# Astrodienst Ephemeris Tables

## for the year 2189

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 2189
# geocentric

## JANUARY 2189 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 44 42 | 11♑ 0'12 | 20♊53 | 18♐38 | 3♑14 | 25♎35 | 0♈48 | 4♏29 | 9°R10 | 27♓47 | 7°R14 | 11°R 1 | 9♊34 | 3♉46 | 9°R36 | T 1 |
| F 2 | 6 48 38 | 12° 1'19 | 3♋25 | 19°34 | 4°29 | 26° 7 | 0°55 | 4°34 | 9♉ 9 | 27°48 | 7♌13 | 10♊59 | 9°31 | 3°53 | 9♋32 | F 2 |
| S 3 | 6 52 35 | 13° 2'26 | 16°12 | 20°33 | 5°44 | 26°39 | 1° 3 | 4°38 | 9° 8 | 27°48 | 7°11 | 10°55 | 9°28 | 4° 0 | 9°28 | S 3 |
| S 4 | 6 56 31 | 14° 3'33 | 29°15 | 21°36 | 7° 0 | 27°10 | 1°11 | 4°42 | 9° 7 | 27°49 | 7°10 | 10°50 | 9°25 | 4° 6 | 9°24 | S 4 |
| M 5 | 7 0 28 | 15° 4'41 | 12♌33 | 22°42 | 8°15 | 27°42 | 1°19 | 4°46 | 9° 7 | 27°50 | 7° 9 | 10°45 | 9°21 | 4°13 | 9°20 | M 5 |
| T 6 | 7 4 25 | 16° 5'48 | 26° 4 | 23°50 | 9°31 | 28°13 | 1°27 | 4°49 | 9° 6 | 27°51 | 7° 8 | 10°39 | 9°18 | 4°20 | 9°16 | T 6 |
| W 7 | 7 8 21 | 17° 6'56 | 9♍46 | 25° 1 | 10°46 | 28°44 | 1°35 | 4°53 | 9° 6 | 27°52 | 7° 7 | 10°33 | 9°15 | 4°26 | 9°12 | W 7 |
| T 8 | 7 12 18 | 18° 8'03 | 23°37 | 26°13 | 12° 2 | 29°16 | 1°44 | 4°57 | 9° 5 | 27°53 | 7° 5 | 10°29 | 9°12 | 4°33 | 9° 8 | T 8 |
| F 9 | 7 16 14 | 19° 9'11 | 7♎35 | 27°28 | 13°17 | 29°47 | 1°52 | 5° 0 | 9° 5 | 27°54 | 7° 4 | 10°27 | 9° 9 | 4°40 | 9° 4 | F 9 |
| S 10 | 7 20 11 | 20°10'20 | 21°39 | 28°44 | 14°33 | 0♏17 | 2° 1 | 5° 4 | 9° 4 | 27°55 | 7° 3 | 10°D26 | 9° 6 | 4°46 | 9° 0 | S 10 |
| S 11 | 7 24 7 | 21°11'28 | 5♏48 | 0♑ 2 | 15°48 | 0°48 | 2°10 | 5° 7 | 9° 4 | 27°57 | 7° 1 | 10°27 | 9° 2 | 4°53 | 8°56 | S 11 |
| M12 | 7 28 4 | 22°12'37 | 20° 0 | 1°21 | 17° 4 | 1°19 | 2°19 | 5°11 | 9° 4 | 27°58 | 7° 0 | 10°28 | 8°59 | 5° 0 | 8°52 | M12 |
| T 13 | 7 32 0 | 23°13'45 | 4♐13 | 2°42 | 18°19 | 1°49 | 2°28 | 5°14 | 9° 4 | 27°59 | 6°59 | 10°R29 | 8°56 | 5° 6 | 8°49 | T 13 |
| W14 | 7 35 57 | 24°14'54 | 18°26 | 4° 3 | 19°35 | 2°20 | 2°37 | 5°17 | 9° 4 | 28° 0 | 6°57 | 10°29 | 8°53 | 5°13 | 8°45 | W14 |
| T 15 | 7 39 54 | 25°16'03 | 2♑34 | 5°26 | 20°50 | 2°50 | 2°46 | 5°20 | 9° 3 | 28° 1 | 6°56 | 10°27 | 8°50 | 5°20 | 8°41 | T 15 |
| F 16 | 7 43 50 | 26°17'11 | 16°33 | 6°49 | 22° 6 | 3°20 | 2°56 | 5°23 | 9°D 3 | 28° 3 | 6°55 | 10°23 | 8°47 | 5°27 | 8°37 | F 16 |
| S 17 | 7 47 47 | 27°18'19 | 0♒21 | 8°14 | 23°21 | 3°50 | 3° 6 | 5°26 | 9° 3 | 28° 4 | 6°53 | 10°16 | 8°43 | 5°33 | 8°33 | S 17 |
| S 18 | 7 51 43 | 28°19'27 | 13°52 | 9°39 | 24°37 | 4°20 | 3°15 | 5°29 | 9° 3 | 28° 5 | 6°52 | 10° 8 | 8°40 | 5°40 | 8°30 | S 18 |
| M19 | 7 55 40 | 29°20'34 | 27° 4 | 11° 5 | 25°52 | 4°49 | 3°25 | 5°31 | 9° 4 | 28° 7 | 6°51 | 9°59 | 8°37 | 5°47 | 8°26 | M19 |
| T 20 | 7 59 36 | 0♒21'40 | 9♓57 | 12°32 | 27° 7 | 5°19 | 3°35 | 5°34 | 9° 4 | 28° 8 | 6°49 | 9°50 | 8°34 | 5°53 | 8°22 | T 20 |
| W21 | 8 3 33 | 1°22'46 | 22°31 | 13°59 | 28°23 | 5°48 | 3°46 | 5°36 | 9° 4 | 28° 9 | 6°48 | 9°42 | 8°31 | 6° 0 | 8°19 | W21 |
| T 22 | 8 7 29 | 2°23'51 | 4♈47 | 15°27 | 29°38 | 6°17 | 3°56 | 5°38 | 9° 4 | 28°11 | 6°47 | 9°36 | 8°27 | 6° 7 | 8°15 | T 22 |
| F 23 | 8 11 26 | 3°24'55 | 16°50 | 16°56 | 0♒54 | 6°46 | 4° 6 | 5°41 | 9° 5 | 28°12 | 6°45 | 9°32 | 8°24 | 6°13 | 8°12 | F 23 |
| S 24 | 8 15 23 | 4°25'58 | 28°43 | 18°26 | 2° 9 | 7°15 | 4°17 | 5°43 | 9° 5 | 28°14 | 6°44 | 9°30 | 8°21 | 6°20 | 8° 8 | S 24 |
| S 25 | 8 19 19 | 5°27'00 | 10♉32 | 19°56 | 3°25 | 7°43 | 4°27 | 5°45 | 9° 5 | 28°15 | 6°43 | 9°D30 | 8°18 | 6°27 | 8° 5 | S 25 |
| M26 | 8 23 16 | 6°28'01 | 22°22 | 21°27 | 4°40 | 8°12 | 4°38 | 5°47 | 9° 6 | 28°17 | 6°41 | 9°31 | 8°15 | 6°33 | 8° 1 | M26 |
| T 27 | 8 27 12 | 7°29'02 | 4♊18 | 22°58 | 5°55 | 8°40 | 4°49 | 5°49 | 9° 6 | 28°19 | 6°40 | 9°R32 | 8°12 | 6°40 | 7°58 | T 27 |
| W28 | 8 31 9 | 8°30'01 | 16°26 | 24°30 | 7°11 | 9° 8 | 5° 0 | 5°50 | 9° 7 | 28°20 | 6°39 | 9°32 | 8° 8 | 6°47 | 7°55 | W28 |
| T 29 | 8 35 5 | 9°30'59 | 28°50 | 26° 3 | 8°26 | 9°36 | 5°11 | 5°52 | 9° 8 | 28°22 | 6°37 | 9°30 | 8° 5 | 6°53 | 7°51 | T 29 |
| F 30 | 8 39 2 | 10°31'57 | 11♋33 | 27°36 | 9°42 | 10° 3 | 5°22 | 5°54 | 9° 8 | 28°23 | 6°36 | 9°25 | 8° 2 | 7° 0 | 7°48 | F 30 |
| S 31 | 8 42 58 | 11♒32'53 | 24♋37 | 29♑10 | 10♒57 | 10♏31 | 5♈33 | 5♏55 | 9♉ 9 | 28♓25 | 6♌35 | 9♊18 | 7♊59 | 7♉ 7 | 7♋45 | 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 | 22s58 | 24n 0 | 0n54 | 20s48 | 2n 9 | 23s29 | 0s 7 | 8s20 | 1n40 | 0s51 | 1s16 | 10s45 | 2n23 | 14n 7 | 0s26 | 2s 2 | 1s15 | 22n35 | 4n17 | 22n 4 | 21n52 | 9n55 | 16n 2 | 7s 3 |
| F 2 | 22 52 | 25 22 | 2 0 | 21 0 | 2 0 | 23 29 | 0 9 | 8 32 | 1 40 | 0 48 | 1 16 | 10 46 | 2 24 | 14 7 | 0 26 | 2 1 | 1 15 | 22 35 | 4 17 | 22 4 | 21 51 | 9 58 | 16 2 | 7 3 |
| S 3 | 22 47 | 25 25 | 3 1 | 21 13 | 1 52 | 23 29 | 0 11 | 8 43 | 1 40 | 0 45 | 1 16 | 10 47 | 2 24 | 14 7 | 0 26 | 2 1 | 1 15 | 22 36 | 4 17 | 22 4 | 21 51 | 10 1 | 16 2 | 7 3 |
| S 4 | 22 40 | 24 5 | 3 53 | 21 26 | 1 43 | 23 28 | 0 14 | 8 54 | 1 40 | 0 41 | 1 16 | 10 49 | 2 24 | 14 7 | 0 26 | 2 0 | 1 15 | 22 36 | 4 17 | 22 3 | 21 50 | 10 4 | 16 2 | 7 4 |
| M 5 | 22 34 | 21 24 | 4 34 | 21 38 | 1 35 | 23 26 | 0 16 | 9 5 | 1 40 | 0 38 | 1 15 | 10 50 | 2 24 | 14 7 | 0 26 | 2 0 | 1 15 | 22 37 | 4 17 | 22 2 | 21 50 | 10 7 | 16 3 | 7 4 |
| T 6 | 22 27 | 17 32 | 5 1 | 21 51 | 1 26 | 23 23 | 0 19 | 9 16 | 1 40 | 0 34 | 1 15 | 10 51 | 2 25 | 14 6 | 0 26 | 2 0 | 1 15 | 22 37 | 4 17 | 22 1 | 21 49 | 10 10 | 16 3 | 7 4 |
| W 7 | 22 19 | 12 42 | 5 11 | 22 2 | 1 17 | 23 20 | 0 21 | 9 27 | 1 40 | 0 31 | 1 15 | 10 52 | 2 25 | 14 6 | 0 26 | 1 59 | 1 15 | 22 38 | 4 18 | 22 0 | 21 49 | 10 13 | 16 3 | 7 4 |
| T 8 | 22 11 | 7 10 | 5 3 | 22 13 | 1 8 | 23 15 | 0 23 | 9 38 | 1 41 | 0 27 | 1 15 | 10 53 | 2 25 | 14 6 | 0 26 | 1 59 | 1 15 | 22 38 | 4 18 | 22 0 | 21 48 | 10 16 | 16 4 | 7 4 |
| F 9 | 22 3 | 1 14 | 4 37 | 22 24 | 1 0 | 23 11 | 0 25 | 9 49 | 1 41 | 0 24 | 1 15 | 10 54 | 2 25 | 14 6 | 0 26 | 1 58 | 1 15 | 22 38 | 4 18 | 22 0 | 21 48 | 10 19 | 16 4 | 7 3 |
| S 10 | 21 54 | 4s48 | 3 54 | 22 34 | 0 51 | 23 5 | 0 28 | 9 59 | 1 41 | 0 20 | 1 14 | 10 55 | 2 25 | 14 6 | 0 26 | 1 58 | 1 15 | 22 39 | 4 18 | 21 59 | 21 47 | 10 22 | 16 4 | 7 3 |
| S 11 | 21 45 | 10 39 | 2 57 | 22 43 | 0 42 | 22 59 | 0 30 | 10 10 | 1 41 | 0 16 | 1 14 | 10 56 | 2 26 | 14 6 | 0 26 | 1 57 | 1 14 | 22 39 | 4 18 | 22 0 | 21 47 | 10 25 | 16 4 | 7 3 |
| M12 | 21 35 | 15 58 | 1 49 | 22 51 | 0 34 | 22 52 | 0 32 | 10 20 | 1 41 | 0 13 | 1 14 | 10 56 | 2 26 | 14 6 | 0 26 | 1 57 | 1 14 | 22 40 | 4 18 | 22 0 | 21 47 | 10 27 | 16 5 | 7 3 |
| T 13 | 21 25 | 20 25 | 0 34 | 22 58 | 0 25 | 22 44 | 0 34 | 10 31 | 1 41 | 0 9 | 1 14 | 10 57 | 2 26 | 14 6 | 0 26 | 1 56 | 1 14 | 22 40 | 4 18 | 22 0 | 21 46 | 10 30 | 16 5 | 7 3 |
| W14 | 21 15 | 23 37 | 0s43 | 23 4 | 0 17 | 22 36 | 0 37 | 10 41 | 1 41 | 0 5 | 1 13 | 10 58 | 2 26 | 14 6 | 0 26 | 1 56 | 1 14 | 22 41 | 4 18 | 22 0 | 21 46 | 10 33 | 16 5 | 7 3 |
| T 15 | 21 4 | 25 20 | 1 57 | 23 9 | 0 9 | 22 26 | 0 39 | 10 51 | 1 41 | 0 1 | 1 13 | 10 59 | 2 27 | 14 6 | 0 26 | 1 55 | 1 14 | 22 41 | 4 18 | 22 0 | 21 45 | 10 36 | 16 6 | 7 3 |
| F 16 | 20 52 | 25 24 | 3 2 | 23 13 | 0 1 | 22 17 | 0 41 | 11 1 | 1 42 | 0n 3 | 1 13 | 11 0 | 2 27 | 14 6 | 0 26 | 1 55 | 1 14 | 22 41 | 4 18 | 21 59 | 21 45 | 10 39 | 16 6 | 7 3 |
| S 17 | 20 41 | 23 54 | 3 56 | 23 16 | 0s 7 | 22 6 | 0 43 | 11 11 | 1 42 | 0 7 | 1 13 | 11 0 | 2 27 | 14 6 | 0 26 | 1 54 | 1 14 | 22 42 | 4 19 | 21 58 | 21 44 | 10 42 | 16 6 | 7 3 |
| S 18 | 20 29 | 21 3 | 4 36 | 23 18 | 0 14 | 21 55 | 0 45 | 11 21 | 1 42 | 0 11 | 1 13 | 11 1 | 2 27 | 14 6 | 0 26 | 1 54 | 1 14 | 22 42 | 4 19 | 21 57 | 21 44 | 10 45 | 16 7 | 7 3 |
| M19 | 20 16 | 17 9 | 4 59 | 23 19 | 0 22 | 21 43 | 0 47 | 11 31 | 1 42 | 0 15 | 1 12 | 11 2 | 2 28 | 14 6 | 0 26 | 1 53 | 1 14 | 22 43 | 4 19 | 21 55 | 21 43 | 10 48 | 16 7 | 7 2 |
| T 20 | 20 3 | 12 34 | 5 7 | 23 19 | 0 29 | 21 31 | 0 49 | 11 41 | 1 42 | 0 19 | 1 12 | 11 2 | 2 28 | 14 6 | 0 26 | 1 53 | 1 14 | 22 43 | 4 19 | 21 54 | 21 43 | 10 51 | 16 8 | 7 2 |
| W21 | 19 50 | 7 33 | 4 59 | 23 17 | 0 36 | 21 18 | 0 51 | 11 50 | 1 42 | 0 23 | 1 12 | 11 3 | 2 28 | 14 6 | 0 26 | 1 52 | 1 14 | 22 44 | 4 19 | 21 53 | 21 42 | 10 53 | 16 8 | 7 2 |
| T 22 | 19 36 | 2 21 | 4 38 | 23 14 | 0 43 | 21 4 | 0 53 | 12 0 | 1 42 | 0 28 | 1 12 | 11 3 | 2 28 | 14 6 | 0 25 | 1 51 | 1 14 | 22 44 | 4 19 | 21 52 | 21 42 | 10 56 | 16 8 | 7 2 |
| F 23 | 19 22 | 2n50 | 4 5 | 23 10 | 0 50 | 20 50 | 0 55 | 12 9 | 1 42 | 0 32 | 1 12 | 11 4 | 2 29 | 14 6 | 0 25 | 1 51 | 1 14 | 22 44 | 4 19 | 21 51 | 21 41 | 10 59 | 16 9 | 7 2 |
| S 24 | 19 8 | 7 52 | 3 21 | 23 4 | 0 56 | 20 35 | 0 57 | 12 18 | 1 42 | 0 36 | 1 11 | 11 4 | 2 29 | 14 6 | 0 25 | 1 50 | 1 14 | 22 45 | 4 19 | 21 51 | 21 41 | 11 2 | 16 9 | 7 2 |
| S 25 | 18 53 | 12 36 | 2 29 | 22 58 | 1 2 | 20 19 | 0 58 | 12 27 | 1 42 | 0 41 | 1 11 | 11 5 | 2 29 | 14 7 | 0 25 | 1 50 | 1 14 | 22 45 | 4 19 | 21 51 | 21 40 | 11 5 | 16 10 | 7 1 |
| M26 | 18 38 | 16 53 | 1 31 | 22 50 | 1 8 | 20 3 | 1 0 | 12 36 | 1 42 | 0 45 | 1 11 | 11 5 | 2 29 | 14 7 | 0 25 | 1 49 | 1 14 | 22 46 | 4 19 | 21 51 | 21 40 | 11 8 | 16 10 | 7 1 |
| T 27 | 18 23 | 20 32 | 0 28 | 22 41 | 1 14 | 19 46 | 1 2 | 12 45 | 1 43 | 0 50 | 1 11 | 11 5 | 2 30 | 14 7 | 0 25 | 1 48 | 1 14 | 22 46 | 4 19 | 21 51 | 21 39 | 11 11 | 16 10 | 7 1 |
| W28 | 18 7 | 23 20 | 0n37 | 22 30 | 1 19 | 19 29 | 1 3 | 12 54 | 1 43 | 0 54 | 1 11 | 11 6 | 2 30 | 14 7 | 0 25 | 1 48 | 1 14 | 22 47 | 4 19 | 21 51 | 21 39 | 11 14 | 16 11 | 7 1 |
| T 29 | 17 51 | 25 6 | 1 41 | 22 18 | 1 25 | 19 11 | 1 5 | 13 3 | 1 43 | 0 59 | 1 11 | 11 6 | 2 30 | 14 7 | 0 25 | 1 47 | 1 14 | 22 47 | 4 20 | 21 51 | 21 38 | 11 16 | 16 11 | 7 0 |
| F 30 | 17 35 | 25 37 | 2 42 | 22 5 | 1 30 | 18 52 | 1 7 | 13 12 | 1 43 | 1 3 | 1 10 | 11 6 | 2 30 | 14 8 | 0 25 | 1 46 | 1 14 | 22 47 | 4 20 | 21 50 | 21 38 | 11 19 | 16 12 | 7 0 |
| S 31 | 17s18 | 24n44 | 3n36 | 21s50 | 1s34 | 18s33 | 1s 8 | 13s20 | 1n43 | 1n 8 | 1s10 | 11s 7 | 2n31 | 14n 8 | 0s25 | 1s46 | 1s14 | 22n48 | 4n20 | 21n49 | 21n37 | 11n22 | 16n12 | 7s 0 |

Julian Day Number = 2520576.5, Delta T = 152.63 sec
Ecliptic obliquity = 23°24'56, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°22'53, Lahiri = 26°29'54

# ASTRODIENST EPHEMERIS for the year 2189
# geocentric

## FEBRUARY 2189 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 8 46 55 | 12♒33'48 | 8♌ 1 | 0♒45 | 12♒12 | 10♏58 | 5♈45 | 5♏56 | 9♉10 | 28♓27 | 6°R33 | 9°R 9 | 7♊56 | 7♉13 | 7°R42 | S 1 |
| M 2 | 8 50 52 | 13°34'43 | 21°45 | 2°20 | 13°28 | 11°25 | 5°56 | 5°57 | 9°11 | 28°28 | 6♌32 | 8♊58 | 7°53 | 7°20 | 7♋39 | M 2 |
| T 3 | 8 54 48 | 14°35'36 | 5♍44 | 3°56 | 14°43 | 11°52 | 6° 8 | 5°59 | 9°12 | 28°30 | 6°30 | 8°47 | 7°49 | 7°27 | 7°36 | T 3 |
| W 4 | 8 58 45 | 15°36'28 | 19°54 | 5°33 | 15°58 | 12°19 | 6°20 | 6° 0 | 9°12 | 28°32 | 6°29 | 8°36 | 7°46 | 7°33 | 7°33 | W 4 |
| T 5 | 9 2 41 | 16°37'20 | 4♎ 9 | 7°10 | 17°14 | 12°45 | 6°31 | 6° 0 | 9°13 | 28°34 | 6°28 | 8°28 | 7°43 | 7°40 | 7°31 | T 5 |
| F 6 | 9 6 38 | 17°38'10 | 18°26 | 8°48 | 18°29 | 13°11 | 6°43 | 6° 1 | 9°14 | 28°36 | 6°26 | 8°22 | 7°40 | 7°47 | 7°28 | F 6 |
| S 7 | 9 10 34 | 18°39'00 | 2♏39 | 10°27 | 19°44 | 13°37 | 6°55 | 6° 2 | 9°16 | 28°37 | 6°25 | 8°19 | 7°37 | 7°53 | 7°25 | S 7 |
| S 8 | 9 14 31 | 19°39'49 | 16°47 | 12° 7 | 21° 0 | 14° 3 | 7° 7 | 6° 3 | 9°17 | 28°39 | 6°24 | 8°D18 | 7°33 | 8° 0 | 7°23 | S 8 |
| M 9 | 9 18 27 | 20°40'37 | 0♐50 | 13°47 | 22°15 | 14°28 | 7°19 | 6° 3 | 9°18 | 28°41 | 6°22 | 8°R18 | 7°30 | 8° 6 | 7°20 | M 9 |
| T 10 | 9 22 24 | 21°41'25 | 14°45 | 15°28 | 23°30 | 14°54 | 7°31 | 6° 3 | 9°19 | 28°43 | 6°21 | 8°18 | 7°27 | 8°13 | 7°18 | T 10 |
| W11 | 9 26 21 | 22°42'11 | 28°34 | 17°10 | 24°45 | 15°19 | 7°44 | 6° 4 | 9°20 | 28°45 | 6°20 | 8°17 | 7°24 | 8°20 | 7°15 | W11 |
| T 12 | 9 30 17 | 23°42'57 | 12♑15 | 18°53 | 26° 1 | 15°43 | 7°56 | 6° 4 | 9°22 | 28°47 | 6°19 | 8°13 | 7°21 | 8°26 | 7°13 | T 12 |
| F 13 | 9 34 14 | 24°43'41 | 25°48 | 20°36 | 27°16 | 16° 8 | 8° 8 | 6°R 4 | 9°23 | 28°49 | 6°17 | 8° 6 | 7°18 | 8°33 | 7°11 | F 13 |
| S 14 | 9 38 10 | 25°44'25 | 9♒10 | 22°21 | 28°31 | 16°32 | 8°21 | 6° 4 | 9°25 | 28°51 | 6°16 | 7°56 | 7°14 | 8°40 | 7° 8 | S 14 |
| S 15 | 9 42 7 | 26°45'07 | 22°21 | 24° 6 | 29°46 | 16°56 | 8°34 | 6° 4 | 9°26 | 28°53 | 6°15 | 7°43 | 7°11 | 8°46 | 7° 6 | S 15 |
| M16 | 9 46 3 | 27°45'47 | 5♓18 | 25°52 | 1♓ 2 | 17°19 | 8°46 | 6° 3 | 9°28 | 28°55 | 6°14 | 7°30 | 7° 8 | 8°53 | 7° 4 | M16 |
| T 17 | 9 50 0 | 28°46'26 | 18° 0 | 27°39 | 2°17 | 17°43 | 8°59 | 6° 3 | 9°29 | 28°57 | 6°12 | 7°16 | 7° 5 | 9° 0 | 7° 2 | T 17 |
| W18 | 9 53 56 | 29°47'04 | 0♈27 | 29°26 | 3°32 | 18° 6 | 9°12 | 6° 3 | 9°31 | 28°59 | 6°11 | 7° 3 | 7° 2 | 9° 6 | 7° 0 | W18 |
| T 19 | 9 57 53 | 0♓47'40 | 12°39 | 1♓15 | 4°47 | 18°29 | 9°25 | 6° 2 | 9°33 | 29° 1 | 6°10 | 6°53 | 6°59 | 9°13 | 6°59 | T 19 |
| F 20 | 10 1 50 | 1°48'14 | 24°40 | 3° 4 | 6° 2 | 18°51 | 9°38 | 6° 1 | 9°34 | 29° 3 | 6° 9 | 6°45 | 6°55 | 9°20 | 6°57 | F 20 |
| S 21 | 10 5 46 | 2°48'47 | 6♉32 | 4°54 | 7°18 | 19°13 | 9°51 | 6° 1 | 9°36 | 29° 5 | 6° 7 | 6°41 | 6°52 | 9°26 | 6°55 | S 21 |
| S 22 | 10 9 43 | 3°49'17 | 18°20 | 6°45 | 8°33 | 19°35 | 10° 4 | 6° 0 | 9°38 | 29° 7 | 6° 6 | 6°38 | 6°49 | 9°33 | 6°54 | S 22 |
| M23 | 10 13 39 | 4°49'47 | 0♊ 9 | 8°36 | 9°48 | 19°56 | 10°17 | 5°59 | 9°40 | 29° 9 | 6° 5 | 6°38 | 6°46 | 9°40 | 6°52 | M23 |
| T 24 | 10 17 36 | 5°50'14 | 12° 4 | 10°28 | 11° 3 | 20°17 | 10°30 | 5°58 | 9°42 | 29°11 | 6° 4 | 6°38 | 6°43 | 9°46 | 6°51 | T 24 |
| W25 | 10 21 32 | 6°50'39 | 24°11 | 12°21 | 12°18 | 20°38 | 10°43 | 5°56 | 9°43 | 29°13 | 6° 3 | 6°37 | 6°39 | 9°53 | 6°50 | W25 |
| T 26 | 10 25 29 | 7°51'03 | 6♋35 | 14°14 | 13°33 | 20°59 | 10°57 | 5°55 | 9°45 | 29°16 | 6° 2 | 6°35 | 6°36 | 10° 0 | 6°48 | T 26 |
| F 27 | 10 29 25 | 8°51'25 | 19°21 | 16° 7 | 14°48 | 21°19 | 11°10 | 5°54 | 9°47 | 29°18 | 6° 0 | 6°30 | 6°33 | 10° 6 | 6°47 | F 27 |
| S 28 | 10 33 22 | 9♓51'44 | 2♌31 | 18♓ 0 | 16♓ 3 | 21♏38 | 11♈23 | 5♏52 | 9♉50 | 29♓20 | 5♌59 | 6♊23 | 6♊30 | 10♉13 | 6♋46 | S 28 |

