 3 17 | 24 45 | 1 46 | 24 25 | 2 48 | 4 5 | 1 24 | 14 33 | 1 1 | 5 7 | 2 19 | 21 27 | 0 31 | 10 42 | 1 41 | 22 2 | 9 41 | 23 12 | 23 15 | 20 0 | 17 35 | 5 50 |
| S 29 | 21 34 | 20 54 | 4 6 | 25 0 | 1 52 | 24 14 | 2 46 | 4 23 | 1 24 | 14 30 | 1 1 | 5 7 | 2 19 | 21 27 | 0 31 | 10 43 | 1 41 | 22 3 | 9 41 | 23 12 | 23 15 | 20 2 | 17 35 | 5 50 |
| M30 | 21 43 | 17 31 | 4 43 | 25 11 | 1 56 | 24 3 | 2 45 | 4 40 | 1 24 | 14 28 | 1 1 | 5 6 | 2 19 | 21 26 | 0 31 | 10 44 | 1 41 | 22 3 | 9 41 | 23 12 | 23 14 | 20 4 | 17 35 | 5 50 |
| T 31 | 21n52 | 13n14 | 5n 8 | 25n21 | 2n 0 | 23n51 | 2n43 | 4n58 | 1s24 | 14n26 | 1n 1 | 5n 6 | 2n19 | 21n26 | 0n31 | 10n44 | 1s41 | 22s 3 | 9s42 | 23n12 | 23n14 | 20n 5 | 17n35 | 5s50 |

Julian Day Number = 2465909.5, Delta T = 71.62 sec
Ecliptic obliquity = 23°26'04, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°17'23, Lahiri = 24°24'23

# ASTRODIENST EPHEMERIS for the year 2039
# geocentric

## JUNE 2039 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 37 22 | 10♊24'02 | 21♍31 | 26♊48 | 25♋45 | 16♈38 | 24♌17 | 22♍31 | 26♋11 | 2♉29 | 25°R41 | 22°R 5 | 22♊45 | 7♊ 7 | 2♋51 | W 1 |
| T 2 | 16 41 19 | 11°21'32 | 5♎15 | 28°37 | 26°41 | 17°23 | 24°24 | 22°31 | 26°14 | 2°31 | 25♒41 | 22♊ 4 | 22°41 | 7°14 | 2°57 | T 2 |
| F 3 | 16 45 15 | 12°19'01 | 19°25 | 0♋24 | 27°38 | 18° 8 | 24°31 | 22°32 | 26°17 | 2°33 | 25°41 | 22° 3 | 22°38 | 7°20 | 3° 2 | F 3 |
| S 4 | 16 49 12 | 13°16'29 | 3♏59 | 2° 8 | 28°34 | 18°53 | 24°39 | 22°33 | 26°20 | 2°35 | 25°41 | 22° 2 | 22°35 | 7°27 | 3° 8 | S 4 |
| S 5 | 16 53 8 | 14°13'55 | 18°54 | 3°49 | 29°29 | 19°38 | 24°47 | 22°34 | 26°23 | 2°37 | 25°41 | 22° 1 | 22°32 | 7°34 | 3°13 | S 5 |
| M 6 | 16 57 5 | 15°11'21 | 4♐ 2 | 5°28 | 0♌24 | 20°23 | 24°54 | 22°35 | 26°26 | 2°38 | 25°40 | 22° 1 | 22°29 | 7°40 | 3°19 | M 6 |
| T 7 | 17 1 2 | 16° 8'45 | 19°14 | 7° 3 | 1°18 | 21° 8 | 25° 2 | 22°37 | 26°29 | 2°40 | 25°40 | 22°D 0 | 22°26 | 7°47 | 3°24 | T 7 |
| W 8 | 17 4 58 | 17° 6'09 | 4♑21 | 8°36 | 2°12 | 21°52 | 25°10 | 22°38 | 26°32 | 2°42 | 25°40 | 22° 0 | 22°22 | 7°54 | 3°30 | W 8 |
| T 9 | 17 8 55 | 18° 3'32 | 19°14 | 10° 6 | 3° 5 | 22°37 | 25°19 | 22°40 | 26°35 | 2°44 | 25°40 | 22° 1 | 22°19 | 8° 0 | 3°36 | T 9 |
| F 10 | 17 12 51 | 19° 0'54 | 3♒45 | 11°33 | 3°57 | 23°22 | 25°27 | 22°41 | 26°38 | 2°45 | 25°39 | 22° 1 | 22°16 | 8° 7 | 3°41 | F 10 |
| S 11 | 17 16 48 | 19°58'16 | 17°52 | 12°57 | 4°49 | 24° 6 | 25°35 | 22°43 | 26°41 | 2°47 | 25°39 | 22° 1 | 22°13 | 8°13 | 3°47 | S 11 |
| S 12 | 17 20 44 | 20°55'37 | 1♓32 | 14°19 | 5°40 | 24°51 | 25°44 | 22°45 | 26°44 | 2°49 | 25°38 | 22° 1 | 22°10 | 8°20 | 3°53 | S 12 |
| M13 | 17 24 41 | 21°52'58 | 14°46 | 15°37 | 6°31 | 25°35 | 25°52 | 22°46 | 26°47 | 2°50 | 25°38 | 22° 1 | 22° 7 | 8°27 | 3°58 | M13 |
| T 14 | 17 28 38 | 22°50'18 | 27°37 | 16°52 | 7°21 | 26°20 | 26° 1 | 22°48 | 26°50 | 2°52 | 25°38 | 22° 1 | 22° 3 | 8°33 | 4° 4 | T 14 |
| W15 | 17 32 34 | 23°47'38 | 10♈ 7 | 18° 4 | 8°10 | 27° 4 | 26°10 | 22°50 | 26°53 | 2°54 | 25°37 | 22° 1 | 22° 0 | 8°40 | 4°10 | W15 |
| T 16 | 17 36 31 | 24°44'57 | 22°20 | 19°13 | 8°58 | 27°48 | 26°19 | 22°53 | 26°57 | 2°55 | 25°37 | 22° 2 | 21°57 | 8°47 | 4°15 | T 16 |
| F 17 | 17 40 27 | 25°42'16 | 4♉22 | 20°19 | 9°46 | 28°33 | 26°28 | 22°55 | 27° 0 | 2°57 | 25°36 | 22° 2 | 21°54 | 8°53 | 4°21 | F 17 |
| S 18 | 17 44 24 | 26°39'34 | 16°15 | 21°22 | 10°32 | 29°17 | 26°37 | 22°57 | 27° 3 | 2°58 | 25°36 | 22° 2 | 21°51 | 9° 0 | 4°27 | S 18 |
| S 19 | 17 48 20 | 27°36'52 | 28° 4 | 22°21 | 11°18 | 0♉ 1 | 26°46 | 23° 0 | 27° 6 | 3° 0 | 25°35 | 22° 3 | 21°47 | 9° 7 | 4°33 | S 19 |
| M20 | 17 52 17 | 28°34'10 | 9♊50 | 23°17 | 12° 3 | 0°45 | 26°56 | 23° 2 | 27°10 | 3° 1 | 25°34 | 22° 3 | 21°44 | 9°13 | 4°38 | M20 |
| T 21 | 17 56 13 | 29°31'28 | 21°39 | 24° 9 | 12°47 | 1°29 | 27° 5 | 23° 5 | 27°13 | 3° 3 | 25°34 | 22°R 4 | 21°41 | 9°20 | 4°44 | T 21 |
| W22 | 18 0 10 | 0♋28'45 | 3♋30 | 24°57 | 13°31 | 2°13 | 27°15 | 23° 7 | 27°17 | 3° 4 | 25°33 | 22° 3 | 21°38 | 9°27 | 4°50 | W22 |
| T 23 | 18 4 7 | 1°26'01 | 15°28 | 25°42 | 14°13 | 2°57 | 27°24 | 23°10 | 27°20 | 3° 5 | 25°33 | 22° 3 | 21°35 | 9°33 | 4°56 | T 23 |
| F 24 | 18 8 3 | 2°23'17 | 27°34 | 26°23 | 14°54 | 3°40 | 27°34 | 23°13 | 27°23 | 3° 7 | 25°32 | 22° 2 | 21°32 | 9°40 | 5° 1 | F 24 |
| S 25 | 18 12 0 | 3°20'33 | 9♌49 | 27° 1 | 15°34 | 4°24 | 27°44 | 23°16 | 27°27 | 3° 8 | 25°31 | 22° 0 | 21°28 | 9°47 | 5° 7 | S 25 |
| S 26 | 18 15 56 | 4°17'48 | 22°17 | 27°34 | 16°14 | 5° 8 | 27°54 | 23°19 | 27°30 | 3° 9 | 25°31 | 21°59 | 21°25 | 9°53 | 5°13 | S 26 |
| M27 | 18 19 53 | 5°15'02 | 4♍59 | 28° 3 | 16°52 | 5°51 | 28° 4 | 23°23 | 27°34 | 3°11 | 25°30 | 21°57 | 21°22 | 10° 0 | 5°19 | M27 |
| T 28 | 18 23 49 | 6°12'16 | 17°57 | 28°27 | 17°28 | 6°35 | 28°14 | 23°26 | 27°37 | 3°12 | 25°29 | 21°56 | 21°19 | 10° 7 | 5°25 | T 28 |
| W29 | 18 27 46 | 7° 9'29 | 1♎15 | 28°47 | 18° 4 | 7°18 | 28°24 | 23°29 | 27°41 | 3°13 | 25°28 | 21°D55 | 21°16 | 10°13 | 5°30 | W29 |
| T 30 | 18 31 42 | 8♋ 6'42 | 14♎52 | 29♋ 3 | 18♌38 | 8♉ 1 | 28♌35 | 23♍33 | 27♋44 | 3♉14 | 25♒27 | 21♊55 | 21♊13 | 10♊20 | 5♋36 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n 0 | 8n13 | 5n17 | 25n27 | 2n 4 | 23n38 | 2n42 | 5n15 | 1s24 | 14n23 | 1n 1 | 5n 5 | 2n18 | 21n25 | 0n31 | 10n45 | 1s41 | 22s 4 | 9s42 | 23n12 | 23n14 | 20n 7 | 17n35 | 5s50 |
| T 2 | 22 8 | 2 39 | 5 9 | 25 32 | 2 6 | 23 25 | 2 40 | 5 32 | 1 24 | 14 21 | 1 1 | 5 5 | 2 18 | 21 25 | 0 31 | 10 45 | 1 41 | 22 4 | 9 42 | 23 12 | 23 14 | 20 9 | 17 35 | 5 50 |
| F 3 | 22 16 | 3s15 | 4 42 | 25 34 | 2 8 | 23 12 | 2 37 | 5 49 | 1 24 | 14 18 | 1 1 | 5 4 | 2 18 | 21 24 | 0 31 | 10 46 | 1 41 | 22 4 | 9 43 | 23 12 | 23 14 | 20 11 | 17 35 | 5 49 |
| S 4 | 22 23 | 9 8 | 3 56 | 25 33 | 2 8 | 22 59 | 2 35 | 6 7 | 1 23 | 14 15 | 1 1 | 5 4 | 2 18 | 21 24 | 0 31 | 10 47 | 1 41 | 22 5 | 9 43 | 23 12 | 23 14 | 20 13 | 17 35 | 5 49 |
| S 5 | 22 30 | 14 39 | 2 54 | 25 31 | 2 9 | 22 45 | 2 33 | 6 24 | 1 23 | 14 13 | 1 1 | 5 3 | 2 18 | 21 23 | 0 31 | 10 47 | 1 42 | 22 5 | 9 43 | 23 12 | 23 13 | 20 15 | 17 35 | 5 49 |
| M 6 | 22 37 | 19 20 | 1 38 | 25 27 | 2 8 | 22 30 | 2 30 | 6 41 | 1 23 | 14 10 | 1 0 | 5 3 | 2 17 | 21 22 | 0 31 | 10 48 | 1 42 | 22 5 | 9 44 | 23 12 | 23 13 | 20 17 | 17 35 | 5 49 |
| T 7 | 22 43 | 22 45 | 0 15 | 25 21 | 2 6 | 22 15 | 2 27 | 6 58 | 1 23 | 14 7 | 1 0 | 5 2 | 2 17 | 21 22 | 0 31 | 10 48 | 1 42 | 22 6 | 9 44 | 23 12 | 23 13 | 20 19 | 17 34 | 5 49 |
| W 8 | 22 49 | 24 30 | 1s 8 | 25 13 | 2 4 | 22 0 | 2 24 | 7 14 | 1 23 | 14 4 | 1 0 | 5 1 | 2 17 | 21 21 | 0 31 | 10 49 | 1 42 | 22 6 | 9 44 | 23 12 | 23 13 | 20 21 | 17 34 | 5 49 |
| T 9 | 22 54 | 24 28 | 2 26 | 25 4 | 2 1 | 21 45 | 2 21 | 7 31 | 1 23 | 14 2 | 1 0 | 5 0 | 2 17 | 21 21 | 0 31 | 10 49 | 1 42 | 22 6 | 9 44 | 23 12 | 23 13 | 20 23 | 17 34 | 5 49 |
| F 10 | 22 59 | 22 44 | 3 32 | 24 53 | 1 57 | 21 29 | 2 17 | 7 48 | 1 22 | 13 59 | 1 0 | 5 0 | 2 17 | 21 20 | 0 31 | 10 50 | 1 42 | 22 7 | 9 45 | 23 12 | 23 13 | 20 25 | 17 34 | 5 49 |
| S 11 | 23 3 | 19 39 | 4 23 | 24 40 | 1 53 | 21 13 | 2 14 | 8 5 | 1 22 | 13 56 | 1 0 | 4 59 | 2 16 | 21 19 | 0 31 | 10 51 | 1 42 | 22 7 | 9 45 | 23 12 | 23 12 | 20 27 | 17 34 | 5 49 |
| S 12 | 23 7 | 15 33 | 4 58 | 24 27 | 1 47 | 20 57 | 2 10 | 8 21 | 1 22 | 13 53 | 1 0 | 4 58 | 2 16 | 21 19 | 0 31 | 10 51 | 1 42 | 22 8 | 9 45 | 23 12 | 23 12 | 20 28 | 17 34 | 5 49 |
| M13 | 23 11 | 10 50 | 5 15 | 24 12 | 1 41 | 20 40 | 2 6 | 8 37 | 1 22 | 13 50 | 1 0 | 4 57 | 2 16 | 21 18 | 0 31 | 10 52 | 1 42 | 22 8 | 9 46 | 23 12 | 23 12 | 20 30 | 17 34 | 5 49 |
| T 14 | 23 14 | 5 47 | 5 16 | 23 56 | 1 35 | 20 24 | 2 2 | 8 54 | 1 21 | 13 47 | 1 0 | 4 56 | 2 16 | 21 18 | 0 31 | 10 52 | 1 42 | 22 8 | 9 46 | 23 12 | 23 12 | 20 32 | 17 34 | 5 49 |
| W15 | 23 17 | 0 38 | 5 2 | 23 39 | 1 27 | 20 6 | 1 57 | 9 10 | 1 21 | 13 44 | 1 0 | 4 55 | 2 16 | 21 17 | 0 31 | 10 53 | 1 42 | 22 9 | 9 46 | 23 12 | 23 12 | 20 34 | 17 34 | 5 49 |
| T 16 | 23 20 | 4n27 | 4 35 | 23 22 | 1 19 | 19 49 | 1 52 | 9 26 | 1 21 | 13 41 | 1 0 | 4 54 | 2 15 | 21 16 | 0 31 | 10 53 | 1 42 | 22 9 | 9 46 | 23 12 | 23 11 | 20 36 | 17 33 | 5 49 |
| F 17 | 23 22 | 9 17 | 3 55 | 23 4 | 1 10 | 19 32 | 1 48 | 9 42 | 1 21 | 13 37 | 0 59 | 4 53 | 2 15 | 21 16 | 0 31 | 10 54 | 1 42 | 22 10 | 9 47 | 23 12 | 23 11 | 20 38 | 17 33 | 5 49 |
| S 18 | 23 24 | 13 43 | 3 6 | 22 45 | 1 1 | 19 14 | 1 42 | 9 58 | 1 20 | 13 34 | 0 59 | 4 52 | 2 15 | 21 15 | 0 31 | 10 54 | 1 42 | 22 10 | 9 47 | 23 12 | 23 11 | 20 40 | 17 33 | 5 49 |
| S 19 | 23 25 | 17 37 | 2 9 | 22 25 | 0 51 | 18 56 | 1 37 | 10 14 | 1 20 | 13 31 | 0 59 | 4 51 | 2 15 | 21 14 | 0 31 | 10 54 | 1 42 | 22 11 | 9 47 | 23 12 | 23 11 | 20 42 | 17 33 | 5 49 |
| M20 | 23 26 | 20 49 | 1 7 | 22 5 | 0 40 | 18 38 | 1 31 | 10 29 | 1 20 | 13 28 | 0 59 | 4 50 | 2 15 | 21 14 | 0 31 | 10 55 | 1 42 | 22 11 | 9 48 | 23 12 | 23 11 | 20 43 | 17 33 | 5 49 |
| T 21 | 23 26 | 23 8 | 0 2 | 21 45 | 0 29 | 18 20 | 1 26 | 10 45 | 1 19 | 13 24 | 0 59 | 4 48 | 2 14 | 21 13 | 0 31 | 10 55 | 1 42 | 22 12 | 9 48 | 23 12 | 23 10 | 20 45 | 17 33 | 5 49 |
| W22 | 23 26 | 24 26 | 1n 3 | 21 25 | 0 17 | 18 2 | 1 19 | 11 0 | 1 19 | 13 21 | 0 59 | 4 47 | 2 14 | 21 12 | 0 31 | 10 56 | 1 42 | 22 12 | 9 48 | 23 12 | 23 10 | 20 47 | 17 32 | 5 49 |
| T 23 | 23 26 | 24 38 | 2 6 | 21 4 | 0 5 | 17 44 | 1 13 | 11 15 | 1 19 | 13 18 | 0 59 | 4 46 | 2 14 | 21 12 | 0 31 | 10 56 | 1 42 | 22 13 | 9 48 | 23 12 | 23 10 | 20 49 | 17 32 | 5 49 |
| F 24 | 23 25 | 23 39 | 3 4 | 20 44 | 0s 8 | 17 25 | 1 7 | 11 31 | 1 18 | 13 14 | 0 59 | 4 44 | 2 14 | 21 11 | 0 31 | 10 57 | 1 42 | 22 13 | 9 49 | 23 12 | 23 10 | 20 51 | 17 32 | 5 49 |
| S 25 | 23 24 | 21 33 | 3 55 | 20 24 | 0 22 | 17 7 | 1 0 | 11 46 | 1 18 | 13 11 | 0 59 | 4 43 | 2 14 | 21 10 | 0 31 | 10 57 | 1 42 | 22 14 | 9 49 | 23 12 | 23 10 | 20 53 | 17 32 | 5 49 |
| S 26 | 23 22 | 18 25 | 4 35 | 20 3 | 0 36 | 16 48 | 0 53 | 12 1 | 1 18 | 13 7 | 0 59 | 4 42 | 2 14 | 21 10 | 0 31 | 10 57 | 1 42 | 22 14 | 9 49 | 23 11 | 23 9 | 20 54 | 17 31 | 5 49 |
| M27 | 23 20 | 14 22 | 5 3 | 19 44 | 0 50 | 16 30 | 0 45 | 12 15 | 1 17 | 13 4 | 0 59 | 4 40 | 2 13 | 21 9 | 0 31 | 10 58 | 1 43 | 22 15 | 9 49 | 23 11 | 23 9 | 20 56 | 17 31 | 5 49 |
| T 28 | 23 17 | 9 36 | 5 16 | 19 24 | 1 5 | 16 11 | 0 38 | 12 30 | 1 17 | 13 0 | 0 59 | 4 39 | 2 13 | 21 8 | 0 31 | 10 58 | 1 43 | 22 15 | 9 50 | 23 11 | 23 9 | 20 58 | 17 31 | 5 49 |
| W29 | 23 14 | 4 17 | 5 12 | 19 5 | 1 20 | 15 53 | 0 30 | 12 45 | 1 16 | 12 56 | 0 59 | 4 37 | 2 13 | 21 8 | 0 31 | 10 59 | 1 43 | 22 16 | 9 50 | 23 11 | 23 9 | 21 0 | 17 30 | 5 49 |
| T 30 | 23n11 | 1s22 | 4n52 | 18n47 | 1s36 | 15n35 | 0n21 | 12n59 | 1s16 | 12n53 | 0n58 | 4n36 | 2n13 | 21n 7 | 0n31 | 10n59 | 1s43 | 22s16 | 9s50 | 23n11 | 23n 9 | 21n 2 | 17n30 | 5s49 |