| 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 | 17s 1 | 22n25 | 4n20 | 21s34 | 1s39 | 18s14 | 1s10 | 13s28 | 1n43 | 1n13 | 1s10 | 11s 7 | 2n31 | 14n 8 | 0s25 | 1s45 | 1s14 | 22n48 | 4n20 | 21n48 | 21n37 | 11n25 | 16n13 | 6s59 |
| M 2 | 16 44 | 18 48 | 4 49 | 21 17 | 1 43 | 17 54 | 1 11 | 13 37 | 1 43 | 1 17 | 1 10 | 11 7 | 2 31 | 14 9 | 0 25 | 1 44 | 1 14 | 22 49 | 4 20 | 21 46 | 21 36 | 11 28 | 16 13 | 6 59 |
| T 3 | 16 26 | 14 5 | 5 2 | 20 59 | 1 46 | 17 33 | 1 12 | 13 45 | 1 43 | 1 22 | 1 10 | 11 7 | 2 31 | 14 9 | 0 25 | 1 43 | 1 14 | 22 49 | 4 20 | 21 45 | 21 36 | 11 31 | 16 14 | 6 59 |
| W 4 | 16 8 | 8 33 | 4 57 | 20 38 | 1 50 | 17 12 | 1 14 | 13 53 | 1 43 | 1 27 | 1 10 | 11 7 | 2 32 | 14 9 | 0 25 | 1 43 | 1 14 | 22 49 | 4 20 | 21 43 | 21 35 | 11 34 | 16 14 | 6 59 |
| T 5 | 15 50 | 2 32 | 4 33 | 20 17 | 1 53 | 16 51 | 1 15 | 14 1 | 1 43 | 1 31 | 1 9 | 11 7 | 2 32 | 14 9 | 0 25 | 1 42 | 1 14 | 22 50 | 4 20 | 21 42 | 21 35 | 11 37 | 16 15 | 6 58 |
| F 6 | 15 32 | 3s38 | 3 52 | 19 54 | 1 56 | 16 29 | 1 16 | 14 9 | 1 43 | 1 36 | 1 9 | 11 7 | 2 32 | 14 10 | 0 25 | 1 41 | 1 14 | 22 50 | 4 20 | 21 41 | 21 34 | 11 39 | 16 15 | 6 58 |
| S 7 | 15 13 | 9 36 | 2 57 | 19 30 | 1 58 | 16 6 | 1 17 | 14 17 | 1 43 | 1 41 | 1 9 | 11 7 | 2 32 | 14 10 | 0 25 | 1 41 | 1 14 | 22 51 | 4 20 | 21 40 | 21 33 | 11 42 | 16 16 | 6 58 |
| S 8 | 14 54 | 15 3 | 1 52 | 19 5 | 2 1 | 15 43 | 1 18 | 14 24 | 1 43 | 1 46 | 1 9 | 11 7 | 2 33 | 14 11 | 0 25 | 1 40 | 1 14 | 22 51 | 4 20 | 21 40 | 21 33 | 11 45 | 16 16 | 6 57 |
| M 9 | 14 35 | 19 39 | 0 40 | 18 38 | 2 2 | 15 20 | 1 19 | 14 32 | 1 43 | 1 51 | 1 9 | 11 7 | 2 33 | 14 11 | 0 25 | 1 39 | 1 14 | 22 51 | 4 20 | 21 40 | 21 32 | 11 48 | 16 17 | 6 57 |
| T 10 | 14 16 | 23 7 | 0s34 | 18 9 | 2 4 | 14 56 | 1 20 | 14 39 | 1 43 | 1 56 | 1 9 | 11 7 | 2 33 | 14 11 | 0 25 | 1 38 | 1 14 | 22 52 | 4 20 | 21 40 | 21 32 | 11 51 | 16 17 | 6 56 |
| W11 | 13 56 | 25 10 | 1 45 | 17 39 | 2 5 | 14 32 | 1 21 | 14 46 | 1 43 | 2 1 | 1 8 | 11 7 | 2 34 | 14 12 | 0 25 | 1 37 | 1 14 | 22 52 | 4 20 | 21 40 | 21 31 | 11 54 | 16 18 | 6 56 |
| T 12 | 13 36 | 25 40 | 2 49 | 17 8 | 2 6 | 14 7 | 1 22 | 14 54 | 1 43 | 2 6 | 1 8 | 11 7 | 2 34 | 14 12 | 0 25 | 1 37 | 1 14 | 22 52 | 4 20 | 21 39 | 21 31 | 11 57 | 16 18 | 6 56 |
| F 13 | 13 16 | 24 37 | 3 43 | 16 36 | 2 6 | 13 42 | 1 23 | 15 1 | 1 42 | 2 11 | 1 8 | 11 6 | 2 34 | 14 13 | 0 25 | 1 36 | 1 14 | 22 53 | 4 20 | 21 38 | 21 30 | 11 59 | 16 19 | 6 55 |
| S 14 | 12 56 | 22 11 | 4 24 | 16 2 | 2 6 | 13 17 | 1 23 | 15 8 | 1 42 | 2 16 | 1 8 | 11 6 | 2 34 | 14 13 | 0 25 | 1 35 | 1 14 | 22 53 | 4 20 | 21 37 | 21 30 | 12 2 | 16 19 | 6 55 |
| S 15 | 12 35 | 18 37 | 4 50 | 15 26 | 2 5 | 12 51 | 1 24 | 15 14 | 1 42 | 2 21 | 1 8 | 11 6 | 2 35 | 14 14 | 0 25 | 1 34 | 1 14 | 22 54 | 4 20 | 21 35 | 21 29 | 12 5 | 16 20 | 6 54 |
| M16 | 12 14 | 14 12 | 5 0 | 14 50 | 2 4 | 12 25 | 1 24 | 15 21 | 1 42 | 2 26 | 1 8 | 11 5 | 2 35 | 14 14 | 0 25 | 1 33 | 1 14 | 22 54 | 4 20 | 21 32 | 21 29 | 12 8 | 16 20 | 6 54 |
| T 17 | 11 53 | 9 16 | 4 55 | 14 12 | 2 2 | 11 58 | 1 25 | 15 28 | 1 42 | 2 31 | 1 8 | 11 5 | 2 35 | 14 15 | 0 25 | 1 33 | 1 14 | 22 54 | 4 20 | 21 30 | 21 28 | 12 11 | 16 21 | 6 54 |
| W18 | 11 32 | 4 3 | 4 36 | 13 32 | 2 0 | 11 32 | 1 25 | 15 34 | 1 42 | 2 36 | 1 7 | 11 5 | 2 35 | 14 15 | 0 25 | 1 32 | 1 14 | 22 55 | 4 20 | 21 28 | 21 28 | 12 14 | 16 21 | 6 53 |
| T 19 | 11 11 | 1n14 | 4 5 | 12 51 | 1 58 | 11 5 | 1 26 | 15 41 | 1 42 | 2 42 | 1 7 | 11 4 | 2 36 | 14 16 | 0 25 | 1 31 | 1 14 | 22 55 | 4 20 | 21 26 | 21 27 | 12 16 | 16 22 | 6 53 |
| F 20 | 10 49 | 6 24 | 3 23 | 12 9 | 1 55 | 10 37 | 1 26 | 15 47 | 1 42 | 2 47 | 1 7 | 11 4 | 2 36 | 14 16 | 0 25 | 1 30 | 1 14 | 22 55 | 4 20 | 21 25 | 21 27 | 12 19 | 16 22 | 6 52 |
| S 21 | 10 28 | 11 17 | 2 32 | 11 26 | 1 51 | 10 10 | 1 26 | 15 53 | 1 42 | 2 52 | 1 7 | 11 3 | 2 36 | 14 17 | 0 25 | 1 29 | 1 14 | 22 56 | 4 20 | 21 24 | 21 26 | 12 22 | 16 23 | 6 52 |
| S 22 | 10 6 | 15 45 | 1 35 | 10 41 | 1 47 | 9 42 | 1 27 | 15 59 | 1 41 | 2 57 | 1 7 | 11 3 | 2 36 | 14 18 | 0 25 | 1 28 | 1 14 | 22 56 | 4 20 | 21 24 | 21 26 | 12 25 | 16 23 | 6 51 |
| M23 | 9 44 | 19 36 | 0 34 | 9 55 | 1 42 | 9 14 | 1 27 | 16 5 | 1 41 | 3 2 | 1 7 | 11 2 | 2 37 | 14 18 | 0 25 | 1 28 | 1 14 | 22 56 | 4 21 | 21 24 | 21 25 | 12 28 | 16 24 | 6 51 |
| T 24 | 9 22 | 22 41 | 0n29 | 9 8 | 1 37 | 8 45 | 1 27 | 16 11 | 1 41 | 3 8 | 1 7 | 11 2 | 2 37 | 14 19 | 0 25 | 1 27 | 1 14 | 22 57 | 4 21 | 21 24 | 21 25 | 12 31 | 16 24 | 6 51 |
| W25 | 8 59 | 24 49 | 1 32 | 8 19 | 1 31 | 8 17 | 1 27 | 16 16 | 1 41 | 3 13 | 1 7 | 11 1 | 2 37 | 14 20 | 0 25 | 1 26 | 1 14 | 22 57 | 4 21 | 21 24 | 21 24 | 12 33 | 16 25 | 6 50 |
| T 26 | 8 37 | 25 46 | 2 31 | 7 30 | 1 25 | 7 48 | 1 27 | 16 22 | 1 41 | 3 18 | 1 7 | 11 0 | 2 37 | 14 20 | 0 24 | 1 25 | 1 14 | 22 57 | 4 21 | 21 23 | 21 23 | 12 36 | 16 25 | 6 50 |
| F 27 | 8 14 | 25 25 | 3 25 | 6 40 | 1 18 | 7 19 | 1 27 | 16 27 | 1 40 | 3 24 | 1 6 | 11 0 | 2 37 | 14 21 | 0 24 | 1 24 | 1 13 | 22 57 | 4 21 | 21 22 | 21 23 | 12 39 | 16 26 | 6 49 |
| S 28 | 7s52 | 23n38 | 4n10 | 5s48 | 1s10 | 6s50 | 1s26 | 16s33 | 1n40 | 3n29 | 1s 6 | 10s59 | 2n38 | 14n22 | 0s24 | 1s23 | 1s13 | 22n58 | 4n21 | 21n21 | 21n22 | 12n42 | 16n26 | 6s49 |

Julian Day Number = 2520607.5, Delta T = 152.71 sec
Ecliptic obliquity = 23°24'56, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°22'58, Lahiri = 26°29'58

# ASTRODIENST EPHEMERIS for the year 2189
## geocentric

## MARCH 2189 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 37 19 | 10♓52'02 | 16♌ 8 | 19♓54 | 17♓18 | 21♏58 | 11♈37 | 5°R51 | 9♉52 | 29♓22 | 5°R58 | 6°R13 | 6♊27 | 10♉20 | 6°R45 | S 1 |
| M 2 | 10 41 15 | 11°52'18 | 0♍10 | 21°47 | 18°33 | 22°17 | 11°50 | 5♏49 | 9°54 | 29°24 | 5♌57 | 6♊ 1 | 6°24 | 10°26 | 6♋44 | M 2 |
| T 3 | 10 45 12 | 12°52'33 | 14°32 | 23°39 | 19°48 | 22°35 | 12° 4 | 5°47 | 9°56 | 29°27 | 5°56 | 5°49 | 6°20 | 10°33 | 6°44 | T 3 |
| W 4 | 10 49 8 | 13°52'45 | 29° 9 | 25°31 | 21° 3 | 22°53 | 12°18 | 5°45 | 9°58 | 29°29 | 5°55 | 5°37 | 6°17 | 10°40 | 6°43 | W 4 |
| T 5 | 10 53 5 | 14°52'56 | 13♎52 | 27°21 | 22°18 | 23°11 | 12°31 | 5°43 | 10° 0 | 29°31 | 5°54 | 5°28 | 6°14 | 10°46 | 6°42 | T 5 |
| F 6 | 10 57 1 | 15°53'05 | 28°34 | 29°10 | 23°33 | 23°28 | 12°45 | 5°41 | 10° 3 | 29°33 | 5°53 | 5°21 | 6°11 | 10°53 | 6°42 | F 6 |
| S 7 | 11 0 58 | 16°53'13 | 13♏ 8 | 0♈57 | 24°48 | 23°45 | 12°59 | 5°39 | 10° 5 | 29°35 | 5°52 | 5°17 | 6° 8 | 11° 0 | 6°41 | S 7 |
| S 8 | 11 4 54 | 17°53'19 | 27°30 | 2°42 | 26° 2 | 24° 2 | 13°13 | 5°37 | 10° 8 | 29°38 | 5°51 | 5°15 | 6° 4 | 11° 6 | 6°41 | S 8 |
| M 9 | 11 8 51 | 18°53'23 | 11♐38 | 4°23 | 27°17 | 24°18 | 13°27 | 5°34 | 10°10 | 29°40 | 5°50 | 5°15 | 6° 1 | 11°13 | 6°41 | M 9 |
| T 10 | 11 12 48 | 19°53'27 | 25°30 | 6° 1 | 28°32 | 24°33 | 13°41 | 5°32 | 10°12 | 29°42 | 5°49 | 5°15 | 5°58 | 11°20 | 6°41 | T 10 |
| W11 | 11 16 44 | 20°53'28 | 9♑ 8 | 7°35 | 29°47 | 24°49 | 13°54 | 5°29 | 10°15 | 29°44 | 5°48 | 5°14 | 5°55 | 11°26 | 6°D41 | W11 |
| T 12 | 11 20 41 | 21°53'28 | 22°33 | 9° 5 | 1♈ 2 | 25° 3 | 14° 8 | 5°27 | 10°17 | 29°47 | 5°47 | 5°11 | 5°52 | 11°33 | 6°41 | T 12 |
| F 13 | 11 24 37 | 22°53'27 | 5♒44 | 10°30 | 2°16 | 25°17 | 14°22 | 5°24 | 10°20 | 29°49 | 5°47 | 5° 4 | 5°49 | 11°40 | 6°41 | F 13 |
| S 14 | 11 28 34 | 23°53'23 | 18°44 | 11°49 | 3°31 | 25°31 | 14°37 | 5°21 | 10°23 | 29°51 | 5°46 | 4°55 | 5°45 | 11°46 | 6°41 | S 14 |
| S 15 | 11 32 30 | 24°53'18 | 1♓33 | 13° 2 | 4°46 | 25°44 | 14°51 | 5°18 | 10°25 | 29°53 | 5°45 | 4°44 | 5°42 | 11°53 | 6°41 | S 15 |
| M16 | 11 36 27 | 25°53'11 | 14°10 | 14° 8 | 6° 1 | 25°57 | 15° 5 | 5°15 | 10°28 | 29°56 | 5°44 | 4°31 | 5°39 | 12° 0 | 6°42 | M16 |
| T 17 | 11 40 23 | 26°53'02 | 26°36 | 15° 7 | 7°15 | 26° 9 | 15°19 | 5°12 | 10°31 | 29°58 | 5°43 | 4°19 | 5°36 | 12° 6 | 6°42 | T 17 |
| W18 | 11 44 20 | 27°52'51 | 8♈51 | 15°59 | 8°30 | 26°20 | 15°33 | 5° 9 | 10°33 | 0♈ 0 | 5°43 | 4° 7 | 5°33 | 12°13 | 6°43 | W18 |
| T 19 | 11 48 16 | 28°52'39 | 20°56 | 16°44 | 9°45 | 26°31 | 15°47 | 5° 6 | 10°36 | 0° 3 | 5°42 | 3°57 | 5°30 | 12°20 | 6°43 | T 19 |
| F 20 | 11 52 13 | 29°52'24 | 2♉51 | 17°20 | 10°59 | 26°41 | 16° 2 | 5° 3 | 10°39 | 0° 5 | 5°41 | 3°50 | 5°26 | 12°26 | 6°44 | F 20 |
| S 21 | 11 56 10 | 0♈52'07 | 14°41 | 17°49 | 12°14 | 26°51 | 16°16 | 5° 0 | 10°42 | 0° 7 | 5°40 | 3°46 | 5°23 | 12°33 | 6°45 | S 21 |
| S 22 | 12 0 6 | 1°51'48 | 26°27 | 18° 9 | 13°28 | 27° 0 | 16°30 | 4°56 | 10°44 | 0° 9 | 5°40 | 3°44 | 5°20 | 12°40 | 6°46 | S 22 |
| M23 | 12 4 3 | 2°51'26 | 8♊15 | 18°20 | 14°43 | 27° 9 | 16°44 | 4°53 | 10°47 | 0°12 | 5°39 | 3°D43 | 5°17 | 12°46 | 6°47 | M23 |
| T 24 | 12 7 59 | 3°51'03 | 20° 9 | 18°R24 | 15°58 | 27°17 | 16°59 | 4°49 | 10°50 | 0°14 | 5°38 | 3°44 | 5°14 | 12°53 | 6°48 | T 24 |
| W25 | 12 11 56 | 4°50'37 | 2♋14 | 18°20 | 17°12 | 27°24 | 17°13 | 4°46 | 10°53 | 0°16 | 5°38 | 3°R45 | 5°10 | 13° 0 | 6°49 | W25 |
| T 26 | 12 15 52 | 5°50'09 | 14°35 | 18° 8 | 18°26 | 27°31 | 17°28 | 4°42 | 10°56 | 0°18 | 5°37 | 3°44 | 5° 7 | 13° 6 | 6°50 | T 26 |
| F 27 | 12 19 49 | 6°49'39 | 27°18 | 17°49 | 19°41 | 27°37 | 17°42 | 4°38 | 10°59 | 0°21 | 5°37 | 3°42 | 5° 4 | 13°13 | 6°51 | F 27 |
| S 28 | 12 23 45 | 7°49'06 | 10♌27 | 17°23 | 20°55 | 27°43 | 17°56 | 4°34 | 11° 2 | 0°23 | 5°36 | 3°38 | 5° 1 | 13°19 | 6°53 | S 28 |
| S 29 | 12 27 42 | 8°48'31 | 24° 5 | 16°50 | 22°10 | 27°47 | 18°11 | 4°30 | 11° 5 | 0°25 | 5°36 | 3°32 | 4°58 | 13°26 | 6°54 | S 29 |
| M30 | 12 31 39 | 9°47'54 | 8♍10 | 16°13 | 23°24 | 27°51 | 18°25 | 4°27 | 11° 8 | 0°27 | 5°35 | 3°24 | 4°55 | 13°33 | 6°56 | M30 |
| T 31 | 12 35 35 | 10♈47'15 | 22♍42 | 15♈31 | 24♈38 | 27♏55 | 18♈40 | 4♏23 | 11♉11 | 0♈30 | 5♌35 | 3♊15 | 4♊51 | 13♉39 | 6♋58 | 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 | 7s29 | 20n28 | 4n42 | 4s56 | 1s 2 | 6s20 | 1s26 | 16s38 | 1n40 | 3n34 | 1s 6 | 10s58 | 2n38 | 14n22 | 0s24 | 1s22 | 1s13 | 22n58 | 4n21 | 21n19 | 21n22 | 12n45 | 16n27 | 6s48 |
| M 2 | 7 6 | 16 4 | 4 59 | 4 4 | 0 53 | 5 51 | 1 26 | 16 43 | 1 40 | 3 40 | 1 6 | 10 57 | 2 38 | 14 23 | 0 24 | 1 22 | 1 13 | 22 58 | 4 21 | 21 17 | 21 21 | 12 48 | 16 28 | 6 48 |
| T 3 | 6 43 | 10 39 | 4 57 | 3 11 | 0 43 | 5 21 | 1 26 | 16 48 | 1 39 | 3 45 | 1 6 | 10 57 | 2 38 | 14 24 | 0 24 | 1 21 | 1 13 | 22 59 | 4 21 | 21 15 | 21 21 | 12 50 | 16 28 | 6 47 |
| W 4 | 6 20 | 4 33 | 4 36 | 2 17 | 0 33 | 4 51 | 1 25 | 16 53 | 1 39 | 3 51 | 1 6 | 10 56 | 2 39 | 14 24 | 0 24 | 1 20 | 1 13 | 22 59 | 4 21 | 21 13 | 21 20 | 12 53 | 16 29 | 6 47 |
| T 5 | 5 57 | 1s50 | 3 56 | 1 23 | 0 22 | 4 21 | 1 25 | 16 57 | 1 39 | 3 56 | 1 6 | 10 55 | 2 39 | 14 25 | 0 24 | 1 19 | 1 13 | 22 59 | 4 21 | 21 12 | 21 20 | 12 56 | 16 29 | 6 46 |
| F 6 | 5 34 | 8 8 | 3 1 | 0 30 | 0 11 | 3 51 | 1 24 | 17 2 | 1 38 | 4 1 | 1 6 | 10 54 | 2 39 | 14 26 | 0 24 | 1 18 | 1 13 | 22 59 | 4 21 | 21 10 | 21 19 | 12 59 | 16 30 | 6 46 |
| S 7 | 5 10 | 13 57 | 1 54 | 0n23 | 0n 1 | 3 21 | 1 23 | 17 7 | 1 38 | 4 7 | 1 6 | 10 53 | 2 39 | 14 27 | 0 24 | 1 17 | 1 13 | 23 0 | 4 21 | 21 10 | 21 19 | 13 2 | 16 30 | 6 45 |
| S 8 | 4 47 | 18 55 | 0 41 | 1 16 | 0 13 | 2 50 | 1 23 | 17 11 | 1 38 | 4 12 | 1 6 | 10 52 | 2 39 | 14 27 | 0 24 | 1 16 | 1 13 | 23 0 | 4 21 | 21 9 | 21 18 | 13 5 | 16 31 | 6 45 |
| M 9 | 4 24 | 22 43 | 0s34 | 2 8 | 0 26 | 2 20 | 1 22 | 17 15 | 1 37 | 4 18 | 1 5 | 10 51 | 2 40 | 14 28 | 0 24 | 1 15 | 1 13 | 23 0 | 4 21 | 21 9 | 21 17 | 13 7 | 16 31 | 6 44 |
| T 10 | 4 0 | 25 5 | 1 45 | 2 59 | 0 39 | 1 49 | 1 21 | 17 19 | 1 37 | 4 23 | 1 5 | 10 50 | 2 40 | 14 29 | 0 24 | 1 15 | 1 13 | 23 0 | 4 21 | 21 9 | 21 17 | 13 10 | 16 32 | 6 44 |
| W11 | 3 36 | 25 55 | 2 49 | 3 48 | 0 52 | 1 19 | 1 20 | 17 23 | 1 36 | 4 29 | 1 5 | 10 49 | 2 40 | 14 30 | 0 24 | 1 14 | 1 13 | 23 0 | 4 21 | 21 9 | 21 16 | 13 13 | 16 32 | 6 43 |
| T 12 | 3 13 | 25 12 | 3 43 | 4 36 | 1 5 | 0 48 | 1 19 | 17 27 | 1 36 | 4 34 | 1 5 | 10 48 | 2 40 | 14 31 | 0 24 | 1 13 | 1 13 | 23 1 | 4 21 | 21 9 | 21 16 | 13 16 | 16 33 | 6 43 |
| F 13 | 2 49 | 23 4 | 4 24 | 5 22 | 1 19 | 0 18 | 1 18 | 17 31 | 1 36 | 4 40 | 1 5 | 10 47 | 2 41 | 14 31 | 0 24 | 1 12 | 1 13 | 23 1 | 4 20 | 21 7 | 21 15 | 13 19 | 16 33 | 6 42 |
| S 14 | 2 25 | 19 47 | 4 50 | 6 5 | 1 32 | 0n13 | 1 17 | 17 35 | 1 35 | 4 45 | 1 5 | 10 46 | 2 41 | 14 32 | 0 24 | 1 11 | 1 13 | 23 1 | 4 20 | 21 6 | 21 15 | 13 21 | 16 34 | 6 42 |
| S 15 | 2 2 | 15 36 | 5 1 | 6 45 | 1 45 | 0 44 | 1 16 | 17 39 | 1 35 | 4 51 | 1 5 | 10 45 | 2 41 | 14 33 | 0 24 | 1 10 | 1 13 | 23 1 | 4 20 | 21 4 | 21 14 | 13 24 | 16 34 | 6 41 |
| M16 | 1 38 | 10 48 | 4 58 | 7 23 | 1 58 | 1 14 | 1 15 | 17 42 | 1 34 | 4 56 | 1 5 | 10 44 | 2 41 | 14 34 | 0 24 | 1 9 | 1 13 | 23 1 | 4 20 | 21 1 | 21 14 | 13 27 | 16 35 | 6 41 |
| T 17 | 1 14 | 5 38 | 4 40 | 7 58 | 2 11 | 1 45 | 1 14 | 17 45 | 1 33 | 5 2 | 1 5 | 10 43 | 2 41 | 14 35 | 0 24 | 1 8 | 1 13 | 23 2 | 4 20 | 20 59 | 21 13 | 13 30 | 16 35 | 6 40 |
| W18 | 0 51 | 0 19 | 4 9 | 8 29 | 2 23 | 2 16 | 1 12 | 17 49 | 1 33 | 5 7 | 1 5 | 10 41 | 2 41 | 14 36 | 0 24 | 1 7 | 1 13 | 23 2 | 4 20 | 20 57 | 21 12 | 13 32 | 16 36 | 6 40 |
| T 19 | 0 27 | 4n57 | 3 27 | 8 57 | 2 35 | 2 46 | 1 11 | 17 52 | 1 32 | 5 13 | 1 5 | 10 40 | 2 42 | 14 37 | 0 24 | 1 6 | 1 13 | 23 2 | 4 20 | 20 55 | 21 12 | 13 35 | 16 36 | 6 39 |
| F 20 | 0 3 | 10 0 | 2 37 | 9 21 | 2 45 | 3 17 | 1 10 | 17 55 | 1 31 | 5 18 | 1 5 | 10 39 | 2 42 | 14 37 | 0 24 | 1 6 | 1 13 | 23 2 | 4 20 | 20 54 | 21 11 | 13 38 | 16 37 | 6 38 |
| S 21 | 0n21 | 14 38 | 1 40 | 9 40 | 2 55 | 3 47 | 1 8 | 17 58 | 1 31 | 5 24 | 1 5 | 10 38 | 2 42 | 14 38 | 0 24 | 1 5 | 1 13 | 23 2 | 4 20 | 20 53 | 21 11 | 13 41 | 16 37 | 6 38 |
| S 22 | 0 44 | 18 43 | 0 39 | 9 56 | 3 3 | 4 17 | 1 7 | 18 0 | 1 30 | 5 29 | 1 5 | 10 36 | 2 42 | 14 39 | 0 24 | 1 4 | 1 14 | 23 2 | 4 20 | 20 53 | 21 10 | 13 44 | 16 38 | 6 37 |
| M23 | 1 8 | 22 4 | 0n24 | 10 7 | 3 11 | 4 48 | 1 5 | 18 3 | 1 29 | 5 35 | 1 4 | 10 35 | 2 42 | 14 40 | 0 24 | 1 3 | 1 14 | 23 3 | 4 20 | 20 53 | 21 10 | 13 46 | 16 38 | 6 37 |
| T 24 | 1 32 | 24 30 | 1 27 | 10 14 | 3 17 | 5 18 | 1 3 | 18 6 | 1 29 | 5 40 | 1 4 | 10 34 | 2 42 | 14 41 | 0 24 | 1 2 | 1 14 | 23 3 | 4 20 | 20 53 | 21 9 | 13 49 | 16 39 | 6 36 |
| W25 | 1 55 | 25 50 | 2 27 | 10 17 | 3 22 | 5 48 | 1 2 | 18 8 | 1 28 | 5 46 | 1 4 | 10 32 | 2 43 | 14 42 | 0 24 | 1 1 | 1 14 | 23 3 | 4 20 | 20 53 | 21 9 | 13 52 | 16 39 | 6 36 |
| T 26 | 2 19 | 25 57 | 3 21 | 10 15 | 3 25 | 6 18 | 1 0 | 18 10 | 1 27 | 5 51 | 1 4 | 10 31 | 2 43 | 14 43 | 0 24 | 1 0 | 1 14 | 23 3 | 4 20 | 20 53 | 21 8 | 13 55 | 16 39 | 6 35 |
| F 27 | 2 42 | 24 43 | 4 7 | 10 9 | 3 26 | 6 48 | 0 58 | 18 13 | 1 26 | 5 57 | 1 4 | 10 30 | 2 43 | 14 44 | 0 24 | 0 59 | 1 14 | 23 3 | 4 20 | 20 52 | 21 7 | 13 57 | 16 40 | 6 35 |
| S 28 | 3 6 | 22 7 | 4 42 | 9 59 | 3 26 | 7 17 | 0 56 | 18 15 | 1 25 | 6 2 | 1 4 | 10 28 | 2 43 | 14 45 | 0 24 | 0 58 | 1 14 | 23 3 | 4 20 | 20 51 | 21 7 | 14 0 | 16 40 | 6 34 |
| S 29 | 3 29 | 18 14 | 5 2 | 9 45 | 3 24 | 7 47 | 0 54 | 18 17 | 1 24 | 6 8 | 1 4 | 10 27 | 2 43 | 14 46 | 0 24 | 0 57 | 1 14 | 23 3 | 4 20 | 20 50 | 21 6 | 14 3 | 16 41 | 6 34 |
| M30 | 3 53 | 13 13 | 5 5 | 9 27 | 3 20 | 8 16 | 0 52 | 18 19 | 1 23 | 6 14 | 1 4 | 10 25 | 2 43 | 14 47 | 0 24 | 0 57 | 1 14 | 23 3 | 4 20 | 20 49 | 21 6 | 14 6 | 16 41 | 6 33 |
| T 31 | 4n16 | 7n19 | 4n49 | 9n 6 | 3n15 | 8n45 | 0s51 | 18s20 | 1n22 | 6n19 | 1s 4 | 10s24 | 2n43 | 14n48 | 0s24 | 0s56 | 1s14 | 23n 3 | 4n20 | 20n47 | 21n 5 | 14n 9 | 16n42 | 6s33 |