Julian Day Number = 2465940.5, Delta T = 71.65 sec
Ecliptic obliquity = 23°26'04, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°17'27, Lahiri = 24°24'28

# ASTRODIENST EPHEMERIS for the year 2039
# geocentric

## JULY 2039

00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 35 39 | 9♋ 3'55 | 28♎51 | 29♋14 | 19♌11 | 8♉45 | 28♌45 | 23♍36 | 27♋48 | 3♉16 | 25°R27 | 21♊56 | 21♊ 9 | 10♊26 | 5♋42 | F 1 |
| S 2 | 18 39 36 | 10° 1'07 | 13♏10 | 29°21 | 19°43 | 9°28 | 28°55 | 23°40 | 27°51 | 3°17 | 25♒26 | 21°57 | 21° 6 | 10°33 | 5°48 | S 2 |
| S 3 | 18 43 32 | 10°58'18 | 27°48 | 29°R23 | 20°13 | 10°11 | 29° 6 | 23°43 | 27°55 | 3°18 | 25°25 | 21°58 | 21° 3 | 10°40 | 5°54 | S 3 |
| M 4 | 18 47 29 | 11°55'30 | 12♐39 | 29°20 | 20°42 | 10°54 | 29°17 | 23°47 | 27°58 | 3°19 | 25°24 | 21°59 | 21° 0 | 10°46 | 5°59 | M 4 |
| T 5 | 18 51 25 | 12°52'41 | 27°39 | 29°13 | 21° 9 | 11°37 | 29°27 | 23°51 | 28° 2 | 3°20 | 25°23 | 21°R59 | 20°57 | 10°53 | 6° 5 | T 5 |
| W 6 | 18 55 22 | 13°49'52 | 12♑38 | 29° 1 | 21°34 | 12°20 | 29°38 | 23°55 | 28° 5 | 3°21 | 25°22 | 21°58 | 20°53 | 11° 0 | 6°11 | W 6 |
| T 7 | 18 59 18 | 14°47'03 | 27°29 | 28°44 | 21°58 | 13° 2 | 29°49 | 23°59 | 28° 9 | 3°22 | 25°21 | 21°56 | 20°50 | 11° 6 | 6°17 | T 7 |
| F 8 | 19 3 15 | 15°44'14 | 12♒ 3 | 28°24 | 22°20 | 13°45 | 29°59 | 24° 3 | 28°13 | 3°23 | 25°20 | 21°53 | 20°47 | 11°13 | 6°23 | F 8 |
| S 9 | 19 7 11 | 16°41'25 | 26°15 | 28° 0 | 22°40 | 14°28 | 0♍11 | 24° 7 | 28°16 | 3°24 | 25°20 | 21°50 | 20°44 | 11°20 | 6°28 | S 9 |
| S 10 | 19 11 8 | 17°38'37 | 10♓ 1 | 27°31 | 22°59 | 15°10 | 0°22 | 24°12 | 28°20 | 3°25 | 25°19 | 21°47 | 20°41 | 11°26 | 6°34 | S 10 |
| M11 | 19 15 5 | 18°35'49 | 23°21 | 27° 0 | 23°16 | 15°53 | 0°33 | 24°16 | 28°23 | 3°26 | 25°18 | 21°44 | 20°38 | 11°33 | 6°40 | M11 |
| T 12 | 19 19 1 | 19°33'01 | 6♈15 | 26°26 | 23°30 | 16°35 | 0°44 | 24°20 | 28°27 | 3°27 | 25°17 | 21°42 | 20°34 | 11°40 | 6°46 | T 12 |
| W13 | 19 22 58 | 20°30'14 | 18°47 | 25°50 | 23°43 | 17°17 | 0°55 | 24°25 | 28°31 | 3°27 | 25°16 | 21°D41 | 20°31 | 11°46 | 6°51 | W13 |
| T 14 | 19 26 54 | 21°27'27 | 1♉ 0 | 25°12 | 23°54 | 17°59 | 1° 7 | 24°30 | 28°34 | 3°28 | 25°14 | 21°41 | 20°28 | 11°53 | 6°57 | T 14 |
| F 15 | 19 30 51 | 22°24'41 | 13° 0 | 24°33 | 24° 2 | 18°42 | 1°18 | 24°34 | 28°38 | 3°29 | 25°13 | 21°43 | 20°25 | 12° 0 | 7° 3 | F 15 |
| S 16 | 19 34 47 | 23°21'55 | 24°51 | 23°53 | 24° 9 | 19°24 | 1°30 | 24°39 | 28°42 | 3°30 | 25°12 | 21°44 | 20°22 | 12° 6 | 7° 8 | S 16 |
| S 17 | 19 38 44 | 24°19'10 | 6♊39 | 23°14 | 24°13 | 20° 6 | 1°41 | 24°44 | 28°45 | 3°30 | 25°11 | 21°46 | 20°19 | 12°13 | 7°14 | S 17 |
| M18 | 19 42 40 | 25°16'26 | 18°26 | 22°35 | 24°R15 | 20°47 | 1°53 | 24°49 | 28°49 | 3°31 | 25°10 | 21°R47 | 20°15 | 12°19 | 7°20 | M18 |
| T 19 | 19 46 37 | 26°13'42 | 0♋18 | 21°59 | 24°15 | 21°29 | 2° 4 | 24°54 | 28°53 | 3°32 | 25° 9 | 21°47 | 20°12 | 12°26 | 7°25 | T 19 |
| W20 | 19 50 34 | 27°10'59 | 12°17 | 21°24 | 24°12 | 22°11 | 2°16 | 24°59 | 28°56 | 3°32 | 25° 8 | 21°45 | 20° 9 | 12°33 | 7°31 | W20 |
| T 21 | 19 54 30 | 28° 8'16 | 24°25 | 20°53 | 24° 7 | 22°52 | 2°28 | 25° 4 | 29° 0 | 3°33 | 25° 7 | 21°41 | 20° 6 | 12°39 | 7°37 | T 21 |
| F 22 | 19 58 27 | 29° 5'33 | 6♌44 | 20°25 | 24° 0 | 23°34 | 2°40 | 25° 9 | 29° 4 | 3°33 | 25° 6 | 21°36 | 20° 3 | 12°46 | 7°42 | F 22 |
| S 23 | 20 2 23 | 0♌ 2'52 | 19°16 | 20° 1 | 23°50 | 24°15 | 2°51 | 25°14 | 29° 7 | 3°34 | 25° 4 | 21°30 | 19°59 | 12°53 | 7°48 | S 23 |
| S 24 | 20 6 20 | 1° 0'10 | 2♍ 1 | 19°42 | 23°38 | 24°56 | 3° 3 | 25°19 | 29°11 | 3°34 | 25° 3 | 21°23 | 19°56 | 12°59 | 7°53 | S 24 |
| M25 | 20 10 16 | 1°57'29 | 14°59 | 19°27 | 23°23 | 25°37 | 3°15 | 25°25 | 29°15 | 3°35 | 25° 2 | 21°17 | 19°53 | 13° 6 | 7°59 | M25 |
| T 26 | 20 14 13 | 2°54'48 | 28°11 | 19°18 | 23° 6 | 26°18 | 3°27 | 25°30 | 29°18 | 3°35 | 25° 1 | 21°11 | 19°50 | 13°13 | 8° 4 | T 26 |
| W27 | 20 18 9 | 3°52'08 | 11♎36 | 19°D14 | 22°47 | 26°59 | 3°39 | 25°36 | 29°22 | 3°36 | 25° 0 | 21° 7 | 19°47 | 13°19 | 8°10 | W27 |
| T 28 | 20 22 6 | 4°49'28 | 25°15 | 19°17 | 22°26 | 27°40 | 3°52 | 25°41 | 29°26 | 3°36 | 24°58 | 21° 5 | 19°44 | 13°26 | 8°15 | T 28 |
| F 29 | 20 26 3 | 5°46'49 | 9♏ 8 | 19°25 | 22° 2 | 28°21 | 4° 4 | 25°47 | 29°29 | 3°36 | 24°57 | 21°D 5 | 19°40 | 13°33 | 8°20 | F 29 |
| S 30 | 20 29 59 | 6°44'10 | 23°14 | 19°39 | 21°36 | 29° 1 | 4°16 | 25°52 | 29°33 | 3°36 | 24°56 | 21° 6 | 19°37 | 13°39 | 8°26 | S 30 |
| S 31 | 20 33 56 | 7♌41'31 | 7♐34 | 19♋59 | 21♌ 9 | 29♉42 | 4♍28 | 25♍58 | 29♋37 | 3♉37 | 24♒55 | 21♊ 7 | 19♊34 | 13♊46 | 8♋31 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23n 7 | 7s 7 | 4n13 | 18n30 | 1s51 | 15n16 | 0n13 | 13n13 | 1s16 | 12n49 | 0n58 | 4n34 | 2n13 | 21n 6 | 0n31 | 10n59 | 1s43 | 22s17 | 9s50 | 23n11 | 23n 8 | 21n 4 | 17n30 | 5s49 |
| S 2 | 23 3 | 12 38 | 3 18 | 18 13 | 2 7 | 14 58 | 0 4 | 13 27 | 1 15 | 12 45 | 0 58 | 4 33 | 2 12 | 21 6 | 0 31 | 11 0 | 1 43 | 22 17 | 9 51 | 23 11 | 23 8 | 21 5 | 17 29 | 5 49 |
| S 3 | 22 59 | 17 33 | 2 10 | 17 57 | 2 23 | 14 40 | 0s 5 | 13 41 | 1 15 | 12 42 | 0 58 | 4 31 | 2 12 | 21 5 | 0 31 | 11 0 | 1 43 | 22 18 | 9 51 | 23 11 | 23 8 | 21 7 | 17 29 | 5 49 |
| M 4 | 22 54 | 21 28 | 0 51 | 17 42 | 2 38 | 14 22 | 0 14 | 13 55 | 1 14 | 12 38 | 0 58 | 4 29 | 2 12 | 21 4 | 0 31 | 11 0 | 1 43 | 22 18 | 9 51 | 23 12 | 23 8 | 21 9 | 17 29 | 5 49 |
| T 5 | 22 49 | 23 56 | 0s31 | 17 29 | 2 54 | 14 4 | 0 24 | 14 9 | 1 14 | 12 34 | 0 58 | 4 28 | 2 12 | 21 3 | 0 31 | 11 1 | 1 43 | 22 19 | 9 51 | 23 12 | 23 8 | 21 11 | 17 28 | 5 50 |
| W 6 | 22 43 | 24 41 | 1 52 | 17 16 | 3 9 | 13 47 | 0 34 | 14 22 | 1 13 | 12 30 | 0 58 | 4 26 | 2 12 | 21 3 | 0 31 | 11 1 | 1 43 | 22 19 | 9 52 | 23 11 | 23 7 | 21 13 | 17 28 | 5 50 |
| T 7 | 22 37 | 23 39 | 3 3 | 17 5 | 3 23 | 13 29 | 0 44 | 14 36 | 1 13 | 12 26 | 0 58 | 4 24 | 2 12 | 21 2 | 0 31 | 11 1 | 1 43 | 22 20 | 9 52 | 23 11 | 23 7 | 21 14 | 17 28 | 5 50 |
| F 8 | 22 30 | 21 3 | 4 2 | 16 55 | 3 38 | 13 12 | 0 54 | 14 49 | 1 12 | 12 23 | 0 58 | 4 22 | 2 11 | 21 1 | 0 31 | 11 1 | 1 43 | 22 20 | 9 52 | 23 11 | 23 7 | 21 16 | 17 27 | 5 50 |
| S 9 | 22 24 | 17 12 | 4 44 | 16 47 | 3 51 | 12 56 | 1 5 | 15 2 | 1 12 | 12 19 | 0 58 | 4 21 | 2 11 | 21 1 | 0 31 | 11 2 | 1 43 | 22 21 | 9 52 | 23 11 | 23 7 | 21 18 | 17 27 | 5 50 |
| S 10 | 22 16 | 12 33 | 5 8 | 16 40 | 4 3 | 12 39 | 1 16 | 15 15 | 1 11 | 12 15 | 0 58 | 4 19 | 2 11 | 21 0 | 0 31 | 11 2 | 1 43 | 22 21 | 9 53 | 23 11 | 23 6 | 21 20 | 17 26 | 5 50 |
| M11 | 22 9 | 7 27 | 5 14 | 16 35 | 4 15 | 12 23 | 1 28 | 15 28 | 1 11 | 12 11 | 0 58 | 4 17 | 2 11 | 20 59 | 0 31 | 11 2 | 1 43 | 22 22 | 9 53 | 23 11 | 23 6 | 21 21 | 17 26 | 5 50 |
| T 12 | 22 1 | 2 11 | 5 4 | 16 31 | 4 25 | 12 7 | 1 39 | 15 40 | 1 10 | 12 7 | 0 58 | 4 15 | 2 11 | 20 58 | 0 31 | 11 2 | 1 43 | 22 22 | 9 53 | 23 10 | 23 6 | 21 23 | 17 26 | 5 51 |
| W13 | 21 52 | 3n 2 | 4 40 | 16 29 | 4 34 | 11 52 | 1 51 | 15 53 | 1 10 | 12 3 | 0 58 | 4 13 | 2 11 | 20 58 | 0 31 | 11 3 | 1 43 | 22 23 | 9 53 | 23 10 | 23 6 | 21 25 | 17 25 | 5 51 |
| T 14 | 21 43 | 8 1 | 4 3 | 16 28 | 4 42 | 11 37 | 2 3 | 16 5 | 1 9 | 11 59 | 0 58 | 4 11 | 2 10 | 20 57 | 0 31 | 11 3 | 1 43 | 22 24 | 9 53 | 23 10 | 23 6 | 21 27 | 17 25 | 5 51 |
| F 15 | 21 34 | 12 37 | 3 17 | 16 29 | 4 48 | 11 22 | 2 16 | 16 17 | 1 9 | 11 54 | 0 58 | 4 9 | 2 10 | 20 56 | 0 31 | 11 3 | 1 44 | 22 24 | 9 54 | 23 11 | 23 5 | 21 28 | 17 24 | 5 51 |
| S 16 | 21 25 | 16 41 | 2 22 | 16 31 | 4 53 | 11 8 | 2 28 | 16 29 | 1 8 | 11 50 | 0 58 | 4 7 | 2 10 | 20 55 | 0 31 | 11 3 | 1 44 | 22 25 | 9 54 | 23 11 | 23 5 | 21 30 | 17 24 | 5 51 |
| S 17 | 21 15 | 20 4 | 1 22 | 16 35 | 4 56 | 10 55 | 2 41 | 16 41 | 1 7 | 11 46 | 0 58 | 4 5 | 2 10 | 20 55 | 0 31 | 11 3 | 1 44 | 22 25 | 9 54 | 23 11 | 23 5 | 21 32 | 17 23 | 5 51 |
| M18 | 21 5 | 22 38 | 0 18 | 16 40 | 4 57 | 10 41 | 2 54 | 16 52 | 1 7 | 11 42 | 0 58 | 4 3 | 2 10 | 20 54 | 0 31 | 11 4 | 1 44 | 22 26 | 9 54 | 23 11 | 23 5 | 21 34 | 17 23 | 5 52 |
| T 19 | 20 54 | 24 12 | 0n46 | 16 46 | 4 56 | 10 29 | 3 8 | 17 4 | 1 6 | 11 38 | 0 58 | 4 1 | 2 10 | 20 53 | 0 31 | 11 4 | 1 44 | 22 26 | 9 54 | 23 11 | 23 4 | 21 35 | 17 22 | 5 52 |
| W20 | 20 43 | 24 41 | 1 50 | 16 53 | 4 54 | 10 17 | 3 21 | 17 15 | 1 6 | 11 34 | 0 57 | 3 59 | 2 10 | 20 52 | 0 31 | 11 4 | 1 44 | 22 27 | 9 55 | 23 11 | 23 4 | 21 37 | 17 22 | 5 52 |
| T 21 | 20 32 | 24 0 | 2 49 | 17 2 | 4 50 | 10 6 | 3 35 | 17 26 | 1 5 | 11 29 | 0 57 | 3 56 | 2 9 | 20 52 | 0 31 | 11 4 | 1 44 | 22 28 | 9 55 | 23 10 | 23 4 | 21 39 | 17 21 | 5 52 |
| F 22 | 20 20 | 22 8 | 3 40 | 17 11 | 4 45 | 9 55 | 3 49 | 17 37 | 1 4 | 11 25 | 0 57 | 3 54 | 2 9 | 20 51 | 0 31 | 11 4 | 1 44 | 22 28 | 9 55 | 23 10 | 23 4 | 21 41 | 17 21 | 5 52 |
| S 23 | 20 8 | 19 12 | 4 23 | 17 21 | 4 38 | 9 46 | 4 2 | 17 48 | 1 4 | 11 21 | 0 57 | 3 52 | 2 9 | 20 50 | 0 31 | 11 4 | 1 44 | 22 29 | 9 55 | 23 10 | 23 3 | 21 42 | 17 20 | 5 53 |
| S 24 | 19 56 | 15 18 | 4 52 | 17 32 | 4 30 | 9 36 | 4 16 | 17 59 | 1 3 | 11 16 | 0 57 | 3 50 | 2 9 | 20 49 | 0 31 | 11 4 | 1 44 | 22 29 | 9 55 | 23 9 | 23 3 | 21 44 | 17 20 | 5 53 |
| M25 | 19 43 | 10 39 | 5 8 | 17 44 | 4 20 | 9 28 | 4 30 | 18 9 | 1 2 | 11 12 | 0 57 | 3 48 | 2 9 | 20 49 | 0 31 | 11 4 | 1 44 | 22 30 | 9 55 | 23 9 | 23 3 | 21 46 | 17 19 | 5 53 |
| T 26 | 19 30 | 5 26 | 5 7 | 17 56 | 4 10 | 9 20 | 4 44 | 18 19 | 1 2 | 11 8 | 0 57 | 3 45 | 2 9 | 20 48 | 0 31 | 11 5 | 1 44 | 22 30 | 9 56 | 23 8 | 23 3 | 21 47 | 17 19 | 5 53 |
| W27 | 19 17 | 0s 8 | 4 50 | 18 8 | 3 58 | 9 14 | 4 57 | 18 30 | 1 1 | 11 3 | 0 57 | 3 43 | 2 9 | 20 47 | 0 31 | 11 5 | 1 44 | 22 31 | 9 56 | 23 8 | 23 2 | 21 49 | 17 18 | 5 54 |
| T 28 | 19 3 | 5 47 | 4 17 | 18 20 | 3 45 | 9 8 | 5 11 | 18 39 | 1 0 | 10 59 | 0 57 | 3 41 | 2 8 | 20 46 | 0 31 | 11 5 | 1 44 | 22 31 | 9 56 | 23 8 | 23 2 | 21 51 | 17 17 | 5 54 |
| F 29 | 18 49 | 11 15 | 3 27 | 18 32 | 3 32 | 9 2 | 5 24 | 18 49 | 0 59 | 10 54 | 0 57 | 3 38 | 2 8 | 20 46 | 0 31 | 11 5 | 1 44 | 22 32 | 9 56 | 23 8 | 23 2 | 21 52 | 17 17 | 5 54 |
| S 30 | 18 35 | 16 14 | 2 25 | 18 44 | 3 17 | 8 58 | 5 38 | 18 59 | 0 59 | 10 50 | 0 57 | 3 36 | 2 8 | 20 45 | 0 31 | 11 5 | 1 44 | 22 33 | 9 56 | 23 8 | 23 2 | 21 54 | 17 16 | 5 54 |
| S 31 | 18n21 | 20s22 | 1n13 | 18n56 | 3s 3 | 8n54 | 5s50 | 19n 8 | 0s58 | 10n45 | 0n57 | 3n34 | 2n 8 | 20n44 | 0n31 | 11n 5 | 1s44 | 22s33 | 9s56 | 23n 8 | 23n 1 | 21n56 | 17n16 | 5s55 |

Julian Day Number = 2465970.5, Delta T = 71.67 sec
Ecliptic obliquity = 23°26'04, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°17'31, Lahiri = 24°24'32

# ASTRODIENST EPHEMERIS for the year 2039
# geocentric

## AUGUST 2039 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 37 52 | 8♌38'54 | 22♐ 4 | 20♋26 | 20°R39 | 0♊22 | 4♍40 | 26♍ 4 | 29♋40 | 3♉37 | 24°R54 | 21°R 7 | 19♊31 | 13♊53 | 8♋36 | M 1 |
| T 2 | 20 41 49 | 9°36'16 | 6♑42 | 20°59 | 20♌ 8 | 1° 2 | 4°53 | 26°10 | 29°44 | 3°37 | 24♒52 | 21♊ 6 | 19°28 | 13°59 | 8°42 | T 2 |
| W 3 | 20 45 45 | 10°33'40 | 21°21 | 21°38 | 19°35 | 1°42 | 5° 5 | 26°16 | 29°48 | 3°37 | 24°51 | 21° 3 | 19°25 | 14° 6 | 8°47 | W 3 |
| T 4 | 20 49 42 | 11°31'04 | 5♒55 | 22°23 | 19° 1 | 2°22 | 5°18 | 26°22 | 29°51 | 3°37 | 24°50 | 20°58 | 19°21 | 14°12 | 8°52 | T 4 |
| F 5 | 20 53 39 | 12°28'29 | 20°19 | 23°14 | 18°26 | 3° 2 | 5°30 | 26°28 | 29°55 | 3°37 | 24°48 | 20°51 | 19°18 | 14°19 | 8°57 | F 5 |
| S 6 | 20 57 35 | 13°25'55 | 4♓24 | 24°12 | 17°50 | 3°42 | 5°42 | 26°34 | 29°58 | 3°37 | 24°47 | 20°43 | 19°15 | 14°26 | 9° 3 | S 6 |
| S 7 | 21 1 32 | 14°23'22 | 18° 8 | 25°15 | 17°13 | 4°22 | 5°55 | 26°40 | 0♌ 2 | 3°R37 | 24°46 | 20°34 | 19°12 | 14°32 | 9° 8 | S 7 |
| M 8 | 21 5 28 | 15°20'50 | 1♈28 | 26°24 | 16°36 | 5° 1 | 6° 7 | 26°46 | 0° 6 | 3°37 | 24°45 | 20°27 | 19° 9 | 14°39 | 9°13 | M 8 |
| T 9 | 21 9 25 | 16°18'19 | 14°24 | 27°38 | 15°59 | 5°40 | 6°20 | 26°52 | 0° 9 | 3°37 | 24°43 | 20°20 | 19° 5 | 14°46 | 9°18 | T 9 |
| W10 | 21 13 21 | 17°15'50 | 26°57 | 28°58 | 15°21 | 6°20 | 6°33 | 26°58 | 0°13 | 3°37 | 24°42 | 20°16 | 19° 2 | 14°52 | 9°23 | W10 |
| T 11 | 21 17 18 | 18°13'22 | 9♉11 | 0♌23 | 14°44 | 6°59 | 6°45 | 27° 5 | 0°16 | 3°37 | 24°41 | 20°14 | 18°59 | 14°59 | 9°28 | T 11 |
| F 12 | 21 21 14 | 19°10'55 | 21°12 | 1°53 | 14° 8 | 7°38 | 6°58 | 27°11 | 0°20 | 3°37 | 24°39 | 20°D13 | 18°56 | 15° 6 | 9°33 | F 12 |
| S 13 | 21 25 11 | 20° 8'30 | 3♊ 3 | 3°27 | 13°32 | 8°17 | 7°11 | 27°17 | 0°23 | 3°37 | 24°38 | 20°14 | 18°53 | 15°12 | 9°38 | S 13 |
| S 14 | 21 29 7 | 21° 6'06 | 14°51 | 5° 6 | 12°57 | 8°56 | 7°23 | 27°24 | 0°27 | 3°37 | 24°37 | 20°R15 | 18°50 | 15°19 | 9°43 | S 14 |
| M15 | 21 33 4 | 22° 3'44 | 26°40 | 6°48 | 12°23 | 9°34 | 7°36 | 27°30 | 0°30 | 3°36 | 24°35 | 20°15 | 18°46 | 15°26 | 9°47 | M15 |
| T 16 | 21 37 1 | 23° 1'23 | 8♋36 | 8°34 | 11°51 | 10°13 | 7°49 | 27°37 | 0°34 | 3°36 | 24°34 | 20°13 | 18°43 | 15°32 | 9°52 | T 16 |
| W17 | 21 40 57 | 23°59'04 | 20°42 | 10°23 | 11°20 | 10°51 | 8° 2 | 27°44 | 0°37 | 3°36 | 24°33 | 20° 9 | 18°40 | 15°39 | 9°57 | W17 |
| T 18 | 21 44 54 | 24°56'46 | 3♌ 1 | 12°15 | 10°51 | 11°29 | 8°15 | 27°50 | 0°41 | 3°35 | 24°31 | 20° 2 | 18°37 | 15°45 | 10° 2 | T 18 |
| F 19 | 21 48 50 | 25°54'29 | 15°36 | 14°10 | 10°24 | 12° 7 | 8°27 | 27°57 | 0°44 | 3°35 | 24°30 | 19°53 | 18°34 | 15°52 | 10° 6 | F 19 |
| S 20 | 21 52 47 | 26°52'14 | 28°27 | 16° 6 | 9°59 | 12°45 | 8°40 | 28° 4 | 0°48 | 3°35 | 24°29 | 19°43 | 18°30 | 15°59 | 10°11 | S 20 |
| S 21 | 21 56 43 | 27°50'00 | 11♍33 | 18° 3 | 9°35 | 13°23 | 8°53 | 28°10 | 0°51 | 3°34 | 24°27 | 19°31 | 18°27 | 16° 5 | 10°15 | S 21 |
| M22 | 22 0 40 | 28°47'47 | 24°54 | 20° 2 | 9°15 | 14° 0 | 9° 6 | 28°17 | 0°54 | 3°34 | 24°26 | 19°20 | 18°24 | 16°12 | 10°20 | M22 |
| T 23 | 22 4 36 | 29°45'36 | 8♎26 | 22° 2 | 8°56 | 14°38 | 9°19 | 28°24 | 0°58 | 3°33 | 24°25 | 19°11 | 18°21 | 16°19 | 10°24 | T 23 |
| W24 | 22 8 33 | 0♍43'26 | 22° 9 | 24° 2 | 8°39 | 15°15 | 9°32 | 28°31 | 1° 1 | 3°33 | 24°23 | 19° 3 | 18°18 | 16°25 | 10°29 | W24 |
| T 25 | 22 12 30 | 1°41'17 | 6♏ 0 | 26° 2 | 8°25 | 15°52 | 9°45 | 28°38 | 1° 4 | 3°32 | 24°22 | 18°58 | 18°15 | 16°32 | 10°33 | T 25 |
| F 26 | 22 16 26 | 2°39'09 | 19°58 | 28° 2 | 8°14 | 16°29 | 9°58 | 28°45 | 1° 8 | 3°31 | 24°21 | 18°56 | 18°11 | 16°39 | 10°37 | F 26 |
| S 27 | 22 20 23 | 3°37'03 | 4♐ 1 | 0♍ 2 | 8° 4 | 17° 6 | 10°11 | 28°52 | 1°11 | 3°31 | 24°20 | 18°D56 | 18° 8 | 16°45 | 10°42 | S 27 |
| S 28 | 22 24 19 | 4°34'57 | 18° 9 | 2° 1 | 7°57 | 17°43 | 10°24 | 28°59 | 1°14 | 3°30 | 24°18 | 18°R56 | 18° 5 | 16°52 | 10°46 | S 28 |
| M29 | 22 28 16 | 5°32'53 | 2♑21 | 4° 0 | 7°53 | 18°19 | 10°37 | 29° 6 | 1°17 | 3°29 | 24°17 | 18°55 | 18° 2 | 16°59 | 10°50 | M29 |
| T 30 | 22 32 12 | 6°30'51 | 16°36 | 5°58 | 7°D51 | 18°56 | 10°50 | 29°13 | 1°20 | 3°29 | 24°16 | 18°53 | 17°59 | 17° 5 | 10°54 | T 30 |
| W31 | 22 36 9 | 7♍28'49 | 0♒50 | 7♍55 | 7♌51 | 19♊32 | 11♍ 3 | 29♍20 | 1♌24 | 3♉28 | 24♒14 | 18♊48 | 17♊56 | 17♊12 | 10♋58 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 18n 6 | 23s17 | 0s 5 | 19n 7 | 2s48 | 8n52 | 6s 3 | 19n17 | 0s57 | 10n41 | 0n57 | 3n31 | 2n 8 | 20n43 | 0n31 | 11n 5 | 1s45 | 22s34 | 9s56 | 23n 8 | 23n 1 | 21n57 | 17n15 | 5s55 |
| T 2 | 17 51 | 24 39 | 1 23 | 19 18 | 2 32 | 8 50 | 6 15 | 19 26 | 0 57 | 10 36 | 0 57 | 3 29 | 2 8 | 20 43 | 0 31 | 11 5 | 1 45 | 22 34 | 9 57 | 23 8 | 23 1 | 21 59 | 17 14 | 5 55 |
| W 3 | 17 35 | 24 18 | 2 36 | 19 27 | 2 16 | 8 49 | 6 27 | 19 35 | 0 56 | 10 32 | 0 57 | 3 26 | 2 8 | 20 42 | 0 31 | 11 5 | 1 45 | 22 35 | 9 57 | 23 8 | 23 1 | 22 1 | 17 14 | 5 56 |
| T 4 | 17 19 | 22 18 | 3 37 | 19 36 | 2 1 | 8 49 | 6 38 | 19 44 | 0 55 | 10 27 | 0 57 | 3 24 | 2 8 | 20 41 | 0 31 | 11 5 | 1 45 | 22 35 | 9 57 | 23 8 | 23 0 | 22 2 | 17 13 | 5 56 |
| F 5 | 17 3 | 18 53 | 4 24 | 19 43 | 1 45 | 8 49 | 6 48 | 19 52 | 0 54 | 10 23 | 0 57 | 3 21 | 2 7 | 20 40 | 0 31 | 11 5 | 1 45 | 22 36 | 9 57 | 23 7 | 23 0 | 22 4 | 17 12 | 5 56 |
| S 6 | 16 47 | 14 27 | 4 54 | 19 49 | 1 29 | 8 51 | 6 58 | 20 1 | 0 53 | 10 18 | 0 57 | 3 19 | 2 7 | 20 40 | 0 31 | 11 5 | 1 45 | 22 37 | 9 57 | 23 7 | 23 0 | 22 6 | 17 12 | 5 57 |
| S 7 | 16 31 | 9 23 | 5 6 | 19 53 | 1 13 | 8 53 | 7 7 | 20 9 | 0 53 | 10 14 | 0 57 | 3 16 | 2 7 | 20 39 | 0 31 | 11 5 | 1 45 | 22 37 | 9 57 | 23 6 | 23 0 | 22 7 | 17 11 | 5 57 |
| M 8 | 16 14 | 4 1 | 5 1 | 19 55 | 0 58 | 8 56 | 7 15 | 20 17 | 0 52 | 10 9 | 0 57 | 3 14 | 2 7 | 20 38 | 0 31 | 11 5 | 1 45 | 22 38 | 9 57 | 23 5 | 22 59 | 22 9 | 17 10 | 5 57 |
| T 9 | 15 57 | 1n22 | 4 40 | 19 56 | 0 43 | 8 59 | 7 23 | 20 25 | 0 51 | 10 4 | 0 57 | 3 11 | 2 7 | 20 37 | 0 31 | 11 4 | 1 45 | 22 38 | 9 57 | 23 5 | 22 59 | 22 11 | 17 10 | 5 58 |
| W10 | 15 39 | 6 33 | 4 6 | 19 54 | 0 28 | 9 3 | 7 30 | 20 32 | 0 50 | 10 0 | 0 57 | 3 9 | 2 7 | 20 37 | 0 31 | 11 4 | 1 45 | 22 39 | 9 57 | 23 5 | 22 59 | 22 12 | 17 9 | 5 58 |
| T 11 | 15 22 | 11 22 | 3 22 | 19 50 | 0 14 | 9 8 | 7 36 | 20 40 | 0 49 | 9 55 | 0 57 | 3 6 | 2 7 | 20 36 | 0 31 | 11 4 | 1 45 | 22 39 | 9 58 | 23 5 | 22 59 | 22 14 | 17 8 | 5 58 |
| F 12 | 15 4 | 15 39 | 2 29 | 19 44 | 0 1 | 9 14 | 7 41 | 20 47 | 0 48 | 9 50 | 0 57 | 3 4 | 2 7 | 20 35 | 0 31 | 11 4 | 1 45 | 22 40 | 9 58 | 23 4 | 22 58 | 22 15 | 17 8 | 5 59 |
| S 13 | 14 46 | 19 17 | 1 31 | 19 35 | 0n12 | 9 19 | 7 45 | 20 54 | 0 47 | 9 45 | 0 57 | 3 1 | 2 7 | 20 34 | 0 31 | 11 4 | 1 45 | 22 40 | 9 58 | 23 5 | 22 58 | 22 17 | 17 7 | 5 59 |
| S 14 | 14 28 | 22 6 | 0 29 | 19 23 | 0 24 | 9 26 | 7 48 | 21 1 | 0 47 | 9 41 | 0 57 | 2 58 | 2 7 | 20 34 | 0 31 | 11 4 | 1 45 | 22 41 | 9 58 | 23 5 | 22 58 | 22 19 | 17 6 | 5 59 |
| M15 | 14 9 | 23 58 | 0n34 | 19 9 | 0 36 | 9 32 | 7 51 | 21 8 | 0 46 | 9 36 | 0 57 | 2 56 | 2 7 | 20 33 | 0 31 | 11 4 | 1 45 | 22 41 | 9 58 | 23 5 | 22 58 | 22 20 | 17 6 | 6 0 |
| T 16 | 13 50 | 24 46 | 1 37 | 18 52 | 0 46 | 9 39 | 7 53 | 21 14 | 0 45 | 9 31 | 0 57 | 2 53 | 2 6 | 20 32 | 0 31 | 11 4 | 1 45 | 22 42 | 9 58 | 23 4 | 22 57 | 22 22 | 17 5 | 6 0 |
| W17 | 13 31 | 24 24 | 2 35 | 18 32 | 0 56 | 9 47 | 7 54 | 21 21 | 0 44 | 9 26 | 0 57 | 2 50 | 2 6 | 20 31 | 0 31 | 11 3 | 1 46 | 22 42 | 9 58 | 23 4 | 22 57 | 22 23 | 17 4 | 6 1 |
| T 18 | 13 12 | 22 50 | 3 27 | 18 10 | 1 5 | 9 54 | 7 54 | 21 27 | 0 43 | 9 22 | 0 57 | 2 47 | 2 6 | 20 31 | 0 31 | 11 3 | 1 46 | 22 43 | 9 58 | 23 4 | 22 57 | 22 25 | 17 3 | 6 1 |
| F 19 | 12 53 | 20 8 | 4 11 | 17 45 | 1 13 | 10 2 | 7 53 | 21 33 | 0 42 | 9 17 | 0 57 | 2 45 | 2 6 | 20 30 | 0 31 | 11 3 | 1 46 | 22 43 | 9 58 | 23 3 | 22 57 | 22 27 | 17 3 | 6 1 |
| S 20 | 12 33 | 16 25 | 4 42 | 17 17 | 1 20 | 10 10 | 7 52 | 21 39 | 0 41 | 9 12 | 0 57 | 2 42 | 2 6 | 20 29 | 0 31 | 11 3 | 1 46 | 22 44 | 9 58 | 23 2 | 22 56 | 22 28 | 17 2 | 6 2 |
| S 21 | 12 13 | 11 50 | 4 59 | 16 47 | 1 27 | 10 17 | 7 50 | 21 44 | 0 40 | 9 7 | 0 57 | 2 39 | 2 6 | 20 29 | 0 31 | 11 3 | 1 46 | 22 44 | 9 58 | 23 1 | 22 56 | 22 30 | 17 1 | 6 2 |
| M22 | 11 53 | 6 38 | 5 1 | 16 15 | 1 32 | 10 25 | 7 47 | 21 50 | 0 39 | 9 2 | 0 57 | 2 37 | 2 6 | 20 28 | 0 31 | 11 2 | 1 46 | 22 45 | 9 58 | 23 0 | 22 56 | 22 31 | 17 0 | 6 3 |
| T 23 | 11 33 | 1 2 | 4 46 | 15 41 | 1 36 | 10 33 | 7 44 | 21 55 | 0 38 | 8 58 | 0 57 | 2 34 | 2 6 | 20 27 | 0 31 | 11 2 | 1 46 | 22 45 | 9 58 | 23 0 | 22 55 | 22 33 | 17 0 | 6 3 |
| W24 | 11 13 | 4s42 | 4 14 | 15 5 | 1 40 | 10 41 | 7 40 | 22 0 | 0 37 | 8 53 | 0 57 | 2 31 | 2 6 | 20 26 | 0 31 | 11 2 | 1 46 | 22 46 | 9 58 | 22 59 | 22 55 | 22 34 | 16 59 | 6 3 |
| T 25 | 10 52 | 10 16 | 3 27 | 14 27 | 1 43 | 10 49 | 7 35 | 22 5 | 0 36 | 8 48 | 0 57 | 2 28 | 2 6 | 20 26 | 0 32 | 11 2 | 1 46 | 22 46 | 9 58 | 22 59 | 22 55 | 22 36 | 16 58 | 6 4 |
| F 26 | 10 32 | 15 22 | 2 27 | 13 47 | 1 45 | 10 57 | 7 30 | 22 10 | 0 35 | 8 43 | 0 57 | 2 25 | 2 6 | 20 25 | 0 32 | 11 2 | 1 46 | 22 47 | 9 58 | 22 58 | 22 55 | 22 38 | 16 57 | 6 4 |
| S 27 | 10 11 | 19 40 | 1 18 | 13 6 | 1 46 | 11 5 | 7 25 | 22 15 | 0 34 | 8 38 | 0 57 | 2 23 | 2 6 | 20 24 | 0 32 | 11 1 | 1 46 | 22 47 | 9 58 | 22 58 | 22 54 | 22 39 | 16 57 | 6 5 |
| S 28 | 9 50 | 22 50 | 0 4 | 12 24 | 1 46 | 11 12 | 7 19 | 22 19 | 0 33 | 8 33 | 0 57 | 2 20 | 2 6 | 20 24 | 0 32 | 11 1 | 1 46 | 22 48 | 9 58 | 22 58 | 22 54 | 22 41 | 16 56 | 6 5 |
| M29 | 9 29 | 24 35 | 1s11 | 11 41 | 1 46 | 11 19 | 7 12 | 22 24 | 0 32 | 8 28 | 0 57 | 2 17 | 2 6 | 20 23 | 0 32 | 11 1 | 1 46 | 22 48 | 9 58 | 22 58 | 22 54 | 22 42 | 16 55 | 6 6 |
| T 30 | 9 7 | 24 44 | 2 21 | 10 57 | 1 45 | 11 26 | 7 6 | 22 28 | 0 31 | 8 23 | 0 57 | 2 14 | 2 6 | 20 22 | 0 32 | 11 0 | 1 46 | 22 49 | 9 58 | 22 58 | 22 53 | 22 44 | 16 54 | 6 6 |
| W31 | 8n46 | 23s16 | 3s22 | 10n12 | 1n43 | 11n33 | 6s59 | 22n32 | 0s30 | 8n19 | 0n58 | 2n11 | 2n 6 | 20n22 | 0n32 | 11n 0 | 1s46 | 22s49 | 9s58 | 22n58 | 22n53 | 22n45 | 16n53 | 6s 7 |