Julian Day Number = 2520635.5, Delta T = 152.78 sec
Ecliptic obliquity = 23°24'57, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°23'01, Lahiri = 26°30'02

# ASTRODIENST EPHEMERIS for the year 2189
# geocentric

## APRIL 2189 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 39 32 | 11♈46'33 | 7♎33 | 14°R45 | 25♈53 | 27♏58 | 18♈54 | 4°R19 | 11♉14 | 0♈32 | 5°R34 | 3°R 7 | 4♊48 | 13♉46 | 6♋59 | W 1 |
| T 2 | 12 43 28 | 12°45'49 | 22°36 | 13♈57 | 27° 7 | 28° 0 | 19° 9 | 4♏14 | 11°17 | 0°34 | 5♌34 | 3♊ 0 | 4°45 | 13°53 | 7° 1 | T 2 |
| F 3 | 12 47 25 | 13°45'04 | 7♏40 | 13° 7 | 28°21 | 28° 1 | 19°23 | 4°10 | 11°21 | 0°36 | 5°34 | 2°56 | 4°42 | 13°59 | 7° 3 | F 3 |
| S 4 | 12 51 21 | 14°44'16 | 22°37 | 12°17 | 29°35 | 28°R 2 | 19°38 | 4° 6 | 11°24 | 0°39 | 5°33 | 2°54 | 4°39 | 14° 6 | 7° 5 | S 4 |
| S 5 | 12 55 18 | 15°43'27 | 7♐20 | 11°27 | 0♉49 | 28° 2 | 19°52 | 4° 2 | 11°27 | 0°41 | 5°33 | 2°D53 | 4°36 | 14°13 | 7° 7 | S 5 |
| M 6 | 12 59 14 | 16°42'36 | 21°44 | 10°39 | 2° 4 | 28° 1 | 20° 7 | 3°58 | 11°30 | 0°43 | 5°33 | 2°54 | 4°32 | 14°19 | 7° 9 | M 6 |
| T 7 | 13 3 11 | 17°41'44 | 5♑46 | 9°53 | 3°18 | 27°59 | 20°21 | 3°53 | 11°33 | 0°45 | 5°32 | 2°55 | 4°29 | 14°26 | 7°12 | T 7 |
| W 8 | 13 7 8 | 18°40'49 | 19°26 | 9°10 | 4°32 | 27°57 | 20°36 | 3°49 | 11°37 | 0°48 | 5°32 | 2°R56 | 4°26 | 14°33 | 7°14 | W 8 |
| T 9 | 13 11 4 | 19°39'53 | 2♒46 | 8°31 | 5°46 | 27°54 | 20°50 | 3°45 | 11°40 | 0°50 | 5°32 | 2°55 | 4°23 | 14°39 | 7°16 | T 9 |
| F 10 | 13 15 1 | 20°38'55 | 15°48 | 7°56 | 7° 0 | 27°50 | 21° 5 | 3°40 | 11°43 | 0°52 | 5°32 | 2°52 | 4°20 | 14°46 | 7°19 | F 10 |
| S 11 | 13 18 57 | 21°37'56 | 28°34 | 7°25 | 8°14 | 27°45 | 21°19 | 3°36 | 11°46 | 0°54 | 5°31 | 2°48 | 4°16 | 14°53 | 7°21 | S 11 |
| S 12 | 13 22 54 | 22°36'54 | 11♓ 7 | 7° 0 | 9°28 | 27°40 | 21°34 | 3°32 | 11°50 | 0°56 | 5°31 | 2°42 | 4°13 | 14°59 | 7°24 | S 12 |
| M13 | 13 26 50 | 23°35'51 | 23°28 | 6°40 | 10°42 | 27°33 | 21°48 | 3°27 | 11°53 | 0°58 | 5°31 | 2°35 | 4°10 | 15° 6 | 7°27 | M13 |
| T 14 | 13 30 47 | 24°34'45 | 5♈38 | 6°25 | 11°56 | 27°26 | 22° 3 | 3°23 | 11°56 | 1° 0 | 5°31 | 2°27 | 4° 7 | 15°13 | 7°30 | T 14 |
| W15 | 13 34 43 | 25°33'38 | 17°41 | 6°15 | 13°10 | 27°19 | 22°17 | 3°18 | 12° 0 | 1° 3 | 5°31 | 2°21 | 4° 4 | 15°19 | 7°32 | W15 |
| T 16 | 13 38 40 | 26°32'29 | 29°36 | 6°D11 | 14°24 | 27°10 | 22°32 | 3°13 | 12° 3 | 1° 5 | 5°31 | 2°15 | 4° 1 | 15°26 | 7°35 | T 16 |
| F 17 | 13 42 37 | 27°31'18 | 11♉27 | 6°12 | 15°37 | 27° 1 | 22°46 | 3° 9 | 12° 6 | 1° 7 | 5°D31 | 2°12 | 3°57 | 15°33 | 7°38 | F 17 |
| S 18 | 13 46 33 | 28°30'05 | 23°14 | 6°18 | 16°51 | 26°51 | 23° 1 | 3° 4 | 12°10 | 1° 9 | 5°31 | 2°10 | 3°54 | 15°39 | 7°41 | S 18 |
| S 19 | 13 50 30 | 29°28'50 | 5♊ 1 | 6°29 | 18° 5 | 26°40 | 23°15 | 3° 0 | 12°13 | 1°11 | 5°31 | 2°D 9 | 3°51 | 15°46 | 7°45 | S 19 |
| M20 | 13 54 26 | 0♉27'33 | 16°50 | 6°45 | 19°19 | 26°29 | 23°29 | 2°55 | 12°17 | 1°13 | 5°31 | 2°10 | 3°48 | 15°52 | 7°48 | M20 |
| T 21 | 13 58 23 | 1°26'14 | 28°46 | 7° 6 | 20°32 | 26°16 | 23°44 | 2°51 | 12°20 | 1°15 | 5°31 | 2°12 | 3°45 | 15°59 | 7°51 | T 21 |
| W22 | 14 2 19 | 2°24'52 | 10♋52 | 7°32 | 21°46 | 26° 3 | 23°58 | 2°46 | 12°23 | 1°17 | 5°31 | 2°13 | 3°41 | 16° 6 | 7°55 | W22 |
| T 23 | 14 6 16 | 3°23'29 | 23°13 | 8° 1 | 23° 0 | 25°50 | 24°13 | 2°41 | 12°27 | 1°19 | 5°31 | 2°15 | 3°38 | 16°12 | 7°58 | T 23 |
| F 24 | 14 10 12 | 4°22'03 | 5♌53 | 8°35 | 24°13 | 25°35 | 24°27 | 2°37 | 12°30 | 1°21 | 5°31 | 2°R15 | 3°35 | 16°19 | 8° 2 | F 24 |
| S 25 | 14 14 9 | 5°20'35 | 18°57 | 9°13 | 25°27 | 25°20 | 24°42 | 2°32 | 12°34 | 1°23 | 5°32 | 2°14 | 3°32 | 16°26 | 8° 5 | S 25 |
| S 26 | 14 18 6 | 6°19'05 | 2♍27 | 9°55 | 26°40 | 25° 4 | 24°56 | 2°28 | 12°37 | 1°25 | 5°32 | 2°12 | 3°29 | 16°32 | 8° 9 | S 26 |
| M27 | 14 22 2 | 7°17'32 | 16°26 | 10°40 | 27°54 | 24°48 | 25°10 | 2°23 | 12°41 | 1°27 | 5°32 | 2°10 | 3°26 | 16°39 | 8°13 | M27 |
| T 28 | 14 25 59 | 8°15'58 | 0♎52 | 11°28 | 29° 7 | 24°31 | 25°25 | 2°19 | 12°44 | 1°29 | 5°32 | 2° 6 | 3°22 | 16°46 | 8°16 | T 28 |
| W29 | 14 29 55 | 9°14'21 | 15°42 | 12°20 | 0♊21 | 24°14 | 25°39 | 2°14 | 12°48 | 1°31 | 5°33 | 2° 3 | 3°19 | 16°52 | 8°20 | W29 |
| T 30 | 14 33 52 | 10♉12'42 | 0♏47 | 13♈16 | 1♊34 | 23♏56 | 25♈53 | 2♏ 9 | 12♉51 | 1♈33 | 5♌33 | 2♊ 1 | 3♊16 | 16♉59 | 8♋24 | 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 | 4n39 | 0n53 | 4n13 | 8n41 | 3n 7 | 9n14 | 0s48 | 18s22 | 1n21 | 6n25 | 1s 4 | 10s23 | 2n43 | 14n49 | 0s24 | 0s55 | 1s14 | 23n 3 | 4n20 | 20n46 | 21n 5 | 14n11 | 16n42 | 6s32 |
| T 2 | 5 2 | 5s42 | 3 20 | 8 14 | 2 58 | 9 43 | 0 46 | 18 24 | 1 20 | 6 30 | 1 4 | 10 21 | 2 44 | 14 50 | 0 24 | 0 54 | 1 14 | 23 4 | 4 20 | 20 44 | 21 4 | 14 14 | 16 43 | 6 32 |
| F 3 | 5 25 | 11 59 | 2 12 | 7 45 | 2 48 | 10 11 | 0 44 | 18 25 | 1 19 | 6 36 | 1 4 | 10 20 | 2 44 | 14 51 | 0 24 | 0 53 | 1 14 | 23 4 | 4 20 | 20 43 | 21 3 | 14 17 | 16 43 | 6 31 |
| S 4 | 5 48 | 17 31 | 0 55 | 7 15 | 2 36 | 10 39 | 0 42 | 18 26 | 1 18 | 6 41 | 1 4 | 10 18 | 2 44 | 14 52 | 0 24 | 0 52 | 1 14 | 23 4 | 4 20 | 20 43 | 21 3 | 14 20 | 16 43 | 6 31 |
| S 5 | 6 11 | 21 54 | 0s24 | 6 43 | 2 23 | 11 7 | 0 40 | 18 27 | 1 17 | 6 47 | 1 4 | 10 17 | 2 44 | 14 53 | 0 24 | 0 51 | 1 14 | 23 4 | 4 20 | 20 43 | 21 2 | 14 22 | 16 44 | 6 30 |
| M 6 | 6 34 | 24 49 | 1 40 | 6 11 | 2 9 | 11 35 | 0 38 | 18 28 | 1 15 | 6 52 | 1 4 | 10 15 | 2 44 | 14 54 | 0 24 | 0 50 | 1 14 | 23 4 | 4 20 | 20 43 | 21 2 | 14 25 | 16 44 | 6 30 |
| T 7 | 6 56 | 26 6 | 2 48 | 5 39 | 1 54 | 12 3 | 0 36 | 18 29 | 1 14 | 6 57 | 1 4 | 10 14 | 2 44 | 14 55 | 0 24 | 0 50 | 1 14 | 23 4 | 4 20 | 20 43 | 21 1 | 14 28 | 16 44 | 6 29 |
| W 8 | 7 19 | 25 43 | 3 45 | 5 8 | 1 38 | 12 30 | 0 33 | 18 30 | 1 13 | 7 3 | 1 4 | 10 12 | 2 44 | 14 56 | 0 24 | 0 49 | 1 14 | 23 4 | 4 20 | 20 43 | 21 0 | 14 31 | 16 45 | 6 29 |
| T 9 | 7 41 | 23 52 | 4 28 | 4 38 | 1 22 | 12 57 | 0 31 | 18 31 | 1 11 | 7 8 | 1 4 | 10 11 | 2 44 | 14 57 | 0 24 | 0 48 | 1 14 | 23 4 | 4 20 | 20 43 | 21 0 | 14 33 | 16 45 | 6 28 |
| F 10 | 8 3 | 20 47 | 4 56 | 4 9 | 1 6 | 13 23 | 0 29 | 18 31 | 1 10 | 7 14 | 1 4 | 10 9 | 2 44 | 14 58 | 0 24 | 0 47 | 1 14 | 23 4 | 4 20 | 20 43 | 20 59 | 14 36 | 16 46 | 6 28 |
| S 11 | 8 25 | 16 47 | 5 9 | 3 42 | 0 50 | 13 49 | 0 26 | 18 32 | 1 8 | 7 19 | 1 4 | 10 8 | 2 44 | 14 59 | 0 24 | 0 46 | 1 14 | 23 4 | 4 20 | 20 42 | 20 59 | 14 39 | 16 46 | 6 27 |
| S 12 | 8 47 | 12 7 | 5 6 | 3 17 | 0 33 | 14 15 | 0 24 | 18 32 | 1 7 | 7 25 | 1 4 | 10 6 | 2 44 | 15 0 | 0 24 | 0 45 | 1 14 | 23 4 | 4 20 | 20 41 | 20 58 | 14 41 | 16 46 | 6 27 |
| M13 | 9 9 | 7 2 | 4 50 | 2 54 | 0 17 | 14 41 | 0 21 | 18 32 | 1 5 | 7 30 | 1 4 | 10 4 | 2 44 | 15 1 | 0 24 | 0 45 | 1 14 | 23 4 | 4 20 | 20 39 | 20 58 | 14 44 | 16 47 | 6 26 |
| T 14 | 9 31 | 1 44 | 4 20 | 2 34 | 0 2 | 15 6 | 0 19 | 18 32 | 1 4 | 7 36 | 1 4 | 10 3 | 2 44 | 15 2 | 0 24 | 0 44 | 1 14 | 23 4 | 4 19 | 20 38 | 20 57 | 14 47 | 16 47 | 6 26 |
| W15 | 9 52 | 3n34 | 3 39 | 2 16 | 0s14 | 15 31 | 0 16 | 18 32 | 1 2 | 7 41 | 1 4 | 10 1 | 2 45 | 15 3 | 0 24 | 0 43 | 1 14 | 23 4 | 4 19 | 20 37 | 20 56 | 14 50 | 16 47 | 6 26 |
| T 16 | 10 14 | 8 42 | 2 48 | 2 1 | 0 29 | 15 55 | 0 14 | 18 32 | 1 0 | 7 46 | 1 4 | 10 0 | 2 45 | 15 4 | 0 24 | 0 42 | 1 14 | 23 4 | 4 19 | 20 36 | 20 56 | 14 52 | 16 47 | 6 25 |
| F 17 | 10 35 | 13 30 | 1 51 | 1 48 | 0 43 | 16 19 | 0 11 | 18 32 | 0 58 | 7 52 | 1 4 | 9 58 | 2 45 | 15 5 | 0 24 | 0 41 | 1 14 | 23 4 | 4 19 | 20 35 | 20 55 | 14 55 | 16 48 | 6 25 |
| S 18 | 10 56 | 17 47 | 0 49 | 1 38 | 0 56 | 16 43 | 0 9 | 18 31 | 0 57 | 7 57 | 1 4 | 9 57 | 2 45 | 15 6 | 0 23 | 0 40 | 1 14 | 23 4 | 4 19 | 20 34 | 20 55 | 14 58 | 16 48 | 6 24 |
| S 19 | 11 17 | 21 22 | 0n16 | 1 31 | 1 9 | 17 6 | 0 6 | 18 30 | 0 55 | 8 2 | 1 4 | 9 55 | 2 45 | 15 7 | 0 23 | 0 40 | 1 14 | 23 4 | 4 19 | 20 34 | 20 54 | 15 1 | 16 48 | 6 24 |
| M20 | 11 37 | 24 5 | 1 20 | 1 26 | 1 22 | 17 29 | 0 4 | 18 30 | 0 53 | 8 8 | 1 4 | 9 54 | 2 45 | 15 8 | 0 23 | 0 39 | 1 14 | 23 4 | 4 19 | 20 34 | 20 53 | 15 3 | 16 49 | 6 23 |
| T 21 | 11 58 | 25 45 | 2 21 | 1 23 | 1 33 | 17 51 | 0 1 | 18 29 | 0 51 | 8 13 | 1 4 | 9 52 | 2 45 | 15 9 | 0 23 | 0 38 | 1 14 | 23 3 | 4 19 | 20 35 | 20 53 | 15 6 | 16 49 | 6 23 |
| W22 | 12 18 | 26 14 | 3 17 | 1 24 | 1 44 | 18 13 | 0n 1 | 18 28 | 0 49 | 8 18 | 1 4 | 9 50 | 2 45 | 15 10 | 0 23 | 0 37 | 1 14 | 23 3 | 4 19 | 20 35 | 20 52 | 15 9 | 16 49 | 6 22 |
| T 23 | 12 38 | 25 26 | 4 5 | 1 26 | 1 54 | 18 34 | 0 4 | 18 26 | 0 47 | 8 24 | 1 4 | 9 49 | 2 45 | 15 11 | 0 23 | 0 37 | 1 14 | 23 3 | 4 19 | 20 35 | 20 52 | 15 11 | 16 49 | 6 22 |
| F 24 | 12 58 | 23 20 | 4 42 | 1 31 | 2 3 | 18 55 | 0 7 | 18 25 | 0 45 | 8 29 | 1 4 | 9 47 | 2 45 | 15 12 | 0 23 | 0 36 | 1 14 | 23 3 | 4 19 | 20 35 | 20 51 | 15 14 | 16 50 | 6 21 |
| S 25 | 13 17 | 19 58 | 5 6 | 1 38 | 2 12 | 19 15 | 0 9 | 18 24 | 0 42 | 8 34 | 1 4 | 9 46 | 2 45 | 15 13 | 0 23 | 0 35 | 1 14 | 23 3 | 4 19 | 20 35 | 20 50 | 15 17 | 16 50 | 6 21 |
| S 26 | 13 37 | 15 29 | 5 14 | 1 47 | 2 20 | 19 35 | 0 12 | 18 22 | 0 40 | 8 39 | 1 4 | 9 44 | 2 45 | 15 14 | 0 23 | 0 34 | 1 14 | 23 3 | 4 19 | 20 35 | 20 50 | 15 19 | 16 50 | 6 21 |
| M27 | 13 56 | 10 2 | 5 5 | 1 58 | 2 27 | 19 55 | 0 15 | 18 20 | 0 38 | 8 45 | 1 4 | 9 43 | 2 45 | 15 15 | 0 23 | 0 34 | 1 14 | 23 3 | 4 19 | 20 34 | 20 49 | 15 22 | 16 50 | 6 20 |
| T 28 | 14 15 | 3 52 | 4 36 | 2 11 | 2 33 | 20 13 | 0 17 | 18 18 | 0 36 | 8 50 | 1 4 | 9 41 | 2 44 | 15 16 | 0 23 | 0 33 | 1 14 | 23 3 | 4 19 | 20 34 | 20 49 | 15 25 | 16 50 | 6 20 |
| W29 | 14 34 | 2s40 | 3 48 | 2 26 | 2 39 | 20 32 | 0 20 | 18 16 | 0 33 | 8 55 | 1 4 | 9 40 | 2 44 | 15 17 | 0 23 | 0 32 | 1 14 | 23 3 | 4 19 | 20 33 | 20 48 | 15 28 | 16 51 | 6 19 |
| T 30 | 14n52 | 9s11 | 2n44 | 2n43 | 2s44 | 20n49 | 0n23 | 18s14 | 0n31 | 9n 0 | 1s 4 | 9s38 | 2n44 | 15n19 | 0s23 | 0s31 | 1s14 | 23n 3 | 4n19 | 20n33 | 20n47 | 15n30 | 16n51 | 6s19 |