Julian Day Number = 2466001.5, Delta T = 71.69 sec
Ecliptic obliquity = 23°26'04, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°17'36, Lahiri = 24°24'36

# ASTRODIENST EPHEMERIS for the year 2039
# geocentric

## SEPTEMBER 2039 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 40 5 | 8♍26'49 | 15♒ 0 | 9♍51 | 7♌53 | 20♊ 8 | 11♍16 | 29♍27 | 1♌27 | 3°R27 | 24°R13 | 18°R40 | 17♊52 | 17♊18 | 11♋ 2 | T 1 |
| F 2 | 22 44 2 | 9°24'51 | 29° 1 | 11°46 | 7°58 | 20°43 | 11°29 | 29°34 | 1°30 | 3♉26 | 24♒12 | 18♊30 | 17°49 | 17°25 | 11° 6 | F 2 |
| S 3 | 22 47 59 | 10°22'54 | 12♓49 | 13°39 | 8° 5 | 21°19 | 11°42 | 29°41 | 1°33 | 3°25 | 24°11 | 18°19 | 17°46 | 17°32 | 11°10 | S 3 |
| S 4 | 22 51 55 | 11°20'58 | 26°20 | 15°32 | 8°14 | 21°54 | 11°55 | 29°48 | 1°36 | 3°25 | 24° 9 | 18° 6 | 17°43 | 17°38 | 11°13 | S 4 |
| M 5 | 22 55 52 | 12°19'05 | 9♈32 | 17°24 | 8°26 | 22°30 | 12° 8 | 29°55 | 1°39 | 3°24 | 24° 8 | 17°55 | 17°40 | 17°45 | 11°17 | M 5 |
| T 6 | 22 59 48 | 13°17'13 | 22°22 | 19°14 | 8°39 | 23° 5 | 12°21 | 0♎ 3 | 1°42 | 3°23 | 24° 7 | 17°45 | 17°36 | 17°52 | 11°21 | T 6 |
| W 7 | 23 3 45 | 14°15'23 | 4♉53 | 21° 3 | 8°54 | 23°40 | 12°34 | 0°10 | 1°45 | 3°22 | 24° 6 | 17°38 | 17°33 | 17°58 | 11°24 | W 7 |
| T 8 | 23 7 41 | 15°13'35 | 17° 6 | 22°51 | 9°12 | 24°14 | 12°47 | 0°17 | 1°48 | 3°21 | 24° 4 | 17°33 | 17°30 | 18° 5 | 11°28 | T 8 |
| F 9 | 23 11 38 | 16°11'49 | 29° 6 | 24°38 | 9°31 | 24°49 | 13° 0 | 0°24 | 1°51 | 3°20 | 24° 3 | 17°31 | 17°27 | 18°12 | 11°31 | F 9 |
| S 10 | 23 15 34 | 17°10'05 | 10♊57 | 26°23 | 9°52 | 25°23 | 13°13 | 0°32 | 1°54 | 3°19 | 24° 2 | 17°30 | 17°24 | 18°18 | 11°35 | S 10 |
| S 11 | 23 19 31 | 18° 8'23 | 22°46 | 28° 8 | 10°15 | 25°57 | 13°26 | 0°39 | 1°56 | 3°18 | 24° 1 | 17°30 | 17°21 | 18°25 | 11°38 | S 11 |
| M12 | 23 23 28 | 19° 6'44 | 4♋36 | 29°51 | 10°40 | 26°31 | 13°39 | 0°46 | 1°59 | 3°17 | 24° 0 | 17°30 | 17°17 | 18°32 | 11°41 | M12 |
| T 13 | 23 27 24 | 20° 5'06 | 16°34 | 1♎33 | 11° 6 | 27° 5 | 13°52 | 0°54 | 2° 2 | 3°16 | 23°58 | 17°28 | 17°14 | 18°38 | 11°45 | T 13 |
| W14 | 23 31 21 | 21° 3'31 | 28°44 | 3°14 | 11°34 | 27°38 | 14° 5 | 1° 1 | 2° 5 | 3°14 | 23°57 | 17°23 | 17°11 | 18°45 | 11°48 | W14 |
| T 15 | 23 35 17 | 22° 1'57 | 11♌11 | 4°54 | 12° 4 | 28°12 | 14°18 | 1° 8 | 2° 7 | 3°13 | 23°56 | 17°16 | 17° 8 | 18°52 | 11°51 | T 15 |
| F 16 | 23 39 14 | 23° 0'26 | 23°58 | 6°33 | 12°35 | 28°45 | 14°31 | 1°16 | 2°10 | 3°12 | 23°55 | 17° 7 | 17° 5 | 18°58 | 11°54 | F 16 |
| S 17 | 23 43 10 | 23°58'56 | 7♍ 5 | 8°11 | 13° 7 | 29°17 | 14°44 | 1°23 | 2°13 | 3°11 | 23°54 | 16°55 | 17° 2 | 19° 5 | 11°57 | S 17 |
| S 18 | 23 47 7 | 24°57'28 | 20°32 | 9°48 | 13°41 | 29°50 | 14°57 | 1°31 | 2°15 | 3°10 | 23°53 | 16°43 | 16°58 | 19°11 | 12° 0 | S 18 |
| M19 | 23 51 3 | 25°56'03 | 4♎16 | 11°23 | 14°16 | 0♋22 | 15°10 | 1°38 | 2°18 | 3° 8 | 23°52 | 16°31 | 16°55 | 19°18 | 12° 2 | M19 |
| T 20 | 23 55 0 | 26°54'39 | 18°15 | 12°58 | 14°53 | 0°54 | 15°23 | 1°45 | 2°20 | 3° 7 | 23°51 | 16°20 | 16°52 | 19°25 | 12° 5 | T 20 |
| W21 | 23 58 57 | 27°53'17 | 2♏22 | 14°32 | 15°31 | 1°26 | 15°36 | 1°53 | 2°23 | 3° 6 | 23°50 | 16°12 | 16°49 | 19°31 | 12° 8 | W21 |
| T 22 | 0 2 53 | 28°51'57 | 16°35 | 16° 5 | 16° 9 | 1°58 | 15°48 | 2° 0 | 2°25 | 3° 5 | 23°49 | 16° 6 | 16°46 | 19°38 | 12°10 | T 22 |
| F 23 | 0 6 50 | 29°50'38 | 0♐48 | 17°36 | 16°50 | 2°29 | 16° 1 | 2° 8 | 2°27 | 3° 3 | 23°48 | 16° 4 | 16°42 | 19°45 | 12°13 | F 23 |
| S 24 | 0 10 46 | 0♎49'22 | 15° 0 | 19° 7 | 17°31 | 3° 0 | 16°14 | 2°15 | 2°30 | 3° 2 | 23°47 | 16°D 3 | 16°39 | 19°51 | 12°15 | S 24 |
| S 25 | 0 14 43 | 1°48'07 | 29° 8 | 20°37 | 18°13 | 3°31 | 16°27 | 2°23 | 2°32 | 3° 1 | 23°46 | 16°R 3 | 16°36 | 19°58 | 12°18 | S 25 |
| M26 | 0 18 39 | 2°46'53 | 13♑12 | 22° 5 | 18°56 | 4° 1 | 16°40 | 2°30 | 2°34 | 2°59 | 23°45 | 16° 3 | 16°33 | 20° 5 | 12°20 | M26 |
| T 27 | 0 22 36 | 3°45'42 | 27°11 | 23°33 | 19°40 | 4°32 | 16°52 | 2°38 | 2°36 | 2°58 | 23°44 | 16° 1 | 16°30 | 20°11 | 12°22 | T 27 |
| W28 | 0 26 32 | 4°44'32 | 11♒ 3 | 25° 0 | 20°25 | 5° 2 | 17° 5 | 2°45 | 2°39 | 2°56 | 23°43 | 15°57 | 16°27 | 20°18 | 12°24 | W28 |
| T 29 | 0 30 29 | 5°43'24 | 24°48 | 26°25 | 21°12 | 5°31 | 17°18 | 2°52 | 2°41 | 2°55 | 23°42 | 15°49 | 16°23 | 20°25 | 12°26 | T 29 |
| F 30 | 0 34 26 | 6♎42'17 | 8♓24 | 27♎50 | 21♌58 | 6♋ 1 | 17♍30 | 3♎ 0 | 2♌43 | 2♉53 | 23♒41 | 15♊40 | 16♊20 | 20♊31 | 12♋28 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 8n24 | 20s20 | 4s11 | 9n26 | 1n41 | 11n39 | 6s52 | 22n36 | 0s29 | 8n14 | 0n58 | 2n 8 | 2n 6 | 20n21 | 0n32 | 11n 0 | 1s46 | 22s50 | 9s58 | 22n57 | 22n53 | 22n47 | 16n53 | 6s 7 |
| F 2 | 8 2 | 16 14 | 4 44 | 8 40 | 1 39 | 11 46 | 6 44 | 22 39 | 0 28 | 8 9 | 0 58 | 2 5 | 2 5 | 20 20 | 0 32 | 10 59 | 1 46 | 22 50 | 9 58 | 22 56 | 22 53 | 22 48 | 16 52 | 6 8 |
| S 3 | 7 40 | 11 21 | 4 59 | 7 54 | 1 36 | 11 51 | 6 36 | 22 43 | 0 26 | 8 4 | 0 58 | 2 3 | 2 5 | 20 20 | 0 32 | 10 59 | 1 46 | 22 50 | 9 58 | 22 55 | 22 52 | 22 50 | 16 51 | 6 8 |
| S 4 | 7 18 | 6 0 | 4 58 | 7 7 | 1 32 | 11 57 | 6 28 | 22 46 | 0 25 | 7 59 | 0 58 | 2 0 | 2 5 | 20 19 | 0 32 | 10 59 | 1 47 | 22 51 | 9 58 | 22 54 | 22 52 | 22 51 | 16 50 | 6 9 |
| M 5 | 6 56 | 0 31 | 4 40 | 6 20 | 1 28 | 12 2 | 6 20 | 22 49 | 0 24 | 7 54 | 0 58 | 1 57 | 2 5 | 20 18 | 0 32 | 10 58 | 1 47 | 22 51 | 9 58 | 22 53 | 22 52 | 22 53 | 16 50 | 6 9 |
| T 6 | 6 34 | 4n52 | 4 8 | 5 33 | 1 24 | 12 6 | 6 12 | 22 52 | 0 23 | 7 49 | 0 58 | 1 54 | 2 5 | 20 18 | 0 32 | 10 58 | 1 47 | 22 52 | 9 58 | 22 52 | 22 51 | 22 54 | 16 49 | 6 10 |
| W 7 | 6 12 | 9 55 | 3 25 | 4 45 | 1 19 | 12 11 | 6 3 | 22 55 | 0 22 | 7 44 | 0 58 | 1 51 | 2 5 | 20 17 | 0 32 | 10 58 | 1 47 | 22 52 | 9 58 | 22 52 | 22 51 | 22 56 | 16 48 | 6 10 |
| T 8 | 5 49 | 14 29 | 2 34 | 3 58 | 1 14 | 12 15 | 5 55 | 22 58 | 0 21 | 7 39 | 0 58 | 1 48 | 2 5 | 20 16 | 0 32 | 10 57 | 1 47 | 22 52 | 9 58 | 22 51 | 22 51 | 22 57 | 16 47 | 6 11 |
| F 9 | 5 27 | 18 24 | 1 36 | 3 11 | 1 8 | 12 18 | 5 46 | 23 1 | 0 19 | 7 34 | 0 58 | 1 45 | 2 5 | 20 16 | 0 32 | 10 57 | 1 47 | 22 53 | 9 58 | 22 51 | 22 51 | 22 59 | 16 46 | 6 11 |
| S 10 | 5 4 | 21 31 | 0 35 | 2 24 | 1 3 | 12 21 | 5 37 | 23 3 | 0 18 | 7 29 | 0 58 | 1 42 | 2 5 | 20 15 | 0 32 | 10 57 | 1 47 | 22 53 | 9 58 | 22 51 | 22 50 | 23 0 | 16 46 | 6 12 |
| S 11 | 4 41 | 23 42 | 0n28 | 1 37 | 0 57 | 12 23 | 5 29 | 23 5 | 0 17 | 7 24 | 0 58 | 1 39 | 2 5 | 20 15 | 0 32 | 10 56 | 1 47 | 22 53 | 9 58 | 22 51 | 22 50 | 23 2 | 16 45 | 6 12 |
| M12 | 4 19 | 24 51 | 1 29 | 0 50 | 0 50 | 12 25 | 5 20 | 23 8 | 0 16 | 7 19 | 0 58 | 1 36 | 2 5 | 20 14 | 0 32 | 10 56 | 1 47 | 22 54 | 9 58 | 22 51 | 22 50 | 23 3 | 16 44 | 6 13 |
| T 13 | 3 56 | 24 51 | 2 27 | 0 3 | 0 44 | 12 27 | 5 11 | 23 10 | 0 14 | 7 14 | 0 58 | 1 34 | 2 5 | 20 13 | 0 32 | 10 55 | 1 47 | 22 54 | 9 58 | 22 51 | 22 49 | 23 4 | 16 43 | 6 13 |
| W14 | 3 33 | 23 40 | 3 20 | 0s43 | 0 37 | 12 28 | 5 2 | 23 12 | 0 13 | 7 9 | 0 58 | 1 31 | 2 5 | 20 13 | 0 32 | 10 55 | 1 47 | 22 55 | 9 58 | 22 50 | 22 49 | 23 6 | 16 42 | 6 14 |
| T 15 | 3 10 | 21 19 | 4 4 | 1 29 | 0 31 | 12 28 | 4 53 | 23 14 | 0 12 | 7 4 | 0 58 | 1 28 | 2 5 | 20 12 | 0 32 | 10 54 | 1 47 | 22 55 | 9 58 | 22 50 | 22 49 | 23 7 | 16 41 | 6 14 |
| F 16 | 2 47 | 17 53 | 4 37 | 2 14 | 0 24 | 12 29 | 4 44 | 23 15 | 0 11 | 7 0 | 0 58 | 1 25 | 2 5 | 20 12 | 0 32 | 10 54 | 1 47 | 22 55 | 9 58 | 22 49 | 22 48 | 23 9 | 16 41 | 6 15 |
| S 17 | 2 23 | 13 29 | 4 56 | 2 59 | 0 17 | 12 28 | 4 35 | 23 17 | 0 9 | 6 55 | 0 58 | 1 22 | 2 5 | 20 11 | 0 32 | 10 54 | 1 47 | 22 55 | 9 58 | 22 48 | 22 48 | 23 10 | 16 40 | 6 15 |
| S 18 | 2 0 | 8 21 | 5 0 | 3 44 | 0 10 | 12 27 | 4 27 | 23 18 | 0 8 | 6 50 | 0 58 | 1 19 | 2 5 | 20 11 | 0 32 | 10 53 | 1 47 | 22 56 | 9 58 | 22 46 | 22 48 | 23 12 | 16 39 | 6 16 |
| M19 | 1 37 | 2 41 | 4 47 | 4 28 | 0 2 | 12 26 | 4 18 | 23 20 | 0 7 | 6 45 | 0 59 | 1 16 | 2 5 | 20 10 | 0 32 | 10 53 | 1 47 | 22 56 | 9 58 | 22 45 | 22 48 | 23 13 | 16 38 | 6 17 |
| T 20 | 1 14 | 3s12 | 4 16 | 5 12 | 0s 5 | 12 24 | 4 9 | 23 21 | 0 5 | 6 40 | 0 59 | 1 13 | 2 5 | 20 9 | 0 32 | 10 52 | 1 47 | 22 56 | 9 57 | 22 44 | 22 47 | 23 14 | 16 37 | 6 17 |
| W21 | 0 50 | 9 1 | 3 29 | 5 55 | 0 12 | 12 21 | 4 0 | 23 22 | 0 4 | 6 35 | 0 59 | 1 10 | 2 5 | 20 9 | 0 32 | 10 52 | 1 47 | 22 57 | 9 57 | 22 43 | 22 47 | 23 16 | 16 37 | 6 18 |
| T 22 | 0 27 | 14 24 | 2 29 | 6 38 | 0 20 | 12 18 | 3 52 | 23 23 | 0 2 | 6 30 | 0 59 | 1 7 | 2 5 | 20 8 | 0 32 | 10 51 | 1 47 | 22 57 | 9 57 | 22 43 | 22 47 | 23 17 | 16 36 | 6 18 |
| F 23 | 0 4 | 19 1 | 1 20 | 7 20 | 0 27 | 12 15 | 3 43 | 23 24 | 0 1 | 6 25 | 0 59 | 1 4 | 2 5 | 20 8 | 0 32 | 10 51 | 1 47 | 22 57 | 9 57 | 22 42 | 22 46 | 23 19 | 16 35 | 6 19 |
| S 24 | 0s20 | 22 30 | 0 6 | 8 1 | 0 35 | 12 11 | 3 34 | 23 24 | 0n 0 | 6 20 | 0 59 | 1 1 | 2 5 | 20 7 | 0 32 | 10 50 | 1 47 | 22 57 | 9 57 | 22 42 | 22 46 | 23 20 | 16 34 | 6 19 |
| S 25 | 0 43 | 24 35 | 1s 9 | 8 42 | 0 42 | 12 6 | 3 26 | 23 25 | 0 2 | 6 15 | 0 59 | 0 58 | 2 5 | 20 7 | 0 32 | 10 50 | 1 47 | 22 58 | 9 57 | 22 42 | 22 46 | 23 21 | 16 34 | 6 20 |
| M26 | 1 6 | 25 5 | 2 19 | 9 22 | 0 50 | 12 1 | 3 17 | 23 26 | 0 3 | 6 10 | 0 59 | 0 55 | 2 5 | 20 6 | 0 32 | 10 49 | 1 47 | 22 58 | 9 57 | 22 42 | 22 45 | 23 23 | 16 33 | 6 21 |
| T 27 | 1 30 | 23 59 | 3 20 | 10 2 | 0 57 | 11 55 | 3 9 | 23 26 | 0 5 | 6 5 | 0 59 | 0 53 | 2 5 | 20 6 | 0 32 | 10 49 | 1 47 | 22 58 | 9 57 | 22 42 | 22 45 | 23 24 | 16 32 | 6 21 |
| W28 | 1 53 | 21 26 | 4 9 | 10 41 | 1 5 | 11 49 | 3 1 | 23 27 | 0 6 | 6 1 | 0 59 | 0 50 | 2 6 | 20 6 | 0 32 | 10 48 | 1 47 | 22 58 | 9 57 | 22 42 | 22 45 | 23 26 | 16 31 | 6 22 |
| T 29 | 2 16 | 17 41 | 4 43 | 11 19 | 1 12 | 11 42 | 2 52 | 23 27 | 0 8 | 5 56 | 0 59 | 0 47 | 2 6 | 20 5 | 0 32 | 10 48 | 1 48 | 22 59 | 9 57 | 22 41 | 22 44 | 23 27 | 16 30 | 6 22 |
| F 30 | 2s40 | 13s 3 | 5s 0 | 11s56 | 1s20 | 11n35 | 2s44 | 23n27 | 0n 9 | 5n51 | 0n59 | 0n44 | 2n 6 | 20n 5 | 0n33 | 10n47 | 1s48 | 22s59 | 9s56 | 22n40 | 22n44 | 23n28 | 16n30 | 6s23 |

Julian Day Number = 2466032.5, Delta T = 71.71 sec
Ecliptic obliquity = 23°26'05, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°17'40, Lahiri = 24°24'40