Julian Day Number = 2520666.5, Delta T = 152.85 sec
Ecliptic obliquity = 23°24'57, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°23'06, Lahiri = 26°30'06

# ASTRODIENST EPHEMERIS for the year 2189
# geocentric

## MAY 2189 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 37 48 | 11♉11'02 | 16♏ 1 | 14♈14 | 2♊48 | 23°R37 | 26♈ 7 | 2°R 5 | 12♉54 | 1♈34 | 5♌33 | 1°R59 | 3♊13 | 17♉ 6 | 8♋28 | F 1 |
| S 2 | 14 41 45 | 12° 9'20 | 1♐12 | 15°15 | 4° 1 | 23♏18 | 26°22 | 2♏ 0 | 12°58 | 1°36 | 5°34 | 1°D59 | 3°10 | 17°12 | 8°32 | S 2 |
| S 3 | 14 45 41 | 13° 7'36 | 16°11 | 16°19 | 5°14 | 22°59 | 26°36 | 1°56 | 13° 1 | 1°38 | 5°34 | 1♊59 | 3° 7 | 17°19 | 8°36 | S 3 |
| M 4 | 14 49 38 | 14° 5'51 | 0♑51 | 17°26 | 6°27 | 22°39 | 26°50 | 1°52 | 13° 5 | 1°40 | 5°34 | 2° 0 | 3° 3 | 17°26 | 8°40 | M 4 |
| T 5 | 14 53 35 | 15° 4'04 | 15° 8 | 18°35 | 7°41 | 22°19 | 27° 4 | 1°47 | 13° 8 | 1°42 | 5°35 | 2° 1 | 3° 0 | 17°32 | 8°45 | T 5 |
| W 6 | 14 57 31 | 16° 2'16 | 28°59 | 19°47 | 8°54 | 21°58 | 27°18 | 1°43 | 13°12 | 1°44 | 5°35 | 2° 2 | 2°57 | 17°39 | 8°49 | W 6 |
| T 7 | 15 1 28 | 17° 0'27 | 12♒25 | 21° 1 | 10° 7 | 21°37 | 27°32 | 1°38 | 13°15 | 1°45 | 5°36 | 2°R 3 | 2°54 | 17°46 | 8°53 | T 7 |
| F 8 | 15 5 24 | 17°58'35 | 25°27 | 22°17 | 11°20 | 21°16 | 27°46 | 1°34 | 13°19 | 1°47 | 5°36 | 2° 3 | 2°51 | 17°52 | 8°58 | F 8 |
| S 9 | 15 9 21 | 18°56'43 | 8♓ 9 | 23°36 | 12°33 | 20°54 | 28° 0 | 1°30 | 13°22 | 1°49 | 5°37 | 2° 2 | 2°47 | 17°59 | 9° 2 | S 9 |
| S 10 | 15 13 17 | 19°54'49 | 20°33 | 24°58 | 13°46 | 20°32 | 28°14 | 1°26 | 13°26 | 1°50 | 5°37 | 2° 1 | 2°44 | 18° 6 | 9° 7 | S 10 |
| M11 | 15 17 14 | 20°52'53 | 2♈44 | 26°21 | 14°59 | 20°11 | 28°28 | 1°21 | 13°29 | 1°52 | 5°38 | 1°59 | 2°41 | 18°12 | 9°11 | M11 |
| T 12 | 15 21 10 | 21°50'56 | 14°45 | 27°47 | 16°12 | 19°49 | 28°42 | 1°17 | 13°32 | 1°54 | 5°39 | 1°58 | 2°38 | 18°19 | 9°16 | T 12 |
| W13 | 15 25 7 | 22°48'58 | 26°39 | 29°14 | 17°25 | 19°27 | 28°56 | 1°13 | 13°36 | 1°55 | 5°39 | 1°56 | 2°35 | 18°25 | 9°20 | W13 |
| T 14 | 15 29 4 | 23°46'58 | 8♉28 | 0♉44 | 18°38 | 19° 5 | 29°10 | 1° 9 | 13°39 | 1°57 | 5°40 | 1°55 | 2°32 | 18°32 | 9°25 | T 14 |
| F 15 | 15 33 0 | 24°44'57 | 20°15 | 2°17 | 19°51 | 18°43 | 29°24 | 1° 5 | 13°43 | 1°58 | 5°41 | 1°55 | 2°28 | 18°39 | 9°30 | F 15 |
| S 16 | 15 36 57 | 25°42'54 | 2♊ 3 | 3°51 | 21° 4 | 18°21 | 29°37 | 1° 1 | 13°46 | 2° 0 | 5°41 | 1°D55 | 2°25 | 18°45 | 9°35 | S 16 |
| S 17 | 15 40 53 | 26°40'50 | 13°53 | 5°27 | 22°17 | 17°59 | 29°51 | 0°57 | 13°50 | 2° 1 | 5°42 | 1°55 | 2°22 | 18°52 | 9°40 | S 17 |
| M18 | 15 44 50 | 27°38'44 | 25°48 | 7° 5 | 23°29 | 17°38 | 0♉ 5 | 0°53 | 13°53 | 2° 3 | 5°43 | 1°55 | 2°19 | 18°59 | 9°45 | M18 |
| T 19 | 15 48 46 | 28°36'37 | 7♋51 | 8°46 | 24°42 | 17°16 | 0°18 | 0°49 | 13°56 | 2° 4 | 5°44 | 1°56 | 2°16 | 19° 5 | 9°50 | T 19 |
| W20 | 15 52 43 | 29°34'28 | 20° 3 | 10°28 | 25°55 | 16°55 | 0°32 | 0°46 | 14° 0 | 2° 6 | 5°44 | 1°56 | 2°13 | 19°12 | 9°55 | W20 |
| T 21 | 15 56 39 | 0♊32'17 | 2♌30 | 12°13 | 27° 7 | 16°35 | 0°45 | 0°42 | 14° 3 | 2° 7 | 5°45 | 1°56 | 2° 9 | 19°19 | 10° 0 | T 21 |
| F 22 | 16 0 36 | 1°30'05 | 15°12 | 14° 0 | 28°20 | 16°14 | 0°59 | 0°38 | 14° 6 | 2° 9 | 5°46 | 1°56 | 2° 6 | 19°25 | 10° 5 | F 22 |
| S 23 | 16 4 33 | 2°27'51 | 28°14 | 15°49 | 29°33 | 15°54 | 1°12 | 0°35 | 14°10 | 2°10 | 5°47 | 1°56 | 2° 3 | 19°32 | 10°10 | S 23 |
| S 24 | 16 8 29 | 3°25'35 | 11♍39 | 17°39 | 0♋45 | 15°35 | 1°26 | 0°31 | 14°13 | 2°11 | 5°48 | 1°56 | 2° 0 | 19°39 | 10°15 | S 24 |
| M25 | 16 12 26 | 4°23'18 | 25°28 | 19°32 | 1°58 | 15°16 | 1°39 | 0°28 | 14°16 | 2°13 | 5°49 | 1°56 | 1°57 | 19°45 | 10°20 | M25 |
| T 26 | 16 16 22 | 5°20'59 | 9♎41 | 21°27 | 3°10 | 14°57 | 1°52 | 0°25 | 14°20 | 2°14 | 5°50 | 1°57 | 1°53 | 19°52 | 10°26 | T 26 |
| W27 | 16 20 19 | 6°18'39 | 24°16 | 23°24 | 4°22 | 14°39 | 2° 5 | 0°21 | 14°23 | 2°15 | 5°51 | 1°57 | 1°50 | 19°59 | 10°31 | W27 |
| T 28 | 16 24 15 | 7°16'17 | 9♏10 | 25°23 | 5°35 | 14°22 | 2°18 | 0°18 | 14°26 | 2°16 | 5°52 | 1°57 | 1°47 | 20° 5 | 10°36 | T 28 |
| F 29 | 16 28 12 | 8°13'53 | 24°16 | 27°24 | 6°47 | 14° 5 | 2°31 | 0°15 | 14°29 | 2°17 | 5°53 | 1°58 | 1°44 | 20°12 | 10°42 | F 29 |
| S 30 | 16 32 8 | 9°11'29 | 9♐24 | 29°27 | 7°59 | 13°49 | 2°44 | 0°12 | 14°33 | 2°19 | 5°54 | 1°R58 | 1°41 | 20°18 | 10°47 | S 30 |
| S 31 | 16 36 5 | 10♊ 9'03 | 24♐27 | 1♊32 | 9♋11 | 13♏34 | 2♉57 | 0♏ 9 | 14♉36 | 2♈20 | 5♌55 | 1♊57 | 1♊38 | 20♉25 | 10♋53 | 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 | 15n10 | 15s13 | 1n27 | 3n 1 | 2s48 | 21n 7 | 0n25 | 18s12 | 0n28 | 9n 5 | 1s 4 | 9s37 | 2n44 | 15n20 | 0s23 | 0s31 | 1s14 | 23n 2 | 4n19 | 20n32 | 20n47 | 15n33 | 16n51 | 6s19 |
| S 2 | 15 28 | 20 18 | 0 4 | 3 21 | 2 52 | 21 23 | 0 28 | 18 10 | 0 26 | 9 10 | 1 4 | 9 35 | 2 44 | 15 21 | 0 23 | 0 30 | 1 14 | 23 2 | 4 19 | 20 32 | 20 46 | 15 36 | 16 51 | 6 18 |
| S 3 | 15 46 | 23 59 | 1s18 | 3 43 | 2 55 | 21 39 | 0 30 | 18 7 | 0 23 | 9 15 | 1 4 | 9 34 | 2 44 | 15 22 | 0 23 | 0 29 | 1 14 | 23 2 | 4 19 | 20 32 | 20 46 | 15 38 | 16 51 | 6 18 |
| M 4 | 16 3 | 25 58 | 2 33 | 4 6 | 2 57 | 21 54 | 0 33 | 18 5 | 0 21 | 9 20 | 1 4 | 9 32 | 2 44 | 15 23 | 0 23 | 0 29 | 1 14 | 23 2 | 4 19 | 20 32 | 20 45 | 15 41 | 16 51 | 6 17 |
| T 5 | 16 20 | 26 9 | 3 37 | 4 31 | 2 59 | 22 9 | 0 36 | 18 2 | 0 18 | 9 25 | 1 4 | 9 31 | 2 44 | 15 24 | 0 23 | 0 28 | 1 14 | 23 2 | 4 19 | 20 33 | 20 44 | 15 44 | 16 51 | 6 17 |
| W 6 | 16 37 | 24 40 | 4 26 | 4 57 | 3 0 | 22 23 | 0 38 | 17 59 | 0 16 | 9 31 | 1 4 | 9 29 | 2 44 | 15 25 | 0 23 | 0 27 | 1 15 | 23 2 | 4 18 | 20 33 | 20 44 | 15 46 | 16 51 | 6 17 |
| T 7 | 16 54 | 21 50 | 4 58 | 5 24 | 3 0 | 22 37 | 0 41 | 17 57 | 0 13 | 9 36 | 1 4 | 9 28 | 2 44 | 15 26 | 0 23 | 0 27 | 1 15 | 23 2 | 4 18 | 20 33 | 20 43 | 15 49 | 16 52 | 6 16 |
| F 8 | 17 10 | 17 57 | 5 15 | 5 53 | 3 0 | 22 50 | 0 43 | 17 54 | 0 10 | 9 40 | 1 4 | 9 27 | 2 44 | 15 27 | 0 23 | 0 26 | 1 15 | 23 1 | 4 18 | 20 33 | 20 42 | 15 52 | 16 52 | 6 16 |
| S 9 | 17 26 | 13 22 | 5 15 | 6 23 | 2 59 | 23 2 | 0 46 | 17 51 | 0 8 | 9 45 | 1 4 | 9 25 | 2 44 | 15 28 | 0 23 | 0 25 | 1 15 | 23 1 | 4 18 | 20 33 | 20 42 | 15 54 | 16 52 | 6 16 |
| S 10 | 17 42 | 8 20 | 5 0 | 6 54 | 2 58 | 23 14 | 0 48 | 17 47 | 0 5 | 9 50 | 1 4 | 9 24 | 2 44 | 15 29 | 0 23 | 0 25 | 1 15 | 23 1 | 4 18 | 20 33 | 20 41 | 15 57 | 16 52 | 6 15 |
| M11 | 17 57 | 3 5 | 4 32 | 7 26 | 2 56 | 23 25 | 0 51 | 17 44 | 0 2 | 9 55 | 1 4 | 9 23 | 2 44 | 15 30 | 0 23 | 0 24 | 1 15 | 23 1 | 4 18 | 20 32 | 20 41 | 16 0 | 16 52 | 6 15 |
| T 12 | 18 13 | 2n14 | 3 53 | 7 59 | 2 53 | 23 35 | 0 53 | 17 41 | 0s 1 | 10 0 | 1 4 | 9 21 | 2 43 | 15 31 | 0 23 | 0 23 | 1 15 | 23 1 | 4 18 | 20 32 | 20 40 | 16 2 | 16 52 | 6 15 |
| W13 | 18 27 | 7 25 | 3 3 | 8 33 | 2 50 | 23 45 | 0 56 | 17 38 | 0 3 | 10 5 | 1 4 | 9 20 | 2 43 | 15 32 | 0 23 | 0 23 | 1 15 | 23 0 | 4 18 | 20 32 | 20 39 | 16 5 | 16 52 | 6 14 |
| T 14 | 18 42 | 12 19 | 2 7 | 9 8 | 2 46 | 23 54 | 0 58 | 17 34 | 0 6 | 10 10 | 1 4 | 9 19 | 2 43 | 15 33 | 0 23 | 0 22 | 1 15 | 23 0 | 4 18 | 20 32 | 20 39 | 16 8 | 16 52 | 6 14 |
| F 15 | 18 56 | 16 46 | 1 4 | 9 43 | 2 42 | 24 2 | 1 1 | 17 31 | 0 9 | 10 15 | 1 4 | 9 17 | 2 43 | 15 34 | 0 23 | 0 22 | 1 15 | 23 0 | 4 18 | 20 31 | 20 38 | 16 10 | 16 52 | 6 14 |
| S 16 | 19 10 | 20 34 | 0n 1 | 10 20 | 2 37 | 24 10 | 1 3 | 17 28 | 0 12 | 10 19 | 1 4 | 9 16 | 2 43 | 15 35 | 0 23 | 0 21 | 1 15 | 23 0 | 4 18 | 20 31 | 20 37 | 16 13 | 16 52 | 6 13 |
| S 17 | 19 24 | 23 32 | 1 6 | 10 57 | 2 31 | 24 17 | 1 5 | 17 24 | 0 15 | 10 24 | 1 4 | 9 15 | 2 43 | 15 36 | 0 23 | 0 21 | 1 15 | 23 0 | 4 18 | 20 31 | 20 37 | 16 15 | 16 52 | 6 13 |
| M18 | 19 37 | 25 30 | 2 9 | 11 34 | 2 26 | 24 23 | 1 8 | 17 21 | 0 17 | 10 29 | 1 4 | 9 14 | 2 43 | 15 37 | 0 23 | 0 20 | 1 15 | 22 59 | 4 18 | 20 32 | 20 36 | 16 18 | 16 52 | 6 13 |
| T 19 | 19 50 | 26 17 | 3 7 | 12 12 | 2 19 | 24 28 | 1 10 | 17 18 | 0 20 | 10 34 | 1 4 | 9 13 | 2 42 | 15 38 | 0 23 | 0 19 | 1 15 | 22 59 | 4 18 | 20 32 | 20 36 | 16 21 | 16 52 | 6 12 |
| W20 | 20 2 | 25 49 | 3 57 | 12 51 | 2 12 | 24 33 | 1 12 | 17 14 | 0 23 | 10 38 | 1 5 | 9 11 | 2 42 | 15 39 | 0 23 | 0 19 | 1 15 | 22 59 | 4 18 | 20 32 | 20 35 | 16 23 | 16 52 | 6 12 |
| T 21 | 20 15 | 24 5 | 4 37 | 13 30 | 2 5 | 24 37 | 1 14 | 17 11 | 0 26 | 10 43 | 1 5 | 9 10 | 2 42 | 15 40 | 0 23 | 0 18 | 1 15 | 22 59 | 4 18 | 20 32 | 20 34 | 16 26 | 16 51 | 6 12 |
| F 22 | 20 26 | 21 6 | 5 4 | 14 9 | 1 57 | 24 41 | 1 16 | 17 8 | 0 28 | 10 48 | 1 5 | 9 9 | 2 42 | 15 41 | 0 23 | 0 18 | 1 15 | 22 58 | 4 18 | 20 32 | 20 34 | 16 29 | 16 51 | 6 12 |
| S 23 | 20 38 | 17 2 | 5 17 | 14 49 | 1 49 | 24 43 | 1 19 | 17 5 | 0 31 | 10 52 | 1 5 | 9 8 | 2 42 | 15 42 | 0 23 | 0 17 | 1 15 | 22 58 | 4 18 | 20 32 | 20 33 | 16 31 | 16 51 | 6 11 |
| S 24 | 20 49 | 12 1 | 5 13 | 15 28 | 1 40 | 24 45 | 1 21 | 17 2 | 0 34 | 10 57 | 1 5 | 9 7 | 2 42 | 15 43 | 0 23 | 0 17 | 1 15 | 22 58 | 4 18 | 20 32 | 20 32 | 16 34 | 16 51 | 6 11 |
| M25 | 21 0 | 6 16 | 4 51 | 16 8 | 1 31 | 24 47 | 1 23 | 16 59 | 0 36 | 11 1 | 1 5 | 9 6 | 2 41 | 15 44 | 0 23 | 0 16 | 1 15 | 22 58 | 4 18 | 20 32 | 20 32 | 16 36 | 16 51 | 6 11 |
| T 26 | 21 10 | 0 2 | 4 12 | 16 47 | 1 22 | 24 47 | 1 25 | 16 56 | 0 39 | 11 6 | 1 5 | 9 5 | 2 41 | 15 45 | 0 23 | 0 16 | 1 15 | 22 57 | 4 18 | 20 32 | 20 31 | 16 39 | 16 51 | 6 11 |
| W27 | 21 20 | 6s23 | 3 15 | 17 26 | 1 12 | 24 47 | 1 26 | 16 53 | 0 42 | 11 10 | 1 5 | 9 4 | 2 41 | 15 46 | 0 23 | 0 16 | 1 15 | 22 57 | 4 18 | 20 32 | 20 31 | 16 42 | 16 51 | 6 10 |
| T 28 | 21 30 | 12 35 | 2 3 | 18 5 | 1 2 | 24 46 | 1 28 | 16 50 | 0 44 | 11 15 | 1 5 | 9 3 | 2 41 | 15 47 | 0 23 | 0 15 | 1 15 | 22 57 | 4 18 | 20 32 | 20 30 | 16 44 | 16 51 | 6 10 |
| F 29 | 21 39 | 18 8 | 0 43 | 18 43 | 0 52 | 24 44 | 1 30 | 16 48 | 0 47 | 11 19 | 1 5 | 9 2 | 2 41 | 15 48 | 0 23 | 0 15 | 1 15 | 22 57 | 4 18 | 20 32 | 20 29 | 16 47 | 16 50 | 6 10 |
| S 30 | 21 48 | 22 31 | 0s41 | 19 20 | 0 42 | 24 42 | 1 32 | 16 45 | 0 49 | 11 23 | 1 5 | 9 1 | 2 41 | 15 49 | 0 23 | 0 14 | 1 16 | 22 56 | 4 18 | 20 32 | 20 29 | 16 50 | 16 50 | 6 10 |
| S 31 | 21n57 | 25s20 | 2s 2 | 19n56 | 0s31 | 24n39 | 1n33 | 16s43 | 0s52 | 11n28 | 1s 5 | 9s 1 | 2n40 | 15n50 | 0s23 | 0s14 | 1s16 | 22n56 | 4n18 | 20n32 | 20n28 | 16n52 | 16n50 | 6s10 |

Julian Day Number = 2520696.5, Delta T = 152.93 sec
Ecliptic obliquity = 23°24'57, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°23'10, Lahiri = 26°30'10

# ASTRODIENST EPHEMERIS for the year 2189
# geocentric

## JUNE 2189

00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 40 2 | 11♊ 6'37 | 9♋15 | 3♊38 | 10♌24 | 13°R19 | 3♉10 | 0°R 6 | 14♉39 | 2♈21 | 5♌56 | 1°R56 | 1♊34 | 20♉32 | 10♌58 | M 1 |
| T 2 | 16 43 58 | 12° 4'09 | 23°42 | 5°45 | 11°36 | 13♏ 5 | 3°23 | 0♏ 3 | 14°42 | 2°22 | 5°57 | 1♊55 | 1°31 | 20°38 | 11° 4 | T 2 |
| W 3 | 16 47 55 | 13° 1'41 | 7♒43 | 7°54 | 12°48 | 12°51 | 3°36 | 0° 0 | 14°45 | 2°23 | 5°58 | 1°54 | 1°28 | 20°45 | 11° 9 | W 3 |
| T 4 | 16 51 51 | 13°59'11 | 21°17 | 10° 5 | 14° 0 | 12°39 | 3°49 | 29♎58 | 14°48 | 2°24 | 5°59 | 1°53 | 1°25 | 20°52 | 11°15 | T 4 |
| F 5 | 16 55 48 | 14°56'41 | 4♓25 | 12°16 | 15°12 | 12°27 | 4° 1 | 29°55 | 14°52 | 2°25 | 6° 0 | 1°52 | 1°22 | 20°58 | 11°20 | F 5 |
| S 6 | 16 59 44 | 15°54'10 | 17° 8 | 14°27 | 16°24 | 12°16 | 4°14 | 29°53 | 14°55 | 2°26 | 6° 2 | 1°D52 | 1°19 | 21° 5 | 11°26 | S 6 |
| S 7 | 17 3 41 | 16°51'38 | 29°32 | 16°39 | 17°36 | 12° 5 | 4°26 | 29°50 | 14°58 | 2°27 | 6° 3 | 1°52 | 1°15 | 21°12 | 11°32 | S 7 |
| M 8 | 17 7 37 | 17°49'06 | 11♈40 | 18°51 | 18°47 | 11°56 | 4°39 | 29°48 | 15° 1 | 2°28 | 6° 4 | 1°53 | 1°12 | 21°18 | 11°38 | M 8 |
| T 9 | 17 11 34 | 18°46'33 | 23°37 | 21° 3 | 19°59 | 11°47 | 4°51 | 29°46 | 15° 4 | 2°29 | 6° 5 | 1°55 | 1° 9 | 21°25 | 11°43 | T 9 |
| W10 | 17 15 31 | 19°43'59 | 5♉26 | 23°15 | 21°11 | 11°39 | 5° 3 | 29°44 | 15° 7 | 2°29 | 6° 6 | 1°56 | 1° 6 | 21°32 | 11°49 | W10 |
| T 11 | 17 19 27 | 20°41'24 | 17°13 | 25°26 | 22°23 | 11°32 | 5°15 | 29°41 | 15°10 | 2°30 | 6° 8 | 1°57 | 1° 3 | 21°38 | 11°55 | T 11 |
| F 12 | 17 23 24 | 21°38'49 | 29° 1 | 27°36 | 23°34 | 11°25 | 5°28 | 29°39 | 15°13 | 2°31 | 6° 9 | 1°R58 | 0°59 | 21°45 | 12° 1 | F 12 |
| S 13 | 17 27 20 | 22°36'14 | 10♊51 | 29°45 | 24°46 | 11°20 | 5°40 | 29°38 | 15°16 | 2°32 | 6°10 | 1°58 | 0°56 | 21°52 | 12° 7 | S 13 |
| S 14 | 17 31 17 | 23°33'37 | 22°48 | 1♌52 | 25°57 | 11°15 | 5°51 | 29°36 | 15°19 | 2°32 | 6°11 | 1°56 | 0°53 | 21°58 | 12°12 | S 14 |
| M15 | 17 35 13 | 24°31'00 | 4♌53 | 3°58 | 27° 9 | 11°11 | 6° 3 | 29°34 | 15°21 | 2°33 | 6°13 | 1°54 | 0°50 | 22° 5 | 12°18 | M15 |
| T 16 | 17 39 10 | 25°28'22 | 17° 8 | 6° 2 | 28°20 | 11° 8 | 6°15 | 29°33 | 15°24 | 2°34 | 6°14 | 1°51 | 0°47 | 22°11 | 12°24 | T 16 |
| W17 | 17 43 7 | 26°25'43 | 29°35 | 8° 4 | 29°32 | 11° 6 | 6°27 | 29°31 | 15°27 | 2°34 | 6°15 | 1°47 | 0°44 | 22°18 | 12°30 | W17 |
| T 18 | 17 47 3 | 27°23'04 | 12♋14 | 10° 4 | 0♋43 | 11° 5 | 6°38 | 29°30 | 15°30 | 2°35 | 6°17 | 1°43 | 0°40 | 22°25 | 12°36 | T 18 |
| F 19 | 17 51 0 | 28°20'23 | 25° 7 | 12° 3 | 1°54 | 11°D 4 | 6°50 | 29°28 | 15°33 | 2°35 | 6°18 | 1°39 | 0°37 | 22°31 | 12°42 | F 19 |
| S 20 | 17 54 56 | 29°17'42 | 8♍15 | 13°59 | 3° 5 | 11° 4 | 7° 1 | 29°27 | 15°35 | 2°36 | 6°20 | 1°37 | 0°34 | 22°38 | 12°48 | S 20 |
| S 21 | 17 58 53 | 0♌15'00 | 21°40 | 15°53 | 4°16 | 11° 6 | 7°13 | 29°26 | 15°38 | 2°36 | 6°21 | 1°35 | 0°31 | 22°45 | 12°54 | S 21 |
| M22 | 18 2 49 | 1°12'17 | 5♎23 | 17°44 | 5°28 | 11° 7 | 7°24 | 29°25 | 15°41 | 2°37 | 6°22 | 1°D35 | 0°28 | 22°51 | 13° 0 | M22 |
| T 23 | 18 6 46 | 2° 9'33 | 19°25 | 19°33 | 6°39 | 11°10 | 7°35 | 29°24 | 15°43 | 2°37 | 6°24 | 1°36 | 0°25 | 22°58 | 13° 6 | T 23 |
| W24 | 18 10 42 | 3° 6'48 | 3♏44 | 21°21 | 7°50 | 11°14 | 7°46 | 29°23 | 15°46 | 2°38 | 6°25 | 1°37 | 0°21 | 23° 5 | 13°12 | W24 |
| T 25 | 18 14 39 | 4° 4'03 | 18°18 | 23° 5 | 9° 0 | 11°18 | 7°57 | 29°22 | 15°49 | 2°38 | 6°27 | 1°39 | 0°18 | 23°11 | 13°18 | T 25 |
| F 26 | 18 18 36 | 5° 1'17 | 3♐ 4 | 24°48 | 10°11 | 11°23 | 8° 8 | 29°22 | 15°51 | 2°38 | 6°28 | 1°R39 | 0°15 | 23°18 | 13°24 | F 26 |
| S 27 | 18 22 32 | 5°58'31 | 17°56 | 26°28 | 11°22 | 11°29 | 8°19 | 29°21 | 15°54 | 2°39 | 6°30 | 1°38 | 0°12 | 23°25 | 13°31 | S 27 |
| S 28 | 18 26 29 | 6°55'44 | 2♑47 | 28° 6 | 12°33 | 11°35 | 8°29 | 29°21 | 15°56 | 2°39 | 6°31 | 1°36 | 0° 9 | 23°31 | 13°37 | S 28 |
| M29 | 18 30 25 | 7°52'57 | 17°28 | 29°41 | 13°43 | 11°43 | 8°40 | 29°20 | 15°59 | 2°39 | 6°33 | 1°32 | 0° 5 | 23°38 | 13°43 | M29 |
| T 30 | 18 34 22 | 8♌50'10 | 1♒53 | 1♋14 | 14♋54 | 11♏51 | 8♉50 | 29♎20 | 16♉ 1 | 2♈39 | 6♋34 | 1♊26 | 0♊ 2 | 23♉45 | 13♌49 | T 30 |

| 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 | |
| M 1 | 22n 5 | 26s18 | 3s13 | 20n31 | 0s20 | 24n35 | 1n35 | 16s41 | 0s54 | 11n32 | 1s 5 | 9s 0 | 2n40 | 15n51 | 0s23 | 0s13 | 1s16 | 22n56 | 4n18 | 20n32 | 20n27 | 16n55 | 16n50 | 6s 9 | M 1 |
| T 2 | 22 13 | 25 26 | 4 9 | 21 5 | 0 10 | 24 31 | 1 37 | 16 39 | 0 57 | 11 36 | 1 5 | 8 59 | 2 40 | 15 52 | 0 23 | 0 13 | 1 16 | 22 55 | 4 18 | 20 32 | 20 27 | 16 57 | 16 49 | 6 9 | T 2 |
| W 3 | 22 20 | 22 59 | 4 49 | 21 37 | 0n 1 | 24 26 | 1 38 | 16 37 | 0 59 | 11 41 | 1 6 | 8 58 | 2 40 | 15 53 | 0 23 | 0 13 | 1 16 | 22 55 | 4 18 | 20 31 | 20 26 | 17 0 | 16 49 | 6 9 | W 3 |
| T 4 | 22 27 | 19 18 | 5 12 | 22 8 | 0 12 | 24 20 | 1 40 | 16 35 | 1 1 | 11 45 | 1 6 | 8 57 | 2 40 | 15 54 | 0 23 | 0 12 | 1 16 | 22 55 | 4 18 | 20 31 | 20 25 | 17 2 | 16 49 | 6 9 | T 4 |
| F 5 | 22 34 | 14 48 | 5 17 | 22 36 | 0 22 | 24 13 | 1 41 | 16 34 | 1 4 | 11 49 | 1 6 | 8 57 | 2 39 | 15 55 | 0 23 | 0 12 | 1 16 | 22 54 | 4 18 | 20 31 | 20 25 | 17 5 | 16 49 | 6 9 | F 5 |
| S 6 | 22 40 | 9 46 | 5 6 | 23 3 | 0 32 | 24 6 | 1 42 | 16 33 | 1 6 | 11 53 | 1 6 | 8 56 | 2 39 | 15 55 | 0 23 | 0 12 | 1 16 | 22 54 | 4 17 | 20 31 | 20 24 | 17 8 | 16 48 | 6 8 | S 6 |
| S 7 | 22 46 | 4 29 | 4 41 | 23 27 | 0 42 | 23 58 | 1 44 | 16 32 | 1 8 | 11 57 | 1 6 | 8 55 | 2 39 | 15 56 | 0 23 | 0 11 | 1 16 | 22 54 | 4 17 | 20 31 | 20 23 | 17 10 | 16 48 | 6 8 | S 7 |
| M 8 | 22 51 | 0n52 | 4 4 | 23 48 | 0 52 | 23 50 | 1 45 | 16 31 | 1 10 | 12 1 | 1 6 | 8 55 | 2 39 | 15 57 | 0 23 | 0 11 | 1 16 | 22 54 | 4 17 | 20 31 | 20 23 | 17 13 | 16 48 | 6 8 | M 8 |
| T 9 | 22 57 | 6 7 | 3 17 | 24 7 | 1 1 | 23 40 | 1 46 | 16 30 | 1 12 | 12 5 | 1 6 | 8 54 | 2 38 | 15 58 | 0 23 | 0 11 | 1 16 | 22 53 | 4 17 | 20 31 | 20 22 | 17 15 | 16 47 | 6 8 | T 9 |
| W10 | 23 1 | 11 6 | 2 22 | 24 24 | 1 9 | 23 31 | 1 47 | 16 29 | 1 14 | 12 9 | 1 6 | 8 54 | 2 38 | 15 59 | 0 23 | 0 10 | 1 16 | 22 53 | 4 17 | 20 32 | 20 22 | 17 18 | 16 47 | 6 8 | W10 |
| T 11 | 23 5 | 15 40 | 1 21 | 24 37 | 1 17 | 23 20 | 1 48 | 16 29 | 1 16 | 12 13 | 1 6 | 8 53 | 2 38 | 16 0 | 0 23 | 0 10 | 1 16 | 22 53 | 4 17 | 20 32 | 20 21 | 17 20 | 16 47 | 6 8 | T 11 |
| F 12 | 23 9 | 19 39 | 0 16 | 24 48 | 1 25 | 23 9 | 1 49 | 16 29 | 1 18 | 12 17 | 1 6 | 8 53 | 2 38 | 16 1 | 0 23 | 0 10 | 1 16 | 22 52 | 4 17 | 20 32 | 20 20 | 17 23 | 16 46 | 6 7 | F 12 |
| S 13 | 23 13 | 22 51 | 0n49 | 24 56 | 1 31 | 22 57 | 1 50 | 16 29 | 1 20 | 12 21 | 1 6 | 8 52 | 2 37 | 16 2 | 0 23 | 0 10 | 1 16 | 22 52 | 4 17 | 20 32 | 20 20 | 17 26 | 16 46 | 6 7 | S 13 |
| S 14 | 23 16 | 25 6 | 1 53 | 25 1 | 1 37 | 22 44 | 1 50 | 16 30 | 1 22 | 12 25 | 1 7 | 8 52 | 2 37 | 16 2 | 0 23 | 0 9 | 1 16 | 22 52 | 4 17 | 20 32 | 20 19 | 17 28 | 16 46 | 6 7 | S 14 |
| M15 | 23 18 | 26 11 | 2 52 | 25 4 | 1 43 | 22 31 | 1 51 | 16 30 | 1 24 | 12 29 | 1 7 | 8 52 | 2 37 | 16 3 | 0 23 | 0 9 | 1 16 | 22 51 | 4 17 | 20 31 | 20 18 | 17 31 | 16 45 | 6 7 | M15 |
| T 16 | 23 20 | 26 1 | 3 44 | 25 4 | 1 47 | 22 18 | 1 52 | 16 31 | 1 26 | 12 32 | 1 7 | 8 51 | 2 37 | 16 4 | 0 23 | 0 9 | 1 16 | 22 51 | 4 17 | 20 31 | 20 18 | 17 33 | 16 45 | 6 7 | T 16 |
| W17 | 23 22 | 24 33 | 4 26 | 25 1 | 1 51 | 22 3 | 1 52 | 16 32 | 1 28 | 12 36 | 1 7 | 8 51 | 2 37 | 16 5 | 0 23 | 0 9 | 1 16 | 22 50 | 4 17 | 20 30 | 20 17 | 17 36 | 16 44 | 6 7 | W17 |
| T 18 | 23 23 | 21 51 | 4 56 | 24 56 | 1 54 | 21 48 | 1 52 | 16 33 | 1 29 | 12 40 | 1 7 | 8 51 | 2 36 | 16 6 | 0 23 | 0 9 | 1 16 | 22 50 | 4 17 | 20 29 | 20 16 | 17 38 | 16 44 | 6 7 | T 18 |
| F 19 | 23 24 | 18 2 | 5 12 | 24 48 | 1 56 | 21 33 | 1 53 | 16 34 | 1 31 | 12 43 | 1 7 | 8 50 | 2 36 | 16 6 | 0 23 | 0 8 | 1 16 | 22 50 | 4 17 | 20 28 | 20 16 | 17 41 | 16 43 | 6 7 | F 19 |
| S 20 | 23 25 | 13 17 | 5 12 | 24 38 | 1 58 | 21 17 | 1 53 | 16 36 | 1 33 | 12 47 | 1 7 | 8 50 | 2 36 | 16 7 | 0 23 | 0 8 | 1 17 | 22 49 | 4 17 | 20 28 | 20 15 | 17 43 | 16 43 | 6 7 | S 20 |
| S 21 | 23 25 | 7 49 | 4 55 | 24 26 | 1 59 | 21 0 | 1 53 | 16 38 | 1 34 | 12 51 | 1 7 | 8 50 | 2 36 | 16 8 | 0 23 | 0 8 | 1 17 | 22 49 | 4 17 | 20 28 | 20 14 | 17 46 | 16 42 | 6 7 | S 21 |
| M22 | 23 25 | 1 51 | 4 21 | 24 12 | 1 59 | 20 43 | 1 53 | 16 40 | 1 36 | 12 54 | 1 8 | 8 50 | 2 35 | 16 9 | 0 23 | 0 8 | 1 17 | 22 49 | 4 17 | 20 28 | 20 14 | 17 48 | 16 42 | 6 7 | M22 |
| T 23 | 23 24 | 4s20 | 3 31 | 23 56 | 1 58 | 20 25 | 1 53 | 16 42 | 1 37 | 12 58 | 1 8 | 8 50 | 2 35 | 16 10 | 0 23 | 0 8 | 1 17 | 22 48 | 4 17 | 20 28 | 20 13 | 17 51 | 16 41 | 6 7 | T 23 |
| W24 | 23 23 | 10 27 | 2 27 | 23 39 | 1 57 | 20 7 | 1 53 | 16 45 | 1 39 | 13 1 | 1 8 | 8 50 | 2 35 | 16 10 | 0 23 | 0 8 | 1 17 | 22 48 | 4 17 | 20 28 | 20 12 | 17 53 | 16 41 | 6 6 | W24 |
| T 25 | 23 21 | 16 6 | 1 12 | 23 20 | 1 55 | 19 48 | 1 53 | 16 47 | 1 40 | 13 5 | 1 8 | 8 50 | 2 34 | 16 11 | 0 23 | 0 8 | 1 17 | 22 48 | 4 17 | 20 28 | 20 12 | 17 56 | 16 40 | 6 6 | T 25 |
| F 26 | 23 19 | 20 53 | 0s 8 | 22 59 | 1 52 | 19 29 | 1 53 | 16 50 | 1 41 | 13 8 | 1 8 | 8 50 | 2 34 | 16 12 | 0 23 | 0 8 | 1 17 | 22 47 | 4 17 | 20 28 | 20 11 | 17 59 | 16 40 | 6 6 | F 26 |
| S 27 | 23 17 | 24 20 | 1 28 | 22 37 | 1 49 | 19 9 | 1 52 | 16 53 | 1 43 | 13 11 | 1 8 | 8 50 | 2 34 | 16 12 | 0 23 | 0 8 | 1 17 | 22 47 | 4 17 | 20 28 | 20 10 | 18 1 | 16 39 | 6 6 | S 27 |
| S 28 | 23 14 | 26 5 | 2 42 | 22 14 | 1 45 | 18 49 | 1 52 | 16 57 | 1 44 | 13 15 | 1 8 | 8 50 | 2 34 | 16 13 | 0 23 | 0 8 | 1 17 | 22 46 | 4 17 | 20 28 | 20 10 | 18 4 | 16 39 | 6 6 | S 28 |
| M29 | 23 11 | 25 59 | 3 44 | 21 50 | 1 40 | 18 28 | 1 51 | 17 0 | 1 45 | 13 18 | 1 8 | 8 50 | 2 33 | 16 14 | 0 23 | 0 7 | 1 17 | 22 46 | 4 17 | 20 27 | 20 9 | 18 6 | 16 38 | 6 6 | M29 |
| T 30 | 23n 7 | 24s 7 | 4s31 | 21n24 | 1n35 | 18n 7 | 1n51 | 17s 4 | 1s47 | 13n21 | 1s 9 | 8s50 | 2n33 | 16n15 | 0s23 | 0s 7 | 1s17 | 22n46 | 4n17 | 20n26 | 20n 8 | 18n 9 | 16n38 | 6s 6 | T 30 |

Julian Day Number = 2520727.5, Delta T = 153.01 sec
Ecliptic obliquity = 23°24'57, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°23'14, Lahiri = 26°30'15