# ASTRODIENST EPHEMERIS for the year 2039
# geocentric

## OCTOBER 2039 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 38 22 | 7♎41'12 | 21♓48 | 29♎13 | 22♌46 | 6♋30 | 17♍43 | 3♎ 7 | 2♌45 | 2°R52 | 23°R40 | 15°R29 | 16♊17 | 20♊38 | 12♋30 | S 1 |
| S 2 | 0 42 19 | 8°40'10 | 4♈58 | 0♏36 | 23°35 | 6°59 | 17°56 | 3°15 | 2°47 | 2♉50 | 23♒39 | 15♊17 | 16°14 | 20°44 | 12°32 | S 2 |
| M 3 | 0 46 15 | 9°39'09 | 17°53 | 1°57 | 24°25 | 7°27 | 18° 8 | 3°22 | 2°49 | 2°49 | 23°38 | 15° 6 | 16°11 | 20°51 | 12°34 | M 3 |
| T 4 | 0 50 12 | 10°38'10 | 0♉31 | 3°17 | 25°15 | 7°55 | 18°21 | 3°29 | 2°51 | 2°47 | 23°37 | 14°57 | 16° 7 | 20°58 | 12°35 | T 4 |
| W 5 | 0 54 8 | 11°37'14 | 12°54 | 4°36 | 26° 6 | 8°23 | 18°33 | 3°37 | 2°52 | 2°46 | 23°37 | 14°50 | 16° 4 | 21° 4 | 12°37 | W 5 |
| T 6 | 0 58 5 | 12°36'19 | 25° 3 | 5°54 | 26°58 | 8°51 | 18°46 | 3°44 | 2°54 | 2°44 | 23°36 | 14°45 | 16° 1 | 21°11 | 12°38 | T 6 |
| F 7 | 1 2 1 | 13°35'27 | 7♊ 0 | 7°10 | 27°50 | 9°18 | 18°58 | 3°52 | 2°56 | 2°43 | 23°35 | 14°43 | 15°58 | 21°18 | 12°40 | F 7 |
| S 8 | 1 5 58 | 14°34'37 | 18°51 | 8°25 | 28°43 | 9°45 | 19°10 | 3°59 | 2°58 | 2°41 | 23°34 | 14°D43 | 15°55 | 21°24 | 12°41 | S 8 |
| S 9 | 1 9 54 | 15°33'50 | 0♋38 | 9°38 | 29°37 | 10°12 | 19°23 | 4° 6 | 2°59 | 2°40 | 23°34 | 14°44 | 15°52 | 21°31 | 12°42 | S 9 |
| M10 | 1 13 51 | 16°33'05 | 12°28 | 10°50 | 0♍31 | 10°38 | 19°35 | 4°14 | 3° 1 | 2°38 | 23°33 | 14°R45 | 15°48 | 21°38 | 12°43 | M10 |
| T 11 | 1 17 48 | 17°32'22 | 24°25 | 12° 0 | 1°27 | 11° 4 | 19°47 | 4°21 | 3° 3 | 2°36 | 23°32 | 14°44 | 15°45 | 21°44 | 12°44 | T 11 |
| W12 | 1 21 44 | 18°31'41 | 6♌36 | 13° 8 | 2°22 | 11°29 | 19°59 | 4°28 | 3° 4 | 2°35 | 23°32 | 14°43 | 15°42 | 21°51 | 12°45 | W12 |
| T 13 | 1 25 41 | 19°31'03 | 19° 5 | 14°14 | 3°18 | 11°55 | 20°12 | 4°36 | 3° 6 | 2°33 | 23°31 | 14°39 | 15°39 | 21°58 | 12°46 | T 13 |
| F 14 | 1 29 37 | 20°30'27 | 1♍55 | 15°18 | 4°15 | 12°19 | 20°24 | 4°43 | 3° 7 | 2°32 | 23°30 | 14°33 | 15°36 | 22° 4 | 12°47 | F 14 |
| S 15 | 1 33 34 | 21°29'53 | 15°10 | 16°19 | 5°12 | 12°44 | 20°36 | 4°50 | 3° 8 | 2°30 | 23°30 | 14°25 | 15°33 | 22°11 | 12°48 | S 15 |
| S 16 | 1 37 30 | 22°29'21 | 28°49 | 17°18 | 6°10 | 13° 8 | 20°48 | 4°57 | 3°10 | 2°28 | 23°29 | 14°16 | 15°29 | 22°17 | 12°49 | S 16 |
| M17 | 1 41 27 | 23°28'52 | 12♎51 | 18°14 | 7° 9 | 13°31 | 21° 0 | 5° 5 | 3°11 | 2°27 | 23°29 | 14° 7 | 15°26 | 22°24 | 12°49 | M17 |
| T 18 | 1 45 23 | 24°28'24 | 27°11 | 19° 6 | 8° 7 | 13°54 | 21°12 | 5°12 | 3°12 | 2°25 | 23°28 | 14° 0 | 15°23 | 22°31 | 12°50 | T 18 |
| W19 | 1 49 20 | 25°27'59 | 11♏44 | 19°56 | 9° 7 | 14°17 | 21°23 | 5°19 | 3°13 | 2°23 | 23°28 | 13°54 | 15°20 | 22°37 | 12°50 | W19 |
| T 20 | 1 53 17 | 26°27'36 | 26°23 | 20°41 | 10° 6 | 14°39 | 21°35 | 5°26 | 3°14 | 2°22 | 23°27 | 13°50 | 15°17 | 22°44 | 12°50 | T 20 |
| F 21 | 1 57 13 | 27°27'14 | 11♐ 1 | 21°22 | 11° 6 | 15° 1 | 21°47 | 5°33 | 3°15 | 2°20 | 23°27 | 13°D49 | 15°13 | 22°51 | 12°50 | F 21 |
| S 22 | 2 1 10 | 28°26'55 | 25°33 | 21°59 | 12° 7 | 15°23 | 21°59 | 5°40 | 3°16 | 2°18 | 23°26 | 13°50 | 15°10 | 22°57 | 12°51 | S 22 |
| S 23 | 2 5 6 | 29°26'37 | 9♑54 | 22°30 | 13° 8 | 15°44 | 22°10 | 5°47 | 3°17 | 2°17 | 23°26 | 13°51 | 15° 7 | 23° 4 | 12°R51 | S 23 |
| M24 | 2 9 3 | 0♏26'20 | 24° 2 | 22°56 | 14° 9 | 16° 4 | 22°22 | 5°54 | 3°18 | 2°15 | 23°26 | 13°R52 | 15° 4 | 23°11 | 12°51 | M24 |
| T 25 | 2 12 59 | 1°26'06 | 7♒57 | 23°15 | 15°11 | 16°24 | 22°33 | 6° 1 | 3°19 | 2°13 | 23°25 | 13°52 | 15° 1 | 23°17 | 12°50 | T 25 |
| W26 | 2 16 56 | 2°25'53 | 21°38 | 23°28 | 16°13 | 16°43 | 22°45 | 6° 8 | 3°20 | 2°12 | 23°25 | 13°50 | 14°58 | 23°24 | 12°50 | W26 |
| T 27 | 2 20 52 | 3°25'41 | 5♓ 5 | 23°R33 | 17°16 | 17° 2 | 22°56 | 6°15 | 3°21 | 2°10 | 23°25 | 13°46 | 14°54 | 23°31 | 12°50 | T 27 |
| F 28 | 2 24 49 | 4°25'32 | 18°18 | 23°30 | 18°18 | 17°21 | 23° 7 | 6°22 | 3°21 | 2° 8 | 23°24 | 13°41 | 14°51 | 23°37 | 12°49 | F 28 |
| S 29 | 2 28 46 | 5°25'24 | 1♈19 | 23°19 | 19°22 | 17°39 | 23°18 | 6°29 | 3°22 | 2° 6 | 23°24 | 13°35 | 14°48 | 23°44 | 12°49 | S 29 |
| S 30 | 2 32 42 | 6°25'17 | 14° 7 | 22°59 | 20°25 | 17°56 | 23°30 | 6°36 | 3°22 | 2° 5 | 23°24 | 13°28 | 14°45 | 23°51 | 12°48 | S 30 |
| M31 | 2 36 39 | 7♏25'13 | 26♈42 | 22♏29 | 21♍29 | 18♋13 | 23♍41 | 6♎42 | 3♌23 | 2♉ 3 | 23♒24 | 13♊22 | 14♊42 | 23♊57 | 12♋48 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3s 3 | 7s51 | 5s 1 | 12s33 | 1s27 | 11n28 | 2s36 | 23n27 | 0n11 | 5n46 | 1n 0 | 0n41 | 2n 6 | 20n 4 | 0n33 | 10n47 | 1s48 | 22s59 | 9s56 | 22n39 | 22n44 | 23n30 | 16n29 | 6s24 |
| S 2 | 3 26 | 2 23 | 4 45 | 13 9 | 1 34 | 11 19 | 2 28 | 23 27 | 0 12 | 5 41 | 1 0 | 0 38 | 2 6 | 20 4 | 0 33 | 10 46 | 1 48 | 22 59 | 9 56 | 22 37 | 22 43 | 23 31 | 16 28 | 6 24 |
| M 3 | 3 49 | 3n 5 | 4 15 | 13 44 | 1 41 | 11 11 | 2 20 | 23 28 | 0 14 | 5 36 | 1 0 | 0 35 | 2 6 | 20 3 | 0 33 | 10 46 | 1 48 | 22 59 | 9 56 | 22 36 | 22 43 | 23 32 | 16 27 | 6 25 |
| T 4 | 4 13 | 8 20 | 3 33 | 14 18 | 1 48 | 11 1 | 2 13 | 23 27 | 0 16 | 5 32 | 1 0 | 0 32 | 2 6 | 20 3 | 0 33 | 10 45 | 1 48 | 22 59 | 9 56 | 22 35 | 22 43 | 23 34 | 16 27 | 6 25 |
| W 5 | 4 36 | 13 9 | 2 41 | 14 52 | 1 55 | 10 52 | 2 5 | 23 27 | 0 17 | 5 27 | 1 0 | 0 29 | 2 6 | 20 3 | 0 33 | 10 45 | 1 48 | 23 0 | 9 56 | 22 34 | 22 42 | 23 35 | 16 26 | 6 26 |
| T 6 | 4 59 | 17 21 | 1 43 | 15 24 | 2 2 | 10 41 | 1 57 | 23 27 | 0 19 | 5 22 | 1 0 | 0 26 | 2 6 | 20 2 | 0 33 | 10 44 | 1 48 | 23 0 | 9 56 | 22 34 | 22 42 | 23 36 | 16 25 | 6 27 |
| F 7 | 5 22 | 20 48 | 0 41 | 15 56 | 2 9 | 10 30 | 1 50 | 23 27 | 0 21 | 5 17 | 1 0 | 0 24 | 2 6 | 20 2 | 0 33 | 10 43 | 1 48 | 23 0 | 9 55 | 22 34 | 22 42 | 23 38 | 16 24 | 6 27 |
| S 8 | 5 45 | 23 20 | 0n22 | 16 26 | 2 15 | 10 19 | 1 42 | 23 27 | 0 22 | 5 12 | 1 0 | 0 21 | 2 6 | 20 1 | 0 33 | 10 43 | 1 48 | 23 0 | 9 55 | 22 34 | 22 41 | 23 39 | 16 24 | 6 28 |
| S 9 | 6 8 | 24 50 | 1 24 | 16 56 | 2 21 | 10 7 | 1 35 | 23 26 | 0 24 | 5 8 | 1 0 | 0 18 | 2 6 | 20 1 | 0 33 | 10 42 | 1 48 | 23 0 | 9 55 | 22 34 | 22 41 | 23 40 | 16 23 | 6 29 |
| M10 | 6 30 | 25 14 | 2 23 | 17 24 | 2 27 | 9 55 | 1 28 | 23 26 | 0 26 | 5 3 | 1 0 | 0 15 | 2 6 | 20 1 | 0 33 | 10 42 | 1 48 | 23 0 | 9 55 | 22 34 | 22 41 | 23 42 | 16 22 | 6 29 |
| T 11 | 6 53 | 24 27 | 3 16 | 17 51 | 2 33 | 9 42 | 1 20 | 23 26 | 0 27 | 4 58 | 1 1 | 0 12 | 2 6 | 20 0 | 0 33 | 10 41 | 1 48 | 23 0 | 9 55 | 22 34 | 22 40 | 23 43 | 16 21 | 6 30 |
| W12 | 7 16 | 22 31 | 4 2 | 18 18 | 2 38 | 9 29 | 1 13 | 23 25 | 0 29 | 4 54 | 1 1 | 0 9 | 2 6 | 20 0 | 0 33 | 10 41 | 1 48 | 23 0 | 9 55 | 22 34 | 22 40 | 23 44 | 16 21 | 6 30 |
| T 13 | 7 38 | 19 29 | 4 37 | 18 42 | 2 43 | 9 15 | 1 7 | 23 25 | 0 31 | 4 49 | 1 1 | 0 7 | 2 6 | 20 0 | 0 33 | 10 40 | 1 48 | 23 0 | 9 55 | 22 33 | 22 40 | 23 45 | 16 20 | 6 31 |
| F 14 | 8 1 | 15 27 | 4 59 | 19 6 | 2 48 | 9 1 | 1 0 | 23 24 | 0 33 | 4 44 | 1 1 | 0 4 | 2 7 | 20 0 | 0 33 | 10 39 | 1 48 | 23 0 | 9 54 | 22 32 | 22 39 | 23 47 | 16 19 | 6 32 |
| S 15 | 8 23 | 10 33 | 5 7 | 19 28 | 2 53 | 8 47 | 0 53 | 23 24 | 0 35 | 4 40 | 1 1 | 0 1 | 2 7 | 19 59 | 0 33 | 10 39 | 1 48 | 23 0 | 9 54 | 22 31 | 22 39 | 23 48 | 16 19 | 6 32 |
| S 16 | 8 45 | 5 1 | 4 57 | 19 49 | 2 57 | 8 32 | 0 46 | 23 24 | 0 36 | 4 35 | 1 1 | 0s 2 | 2 7 | 19 59 | 0 33 | 10 38 | 1 48 | 23 0 | 9 54 | 22 30 | 22 39 | 23 49 | 16 18 | 6 33 |
| M17 | 9 7 | 0s56 | 4 29 | 20 8 | 3 0 | 8 16 | 0 40 | 23 23 | 0 38 | 4 30 | 1 1 | 0 5 | 2 7 | 19 59 | 0 33 | 10 38 | 1 48 | 23 1 | 9 54 | 22 29 | 22 38 | 23 50 | 16 17 | 6 34 |
| T 18 | 9 29 | 6 59 | 3 44 | 20 26 | 3 3 | 8 0 | 0 34 | 23 23 | 0 40 | 4 26 | 1 1 | 0 7 | 2 7 | 19 58 | 0 33 | 10 37 | 1 48 | 23 1 | 9 54 | 22 29 | 22 38 | 23 52 | 16 17 | 6 34 |
| W19 | 9 51 | 12 45 | 2 44 | 20 42 | 3 6 | 7 44 | 0 27 | 23 22 | 0 42 | 4 21 | 1 2 | 0 10 | 2 7 | 19 58 | 0 33 | 10 37 | 1 48 | 23 1 | 9 53 | 22 28 | 22 38 | 23 53 | 16 16 | 6 35 |
| T 20 | 10 12 | 17 50 | 1 33 | 20 56 | 3 7 | 7 27 | 0 21 | 23 22 | 0 44 | 4 17 | 1 2 | 0 13 | 2 7 | 19 58 | 0 33 | 10 36 | 1 48 | 23 1 | 9 53 | 22 27 | 22 37 | 23 54 | 16 15 | 6 35 |
| F 21 | 10 34 | 21 50 | 0 15 | 21 8 | 3 9 | 7 10 | 0 15 | 23 21 | 0 46 | 4 12 | 1 2 | 0 15 | 2 7 | 19 58 | 0 33 | 10 35 | 1 48 | 23 1 | 9 53 | 22 27 | 22 37 | 23 55 | 16 15 | 6 36 |
| S 22 | 10 55 | 24 25 | 1s 3 | 21 18 | 3 9 | 6 52 | 0 9 | 23 21 | 0 48 | 4 8 | 1 2 | 0 18 | 2 7 | 19 58 | 0 33 | 10 35 | 1 48 | 23 0 | 9 53 | 22 27 | 22 37 | 23 57 | 16 14 | 6 37 |
| S 23 | 11 16 | 25 20 | 2 17 | 21 26 | 3 8 | 6 34 | 0 3 | 23 20 | 0 50 | 4 3 | 1 2 | 0 21 | 2 7 | 19 57 | 0 33 | 10 34 | 1 48 | 23 0 | 9 53 | 22 27 | 22 36 | 23 58 | 16 13 | 6 37 |
| M24 | 11 37 | 24 35 | 3 21 | 21 31 | 3 7 | 6 16 | 0n 2 | 23 20 | 0 52 | 3 59 | 1 2 | 0 24 | 2 8 | 19 57 | 0 33 | 10 34 | 1 48 | 23 0 | 9 53 | 22 28 | 22 36 | 23 59 | 16 13 | 6 38 |
| T 25 | 11 58 | 22 20 | 4 12 | 21 33 | 3 4 | 5 57 | 0 8 | 23 19 | 0 54 | 3 55 | 1 2 | 0 26 | 2 8 | 19 57 | 0 33 | 10 33 | 1 48 | 23 0 | 9 52 | 22 28 | 22 36 | 24 0 | 16 12 | 6 39 |
| W26 | 12 19 | 18 49 | 4 47 | 21 33 | 3 1 | 5 38 | 0 13 | 23 19 | 0 56 | 3 50 | 1 3 | 0 29 | 2 8 | 19 57 | 0 33 | 10 33 | 1 48 | 23 0 | 9 52 | 22 27 | 22 35 | 24 2 | 16 12 | 6 39 |
| T 27 | 12 39 | 14 24 | 5 7 | 21 30 | 2 56 | 5 19 | 0 19 | 23 19 | 0 58 | 3 46 | 1 3 | 0 31 | 2 8 | 19 57 | 0 33 | 10 32 | 1 48 | 23 0 | 9 52 | 22 27 | 22 35 | 24 3 | 16 11 | 6 40 |
| F 28 | 13 0 | 9 22 | 5 9 | 21 23 | 2 50 | 4 59 | 0 24 | 23 19 | 1 1 | 3 42 | 1 3 | 0 34 | 2 8 | 19 57 | 0 34 | 10 31 | 1 48 | 23 0 | 9 52 | 22 26 | 22 34 | 24 4 | 16 10 | 6 40 |
| S 29 | 13 20 | 4 0 | 4 56 | 21 12 | 2 42 | 4 39 | 0 29 | 23 18 | 1 3 | 3 37 | 1 3 | 0 37 | 2 8 | 19 57 | 0 34 | 10 31 | 1 48 | 23 0 | 9 52 | 22 26 | 22 34 | 24 5 | 16 10 | 6 41 |
| S 30 | 13 39 | 1n27 | 4 27 | 20 58 | 2 32 | 4 19 | 0 34 | 23 18 | 1 5 | 3 33 | 1 3 | 0 39 | 2 8 | 19 57 | 0 34 | 10 30 | 1 48 | 23 0 | 9 51 | 22 25 | 22 34 | 24 6 | 16 9 | 6 42 |
| M31 | 13s59 | 6n46 | 3s47 | 20s40 | 2s21 | 3n58 | 0n39 | 23n18 | 1n 7 | 3n29 | 1n 3 | 0s42 | 2n 8 | 19n56 | 0n34 | 10n30 | 1s48 | 23s 0 | 9s51 | 22n24 | 22n33 | 24n 8 | 16n 9 | 6s42 |

Julian Day Number = 2466062.5, Delta T = 71.73 sec
Ecliptic obliquity = 23°26'06, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°17'44, Lahiri = 24°24'44