# ASTRODIENST EPHEMERIS for the year 2189
# geocentric

## JULY 2189 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 38 18 | 9♋47'22 | 15♒56 | 2♌45 | 16♌ 4 | 11♏59 | 9♉ 1 | 29°R20 | 16♉ 3 | 2♈39 | 6♌36 | 1°R21 | 29♉59 | 23♉51 | 13♋55 | W 1 |
| T 2 | 18 42 15 | 10°44'35 | 29°34 | 4°13 | 17°15 | 12° 9 | 9°11 | 29°D20 | 16° 6 | 2°40 | 6°38 | 1♊15 | 29°56 | 23°58 | 14° 1 | T 2 |
| F 3 | 18 46 11 | 11°41'47 | 12♓46 | 5°39 | 18°25 | 12°19 | 9°21 | 29♎20 | 16° 8 | 2°40 | 6°39 | 1°10 | 29°53 | 24° 4 | 14° 7 | F 3 |
| S 4 | 18 50 8 | 12°39'00 | 25°33 | 7° 2 | 19°35 | 12°29 | 9°31 | 29°20 | 16°10 | 2°40 | 6°41 | 1° 7 | 29°50 | 24°11 | 14°13 | S 4 |
| S 5 | 18 54 5 | 13°36'12 | 7♈58 | 8°23 | 20°45 | 12°41 | 9°41 | 29°20 | 16°12 | 2°R40 | 6°42 | 1° 6 | 29°46 | 24°18 | 14°20 | S 5 |
| M 6 | 18 58 1 | 14°33'25 | 20° 6 | 9°41 | 21°55 | 12°53 | 9°51 | 29°21 | 16°15 | 2°40 | 6°44 | 1°D 6 | 29°43 | 24°24 | 14°26 | M 6 |
| T 7 | 19 1 58 | 15°30'38 | 2♉ 3 | 10°57 | 23° 5 | 13° 6 | 10° 1 | 29°21 | 16°17 | 2°40 | 6°45 | 1° 7 | 29°40 | 24°31 | 14°32 | T 7 |
| W 8 | 19 5 54 | 16°27'51 | 13°52 | 12°11 | 24°15 | 13°19 | 10°10 | 29°22 | 16°19 | 2°40 | 6°47 | 1° 8 | 29°37 | 24°38 | 14°38 | W 8 |
| T 9 | 19 9 51 | 17°25'05 | 25°39 | 13°21 | 25°25 | 13°33 | 10°20 | 29°22 | 16°21 | 2°39 | 6°49 | 1°R 9 | 29°34 | 24°44 | 14°44 | T 9 |
| F 10 | 19 13 47 | 18°22'18 | 7♊29 | 14°29 | 26°35 | 13°48 | 10°29 | 29°23 | 16°23 | 2°39 | 6°50 | 1° 9 | 29°31 | 24°51 | 14°50 | F 10 |
| S 11 | 19 17 44 | 19°19'33 | 19°25 | 15°34 | 27°44 | 14° 3 | 10°38 | 29°24 | 16°25 | 2°39 | 6°52 | 1° 7 | 29°27 | 24°58 | 14°57 | S 11 |
| S 12 | 19 21 40 | 20°16'47 | 1♋30 | 16°36 | 28°54 | 14°19 | 10°47 | 29°25 | 16°27 | 2°39 | 6°54 | 1° 3 | 29°24 | 25° 4 | 15° 3 | S 12 |
| M13 | 19 25 37 | 21°14'01 | 13°48 | 17°35 | 0♍ 4 | 14°35 | 10°56 | 29°26 | 16°29 | 2°39 | 6°55 | 0°57 | 29°21 | 25°11 | 15° 9 | M13 |
| T 14 | 19 29 34 | 22°11'16 | 26°19 | 18°31 | 1°13 | 14°52 | 11° 5 | 29°27 | 16°31 | 2°38 | 6°57 | 0°50 | 29°18 | 25°18 | 15°15 | T 14 |
| W15 | 19 33 30 | 23° 8'31 | 9♌ 4 | 19°24 | 2°22 | 15°10 | 11°14 | 29°28 | 16°32 | 2°38 | 6°59 | 0°41 | 29°15 | 25°24 | 15°21 | W15 |
| T 16 | 19 37 27 | 24° 5'46 | 22° 2 | 20°13 | 3°32 | 15°28 | 11°22 | 29°30 | 16°34 | 2°38 | 7° 0 | 0°31 | 29°11 | 25°31 | 15°27 | T 16 |
| F 17 | 19 41 23 | 25° 3'01 | 5♍14 | 20°59 | 4°41 | 15°46 | 11°31 | 29°31 | 16°36 | 2°37 | 7° 2 | 0°23 | 29° 8 | 25°38 | 15°33 | F 17 |
| S 18 | 19 45 20 | 26° 0'16 | 18°38 | 21°41 | 5°50 | 16° 6 | 11°39 | 29°33 | 16°38 | 2°37 | 7° 4 | 0°16 | 29° 5 | 25°44 | 15°40 | S 18 |
| S 19 | 19 49 16 | 26°57'32 | 2♎13 | 22°20 | 6°59 | 16°25 | 11°47 | 29°34 | 16°39 | 2°37 | 7° 5 | 0°11 | 29° 2 | 25°51 | 15°46 | S 19 |
| M20 | 19 53 13 | 27°54'47 | 16° 0 | 22°55 | 8° 8 | 16°46 | 11°55 | 29°36 | 16°41 | 2°36 | 7° 7 | 0° 9 | 28°59 | 25°57 | 15°52 | M20 |
| T 21 | 19 57 9 | 28°52'02 | 29°57 | 23°25 | 9°16 | 17° 6 | 12° 3 | 29°38 | 16°42 | 2°36 | 7° 9 | 0°D 8 | 28°56 | 26° 4 | 15°58 | T 21 |
| W22 | 20 1 6 | 29°49'18 | 14♏ 5 | 23°51 | 10°25 | 17°28 | 12°11 | 29°40 | 16°44 | 2°35 | 7°10 | 0° 9 | 28°52 | 26°11 | 16° 4 | W22 |
| T 23 | 20 5 3 | 0♌46'34 | 28°22 | 24°13 | 11°34 | 17°49 | 12°18 | 29°42 | 16°45 | 2°35 | 7°12 | 0°R 9 | 28°49 | 26°17 | 16°10 | T 23 |
| F 24 | 20 8 59 | 1°43'50 | 12♐46 | 24°31 | 12°42 | 18°11 | 12°26 | 29°44 | 16°47 | 2°34 | 7°14 | 0° 9 | 28°46 | 26°24 | 16°16 | F 24 |
| S 25 | 20 12 56 | 2°41'06 | 27°14 | 24°44 | 13°50 | 18°34 | 12°33 | 29°46 | 16°48 | 2°33 | 7°15 | 0° 6 | 28°43 | 26°31 | 16°22 | S 25 |
| S 26 | 20 16 52 | 3°38'23 | 11♑42 | 24°52 | 14°58 | 18°57 | 12°40 | 29°48 | 16°50 | 2°33 | 7°17 | 0° 1 | 28°40 | 26°37 | 16°28 | S 26 |
| M27 | 20 20 49 | 4°35'40 | 26° 4 | 24°R55 | 16° 6 | 19°21 | 12°47 | 29°51 | 16°51 | 2°32 | 7°19 | 29♉53 | 28°37 | 26°44 | 16°34 | M27 |
| T 28 | 20 24 45 | 5°32'58 | 10♒14 | 24°53 | 17°14 | 19°45 | 12°54 | 29°53 | 16°52 | 2°31 | 7°21 | 29°44 | 28°33 | 26°51 | 16°40 | T 28 |
| W29 | 20 28 42 | 6°30'16 | 24° 7 | 24°46 | 18°22 | 20° 9 | 13° 1 | 29°56 | 16°53 | 2°31 | 7°22 | 29°34 | 28°30 | 26°57 | 16°46 | W29 |
| T 30 | 20 32 38 | 7°27'35 | 7♓39 | 24°34 | 19°30 | 20°34 | 13° 7 | 29°58 | 16°55 | 2°30 | 7°24 | 29°23 | 28°27 | 27° 4 | 16°52 | T 30 |
| F 31 | 20 36 35 | 8♌24'55 | 20♓48 | 24♌17 | 20♍37 | 20♏59 | 13♉14 | 0♏ 1 | 16♉56 | 2♈29 | 7♌26 | 29♉14 | 28♉24 | 27♉11 | 16♋58 | F 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 |
| W 1 | 23n 3 | 20s48 | 5s 0 | 20n58 | 1n29 | 17n45 | 1n50 | 17s 8 | 1s48 | 13n24 | 1s 9 | 8s50 | 2n33 | 16n15 | 0s23 | 0s 7 | 1s17 | 22n45 | 4n17 | 20n25 | 20n 8 | 18n11 | 16n37 | 6s 6 |
| T 2 | 22 59 | 16 27 | 5 11 | 20 31 | 1 22 | 17 23 | 1 49 | 17 12 | 1 49 | 13 27 | 1 9 | 8 51 | 2 33 | 16 16 | 0 23 | 0 7 | 1 17 | 22 45 | 4 17 | 20 23 | 20 7 | 18 14 | 16 36 | 6 6 |
| F 3 | 22 54 | 11 27 | 5 4 | 20 3 | 1 15 | 17 1 | 1 48 | 17 16 | 1 50 | 13 30 | 1 9 | 8 51 | 2 32 | 16 16 | 0 23 | 0 7 | 1 17 | 22 45 | 4 17 | 20 22 | 20 6 | 18 16 | 16 36 | 6 6 |
| S 4 | 22 49 | 6 6 | 4 43 | 19 35 | 1 8 | 16 38 | 1 47 | 17 20 | 1 51 | 13 33 | 1 9 | 8 51 | 2 32 | 16 17 | 0 23 | 0 7 | 1 17 | 22 44 | 4 18 | 20 22 | 20 6 | 18 18 | 16 35 | 6 6 |
| S 5 | 22 43 | 0 39 | 4 9 | 19 7 | 1 0 | 16 14 | 1 46 | 17 25 | 1 52 | 13 36 | 1 9 | 8 52 | 2 32 | 16 18 | 0 23 | 0 8 | 1 17 | 22 44 | 4 18 | 20 22 | 20 5 | 18 21 | 16 34 | 6 6 |
| M 6 | 22 37 | 4n42 | 3 24 | 18 37 | 0 51 | 15 51 | 1 45 | 17 29 | 1 53 | 13 39 | 1 9 | 8 52 | 2 32 | 16 18 | 0 23 | 0 8 | 1 17 | 22 43 | 4 18 | 20 22 | 20 4 | 18 23 | 16 34 | 6 6 |
| T 7 | 22 31 | 9 48 | 2 31 | 18 8 | 0 42 | 15 27 | 1 44 | 17 34 | 1 54 | 13 42 | 1 10 | 8 52 | 2 31 | 16 19 | 0 23 | 0 8 | 1 17 | 22 43 | 4 18 | 20 22 | 20 4 | 18 26 | 16 33 | 6 7 |
| W 8 | 22 24 | 14 31 | 1 32 | 17 39 | 0 32 | 15 2 | 1 42 | 17 39 | 1 55 | 13 45 | 1 10 | 8 53 | 2 31 | 16 20 | 0 23 | 0 8 | 1 17 | 22 43 | 4 18 | 20 22 | 20 3 | 18 28 | 16 32 | 6 7 |
| T 9 | 22 17 | 18 40 | 0 30 | 17 9 | 0 22 | 14 37 | 1 41 | 17 44 | 1 56 | 13 48 | 1 10 | 8 53 | 2 31 | 16 20 | 0 23 | 0 8 | 1 17 | 22 42 | 4 18 | 20 22 | 20 2 | 18 31 | 16 32 | 6 7 |
| F 10 | 22 9 | 22 6 | 0n34 | 16 39 | 0 12 | 14 12 | 1 39 | 17 50 | 1 57 | 13 51 | 1 10 | 8 54 | 2 30 | 16 21 | 0 23 | 0 8 | 1 18 | 22 42 | 4 18 | 20 22 | 20 2 | 18 33 | 16 31 | 6 7 |
| S 11 | 22 1 | 24 36 | 1 37 | 16 10 | 0 1 | 13 46 | 1 38 | 17 55 | 1 58 | 13 53 | 1 10 | 8 54 | 2 30 | 16 21 | 0 23 | 0 8 | 1 18 | 22 42 | 4 18 | 20 22 | 20 1 | 18 36 | 16 30 | 6 7 |
| S 12 | 21 53 | 26 1 | 2 36 | 15 41 | 0s11 | 13 21 | 1 36 | 18 1 | 1 59 | 13 56 | 1 10 | 8 55 | 2 30 | 16 22 | 0 23 | 0 8 | 1 18 | 22 41 | 4 18 | 20 21 | 20 0 | 18 38 | 16 29 | 6 7 |
| M13 | 21 45 | 26 10 | 3 29 | 15 12 | 0 22 | 12 54 | 1 34 | 18 6 | 2 0 | 13 59 | 1 10 | 8 56 | 2 30 | 16 22 | 0 23 | 0 8 | 1 18 | 22 41 | 4 18 | 20 20 | 19 59 | 18 41 | 16 29 | 6 7 |
| T 14 | 21 35 | 25 0 | 4 13 | 14 43 | 0 34 | 12 28 | 1 32 | 18 12 | 2 0 | 14 1 | 1 11 | 8 56 | 2 29 | 16 23 | 0 24 | 0 8 | 1 18 | 22 40 | 4 18 | 20 18 | 19 59 | 18 43 | 16 28 | 6 7 |
| W15 | 21 26 | 22 33 | 4 45 | 14 15 | 0 47 | 12 1 | 1 30 | 18 18 | 2 1 | 14 4 | 1 11 | 8 57 | 2 29 | 16 23 | 0 24 | 0 9 | 1 18 | 22 40 | 4 18 | 20 16 | 19 58 | 18 46 | 16 27 | 6 7 |
| T 16 | 21 16 | 18 55 | 5 2 | 13 47 | 0 59 | 11 34 | 1 28 | 18 24 | 2 2 | 14 6 | 1 11 | 8 58 | 2 29 | 16 24 | 0 24 | 0 9 | 1 18 | 22 40 | 4 18 | 20 14 | 19 57 | 18 48 | 16 26 | 6 7 |
| F 17 | 21 6 | 14 18 | 5 5 | 13 21 | 1 12 | 11 7 | 1 26 | 18 30 | 2 3 | 14 9 | 1 11 | 8 58 | 2 29 | 16 24 | 0 24 | 0 9 | 1 18 | 22 39 | 4 18 | 20 13 | 19 57 | 18 50 | 16 26 | 6 7 |
| S 18 | 20 56 | 8 57 | 4 50 | 12 55 | 1 26 | 10 39 | 1 23 | 18 36 | 2 3 | 14 11 | 1 11 | 8 59 | 2 28 | 16 25 | 0 24 | 0 9 | 1 18 | 22 39 | 4 18 | 20 11 | 19 56 | 18 53 | 16 25 | 6 8 |
| S 19 | 20 45 | 3 5 | 4 20 | 12 30 | 1 39 | 10 12 | 1 21 | 18 43 | 2 4 | 14 13 | 1 11 | 9 0 | 2 28 | 16 25 | 0 24 | 0 9 | 1 18 | 22 38 | 4 18 | 20 10 | 19 55 | 18 55 | 16 24 | 6 8 |
| M20 | 20 34 | 3s 0 | 3 34 | 12 5 | 1 53 | 9 44 | 1 18 | 18 49 | 2 5 | 14 16 | 1 12 | 9 1 | 2 28 | 16 26 | 0 24 | 0 10 | 1 18 | 22 38 | 4 18 | 20 10 | 19 55 | 18 58 | 16 23 | 6 8 |
| T 21 | 20 22 | 9 2 | 2 34 | 11 43 | 2 6 | 9 15 | 1 16 | 18 56 | 2 5 | 14 18 | 1 12 | 9 2 | 2 28 | 16 26 | 0 24 | 0 10 | 1 18 | 22 38 | 4 18 | 20 10 | 19 54 | 19 0 | 16 22 | 6 8 |
| W22 | 20 10 | 14 42 | 1 25 | 11 21 | 2 20 | 8 47 | 1 13 | 19 2 | 2 6 | 14 20 | 1 12 | 9 3 | 2 27 | 16 27 | 0 24 | 0 10 | 1 18 | 22 37 | 4 18 | 20 10 | 19 53 | 19 3 | 16 21 | 6 8 |
| T 23 | 19 58 | 19 37 | 0 10 | 11 1 | 2 34 | 8 18 | 1 10 | 19 9 | 2 6 | 14 22 | 1 12 | 9 4 | 2 27 | 16 27 | 0 24 | 0 10 | 1 18 | 22 37 | 4 18 | 20 10 | 19 53 | 19 5 | 16 21 | 6 8 |
| F 24 | 19 45 | 23 25 | 1s 7 | 10 42 | 2 48 | 7 50 | 1 7 | 19 16 | 2 7 | 14 24 | 1 12 | 9 4 | 2 27 | 16 27 | 0 24 | 0 11 | 1 18 | 22 36 | 4 18 | 20 10 | 19 52 | 19 7 | 16 20 | 6 8 |
| S 25 | 19 32 | 25 43 | 2 19 | 10 25 | 3 1 | 7 21 | 1 4 | 19 23 | 2 8 | 14 26 | 1 13 | 9 5 | 2 27 | 16 28 | 0 24 | 0 11 | 1 18 | 22 36 | 4 18 | 20 9 | 19 51 | 19 10 | 16 19 | 6 9 |
| S 26 | 19 19 | 26 16 | 3 23 | 10 10 | 3 15 | 6 51 | 1 1 | 19 30 | 2 8 | 14 28 | 1 13 | 9 7 | 2 26 | 16 28 | 0 24 | 0 11 | 1 18 | 22 36 | 4 18 | 20 8 | 19 51 | 19 12 | 16 18 | 6 9 |
| M27 | 19 6 | 25 3 | 4 12 | 9 56 | 3 28 | 6 22 | 0 58 | 19 37 | 2 9 | 14 30 | 1 13 | 9 8 | 2 26 | 16 29 | 0 24 | 0 12 | 1 18 | 22 35 | 4 18 | 20 6 | 19 50 | 19 15 | 16 17 | 6 9 |
| T 28 | 18 52 | 22 15 | 4 46 | 9 45 | 3 40 | 5 53 | 0 55 | 19 44 | 2 9 | 14 32 | 1 13 | 9 9 | 2 26 | 16 29 | 0 24 | 0 12 | 1 18 | 22 35 | 4 19 | 20 4 | 19 49 | 19 17 | 16 16 | 6 9 |
| W29 | 18 38 | 18 12 | 5 2 | 9 36 | 3 53 | 5 23 | 0 52 | 19 51 | 2 10 | 14 34 | 1 13 | 9 10 | 2 25 | 16 29 | 0 24 | 0 12 | 1 18 | 22 35 | 4 19 | 20 2 | 19 48 | 19 19 | 16 15 | 6 9 |
| T 30 | 18 23 | 13 19 | 5 0 | 9 29 | 4 4 | 4 54 | 0 48 | 19 58 | 2 10 | 14 36 | 1 13 | 9 11 | 2 25 | 16 30 | 0 24 | 0 13 | 1 18 | 22 34 | 4 19 | 20 0 | 19 48 | 19 22 | 16 14 | 6 10 |
| F 31 | 18n 9 | 7s58 | 4s42 | 9n24 | 4s15 | 4n24 | 0n45 | 20s 5 | 2s10 | 14n37 | 1s14 | 9s12 | 2n25 | 16n30 | 0s24 | 0s13 | 1s19 | 22n34 | 4n19 | 19n58 | 19n47 | 19n24 | 16n13 | 6s10 |

Julian Day Number = 2520757.5, Delta T = 153.08 sec
Ecliptic obliquity = 23°24'57, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°23'18, Lahiri = 26°30'19

# ASTRODIENST EPHEMERIS for the year 2189
# geocentric

## AUGUST 2189 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 40 32 | 9♌22'16 | 3♈35 | 23°R56 | 21♍45 | 21♏25 | 13♉20 | 0♏ 4 | 16♉57 | 2°R28 | 7♌27 | 29°R 7 | 28♉21 | 27♉17 | 17♋ 4 | S 1 |
| S 2 | 20 44 28 | 10°19'37 | 16° 0 | 23♌29 | 22°52 | 21°51 | 13°26 | 0° 7 | 16°58 | 2♈27 | 7°29 | 29♉ 2 | 28°17 | 27°24 | 17°10 | S 2 |
| M 3 | 20 48 25 | 11°17'00 | 28° 9 | 22°58 | 23°59 | 22°17 | 13°32 | 0°10 | 16°59 | 2°27 | 7°31 | 29° 0 | 28°14 | 27°30 | 17°15 | M 3 |
| T 4 | 20 52 21 | 12°14'24 | 10♉ 6 | 22°23 | 25° 6 | 22°44 | 13°38 | 0°13 | 17° 0 | 2°26 | 7°32 | 28°D59 | 28°11 | 27°37 | 17°21 | T 4 |
| W 5 | 20 56 18 | 13°11'49 | 21°56 | 21°45 | 26°13 | 23°11 | 13°43 | 0°16 | 17° 0 | 2°25 | 7°34 | 28°59 | 28° 8 | 27°44 | 17°27 | W 5 |
| T 6 | 21 0 14 | 14° 9'15 | 3♊44 | 21° 3 | 27°20 | 23°39 | 13°49 | 0°19 | 17° 1 | 2°24 | 7°36 | 28°R59 | 28° 5 | 27°50 | 17°33 | T 6 |
| F 7 | 21 4 11 | 15° 6'43 | 15°36 | 20°19 | 28°26 | 24° 7 | 13°54 | 0°23 | 17° 2 | 2°23 | 7°38 | 28°58 | 28° 2 | 27°57 | 17°39 | F 7 |
| S 8 | 21 8 7 | 16° 4'11 | 27°36 | 19°33 | 29°33 | 24°35 | 13°59 | 0°26 | 17° 3 | 2°22 | 7°39 | 28°55 | 27°58 | 28° 4 | 17°44 | S 8 |
| S 9 | 21 12 4 | 17° 1'41 | 9♋50 | 18°46 | 0♎39 | 25° 4 | 14° 4 | 0°30 | 17° 3 | 2°21 | 7°41 | 28°49 | 27°55 | 28°10 | 17°50 | S 9 |
| M10 | 21 16 1 | 17°59'12 | 22°19 | 17°59 | 1°45 | 25°32 | 14° 9 | 0°33 | 17° 4 | 2°20 | 7°43 | 28°41 | 27°52 | 28°17 | 17°56 | M10 |
| T 11 | 21 19 57 | 18°56'44 | 5♌ 6 | 17°13 | 2°51 | 26° 2 | 14°13 | 0°37 | 17° 5 | 2°19 | 7°44 | 28°30 | 27°49 | 28°24 | 18° 1 | T 11 |
| W12 | 21 23 54 | 19°54'17 | 18°10 | 16°28 | 3°57 | 26°31 | 14°18 | 0°41 | 17° 5 | 2°18 | 7°46 | 28°18 | 27°46 | 28°30 | 18° 7 | W12 |
| T 13 | 21 27 50 | 20°51'51 | 1♍31 | 15°46 | 5° 2 | 27° 1 | 14°22 | 0°44 | 17° 6 | 2°16 | 7°48 | 28° 6 | 27°43 | 28°37 | 18°12 | T 13 |
| F 14 | 21 31 47 | 21°49'27 | 15° 7 | 15° 7 | 6° 8 | 27°32 | 14°26 | 0°48 | 17° 6 | 2°15 | 7°49 | 27°54 | 27°39 | 28°44 | 18°18 | F 14 |
| S 15 | 21 35 43 | 22°47'03 | 28°53 | 14°33 | 7°13 | 28° 2 | 14°30 | 0°52 | 17° 6 | 2°14 | 7°51 | 27°45 | 27°36 | 28°50 | 18°23 | S 15 |
| S 16 | 21 39 40 | 23°44'40 | 12♎49 | 14° 3 | 8°18 | 28°33 | 14°33 | 0°56 | 17° 7 | 2°13 | 7°53 | 27°38 | 27°33 | 28°57 | 18°29 | S 16 |
| M17 | 21 43 36 | 24°42'18 | 26°49 | 13°39 | 9°23 | 29° 4 | 14°37 | 1° 1 | 17° 7 | 2°12 | 7°54 | 27°33 | 27°30 | 29° 4 | 18°34 | M17 |
| T 18 | 21 47 33 | 25°39'57 | 10♏53 | 13°21 | 10°27 | 29°36 | 14°40 | 1° 5 | 17° 7 | 2°10 | 7°56 | 27°32 | 27°27 | 29°10 | 18°40 | T 18 |
| W19 | 21 51 30 | 26°37'37 | 25° 0 | 13° 9 | 11°32 | 0♐ 8 | 14°43 | 1° 9 | 17° 7 | 2° 9 | 7°58 | 27°31 | 27°23 | 29°17 | 18°45 | W19 |
| T 20 | 21 55 26 | 27°35'18 | 9♐ 7 | 13°D 5 | 12°36 | 0°40 | 14°46 | 1°14 | 17° 8 | 2° 8 | 7°59 | 27°31 | 27°20 | 29°23 | 18°50 | T 20 |
| F 21 | 21 59 23 | 28°33'00 | 23°15 | 13° 8 | 13°40 | 1°12 | 14°49 | 1°18 | 17° 8 | 2° 7 | 8° 1 | 27°30 | 27°17 | 29°30 | 18°56 | F 21 |
| S 22 | 22 3 19 | 29°30'44 | 7♑21 | 13°18 | 14°44 | 1°45 | 14°51 | 1°23 | 17°R 8 | 2° 5 | 8° 2 | 27°27 | 27°14 | 29°37 | 19° 1 | S 22 |
| S 23 | 22 7 16 | 0♍28'28 | 21°24 | 13°36 | 15°47 | 2°18 | 14°54 | 1°27 | 17° 8 | 2° 4 | 8° 4 | 27°20 | 27°11 | 29°43 | 19° 6 | S 23 |
| M24 | 22 11 12 | 1°26'13 | 5♒21 | 14° 1 | 16°51 | 2°51 | 14°56 | 1°32 | 17° 8 | 2° 3 | 8° 6 | 27°12 | 27° 8 | 29°50 | 19°11 | M24 |
| T 25 | 22 15 9 | 2°24'00 | 19° 8 | 14°34 | 17°54 | 3°24 | 14°58 | 1°37 | 17° 8 | 2° 1 | 8° 7 | 27° 1 | 27° 4 | 29°57 | 19°16 | T 25 |
| W26 | 22 19 5 | 3°21'48 | 2♓41 | 15°14 | 18°57 | 3°58 | 14°59 | 1°41 | 17° 7 | 2° 0 | 8° 9 | 26°48 | 27° 1 | 0♊ 3 | 19°21 | W26 |
| T 27 | 22 23 2 | 4°19'37 | 15°57 | 16° 2 | 19°59 | 4°32 | 15° 1 | 1°46 | 17° 7 | 1°58 | 8°10 | 26°36 | 26°58 | 0°10 | 19°26 | T 27 |
| F 28 | 22 26 59 | 5°17'28 | 28°55 | 16°57 | 21° 1 | 5° 6 | 15° 2 | 1°51 | 17° 7 | 1°57 | 8°12 | 26°25 | 26°55 | 0°17 | 19°31 | F 28 |
| S 29 | 22 30 55 | 6°15'20 | 11♈35 | 17°59 | 22° 3 | 5°40 | 15° 3 | 1°56 | 17° 7 | 1°56 | 8°14 | 26°16 | 26°52 | 0°23 | 19°36 | S 29 |
| S 30 | 22 34 52 | 7°13'14 | 23°56 | 19° 7 | 23° 5 | 6°15 | 15° 4 | 2° 1 | 17° 6 | 1°54 | 8°15 | 26°10 | 26°49 | 0°30 | 19°41 | S 30 |
| M31 | 22 38 48 | 8♍11'10 | 6♉ 3 | 20♌21 | 24♎ 7 | 6♐50 | 15♉ 5 | 2♏ 7 | 17♉ 6 | 1♈53 | 8♌17 | 26♉ 6 | 26♉45 | 0♊37 | 19♋46 | 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 | 17n53 | 2s25 | 4s10 | 9n22 | 4s25 | 3n54 | 0n41 | 20s12 | 2s11 | 14n39 | 1s14 | 9s13 | 2n25 | 16n30 | 0s24 | 0s13 | 1s19 | 22n33 | 4n19 | 19n56 | 19n46 | 19n26 | 16n12 | 6s10 |
| S 2 | 17 38 | 3n 6 | 3 28 | 9 22 | 4 33 | 3 24 | 0 37 | 20 19 | 2 11 | 14 41 | 1 14 | 9 15 | 2 24 | 16 30 | 0 24 | 0 14 | 1 19 | 22 33 | 4 19 | 19 55 | 19 46 | 19 29 | 16 11 | 6 10 |
| M 3 | 17 23 | 8 22 | 2 36 | 9 25 | 4 41 | 2 54 | 0 33 | 20 26 | 2 11 | 14 42 | 1 14 | 9 16 | 2 24 | 16 31 | 0 24 | 0 14 | 1 19 | 22 33 | 4 19 | 19 55 | 19 45 | 19 31 | 16 10 | 6 11 |
| T 4 | 17 7 | 13 16 | 1 39 | 9 30 | 4 47 | 2 24 | 0 30 | 20 34 | 2 12 | 14 44 | 1 14 | 9 17 | 2 24 | 16 31 | 0 24 | 0 14 | 1 19 | 22 32 | 4 19 | 19 55 | 19 44 | 19 34 | 16 10 | 6 11 |
| W 5 | 16 50 | 17 38 | 0 37 | 9 38 | 4 52 | 1 54 | 0 26 | 20 41 | 2 12 | 14 45 | 1 15 | 9 19 | 2 24 | 16 31 | 0 24 | 0 15 | 1 19 | 22 32 | 4 19 | 19 55 | 19 43 | 19 36 | 16 9 | 6 11 |
| T 6 | 16 34 | 21 17 | 0n25 | 9 48 | 4 55 | 1 23 | 0 21 | 20 48 | 2 12 | 14 47 | 1 15 | 9 20 | 2 23 | 16 31 | 0 24 | 0 15 | 1 19 | 22 32 | 4 19 | 19 55 | 19 43 | 19 38 | 16 8 | 6 11 |
| F 7 | 16 17 | 24 5 | 1 27 | 10 1 | 4 56 | 0 53 | 0 17 | 20 55 | 2 13 | 14 48 | 1 15 | 9 21 | 2 23 | 16 32 | 0 24 | 0 16 | 1 19 | 22 31 | 4 19 | 19 54 | 19 42 | 19 41 | 16 7 | 6 12 |
| S 8 | 16 0 | 25 49 | 2 26 | 10 15 | 4 56 | 0 23 | 0 13 | 21 3 | 2 13 | 14 49 | 1 15 | 9 23 | 2 23 | 16 32 | 0 24 | 0 16 | 1 19 | 22 31 | 4 19 | 19 54 | 19 41 | 19 43 | 16 6 | 6 12 |
| S 9 | 15 43 | 26 21 | 3 19 | 10 31 | 4 54 | 0s 7 | 0 9 | 21 10 | 2 13 | 14 51 | 1 15 | 9 24 | 2 23 | 16 32 | 0 24 | 0 16 | 1 19 | 22 30 | 4 19 | 19 53 | 19 41 | 19 45 | 16 5 | 6 12 |
| M10 | 15 26 | 25 34 | 4 3 | 10 49 | 4 50 | 0 38 | 0 4 | 21 17 | 2 13 | 14 52 | 1 16 | 9 26 | 2 23 | 16 32 | 0 24 | 0 17 | 1 19 | 22 30 | 4 20 | 19 51 | 19 40 | 19 48 | 16 4 | 6 13 |
| T 11 | 15 8 | 23 26 | 4 36 | 11 9 | 4 44 | 1 8 | 0s 0 | 21 24 | 2 14 | 14 53 | 1 16 | 9 27 | 2 22 | 16 32 | 0 24 | 0 17 | 1 19 | 22 30 | 4 20 | 19 48 | 19 39 | 19 50 | 16 3 | 6 13 |
| W12 | 14 50 | 20 3 | 4 56 | 11 29 | 4 37 | 1 38 | 0 5 | 21 32 | 2 14 | 14 54 | 1 16 | 9 29 | 2 22 | 16 32 | 0 24 | 0 18 | 1 19 | 22 29 | 4 20 | 19 46 | 19 39 | 19 52 | 16 2 | 6 13 |
| T 13 | 14 32 | 15 35 | 5 0 | 11 50 | 4 27 | 2 8 | 0 9 | 21 39 | 2 14 | 14 55 | 1 16 | 9 30 | 2 22 | 16 33 | 0 24 | 0 18 | 1 19 | 22 29 | 4 20 | 19 43 | 19 38 | 19 55 | 16 1 | 6 13 |
| F 14 | 14 13 | 10 16 | 4 47 | 12 12 | 4 16 | 2 39 | 0 14 | 21 46 | 2 14 | 14 56 | 1 16 | 9 32 | 2 22 | 16 33 | 0 24 | 0 19 | 1 19 | 22 29 | 4 20 | 19 40 | 19 37 | 19 57 | 15 59 | 6 14 |
| S 15 | 13 54 | 4 23 | 4 18 | 12 33 | 4 4 | 3 9 | 0 19 | 21 53 | 2 14 | 14 57 | 1 17 | 9 33 | 2 21 | 16 33 | 0 24 | 0 19 | 1 19 | 22 28 | 4 20 | 19 38 | 19 36 | 19 59 | 15 58 | 6 14 |
| S 16 | 13 36 | 1s47 | 3 33 | 12 55 | 3 50 | 3 39 | 0 23 | 22 0 | 2 14 | 14 58 | 1 17 | 9 35 | 2 21 | 16 33 | 0 24 | 0 20 | 1 19 | 22 28 | 4 20 | 19 37 | 19 36 | 20 2 | 15 57 | 6 14 |
| M17 | 13 16 | 7 55 | 2 35 | 13 16 | 3 36 | 4 9 | 0 28 | 22 7 | 2 15 | 14 59 | 1 17 | 9 37 | 2 21 | 16 33 | 0 24 | 0 20 | 1 19 | 22 28 | 4 20 | 19 36 | 19 35 | 20 4 | 15 56 | 6 15 |
| T 18 | 12 57 | 13 42 | 1 27 | 13 36 | 3 20 | 4 39 | 0 33 | 22 14 | 2 15 | 15 0 | 1 17 | 9 38 | 2 21 | 16 33 | 0 24 | 0 21 | 1 19 | 22 27 | 4 20 | 19 35 | 19 34 | 20 6 | 15 55 | 6 15 |
| W19 | 12 38 | 18 47 | 0 13 | 13 55 | 3 3 | 5 9 | 0 38 | 22 21 | 2 15 | 15 0 | 1 17 | 9 40 | 2 20 | 16 33 | 0 24 | 0 21 | 1 19 | 22 27 | 4 20 | 19 35 | 19 33 | 20 9 | 15 54 | 6 16 |
| T 20 | 12 18 | 22 48 | 1s 1 | 14 13 | 2 46 | 5 39 | 0 44 | 22 28 | 2 15 | 15 1 | 1 18 | 9 42 | 2 20 | 16 33 | 0 24 | 0 22 | 1 19 | 22 27 | 4 20 | 19 35 | 19 33 | 20 11 | 15 53 | 6 16 |
| F 21 | 11 58 | 25 26 | 2 12 | 14 29 | 2 29 | 6 8 | 0 49 | 22 35 | 2 15 | 15 2 | 1 18 | 9 43 | 2 20 | 16 33 | 0 24 | 0 23 | 1 19 | 22 26 | 4 21 | 19 35 | 19 32 | 20 13 | 15 52 | 6 16 |
| S 22 | 11 38 | 26 26 | 3 14 | 14 43 | 2 11 | 6 38 | 0 54 | 22 42 | 2 15 | 15 2 | 1 18 | 9 45 | 2 20 | 16 33 | 0 24 | 0 23 | 1 19 | 22 26 | 4 21 | 19 34 | 19 31 | 20 15 | 15 51 | 6 17 |
| S 23 | 11 18 | 25 44 | 4 4 | 14 55 | 1 53 | 7 7 | 0 59 | 22 48 | 2 15 | 15 3 | 1 18 | 9 47 | 2 20 | 16 33 | 0 24 | 0 24 | 1 19 | 22 26 | 4 21 | 19 33 | 19 31 | 20 18 | 15 50 | 6 17 |
| M24 | 10 57 | 23 25 | 4 39 | 15 5 | 1 36 | 7 36 | 1 5 | 22 55 | 2 15 | 15 3 | 1 18 | 9 49 | 2 19 | 16 33 | 0 24 | 0 24 | 1 19 | 22 25 | 4 21 | 19 31 | 19 30 | 20 20 | 15 49 | 6 17 |
| T 25 | 10 37 | 19 47 | 4 58 | 15 12 | 1 18 | 8 6 | 1 10 | 23 1 | 2 15 | 15 3 | 1 19 | 9 51 | 2 19 | 16 33 | 0 24 | 0 25 | 1 19 | 22 25 | 4 21 | 19 28 | 19 29 | 20 22 | 15 48 | 6 18 |
| W26 | 10 16 | 15 9 | 4 59 | 15 17 | 1 1 | 8 35 | 1 15 | 23 8 | 2 15 | 15 4 | 1 19 | 9 53 | 2 19 | 16 33 | 0 24 | 0 25 | 1 20 | 22 25 | 4 21 | 19 25 | 19 28 | 20 25 | 15 47 | 6 18 |
| T 27 | 9 55 | 9 53 | 4 44 | 15 19 | 0 44 | 9 3 | 1 21 | 23 14 | 2 15 | 15 4 | 1 19 | 9 54 | 2 19 | 16 33 | 0 24 | 0 26 | 1 20 | 22 24 | 4 21 | 19 23 | 19 28 | 20 27 | 15 46 | 6 19 |
| F 28 | 9 34 | 4 19 | 4 14 | 15 18 | 0 28 | 9 32 | 1 26 | 23 21 | 2 15 | 15 4 | 1 19 | 9 56 | 2 19 | 16 33 | 0 24 | 0 27 | 1 20 | 22 24 | 4 21 | 19 20 | 19 27 | 20 29 | 15 45 | 6 19 |
| S 29 | 9 12 | 1n19 | 3 33 | 15 14 | 0 13 | 10 0 | 1 32 | 23 27 | 2 15 | 15 4 | 1 19 | 9 58 | 2 18 | 16 33 | 0 24 | 0 27 | 1 20 | 22 24 | 4 22 | 19 18 | 19 26 | 20 31 | 15 43 | 6 20 |
| S 30 | 8 51 | 6 46 | 2 42 | 15 6 | 0n 2 | 10 29 | 1 38 | 23 33 | 2 15 | 15 4 | 1 20 | 10 0 | 2 18 | 16 32 | 0 24 | 0 28 | 1 20 | 22 24 | 4 22 | 19 17 | 19 25 | 20 34 | 15 42 | 6 20 |
| M31 | 8n30 | 11n53 | 1s44 | 14n56 | 0n16 | 10s57 | 1s43 | 23s39 | 2s15 | 15n 4 | 1s20 | 10s 2 | 2n18 | 16n32 | 0s24 | 0s28 | 1s20 | 22n23 | 4n22 | 19n16 | 19n25 | 20n36 | 15n41 | 6s20 |

Julian Day Number = 2520788.5, Delta T = 153.16 sec
Ecliptic obliquity = 23°24'58, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°23'23, Lahiri = 26°30'23

# ASTRODIENST EPHEMERIS for the year 2189
# geocentric

## SEPTEMBER 2189 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 42 45 | 9♍ 9'08 | 17♉59 | 21♌42 | 25♎ 8 | 7♐25 | 15♉ 6 | 2♏12 | 17°R 5 | 1°R51 | 8♌18 | 26°R 5 | 26♉42 | 0♊43 | 19♋51 | T 1 |
| W 2 | 22 46 41 | 10° 7'07 | 29°48 | 23° 8 | 26° 8 | 8° 0 | 15° 6 | 2°17 | 17♉ 5 | 1♈50 | 8°20 | 26°D 5 | 26°39 | 0°50 | 19°55 | W 2 |
| T 3 | 22 50 38 | 11° 5'09 | 11♊37 | 24°38 | 27° 9 | 8°36 | 15°R 6 | 2°22 | 17° 4 | 1°48 | 8°21 | 26°R 5 | 26°36 | 0°56 | 20° 0 | T 3 |
| F 4 | 22 54 34 | 12° 3'12 | 23°29 | 26°14 | 28° 9 | 9°11 | 15° 6 | 2°28 | 17° 4 | 1°47 | 8°23 | 26♉ 4 | 26°33 | 1° 3 | 20° 4 | F 4 |
| S 5 | 22 58 31 | 13° 1'17 | 5♋32 | 27°53 | 29° 9 | 9°47 | 15° 6 | 2°33 | 17° 3 | 1°45 | 8°24 | 26° 2 | 26°29 | 1°10 | 20° 9 | S 5 |
| S 6 | 23 2 28 | 13°59'24 | 17°49 | 29°36 | 0♏ 9 | 10°23 | 15° 6 | 2°39 | 17° 2 | 1°43 | 8°25 | 25°58 | 26°26 | 1°16 | 20°14 | S 6 |
| M 7 | 23 6 24 | 14°57'33 | 0♌25 | 1♍21 | 1° 8 | 11° 0 | 15° 5 | 2°44 | 17° 2 | 1°42 | 8°27 | 25°51 | 26°23 | 1°23 | 20°18 | M 7 |
| T 8 | 23 10 21 | 15°55'44 | 13°22 | 3° 9 | 2° 7 | 11°36 | 15° 4 | 2°50 | 17° 1 | 1°40 | 8°28 | 25°41 | 26°20 | 1°30 | 20°22 | T 8 |
| W 9 | 23 14 17 | 16°53'56 | 26°42 | 5° 0 | 3° 5 | 12°13 | 15° 3 | 2°56 | 17° 0 | 1°39 | 8°30 | 25°31 | 26°17 | 1°36 | 20°27 | W 9 |
| T 10 | 23 18 14 | 17°52'11 | 10♍22 | 6°51 | 4° 3 | 12°50 | 15° 2 | 3° 1 | 16°59 | 1°37 | 8°31 | 25°20 | 26°14 | 1°43 | 20°31 | T 10 |
| F 11 | 23 22 10 | 18°50'27 | 24°21 | 8°44 | 5° 1 | 13°27 | 15° 0 | 3° 7 | 16°58 | 1°36 | 8°33 | 25° 9 | 26°10 | 1°50 | 20°35 | F 11 |
| S 12 | 23 26 7 | 19°48'45 | 8♎33 | 10°38 | 5°58 | 14° 5 | 14°59 | 3°13 | 16°57 | 1°34 | 8°34 | 25° 1 | 26° 7 | 1°56 | 20°39 | S 12 |
| S 13 | 23 30 3 | 20°47'05 | 22°54 | 12°33 | 6°55 | 14°42 | 14°57 | 3°19 | 16°56 | 1°32 | 8°35 | 24°54 | 26° 4 | 2° 3 | 20°43 | S 13 |
| M14 | 23 34 0 | 21°45'26 | 7♏17 | 14°27 | 7°51 | 15°20 | 14°55 | 3°25 | 16°55 | 1°31 | 8°37 | 24°51 | 26° 1 | 2°10 | 20°47 | M14 |
| T 15 | 23 37 57 | 22°43'49 | 21°39 | 16°22 | 8°47 | 15°58 | 14°53 | 3°31 | 16°54 | 1°29 | 8°38 | 24°D50 | 25°58 | 2°16 | 20°51 | T 15 |
| W16 | 23 41 53 | 23°42'13 | 5♐56 | 18°16 | 9°42 | 16°36 | 14°50 | 3°37 | 16°53 | 1°27 | 8°39 | 24°50 | 25°54 | 2°23 | 20°55 | W16 |
| T 17 | 23 45 50 | 24°40'39 | 20° 6 | 20°10 | 10°37 | 17°15 | 14°48 | 3°43 | 16°51 | 1°26 | 8°40 | 24°R51 | 25°51 | 2°29 | 20°59 | T 17 |
| F 18 | 23 49 46 | 25°39'07 | 4♑ 7 | 22° 4 | 11°31 | 17°53 | 14°45 | 3°49 | 16°50 | 1°24 | 8°42 | 24°50 | 25°48 | 2°36 | 21° 3 | F 18 |
| S 19 | 23 53 43 | 26°37'36 | 18° 0 | 23°57 | 12°25 | 18°32 | 14°42 | 3°56 | 16°49 | 1°22 | 8°43 | 24°48 | 25°45 | 2°43 | 21° 6 | S 19 |
| S 20 | 23 57 39 | 27°36'07 | 1♒43 | 25°49 | 13°18 | 19°11 | 14°39 | 4° 2 | 16°48 | 1°21 | 8°44 | 24°44 | 25°42 | 2°49 | 21°10 | S 20 |
| M21 | 0 1 36 | 28°34'39 | 15°16 | 27°41 | 14°11 | 19°50 | 14°35 | 4° 8 | 16°46 | 1°19 | 8°45 | 24°37 | 25°39 | 2°56 | 21°13 | M21 |
| T 22 | 0 5 32 | 29°33'13 | 28°38 | 29°31 | 15° 3 | 20°29 | 14°32 | 4°15 | 16°45 | 1°18 | 8°47 | 24°29 | 25°35 | 3° 3 | 21°17 | T 22 |
| W23 | 0 9 29 | 0♎31'49 | 11♓47 | 1♎21 | 15°54 | 21° 8 | 14°28 | 4°21 | 16°43 | 1°16 | 8°48 | 24°20 | 25°32 | 3° 9 | 21°20 | W23 |
| T 24 | 0 13 26 | 1°30'27 | 24°43 | 3°10 | 16°45 | 21°48 | 14°24 | 4°27 | 16°42 | 1°14 | 8°49 | 24°10 | 25°29 | 3°16 | 21°24 | T 24 |
| F 25 | 0 17 22 | 2°29'06 | 7♈24 | 4°57 | 17°35 | 22°27 | 14°20 | 4°34 | 16°40 | 1°13 | 8°50 | 24° 2 | 25°26 | 3°23 | 21°27 | F 25 |
| S 26 | 0 21 19 | 3°27'48 | 19°51 | 6°44 | 18°24 | 23° 7 | 14°15 | 4°40 | 16°39 | 1°11 | 8°51 | 23°55 | 25°23 | 3°29 | 21°30 | S 26 |
| S 27 | 0 25 15 | 4°26'31 | 2♉ 4 | 8°30 | 19°13 | 23°47 | 14°11 | 4°47 | 16°37 | 1° 9 | 8°52 | 23°50 | 25°20 | 3°36 | 21°33 | S 27 |
| M28 | 0 29 12 | 5°25'17 | 14° 6 | 10°15 | 20° 0 | 24°27 | 14° 6 | 4°54 | 16°35 | 1° 8 | 8°53 | 23°48 | 25°16 | 3°43 | 21°36 | M28 |
| T 29 | 0 33 8 | 6°24'04 | 25°59 | 11°59 | 20°47 | 25° 7 | 14° 1 | 5° 0 | 16°34 | 1° 6 | 8°54 | 23°D47 | 25°13 | 3°49 | 21°39 | T 29 |
| W30 | 0 37 5 | 7♎22'55 | 7♊47 | 13♎42 | 21♏34 | 25♐48 | 13♉56 | 5♏ 7 | 16♉32 | 1♈ 4 | 8♌55 | 23♉48 | 25♉10 | 3♊56 | 21♋42 | W30 |

| 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 | 8n 8 | 16n29 | 0s43 | 14n43 | 0n29 | 11s25 | 1s49 | 23s45 | 2s15 | 15n 4 | 1s20 | 10s 4 | 2n18 | 16n32 | 0s24 | 0s29 | 1s20 | 22n23 | 4n22 | 19n15 | 19n24 | 20n38 | 15n40 | 6s21 |
| W 2 | 7 46 | 20 25 | 0n20 | 14 26 | 0 41 | 11 52 | 1 55 | 23 50 | 2 15 | 15 4 | 1 20 | 10 6 | 2 18 | 16 32 | 0 24 | 0 30 | 1 20 | 22 23 | 4 22 | 19 15 | 19 23 | 20 40 | 15 39 | 6 21 |
| T 3 | 7 24 | 23 30 | 1 22 | 14 7 | 0 52 | 12 19 | 2 1 | 23 56 | 2 15 | 15 4 | 1 20 | 10 8 | 2 17 | 16 32 | 0 24 | 0 30 | 1 20 | 22 22 | 4 22 | 19 15 | 19 23 | 20 43 | 15 38 | 6 22 |
| F 4 | 7 2 | 25 36 | 2 20 | 13 44 | 1 2 | 12 47 | 2 7 | 24 1 | 2 15 | 15 4 | 1 21 | 10 10 | 2 17 | 16 32 | 0 24 | 0 31 | 1 20 | 22 22 | 4 22 | 19 15 | 19 22 | 20 45 | 15 37 | 6 22 |
| S 5 | 6 40 | 26 31 | 3 13 | 13 18 | 1 11 | 13 14 | 2 12 | 24 7 | 2 14 | 15 4 | 1 21 | 10 12 | 2 17 | 16 31 | 0 24 | 0 31 | 1 20 | 22 22 | 4 22 | 19 15 | 19 21 | 20 47 | 15 36 | 6 23 |
| S 6 | 6 18 | 26 11 | 3 59 | 12 50 | 1 19 | 13 40 | 2 18 | 24 12 | 2 14 | 15 3 | 1 21 | 10 14 | 2 17 | 16 31 | 0 24 | 0 32 | 1 20 | 22 22 | 4 23 | 19 14 | 19 20 | 20 49 | 15 35 | 6 23 |
| M 7 | 5 55 | 24 30 | 4 34 | 12 19 | 1 26 | 14 7 | 2 24 | 24 17 | 2 14 | 15 3 | 1 21 | 10 16 | 2 17 | 16 31 | 0 24 | 0 33 | 1 20 | 22 21 | 4 23 | 19 12 | 19 20 | 20 51 | 15 33 | 6 24 |
| T 8 | 5 33 | 21 31 | 4 56 | 11 46 | 1 32 | 14 33 | 2 30 | 24 22 | 2 14 | 15 3 | 1 21 | 10 18 | 2 17 | 16 31 | 0 24 | 0 33 | 1 20 | 22 21 | 4 23 | 19 10 | 19 19 | 20 54 | 15 32 | 6 24 |
| W 9 | 5 10 | 17 20 | 5 3 | 11 10 | 1 37 | 14 58 | 2 36 | 24 27 | 2 14 | 15 2 | 1 22 | 10 20 | 2 16 | 16 31 | 0 24 | 0 34 | 1 20 | 22 21 | 4 23 | 19 7 | 19 18 | 20 56 | 15 31 | 6 25 |
| T 10 | 4 47 | 12 11 | 4 52 | 10 33 | 1 41 | 15 24 | 2 42 | 24 31 | 2 14 | 15 2 | 1 22 | 10 22 | 2 16 | 16 30 | 0 24 | 0 35 | 1 20 | 22 21 | 4 23 | 19 5 | 19 17 | 20 58 | 15 30 | 6 25 |
| F 11 | 4 25 | 6 18 | 4 25 | 9 54 | 1 44 | 15 49 | 2 48 | 24 36 | 2 13 | 15 1 | 1 22 | 10 25 | 2 16 | 16 30 | 0 24 | 0 35 | 1 20 | 22 20 | 4 23 | 19 2 | 19 17 | 21 0 | 15 29 | 6 26 |
| S 12 | 4 2 | 0s 1 | 3 40 | 9 13 | 1 46 | 16 14 | 2 54 | 24 40 | 2 13 | 15 0 | 1 22 | 10 27 | 2 16 | 16 30 | 0 24 | 0 36 | 1 20 | 22 20 | 4 23 | 19 0 | 19 16 | 21 3 | 15 28 | 6 26 |
| S 13 | 3 39 | 6 23 | 2 42 | 8 30 | 1 48 | 16 39 | 3 0 | 24 44 | 2 13 | 15 0 | 1 22 | 10 29 | 2 16 | 16 29 | 0 24 | 0 37 | 1 20 | 22 20 | 4 24 | 18 59 | 19 15 | 21 5 | 15 27 | 6 27 |
| M14 | 3 16 | 12 29 | 1 32 | 7 47 | 1 48 | 17 3 | 3 6 | 24 49 | 2 13 | 14 59 | 1 22 | 10 31 | 2 16 | 16 29 | 0 24 | 0 37 | 1 20 | 22 20 | 4 24 | 18 58 | 19 14 | 21 7 | 15 26 | 6 27 |
| T 15 | 2 53 | 17 53 | 0 17 | 7 2 | 1 48 | 17 27 | 3 12 | 24 52 | 2 12 | 14 58 | 1 23 | 10 33 | 2 15 | 16 29 | 0 24 | 0 38 | 1 20 | 22 20 | 4 24 | 18 57 | 19 14 | 21 9 | 15 25 | 6 28 |
| W16 | 2 30 | 22 15 | 0s59 | 6 17 | 1 47 | 17 50 | 3 18 | 24 56 | 2 12 | 14 57 | 1 23 | 10 35 | 2 15 | 16 28 | 0 24 | 0 39 | 1 20 | 22 19 | 4 24 | 18 57 | 19 13 | 21 11 | 15 24 | 6 28 |
| T 17 | 2 7 | 25 13 | 2 11 | 5 31 | 1 46 | 18 14 | 3 24 | 25 0 | 2 12 | 14 56 | 1 23 | 10 38 | 2 15 | 16 28 | 0 24 | 0 39 | 1 20 | 22 19 | 4 24 | 18 58 | 19 12 | 21 13 | 15 22 | 6 29 |
| F 18 | 1 44 | 26 35 | 3 14 | 4 44 | 1 44 | 18 36 | 3 30 | 25 3 | 2 12 | 14 55 | 1 23 | 10 40 | 2 15 | 16 28 | 0 24 | 0 40 | 1 20 | 22 19 | 4 24 | 18 58 | 19 11 | 21 16 | 15 21 | 6 29 |
| S 19 | 1 20 | 26 15 | 4 5 | 3 57 | 1 41 | 18 59 | 3 36 | 25 6 | 2 11 | 14 54 | 1 23 | 10 42 | 2 15 | 16 27 | 0 24 | 0 41 | 1 20 | 22 19 | 4 24 | 18 57 | 19 11 | 21 18 | 15 20 | 6 30 |
| S 20 | 0 57 | 24 20 | 4 42 | 3 10 | 1 38 | 19 21 | 3 42 | 25 9 | 2 11 | 14 53 | 1 23 | 10 44 | 2 15 | 16 27 | 0 24 | 0 41 | 1 20 | 22 19 | 4 25 | 18 56 | 19 10 | 21 20 | 15 19 | 6 30 |
| M21 | 0 34 | 21 2 | 5 2 | 2 22 | 1 34 | 19 43 | 3 48 | 25 12 | 2 11 | 14 52 | 1 24 | 10 46 | 2 15 | 16 27 | 0 24 | 0 42 | 1 20 | 22 18 | 4 25 | 18 54 | 19 9 | 21 22 | 15 18 | 6 31 |
| T 22 | 0 11 | 16 42 | 5 5 | 1 35 | 1 30 | 20 4 | 3 54 | 25 15 | 2 10 | 14 51 | 1 24 | 10 49 | 2 14 | 16 26 | 0 24 | 0 43 | 1 20 | 22 18 | 4 25 | 18 52 | 19 8 | 21 24 | 15 17 | 6 32 |
| W23 | 0s13 | 11 37 | 4 52 | 0 47 | 1 26 | 20 25 | 4 0 | 25 17 | 2 10 | 14 50 | 1 24 | 10 51 | 2 14 | 16 26 | 0 24 | 0 43 | 1 20 | 22 18 | 4 25 | 18 50 | 19 8 | 21 26 | 15 16 | 6 32 |
| T 24 | 0 36 | 6 8 | 4 24 | 0s 1 | 1 21 | 20 45 | 4 6 | 25 19 | 2 10 | 14 48 | 1 24 | 10 53 | 2 14 | 16 25 | 0 24 | 0 44 | 1 20 | 22 18 | 4 25 | 18 48 | 19 7 | 21 28 | 15 15 | 6 33 |
| F 25 | 0 59 | 0 29 | 3 43 | 0 48 | 1 16 | 21 5 | 4 12 | 25 21 | 2 9 | 14 47 | 1 24 | 10 55 | 2 14 | 16 25 | 0 24 | 0 45 | 1 20 | 22 18 | 4 25 | 18 46 | 19 6 | 21 31 | 15 14 | 6 33 |
| S 26 | 1 23 | 5n 5 | 2 52 | 1 35 | 1 11 | 21 25 | 4 18 | 25 23 | 2 9 | 14 45 | 1 24 | 10 58 | 2 14 | 16 24 | 0 24 | 0 45 | 1 20 | 22 18 | 4 26 | 18 44 | 19 5 | 21 33 | 15 13 | 6 34 |
| S 27 | 1 46 | 10 23 | 1 55 | 2 22 | 1 5 | 21 44 | 4 23 | 25 25 | 2 9 | 14 44 | 1 25 | 11 0 | 2 14 | 16 24 | 0 24 | 0 46 | 1 20 | 22 18 | 4 26 | 18 43 | 19 5 | 21 35 | 15 12 | 6 35 |
| M28 | 2 9 | 15 13 | 0 52 | 3 8 | 1 0 | 22 2 | 4 29 | 25 26 | 2 8 | 14 42 | 1 25 | 11 2 | 2 14 | 16 23 | 0 24 | 0 47 | 1 20 | 22 17 | 4 26 | 18 42 | 19 4 | 21 37 | 15 11 | 6 35 |
| T 29 | 2 32 | 19 26 | 0n12 | 3 55 | 0 54 | 22 21 | 4 35 | 25 27 | 2 8 | 14 41 | 1 25 | 11 5 | 2 14 | 16 23 | 0 24 | 0 47 | 1 20 | 22 17 | 4 26 | 18 42 | 19 3 | 21 39 | 15 10 | 6 36 |
| W30 | 2s56 | 22n49 | 1n15 | 4s40 | 0n47 | 22s38 | 4s40 | 25s28 | 2s 8 | 14n39 | 1s25 | 11s 7 | 2n13 | 16n22 | 0s24 | 0s48 | 1s20 | 22n17 | 4n26 | 18n42 | 19n 2 | 21n41 | 15n 9 | 6s36 |