# ASTRODIENST EPHEMERIS for the year 2039
# geocentric

## NOVEMBER 2039 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 40 35 | 8♏25'10 | 9♉ 5 | 21°R50 | 22♍33 | 18♋30 | 23♍52 | 6♎49 | 3♌23 | 2°R 1 | 23°R24 | 13°R16 | 14♊39 | 24♊ 4 | 12°R47 | T 1 |
| W 2 | 2 44 32 | 9°25'10 | 21°16 | 21♏ 2 | 23°38 | 18°45 | 24° 2 | 6°56 | 3°24 | 2♉ 0 | 23♒23 | 13♊12 | 14°35 | 24°10 | 12♋46 | W 2 |
| T 3 | 2 48 28 | 10°25'11 | 3♊17 | 20° 5 | 24°42 | 19° 1 | 24°13 | 7° 2 | 3°24 | 1°58 | 23°23 | 13°10 | 14°32 | 24°17 | 12°45 | T 3 |
| F 4 | 2 52 25 | 11°25'14 | 15°11 | 19° 0 | 25°47 | 19°15 | 24°24 | 7° 9 | 3°25 | 1°56 | 23°23 | 13°D10 | 14°29 | 24°24 | 12°44 | F 4 |
| S 5 | 2 56 21 | 12°25'20 | 26°59 | 17°49 | 26°53 | 19°29 | 24°35 | 7°16 | 3°25 | 1°55 | 23°23 | 13°11 | 14°26 | 24°30 | 12°43 | S 5 |
| S 6 | 3 0 18 | 13°25'27 | 8♋46 | 16°33 | 27°58 | 19°43 | 24°45 | 7°22 | 3°25 | 1°53 | 23°23 | 13°12 | 14°23 | 24°37 | 12°42 | S 6 |
| M 7 | 3 4 15 | 14°25'36 | 20°35 | 15°15 | 29° 4 | 19°55 | 24°56 | 7°29 | 3°25 | 1°52 | 23°D23 | 13°14 | 14°19 | 24°44 | 12°41 | M 7 |
| T 8 | 3 8 11 | 15°25'48 | 2♌31 | 13°56 | 0♎10 | 20° 8 | 25° 6 | 7°35 | 3°25 | 1°50 | 23°23 | 13°16 | 14°16 | 24°50 | 12°39 | T 8 |
| W 9 | 3 12 8 | 16°26'01 | 14°40 | 12°39 | 1°17 | 20°19 | 25°16 | 7°41 | 3°R25 | 1°48 | 23°23 | 13°R16 | 14°13 | 24°57 | 12°38 | W 9 |
| T 10 | 3 16 4 | 17°26'17 | 27° 5 | 11°28 | 2°24 | 20°30 | 25°26 | 7°48 | 3°25 | 1°47 | 23°23 | 13°16 | 14°10 | 25° 4 | 12°36 | T 10 |
| F 11 | 3 20 1 | 18°26'34 | 9♍52 | 10°23 | 3°30 | 20°40 | 25°37 | 7°54 | 3°25 | 1°45 | 23°23 | 13°14 | 14° 7 | 25°10 | 12°35 | F 11 |
| S 12 | 3 23 57 | 19°26'54 | 23° 4 | 9°28 | 4°38 | 20°50 | 25°47 | 8° 0 | 3°25 | 1°43 | 23°24 | 13°12 | 14° 4 | 25°17 | 12°33 | S 12 |
| S 13 | 3 27 54 | 20°27'15 | 6♎43 | 8°42 | 5°45 | 20°58 | 25°57 | 8° 6 | 3°25 | 1°42 | 23°24 | 13° 9 | 14° 0 | 25°24 | 12°31 | S 13 |
| M14 | 3 31 50 | 21°27'38 | 20°49 | 8° 8 | 6°53 | 21° 7 | 26° 6 | 8°12 | 3°24 | 1°40 | 23°24 | 13° 5 | 13°57 | 25°30 | 12°30 | M14 |
| T 15 | 3 35 47 | 22°28'03 | 5♏19 | 7°46 | 8° 0 | 21°14 | 26°16 | 8°18 | 3°24 | 1°39 | 23°24 | 13° 3 | 13°54 | 25°37 | 12°28 | T 15 |
| W16 | 3 39 44 | 23°28'30 | 20° 8 | 7°D35 | 9° 8 | 21°20 | 26°26 | 8°24 | 3°24 | 1°37 | 23°24 | 13° 0 | 13°51 | 25°44 | 12°26 | W16 |
| T 17 | 3 43 40 | 24°28'58 | 5♐ 7 | 7°36 | 10°17 | 21°26 | 26°35 | 8°30 | 3°23 | 1°36 | 23°25 | 12°59 | 13°48 | 25°50 | 12°24 | T 17 |
| F 18 | 3 47 37 | 25°29'29 | 20° 9 | 7°47 | 11°25 | 21°31 | 26°45 | 8°36 | 3°23 | 1°34 | 23°25 | 12°D59 | 13°45 | 25°57 | 12°22 | F 18 |
| S 19 | 3 51 33 | 26°30'00 | 5♑ 5 | 8° 8 | 12°34 | 21°36 | 26°54 | 8°42 | 3°22 | 1°33 | 23°25 | 13° 0 | 13°41 | 26° 3 | 12°19 | S 19 |
| S 20 | 3 55 30 | 27°30'33 | 19°48 | 8°39 | 13°42 | 21°39 | 27° 3 | 8°48 | 3°22 | 1°31 | 23°26 | 13° 1 | 13°38 | 26°10 | 12°17 | S 20 |
| M21 | 3 59 26 | 28°31'07 | 4♒12 | 9°18 | 14°51 | 21°42 | 27°12 | 8°54 | 3°21 | 1°30 | 23°26 | 13° 2 | 13°35 | 26°17 | 12°15 | M21 |
| T 22 | 4 3 23 | 29°31'43 | 18°16 | 10° 4 | 16° 0 | 21°44 | 27°21 | 8°59 | 3°20 | 1°28 | 23°26 | 13° 3 | 13°32 | 26°23 | 12°12 | T 22 |
| W23 | 4 7 19 | 0♐32'19 | 1♓58 | 10°57 | 17°10 | 21°45 | 27°30 | 9° 5 | 3°20 | 1°27 | 23°27 | 13°R 3 | 13°29 | 26°30 | 12°10 | W23 |
| T 24 | 4 11 16 | 1°32'57 | 15°18 | 11°55 | 18°19 | 21°R45 | 27°39 | 9°10 | 3°19 | 1°25 | 23°27 | 13° 3 | 13°25 | 26°37 | 12° 7 | T 24 |
| F 25 | 4 15 13 | 2°33'35 | 28°20 | 12°58 | 19°29 | 21°45 | 27°47 | 9°16 | 3°18 | 1°24 | 23°28 | 13° 2 | 13°22 | 26°43 | 12° 5 | F 25 |
| S 26 | 4 19 9 | 3°34'15 | 11♈ 4 | 14° 6 | 20°38 | 21°43 | 27°56 | 9°21 | 3°17 | 1°23 | 23°28 | 13° 1 | 13°19 | 26°50 | 12° 2 | S 26 |
| S 27 | 4 23 6 | 4°34'56 | 23°34 | 15°17 | 21°48 | 21°41 | 28° 4 | 9°26 | 3°16 | 1°21 | 23°29 | 13° 0 | 13°16 | 26°57 | 11°59 | S 27 |
| M28 | 4 27 2 | 5°35'38 | 5♉52 | 16°32 | 22°58 | 21°38 | 28°13 | 9°31 | 3°15 | 1°20 | 23°29 | 12°59 | 13°13 | 27° 3 | 11°56 | M28 |
| T 29 | 4 30 59 | 6°36'21 | 17°59 | 17°49 | 24° 9 | 21°34 | 28°21 | 9°37 | 3°14 | 1°19 | 23°30 | 12°58 | 13°10 | 27°10 | 11°53 | T 29 |
| W30 | 4 34 55 | 7♐37'06 | 29♉59 | 19♏ 9 | 25♎19 | 21♋30 | 28♍29 | 9♎42 | 3♌13 | 1♉17 | 23♒30 | 12♊57 | 13♊ 6 | 27♊17 | 11♋51 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ♁ | ♁ | ☾ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 14s19 | 11n45 | 2s55 | 20s18 | 2s 9 | 3n37 | 0n43 | 23n18 | 1n 9 | 3n25 | 1n 3 | 0s44 | 2n 9 | 19n56 | 0n34 | 10n29 | 1s48 | 23s 0 | 9s51 | 22n23 | 22n33 | 24n 9 | 16n 8 | 6s43 | T 1 |
| W 2 | 14 38 | 16 11 | 1 57 | 19 51 | 1 54 | 3 16 | 0 48 | 23 18 | 1 12 | 3 20 | 1 4 | 0 47 | 2 9 | 19 56 | 0 34 | 10 29 | 1 48 | 23 0 | 9 51 | 22 23 | 22 33 | 24 10 | 16 8 | 6 43 | W 2 |
| T 3 | 14 57 | 19 56 | 0 54 | 19 20 | 1 38 | 2 54 | 0 53 | 23 18 | 1 14 | 3 16 | 1 4 | 0 49 | 2 9 | 19 56 | 0 34 | 10 28 | 1 48 | 22 59 | 9 51 | 22 23 | 22 32 | 24 11 | 16 7 | 6 44 | T 3 |
| F 4 | 15 15 | 22 48 | 0n11 | 18 45 | 1 20 | 2 33 | 0 57 | 23 19 | 1 16 | 3 12 | 1 4 | 0 52 | 2 9 | 19 56 | 0 34 | 10 27 | 1 48 | 22 59 | 9 50 | 22 22 | 22 32 | 24 12 | 16 7 | 6 45 | F 4 |
| S 5 | 15 34 | 24 39 | 1 15 | 18 7 | 1 2 | 2 11 | 1 1 | 23 19 | 1 19 | 3 8 | 1 4 | 0 54 | 2 9 | 19 56 | 0 34 | 10 27 | 1 48 | 22 59 | 9 50 | 22 23 | 22 32 | 24 13 | 16 6 | 6 45 | S 5 |
| S 6 | 15 52 | 25 24 | 2 16 | 17 27 | 0 42 | 1 48 | 1 5 | 23 19 | 1 21 | 3 4 | 1 4 | 0 57 | 2 9 | 19 56 | 0 34 | 10 26 | 1 48 | 22 59 | 9 50 | 22 23 | 22 31 | 24 14 | 16 6 | 6 46 | S 6 |
| M 7 | 16 10 | 25 1 | 3 11 | 16 44 | 0 21 | 1 26 | 1 9 | 23 20 | 1 24 | 3 0 | 1 4 | 0 59 | 2 9 | 19 56 | 0 34 | 10 26 | 1 48 | 22 59 | 9 50 | 22 23 | 22 31 | 24 16 | 16 5 | 6 46 | M 7 |
| T 8 | 16 28 | 23 28 | 3 59 | 16 1 | 0 0 | 1 3 | 1 13 | 23 21 | 1 26 | 2 56 | 1 5 | 1 1 | 2 10 | 19 56 | 0 34 | 10 25 | 1 48 | 22 58 | 9 50 | 22 23 | 22 30 | 24 17 | 16 5 | 6 47 | T 8 |
| W 9 | 16 45 | 20 50 | 4 37 | 15 19 | 0n20 | 0 40 | 1 17 | 23 21 | 1 28 | 2 52 | 1 5 | 1 4 | 2 10 | 19 56 | 0 34 | 10 25 | 1 48 | 22 58 | 9 49 | 22 23 | 22 30 | 24 18 | 16 4 | 6 48 | W 9 |
| T 10 | 17 2 | 17 13 | 5 3 | 14 38 | 0 40 | 0 17 | 1 20 | 23 22 | 1 31 | 2 48 | 1 5 | 1 6 | 2 10 | 19 56 | 0 34 | 10 24 | 1 48 | 22 58 | 9 49 | 22 23 | 22 30 | 24 19 | 16 4 | 6 48 | T 10 |
| F 11 | 17 19 | 12 43 | 5 14 | 14 1 | 0 58 | 0s 7 | 1 24 | 23 23 | 1 34 | 2 44 | 1 5 | 1 8 | 2 10 | 19 56 | 0 34 | 10 24 | 1 48 | 22 58 | 9 49 | 22 23 | 22 29 | 24 20 | 16 3 | 6 49 | F 11 |
| S 12 | 17 35 | 7 30 | 5 10 | 13 27 | 1 15 | 0 30 | 1 27 | 23 24 | 1 36 | 2 41 | 1 5 | 1 11 | 2 10 | 19 56 | 0 34 | 10 23 | 1 48 | 22 58 | 9 49 | 22 23 | 22 29 | 24 21 | 16 3 | 6 49 | S 12 |
| S 13 | 17 52 | 1 45 | 4 49 | 12 58 | 1 30 | 0 54 | 1 31 | 23 25 | 1 39 | 2 37 | 1 5 | 1 13 | 2 10 | 19 57 | 0 34 | 10 23 | 1 48 | 22 57 | 9 49 | 22 22 | 22 29 | 24 22 | 16 3 | 6 50 | S 13 |
| M14 | 18 7 | 4s16 | 4 10 | 12 35 | 1 44 | 1 18 | 1 34 | 23 27 | 1 41 | 2 33 | 1 6 | 1 15 | 2 11 | 19 57 | 0 34 | 10 22 | 1 48 | 22 57 | 9 48 | 22 22 | 22 28 | 24 23 | 16 2 | 6 50 | M14 |
| T 15 | 18 23 | 10 15 | 3 13 | 12 17 | 1 55 | 1 42 | 1 37 | 23 28 | 1 44 | 2 29 | 1 6 | 1 17 | 2 11 | 19 57 | 0 34 | 10 22 | 1 48 | 22 57 | 9 48 | 22 22 | 22 28 | 24 25 | 16 2 | 6 51 | T 15 |
| W16 | 18 38 | 15 48 | 2 3 | 12 4 | 2 5 | 2 6 | 1 40 | 23 30 | 1 47 | 2 26 | 1 6 | 1 20 | 2 11 | 19 57 | 0 34 | 10 21 | 1 48 | 22 57 | 9 48 | 22 21 | 22 27 | 24 26 | 16 1 | 6 52 | W16 |
| T 17 | 18 53 | 20 26 | 0 43 | 11 57 | 2 12 | 2 30 | 1 42 | 23 32 | 1 49 | 2 22 | 1 6 | 1 22 | 2 11 | 19 57 | 0 34 | 10 20 | 1 48 | 22 56 | 9 48 | 22 21 | 22 27 | 24 27 | 16 1 | 6 52 | T 17 |
| F 18 | 19 8 | 23 44 | 0s40 | 11 56 | 2 18 | 2 54 | 1 45 | 23 33 | 1 52 | 2 19 | 1 6 | 1 24 | 2 11 | 19 57 | 0 34 | 10 20 | 1 48 | 22 56 | 9 48 | 22 21 | 22 27 | 24 28 | 16 1 | 6 53 | F 18 |
| S 19 | 19 22 | 25 20 | 1 59 | 11 59 | 2 22 | 3 19 | 1 47 | 23 35 | 1 55 | 2 15 | 1 7 | 1 26 | 2 12 | 19 57 | 0 34 | 10 19 | 1 48 | 22 56 | 9 47 | 22 21 | 22 26 | 24 29 | 16 0 | 6 53 | S 19 |
| S 20 | 19 36 | 25 7 | 3 10 | 12 6 | 2 24 | 3 43 | 1 50 | 23 38 | 1 57 | 2 12 | 1 7 | 1 28 | 2 12 | 19 57 | 0 34 | 10 19 | 1 48 | 22 55 | 9 47 | 22 21 | 22 26 | 24 30 | 16 0 | 6 54 | S 20 |
| M21 | 19 50 | 23 12 | 4 7 | 12 17 | 2 26 | 4 8 | 1 52 | 23 40 | 2 0 | 2 8 | 1 7 | 1 30 | 2 12 | 19 58 | 0 34 | 10 19 | 1 48 | 22 55 | 9 47 | 22 22 | 22 26 | 24 31 | 16 0 | 6 54 | M21 |
| T 22 | 20 3 | 19 55 | 4 48 | 12 32 | 2 26 | 4 32 | 1 54 | 23 42 | 2 3 | 2 5 | 1 7 | 1 32 | 2 12 | 19 58 | 0 34 | 10 18 | 1 48 | 22 55 | 9 47 | 22 22 | 22 25 | 24 32 | 15 59 | 6 55 | T 22 |
| W23 | 20 16 | 15 37 | 5 11 | 12 49 | 2 24 | 4 57 | 1 56 | 23 45 | 2 6 | 2 1 | 1 7 | 1 34 | 2 12 | 19 58 | 0 34 | 10 18 | 1 48 | 22 54 | 9 47 | 22 22 | 22 25 | 24 33 | 15 59 | 6 55 | W23 |
| T 24 | 20 28 | 10 39 | 5 17 | 13 9 | 2 22 | 5 21 | 1 58 | 23 48 | 2 9 | 1 58 | 1 8 | 1 36 | 2 13 | 19 58 | 0 35 | 10 17 | 1 48 | 22 54 | 9 46 | 22 22 | 22 24 | 24 34 | 15 59 | 6 56 | T 24 |
| F 25 | 20 40 | 5 21 | 5 6 | 13 31 | 2 19 | 5 46 | 2 0 | 23 51 | 2 12 | 1 55 | 1 8 | 1 38 | 2 13 | 19 58 | 0 35 | 10 17 | 1 47 | 22 54 | 9 46 | 22 22 | 22 24 | 24 35 | 15 59 | 6 56 | F 25 |
| S 26 | 20 52 | 0n 5 | 4 40 | 13 55 | 2 15 | 6 11 | 2 2 | 23 54 | 2 15 | 1 52 | 1 8 | 1 40 | 2 13 | 19 59 | 0 35 | 10 16 | 1 47 | 22 53 | 9 46 | 22 21 | 22 24 | 24 36 | 15 58 | 6 57 | S 26 |
| S 27 | 21 3 | 5 25 | 4 1 | 14 20 | 2 11 | 6 35 | 2 3 | 23 57 | 2 17 | 1 49 | 1 8 | 1 42 | 2 13 | 19 59 | 0 35 | 10 16 | 1 47 | 22 53 | 9 46 | 22 21 | 22 23 | 24 37 | 15 58 | 6 57 | S 27 |
| M28 | 21 14 | 10 27 | 3 12 | 14 46 | 2 6 | 7 0 | 2 5 | 24 0 | 2 20 | 1 46 | 1 8 | 1 44 | 2 13 | 19 59 | 0 35 | 10 15 | 1 47 | 22 53 | 9 46 | 22 21 | 22 23 | 24 38 | 15 58 | 6 58 | M28 |
| T 29 | 21 24 | 15 2 | 2 14 | 15 12 | 2 1 | 7 25 | 2 6 | 24 4 | 2 23 | 1 43 | 1 9 | 1 46 | 2 14 | 20 0 | 0 35 | 10 15 | 1 47 | 22 52 | 9 45 | 22 21 | 22 22 | 24 39 | 15 58 | 6 58 | T 29 |
| W30 | 21s35 | 18n59 | 1s12 | 15s40 | 1n55 | 7s49 | 2n 7 | 24n 7 | 2n26 | 1n40 | 1n 9 | 1s47 | 2n14 | 20n 0 | 0n35 | 10n15 | 1s47 | 22s52 | 9s45 | 22n21 | 22n22 | 24n40 | 15n58 | 6s58 | W30 |

Julian Day Number = 2466093.5, Delta T = 71.76 sec
Ecliptic obliquity = 23°26'05, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°17'48, Lahiri = 24°24'49

# ASTRODIENST EPHEMERIS for the year 2039
# geocentric

## DECEMBER 2039 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 38 52 | 8♐37'51 | 11♊52 | 20♏31 | 26♎29 | 21°R24 | 28♍37 | 9♎47 | 3°R12 | 1°R16 | 23♒31 | 12°D57 | 13♊ 3 | 27♊23 | 11°R48 | T 1 |
| F 2 | 4 42 48 | 9°38'38 | 23°42 | 21°54 | 27°40 | 21♋18 | 28°44 | 9°52 | 3♌11 | 1♉15 | 23°32 | 12♊57 | 13° 0 | 27°30 | 11♋44 | F 2 |
| S 3 | 4 46 45 | 10°39'26 | 5♋30 | 23°19 | 28°51 | 21°10 | 28°52 | 9°56 | 3° 9 | 1°14 | 23°32 | 12°57 | 12°57 | 27°37 | 11°41 | S 3 |
| S 4 | 4 50 42 | 11°40'16 | 17°18 | 24°45 | 0♏ 2 | 21° 2 | 28°59 | 10° 1 | 3° 8 | 1°12 | 23°33 | 12°58 | 12°54 | 27°43 | 11°38 | S 4 |
| M 5 | 4 54 38 | 12°41'07 | 29° 9 | 26°12 | 1°13 | 20°53 | 29° 7 | 10° 6 | 3° 7 | 1°11 | 23°34 | 12°R58 | 12°51 | 27°50 | 11°35 | M 5 |
| T 6 | 4 58 35 | 13°41'59 | 11♌ 8 | 27°40 | 2°24 | 20°43 | 29°14 | 10°11 | 3° 5 | 1°10 | 23°35 | 12°58 | 12°47 | 27°57 | 11°32 | T 6 |
| W 7 | 5 2 31 | 14°42'52 | 23°16 | 29° 8 | 3°35 | 20°33 | 29°21 | 10°15 | 3° 4 | 1° 9 | 23°35 | 12°58 | 12°44 | 28° 3 | 11°28 | W 7 |
| T 8 | 5 6 28 | 15°43'47 | 5♍39 | 0♐38 | 4°46 | 20°21 | 29°28 | 10°20 | 3° 3 | 1° 8 | 23°36 | 12°57 | 12°41 | 28°10 | 11°25 | T 8 |
| F 9 | 5 10 24 | 16°44'42 | 18°21 | 2° 8 | 5°58 | 20° 9 | 29°35 | 10°24 | 3° 1 | 1° 7 | 23°37 | 12°D57 | 12°38 | 28°16 | 11°21 | F 9 |
| S 10 | 5 14 21 | 17°45'39 | 1♎25 | 3°38 | 7° 9 | 19°55 | 29°41 | 10°28 | 2°59 | 1° 6 | 23°38 | 12°58 | 12°35 | 28°23 | 11°18 | S 10 |
| S 11 | 5 18 17 | 18°46'38 | 14°54 | 5° 8 | 8°21 | 19°41 | 29°48 | 10°32 | 2°58 | 1° 5 | 23°39 | 12°58 | 12°31 | 28°30 | 11°14 | S 11 |
| M12 | 5 22 14 | 19°47'37 | 28°50 | 6°39 | 9°33 | 19°27 | 29°54 | 10°36 | 2°56 | 1° 4 | 23°40 | 12°59 | 12°28 | 28°36 | 11°11 | M12 |
| T 13 | 5 26 11 | 20°48'37 | 13♏13 | 8°11 | 10°45 | 19°11 | 0♎ 0 | 10°40 | 2°54 | 1° 3 | 23°41 | 12°59 | 12°25 | 28°43 | 11° 7 | T 13 |
| W14 | 5 30 7 | 21°49'39 | 28° 0 | 9°42 | 11°57 | 18°55 | 0° 7 | 10°44 | 2°53 | 1° 2 | 23°42 | 13° 0 | 12°22 | 28°50 | 11° 3 | W14 |
| T 15 | 5 34 4 | 22°50'42 | 13♐ 4 | 11°14 | 13° 9 | 18°38 | 0°12 | 10°48 | 2°51 | 1° 1 | 23°43 | 13°R 0 | 12°19 | 28°56 | 11° 0 | T 15 |
| F 16 | 5 38 0 | 23°51'45 | 28°17 | 12°46 | 14°21 | 18°20 | 0°18 | 10°52 | 2°49 | 1° 0 | 23°44 | 13° 0 | 12°16 | 29° 3 | 10°56 | F 16 |
| S 17 | 5 41 57 | 24°52'50 | 13♑30 | 14°18 | 15°33 | 18° 1 | 0°24 | 10°56 | 2°47 | 0°59 | 23°45 | 12°59 | 12°12 | 29°10 | 10°52 | S 17 |
| S 18 | 5 45 53 | 25°53'54 | 28°33 | 15°51 | 16°45 | 17°42 | 0°29 | 10°59 | 2°45 | 0°58 | 23°46 | 12°57 | 12° 9 | 29°16 | 10°48 | S 18 |
| M19 | 5 49 50 | 26°55'00 | 13♒17 | 17°23 | 17°58 | 17°23 | 0°34 | 11° 3 | 2°43 | 0°58 | 23°47 | 12°56 | 12° 6 | 29°23 | 10°45 | M19 |
| T 20 | 5 53 47 | 27°56'05 | 27°37 | 18°56 | 19°10 | 17° 2 | 0°39 | 11° 6 | 2°41 | 0°57 | 23°48 | 12°54 | 12° 3 | 29°30 | 10°41 | T 20 |
| W21 | 5 57 43 | 28°57'11 | 11♓29 | 20°29 | 20°23 | 16°42 | 0°44 | 11° 9 | 2°39 | 0°56 | 23°49 | 12°52 | 12° 0 | 29°36 | 10°37 | W21 |
| T 22 | 6 1 40 | 29°58'17 | 24°55 | 22° 2 | 21°35 | 16°20 | 0°49 | 11°13 | 2°37 | 0°55 | 23°50 | 12°D52 | 11°57 | 29°43 | 10°33 | T 22 |
| F 23 | 6 5 36 | 0♑59'23 | 7♈55 | 23°35 | 22°48 | 15°58 | 0°54 | 11°16 | 2°35 | 0°55 | 23°51 | 12°52 | 11°53 | 29°50 | 10°29 | F 23 |
| S 24 | 6 9 33 | 2° 0'29 | 20°34 | 25° 8 | 24° 1 | 15°36 | 0°58 | 11°19 | 2°33 | 0°54 | 23°52 | 12°53 | 11°50 | 29°56 | 10°25 | S 24 |
| S 25 | 6 13 29 | 3° 1'36 | 2♉54 | 26°42 | 25°13 | 15°14 | 1° 2 | 11°22 | 2°31 | 0°54 | 23°54 | 12°54 | 11°47 | 0♋ 3 | 10°21 | S 25 |
| M26 | 6 17 26 | 4° 2'42 | 15° 2 | 28°16 | 26°26 | 14°51 | 1° 7 | 11°24 | 2°29 | 0°53 | 23°55 | 12°56 | 11°44 | 0°10 | 10°17 | M26 |
| T 27 | 6 21 22 | 5° 3'49 | 26°59 | 29°50 | 27°39 | 14°28 | 1°10 | 11°27 | 2°27 | 0°52 | 23°56 | 12°57 | 11°41 | 0°16 | 10°13 | T 27 |
| W28 | 6 25 19 | 6° 4'56 | 8♊50 | 1♑24 | 28°52 | 14° 4 | 1°14 | 11°30 | 2°24 | 0°52 | 23°57 | 12°R58 | 11°37 | 0°23 | 10° 9 | W28 |
| T 29 | 6 29 16 | 7° 6'04 | 20°38 | 2°59 | 0♐ 5 | 13°41 | 1°18 | 11°32 | 2°22 | 0°51 | 23°59 | 12°58 | 11°34 | 0°30 | 10° 5 | T 29 |
| F 30 | 6 33 12 | 8° 7'11 | 2♋26 | 4°34 | 1°18 | 13°17 | 1°21 | 11°35 | 2°20 | 0°51 | 24° 0 | 12°57 | 11°31 | 0°36 | 10° 1 | F 30 |
| S 31 | 6 37 9 | 9♑ 8'19 | 14♋16 | 6♑ 9 | 2♐31 | 12♋53 | 1♎24 | 11♎37 | 2♌18 | 0♉51 | 24♒ 1 | 12♊54 | 11♊28 | 0♋43 | 9♋57 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s44 | 22n 7 | 0s 6 | 16s 7 | 1n49 | 8s13 | 2n 8 | 24n11 | 2n29 | 1n37 | 1n 9 | 1s49 | 2n14 | 20n 0 | 0n35 | 10n14 | 1s47 | 22s51 | 9s45 | 22n21 | 22n22 | 24n41 | 15n57 | 6s59 |
| F 2 | 21 54 | 24 16 | 0n59 | 16 35 | 1 42 | 8 38 | 2 9 | 24 15 | 2 32 | 1 34 | 1 9 | 1 51 | 2 14 | 20 0 | 0 35 | 10 14 | 1 47 | 22 51 | 9 45 | 22 21 | 22 21 | 24 42 | 15 57 | 6 59 |
| S 3 | 22 2 | 25 21 | 2 2 | 17 3 | 1 36 | 9 2 | 2 10 | 24 19 | 2 35 | 1 31 | 1 10 | 1 53 | 2 14 | 20 1 | 0 35 | 10 13 | 1 47 | 22 51 | 9 45 | 22 21 | 22 21 | 24 43 | 15 57 | 7 0 |
| S 4 | 22 11 | 25 17 | 3 0 | 17 31 | 1 29 | 9 26 | 2 11 | 24 23 | 2 38 | 1 28 | 1 10 | 1 54 | 2 15 | 20 1 | 0 35 | 10 13 | 1 47 | 22 50 | 9 45 | 22 21 | 22 20 | 24 44 | 15 57 | 7 0 |
| M 5 | 22 19 | 24 4 | 3 50 | 17 58 | 1 22 | 9 50 | 2 11 | 24 28 | 2 41 | 1 25 | 1 10 | 1 56 | 2 15 | 20 1 | 0 35 | 10 13 | 1 47 | 22 50 | 9 44 | 22 21 | 22 20 | 24 45 | 15 57 | 7 0 |
| T 6 | 22 26 | 21 46 | 4 30 | 18 25 | 1 15 | 10 14 | 2 12 | 24 32 | 2 44 | 1 23 | 1 10 | 1 57 | 2 15 | 20 2 | 0 35 | 10 12 | 1 47 | 22 49 | 9 44 | 22 21 | 22 20 | 24 46 | 15 57 | 7 1 |
| W 7 | 22 34 | 18 28 | 4 59 | 18 52 | 1 8 | 10 38 | 2 12 | 24 37 | 2 47 | 1 20 | 1 10 | 1 59 | 2 15 | 20 2 | 0 35 | 10 12 | 1 47 | 22 49 | 9 44 | 22 21 | 22 19 | 24 47 | 15 57 | 7 1 |
| T 8 | 22 40 | 14 19 | 5 15 | 19 18 | 1 0 | 11 1 | 2 13 | 24 41 | 2 50 | 1 18 | 1 11 | 2 0 | 2 16 | 20 3 | 0 35 | 10 12 | 1 47 | 22 48 | 9 44 | 22 21 | 22 19 | 24 48 | 15 57 | 7 2 |
| F 9 | 22 46 | 9 28 | 5 17 | 19 43 | 0 53 | 11 25 | 2 13 | 24 46 | 2 53 | 1 15 | 1 11 | 2 2 | 2 16 | 20 3 | 0 35 | 10 11 | 1 47 | 22 48 | 9 44 | 22 21 | 22 18 | 24 49 | 15 56 | 7 2 |
| S 10 | 22 52 | 4 3 | 5 2 | 20 8 | 0 46 | 11 48 | 2 13 | 24 51 | 2 55 | 1 13 | 1 11 | 2 3 | 2 16 | 20 3 | 0 35 | 10 11 | 1 47 | 22 48 | 9 43 | 22 21 | 22 18 | 24 50 | 15 56 | 7 2 |
| S 11 | 22 58 | 1s43 | 4 30 | 20 31 | 0 38 | 12 11 | 2 13 | 24 56 | 2 58 | 1 10 | 1 11 | 2 5 | 2 16 | 20 4 | 0 35 | 10 11 | 1 47 | 22 47 | 9 43 | 22 21 | 22 18 | 24 51 | 15 56 | 7 3 |
| M12 | 23 3 | 7 36 | 3 42 | 20 54 | 0 31 | 12 34 | 2 13 | 25 1 | 3 1 | 1 8 | 1 12 | 2 6 | 2 17 | 20 4 | 0 35 | 10 10 | 1 47 | 22 47 | 9 43 | 22 21 | 22 17 | 24 52 | 15 56 | 7 3 |
| T 13 | 23 7 | 13 17 | 2 38 | 21 17 | 0 24 | 12 56 | 2 13 | 25 6 | 3 4 | 1 6 | 1 12 | 2 8 | 2 17 | 20 5 | 0 35 | 10 10 | 1 47 | 22 46 | 9 43 | 22 21 | 22 17 | 24 53 | 15 56 | 7 3 |
| W14 | 23 11 | 18 22 | 1 22 | 21 38 | 0 16 | 13 19 | 2 12 | 25 11 | 3 7 | 1 4 | 1 12 | 2 9 | 2 17 | 20 5 | 0 35 | 10 10 | 1 47 | 22 46 | 9 43 | 22 21 | 22 16 | 24 53 | 15 56 | 7 4 |
| T 15 | 23 14 | 22 22 | 0s 0 | 21 58 | 0 9 | 13 41 | 2 12 | 25 16 | 3 9 | 1 2 | 1 12 | 2 10 | 2 17 | 20 5 | 0 35 | 10 9 | 1 47 | 22 45 | 9 43 | 22 21 | 22 16 | 24 54 | 15 56 | 7 4 |
| F 16 | 23 18 | 24 49 | 1 24 | 22 17 | 0 2 | 14 3 | 2 12 | 25 21 | 3 12 | 0 59 | 1 13 | 2 11 | 2 18 | 20 6 | 0 35 | 10 9 | 1 47 | 22 45 | 9 42 | 22 21 | 22 16 | 24 55 | 15 56 | 7 4 |
| S 17 | 23 20 | 25 26 | 2 41 | 22 36 | 0s 5 | 14 24 | 2 11 | 25 26 | 3 15 | 0 57 | 1 13 | 2 13 | 2 18 | 20 6 | 0 35 | 10 9 | 1 47 | 22 44 | 9 42 | 22 21 | 22 15 | 24 56 | 15 56 | 7 4 |
| S 18 | 23 22 | 24 9 | 3 47 | 22 53 | 0 12 | 14 45 | 2 10 | 25 31 | 3 17 | 0 56 | 1 13 | 2 14 | 2 18 | 20 7 | 0 35 | 10 9 | 1 47 | 22 44 | 9 42 | 22 21 | 22 15 | 24 57 | 15 56 | 7 5 |
| M19 | 23 24 | 21 14 | 4 36 | 23 9 | 0 19 | 15 6 | 2 10 | 25 36 | 3 20 | 0 54 | 1 13 | 2 15 | 2 18 | 20 7 | 0 35 | 10 9 | 1 46 | 22 43 | 9 42 | 22 21 | 22 14 | 24 58 | 15 56 | 7 5 |
| T 20 | 23 25 | 17 5 | 5 6 | 23 24 | 0 25 | 15 27 | 2 9 | 25 41 | 3 22 | 0 52 | 1 14 | 2 16 | 2 19 | 20 8 | 0 35 | 10 8 | 1 46 | 22 43 | 9 42 | 22 20 | 22 14 | 24 59 | 15 57 | 7 5 |
| W21 | 23 26 | 12 8 | 5 17 | 23 38 | 0 32 | 15 47 | 2 8 | 25 46 | 3 24 | 0 50 | 1 14 | 2 17 | 2 19 | 20 8 | 0 35 | 10 8 | 1 46 | 22 42 | 9 42 | 22 20 | 22 13 | 25 0 | 15 57 | 7 5 |
| T 22 | 23 26 | 6 45 | 5 10 | 23 50 | 0 38 | 16 7 | 2 7 | 25 51 | 3 27 | 0 49 | 1 14 | 2 18 | 2 19 | 20 9 | 0 35 | 10 8 | 1 46 | 22 42 | 9 41 | 22 20 | 22 13 | 25 1 | 15 57 | 7 6 |
| F 23 | 23 26 | 1 15 | 4 47 | 24 1 | 0 45 | 16 27 | 2 6 | 25 56 | 3 29 | 0 47 | 1 14 | 2 19 | 2 19 | 20 9 | 0 35 | 10 8 | 1 46 | 22 41 | 9 41 | 22 20 | 22 13 | 25 1 | 15 57 | 7 6 |
| S 24 | 23 25 | 4n 9 | 4 11 | 24 12 | 0 51 | 16 46 | 2 4 | 26 1 | 3 31 | 0 45 | 1 15 | 2 20 | 2 20 | 20 10 | 0 35 | 10 8 | 1 46 | 22 41 | 9 41 | 22 20 | 22 12 | 25 2 | 15 57 | 7 6 |
| S 25 | 23 24 | 9 17 | 3 24 | 24 21 | 0 57 | 17 5 | 2 3 | 26 6 | 3 33 | 0 44 | 1 15 | 2 21 | 2 20 | 20 10 | 0 35 | 10 7 | 1 46 | 22 40 | 9 41 | 22 20 | 22 12 | 25 3 | 15 57 | 7 6 |
| M26 | 23 22 | 13 59 | 2 28 | 24 28 | 1 3 | 17 23 | 2 2 | 26 10 | 3 35 | 0 43 | 1 15 | 2 22 | 2 20 | 20 11 | 0 36 | 10 7 | 1 46 | 22 39 | 9 41 | 22 21 | 22 11 | 25 4 | 15 57 | 7 6 |
| T 27 | 23 20 | 18 4 | 1 27 | 24 34 | 1 8 | 17 41 | 2 0 | 26 15 | 3 37 | 0 41 | 1 16 | 2 22 | 2 21 | 20 11 | 0 36 | 10 7 | 1 46 | 22 39 | 9 41 | 22 21 | 22 11 | 25 5 | 15 57 | 7 6 |
| W28 | 23 18 | 21 24 | 0 23 | 24 39 | 1 14 | 17 58 | 1 59 | 26 19 | 3 39 | 0 40 | 1 16 | 2 23 | 2 21 | 20 12 | 0 36 | 10 7 | 1 46 | 22 38 | 9 41 | 22 21 | 22 10 | 25 6 | 15 58 | 7 6 |
| T 29 | 23 15 | 23 48 | 0n42 | 24 43 | 1 19 | 18 15 | 1 57 | 26 24 | 3 41 | 0 39 | 1 16 | 2 24 | 2 21 | 20 12 | 0 36 | 10 7 | 1 46 | 22 38 | 9 40 | 22 21 | 22 10 | 25 6 | 15 58 | 7 7 |
| F 30 | 23 11 | 25 10 | 1 45 | 24 45 | 1 24 | 18 32 | 1 55 | 26 28 | 3 42 | 0 38 | 1 16 | 2 25 | 2 21 | 20 13 | 0 36 | 10 7 | 1 46 | 22 37 | 9 40 | 22 21 | 22 10 | 25 7 | 15 58 | 7 7 |
| S 31 | 23s 7 | 25n23 | 2n44 | 24s46 | 1s29 | 18s48 | 1n54 | 26n32 | 3n44 | 0n37 | 1n17 | 2s25 | 2n22 | 20n13 | 0n36 | 10n 7 | 1s46 | 22s37 | 9s40 | 22n20 | 22n 9 | 25n 8 | 15n58 | 7s 7 |

Julian Day Number = 2466123.5, Delta T = 71.78 sec
Ecliptic obliquity = 23°26'05, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°17'52, Lahiri = 24°24'53