Julian Day Number = 2520819.5, Delta T = 153.23 sec
Ecliptic obliquity = 23°24'58, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°23'27, Lahiri = 26°30'27

# ASTRODIENST EPHEMERIS for the year 2189
# geocentric

## OCTOBER 2189 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 41 1 | 8♎21'47 | 19♊35 | 15♎24 | 22♏19 | 26♐28 | 13°R51 | 5♏13 | 16°R30 | 1°R 3 | 8♌56 | 23♉49 | 25♉ 7 | 4♊ 3 | 21♋45 | T 1 |
| F 2 | 0 44 58 | 9°20'41 | 1♋27 | 17° 6 | 23° 3 | 27° 9 | 13♉46 | 5°20 | 16♉28 | 1♈ 1 | 8°57 | 23°51 | 25° 4 | 4° 9 | 21°47 | F 2 |
| S 3 | 0 48 55 | 10°19'38 | 13°28 | 18°46 | 23°47 | 27°49 | 13°40 | 5°27 | 16°27 | 0°59 | 8°58 | 23°R51 | 25° 0 | 4°16 | 21°50 | S 3 |
| S 4 | 0 52 51 | 11°18'37 | 25°45 | 20°25 | 24°29 | 28°30 | 13°35 | 5°34 | 16°25 | 0°58 | 8°59 | 23°50 | 24°57 | 4°22 | 21°53 | S 4 |
| M 5 | 0 56 48 | 12°17'39 | 8♌21 | 22° 4 | 25°11 | 29°11 | 13°29 | 5°41 | 16°23 | 0°56 | 9° 0 | 23°47 | 24°54 | 4°29 | 21°55 | M 5 |
| T 6 | 1 0 44 | 13°16'42 | 21°20 | 23°42 | 25°51 | 29°53 | 13°23 | 5°47 | 16°21 | 0°54 | 9° 1 | 23°42 | 24°51 | 4°36 | 21°57 | T 6 |
| W 7 | 1 4 41 | 14°15'48 | 4♍44 | 25°19 | 26°31 | 0♋34 | 13°17 | 5°54 | 16°19 | 0°53 | 9° 2 | 23°36 | 24°48 | 4°42 | 22° 0 | W 7 |
| T 8 | 1 8 37 | 15°14'56 | 18°34 | 26°55 | 27° 9 | 1°15 | 13°10 | 6° 1 | 16°17 | 0°51 | 9° 3 | 23°30 | 24°45 | 4°49 | 22° 2 | T 8 |
| F 9 | 1 12 34 | 16°14'06 | 2♎47 | 28°30 | 27°46 | 1°57 | 13° 4 | 6° 8 | 16°15 | 0°50 | 9° 3 | 23°24 | 24°41 | 4°56 | 22° 4 | F 9 |
| S 10 | 1 16 30 | 17°13'18 | 17°20 | 0♏ 5 | 28°22 | 2°39 | 12°57 | 6°15 | 16°13 | 0°48 | 9° 4 | 23°19 | 24°38 | 5° 2 | 22° 6 | S 10 |
| S 11 | 1 20 27 | 18°12'33 | 2♏ 4 | 1°38 | 28°56 | 3°20 | 12°51 | 6°22 | 16°11 | 0°46 | 9° 5 | 23°16 | 24°35 | 5° 9 | 22° 8 | S 11 |
| M12 | 1 24 23 | 19°11'49 | 16°52 | 3°11 | 29°29 | 4° 2 | 12°44 | 6°29 | 16° 9 | 0°45 | 9° 6 | 23°D14 | 24°32 | 5°16 | 22°10 | M12 |
| T 13 | 1 28 20 | 20°11'07 | 1♐39 | 4°44 | 0♐ 1 | 4°44 | 12°37 | 6°36 | 16° 7 | 0°43 | 9° 7 | 23°15 | 24°29 | 5°22 | 22°12 | T 13 |
| W14 | 1 32 17 | 21°10'27 | 16°16 | 6°15 | 0°32 | 5°27 | 12°30 | 6°43 | 16° 4 | 0°42 | 9° 7 | 23°16 | 24°26 | 5°29 | 22°14 | W14 |
| T 15 | 1 36 13 | 22° 9'49 | 0♑40 | 7°46 | 1° 1 | 6° 9 | 12°23 | 6°50 | 16° 2 | 0°40 | 9° 8 | 23°17 | 24°22 | 5°36 | 22°15 | T 15 |
| F 16 | 1 40 10 | 23° 9'13 | 14°48 | 9°16 | 1°28 | 6°51 | 12°16 | 6°57 | 16° 0 | 0°39 | 9° 9 | 23°18 | 24°19 | 5°42 | 22°17 | F 16 |
| S 17 | 1 44 6 | 24° 8'38 | 28°39 | 10°45 | 1°54 | 7°34 | 12° 8 | 7° 4 | 15°58 | 0°37 | 9° 9 | 23°R18 | 24°16 | 5°49 | 22°18 | S 17 |
| S 18 | 1 48 3 | 25° 8'05 | 12♒12 | 12°14 | 2°18 | 8°16 | 12° 1 | 7°12 | 15°55 | 0°36 | 9°10 | 23°17 | 24°13 | 5°56 | 22°20 | S 18 |
| M19 | 1 51 59 | 26° 7'34 | 25°30 | 13°42 | 2°40 | 8°59 | 11°53 | 7°19 | 15°53 | 0°34 | 9°10 | 23°15 | 24°10 | 6° 2 | 22°21 | M19 |
| T 20 | 1 55 56 | 27° 7'04 | 8♓32 | 15° 9 | 3° 0 | 9°42 | 11°46 | 7°26 | 15°51 | 0°33 | 9°11 | 23°11 | 24° 6 | 6° 9 | 22°22 | T 20 |
| W21 | 1 59 52 | 28° 6'36 | 21°20 | 16°35 | 3°19 | 10°25 | 11°38 | 7°33 | 15°49 | 0°31 | 9°11 | 23° 7 | 24° 3 | 6°15 | 22°23 | W21 |
| T 22 | 2 3 49 | 29° 6'10 | 3♈55 | 18° 1 | 3°36 | 11° 8 | 11°30 | 7°40 | 15°46 | 0°30 | 9°12 | 23° 3 | 24° 0 | 6°22 | 22°24 | T 22 |
| F 23 | 2 7 46 | 0♏ 5'46 | 16°18 | 19°26 | 3°50 | 11°51 | 11°22 | 7°47 | 15°44 | 0°29 | 9°12 | 23° 0 | 23°57 | 6°29 | 22°25 | F 23 |
| S 24 | 2 11 42 | 1° 5'24 | 28°30 | 20°50 | 4° 3 | 12°34 | 11°15 | 7°55 | 15°42 | 0°27 | 9°13 | 22°57 | 23°54 | 6°35 | 22°26 | S 24 |
| S 25 | 2 15 39 | 2° 5'04 | 10♉33 | 22°13 | 4°13 | 13°17 | 11° 7 | 8° 2 | 15°39 | 0°26 | 9°13 | 22°55 | 23°51 | 6°42 | 22°27 | S 25 |
| M26 | 2 19 35 | 3° 4'46 | 22°28 | 23°35 | 4°21 | 14° 0 | 10°59 | 8° 9 | 15°37 | 0°25 | 9°14 | 22°D55 | 23°47 | 6°49 | 22°28 | M26 |
| T 27 | 2 23 32 | 4° 4'30 | 4♊18 | 24°56 | 4°27 | 14°44 | 10°51 | 8°16 | 15°34 | 0°23 | 9°14 | 22°55 | 23°44 | 6°55 | 22°28 | T 27 |
| W28 | 2 27 28 | 5° 4'16 | 16° 5 | 26°16 | 4°31 | 15°27 | 10°43 | 8°23 | 15°32 | 0°22 | 9°14 | 22°56 | 23°41 | 7° 2 | 22°29 | W28 |
| T 29 | 2 31 25 | 6° 4'04 | 27°53 | 27°35 | 4°R33 | 16°11 | 10°34 | 8°31 | 15°30 | 0°21 | 9°15 | 22°58 | 23°38 | 7° 9 | 22°29 | T 29 |
| F 30 | 2 35 21 | 7° 3'54 | 9♋45 | 28°53 | 4°32 | 16°55 | 10°26 | 8°38 | 15°27 | 0°19 | 9°15 | 22°59 | 23°35 | 7°15 | 22°29 | F 30 |
| S 31 | 2 39 18 | 8♏ 3'47 | 21♋46 | 0♐10 | 4♐28 | 17♑38 | 10♉18 | 8♏45 | 15♉25 | 0♈18 | 9♌15 | 23♉ 0 | 23♉31 | 7♊22 | 22♋30 | 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 | 3s19 | 25n15 | 2n15 | 5s26 | 0n41 | 22s56 | 4s46 | 25s29 | 2s 7 | 14n38 | 1s25 | 11s 9 | 2n13 | 16n22 | 0s24 | 0s49 | 1s20 | 22n17 | 4n26 | 18n43 | 19n 2 | 21n43 | 15n 8 | 6s37 |
| F 2 | 3 42 | 26 34 | 3 10 | 6 11 | 0 34 | 23 12 | 4 51 | 25 30 | 2 7 | 14 36 | 1 25 | 11 12 | 2 13 | 16 21 | 0 24 | 0 49 | 1 20 | 22 17 | 4 27 | 18 43 | 19 1 | 21 45 | 15 7 | 6 38 |
| S 3 | 4 5 | 26 40 | 3 57 | 6 55 | 0 28 | 23 29 | 4 56 | 25 30 | 2 6 | 14 34 | 1 25 | 11 14 | 2 13 | 16 21 | 0 24 | 0 50 | 1 20 | 22 17 | 4 27 | 18 43 | 19 0 | 21 48 | 15 6 | 6 38 |
| S 4 | 4 28 | 25 28 | 4 34 | 7 39 | 0 21 | 23 44 | 5 1 | 25 30 | 2 6 | 14 32 | 1 25 | 11 16 | 2 13 | 16 20 | 0 24 | 0 51 | 1 20 | 22 17 | 4 27 | 18 43 | 18 59 | 21 50 | 15 5 | 6 39 |
| M 5 | 4 51 | 22 58 | 4 59 | 8 22 | 0 14 | 24 0 | 5 7 | 25 30 | 2 5 | 14 31 | 1 25 | 11 19 | 2 13 | 16 20 | 0 24 | 0 51 | 1 20 | 22 17 | 4 27 | 18 42 | 18 58 | 21 52 | 15 4 | 6 39 |
| T 6 | 5 14 | 19 16 | 5 10 | 9 5 | 0 7 | 24 15 | 5 12 | 25 30 | 2 5 | 14 29 | 1 26 | 11 21 | 2 13 | 16 19 | 0 24 | 0 52 | 1 20 | 22 17 | 4 27 | 18 41 | 18 58 | 21 54 | 15 3 | 6 40 |
| W 7 | 5 37 | 14 29 | 5 5 | 9 47 | 0 0 | 24 29 | 5 16 | 25 29 | 2 4 | 14 27 | 1 26 | 11 23 | 2 13 | 16 19 | 0 24 | 0 52 | 1 20 | 22 17 | 4 27 | 18 39 | 18 57 | 21 56 | 15 2 | 6 41 |
| T 8 | 6 0 | 8 50 | 4 42 | 10 28 | 0s 7 | 24 42 | 5 21 | 25 29 | 2 4 | 14 25 | 1 26 | 11 26 | 2 13 | 16 18 | 0 24 | 0 53 | 1 20 | 22 17 | 4 28 | 18 38 | 18 56 | 21 58 | 15 1 | 6 41 |
| F 9 | 6 23 | 2 34 | 4 1 | 11 9 | 0 14 | 24 56 | 5 26 | 25 28 | 2 4 | 14 23 | 1 26 | 11 28 | 2 13 | 16 18 | 0 24 | 0 54 | 1 20 | 22 17 | 4 28 | 18 36 | 18 55 | 22 0 | 15 0 | 6 42 |
| S 10 | 6 45 | 3s58 | 3 3 | 11 49 | 0 21 | 25 8 | 5 30 | 25 26 | 2 3 | 14 21 | 1 26 | 11 30 | 2 13 | 16 17 | 0 24 | 0 54 | 1 20 | 22 16 | 4 28 | 18 35 | 18 55 | 22 2 | 14 59 | 6 43 |
| S 11 | 7 8 | 10 24 | 1 53 | 12 28 | 0 28 | 25 20 | 5 35 | 25 25 | 2 3 | 14 19 | 1 26 | 11 33 | 2 12 | 16 16 | 0 24 | 0 55 | 1 20 | 22 16 | 4 28 | 18 34 | 18 54 | 22 4 | 14 58 | 6 43 |
| M12 | 7 31 | 16 18 | 0 35 | 13 7 | 0 35 | 25 32 | 5 39 | 25 23 | 2 2 | 14 17 | 1 26 | 11 35 | 2 12 | 16 16 | 0 24 | 0 56 | 1 20 | 22 16 | 4 28 | 18 34 | 18 53 | 22 6 | 14 57 | 6 44 |
| T 13 | 7 53 | 21 13 | 0s46 | 13 45 | 0 42 | 25 43 | 5 43 | 25 21 | 2 1 | 14 15 | 1 26 | 11 37 | 2 12 | 16 15 | 0 24 | 0 56 | 1 20 | 22 16 | 4 28 | 18 34 | 18 52 | 22 8 | 14 56 | 6 45 |
| W14 | 8 15 | 24 45 | 2 3 | 14 22 | 0 49 | 25 53 | 5 46 | 25 19 | 2 1 | 14 12 | 1 26 | 11 40 | 2 12 | 16 15 | 0 24 | 0 57 | 1 20 | 22 16 | 4 29 | 18 34 | 18 52 | 22 10 | 14 55 | 6 45 |
| T 15 | 8 37 | 26 36 | 3 11 | 14 58 | 0 56 | 26 3 | 5 50 | 25 17 | 2 0 | 14 10 | 1 26 | 11 42 | 2 12 | 16 14 | 0 24 | 0 57 | 1 20 | 22 16 | 4 29 | 18 35 | 18 51 | 22 12 | 14 54 | 6 46 |
| F 16 | 8 59 | 26 40 | 4 6 | 15 34 | 1 3 | 26 12 | 5 53 | 25 14 | 2 0 | 14 8 | 1 26 | 11 44 | 2 12 | 16 13 | 0 24 | 0 58 | 1 20 | 22 16 | 4 29 | 18 35 | 18 50 | 22 14 | 14 53 | 6 47 |
| S 17 | 9 21 | 25 4 | 4 45 | 16 8 | 1 10 | 26 20 | 5 56 | 25 11 | 1 59 | 14 6 | 1 26 | 11 47 | 2 12 | 16 13 | 0 24 | 0 59 | 1 20 | 22 16 | 4 29 | 18 35 | 18 49 | 22 16 | 14 52 | 6 47 |
| S 18 | 9 43 | 22 3 | 5 8 | 16 42 | 1 16 | 26 28 | 5 59 | 25 8 | 1 59 | 14 3 | 1 26 | 11 49 | 2 12 | 16 12 | 0 24 | 0 59 | 1 20 | 22 16 | 4 29 | 18 35 | 18 48 | 22 18 | 14 51 | 6 48 |
| M19 | 10 5 | 17 55 | 5 14 | 17 15 | 1 23 | 26 35 | 6 2 | 25 5 | 1 58 | 14 1 | 1 26 | 11 52 | 2 12 | 16 11 | 0 24 | 1 0 | 1 20 | 22 16 | 4 30 | 18 34 | 18 48 | 22 20 | 14 51 | 6 48 |
| T 20 | 10 26 | 13 2 | 5 3 | 17 47 | 1 29 | 26 41 | 6 4 | 25 1 | 1 58 | 13 59 | 1 26 | 11 54 | 2 12 | 16 11 | 0 24 | 1 0 | 1 20 | 22 16 | 4 30 | 18 33 | 18 47 | 22 22 | 14 50 | 6 49 |
| W21 | 10 48 | 7 40 | 4 37 | 18 19 | 1 36 | 26 47 | 6 6 | 24 57 | 1 57 | 13 56 | 1 26 | 11 56 | 2 12 | 16 10 | 0 24 | 1 1 | 1 20 | 22 16 | 4 30 | 18 32 | 18 46 | 22 24 | 14 49 | 6 50 |
| T 22 | 11 9 | 2 5 | 3 58 | 18 49 | 1 42 | 26 52 | 6 8 | 24 53 | 1 56 | 13 54 | 1 26 | 11 59 | 2 12 | 16 9 | 0 24 | 1 1 | 1 20 | 22 17 | 4 30 | 18 31 | 18 45 | 22 26 | 14 48 | 6 50 |
| F 23 | 11 30 | 3n30 | 3 8 | 19 18 | 1 48 | 26 56 | 6 9 | 24 49 | 1 56 | 13 52 | 1 26 | 12 1 | 2 12 | 16 9 | 0 24 | 1 2 | 1 20 | 22 17 | 4 30 | 18 30 | 18 44 | 22 28 | 14 47 | 6 51 |
| S 24 | 11 51 | 8 54 | 2 11 | 19 47 | 1 54 | 26 59 | 6 10 | 24 44 | 1 55 | 13 49 | 1 26 | 12 3 | 2 12 | 16 8 | 0 24 | 1 2 | 1 20 | 22 17 | 4 31 | 18 30 | 18 44 | 22 30 | 14 47 | 6 52 |
| S 25 | 12 11 | 13 54 | 1 8 | 20 14 | 2 0 | 27 2 | 6 10 | 24 39 | 1 55 | 13 47 | 1 26 | 12 6 | 2 12 | 16 7 | 0 24 | 1 3 | 1 20 | 22 17 | 4 31 | 18 29 | 18 43 | 22 32 | 14 46 | 6 52 |
| M26 | 12 32 | 18 20 | 0 2 | 20 40 | 2 5 | 27 4 | 6 11 | 24 34 | 1 54 | 13 44 | 1 26 | 12 8 | 2 12 | 16 7 | 0 24 | 1 4 | 1 20 | 22 17 | 4 31 | 18 29 | 18 42 | 22 34 | 14 45 | 6 53 |
| T 27 | 12 52 | 22 1 | 1n 3 | 21 6 | 2 11 | 27 4 | 6 10 | 24 29 | 1 53 | 13 42 | 1 26 | 12 10 | 2 12 | 16 6 | 0 24 | 1 4 | 1 20 | 22 17 | 4 31 | 18 29 | 18 41 | 22 36 | 14 44 | 6 54 |
| W28 | 13 12 | 24 46 | 2 5 | 21 30 | 2 16 | 27 4 | 6 9 | 24 23 | 1 53 | 13 39 | 1 26 | 12 13 | 2 12 | 16 5 | 0 24 | 1 5 | 1 20 | 22 17 | 4 31 | 18 29 | 18 41 | 22 38 | 14 43 | 6 54 |
| T 29 | 13 32 | 26 26 | 3 2 | 21 53 | 2 21 | 27 3 | 6 8 | 24 17 | 1 52 | 13 37 | 1 26 | 12 15 | 2 12 | 16 5 | 0 24 | 1 5 | 1 20 | 22 17 | 4 31 | 18 30 | 18 40 | 22 40 | 14 43 | 6 55 |
| F 30 | 13 52 | 26 54 | 3 51 | 22 15 | 2 25 | 27 1 | 6 6 | 24 11 | 1 51 | 13 34 | 1 26 | 12 17 | 2 12 | 16 4 | 0 24 | 1 5 | 1 20 | 22 17 | 4 32 | 18 30 | 18 39 | 22 42 | 14 42 | 6 56 |
| S 31 | 14s11 | 26n 7 | 4n31 | 22s36 | 2s29 | 26s59 | 6s 4 | 24s 5 | 1s51 | 13n32 | 1s26 | 12s20 | 2n12 | 16n 3 | 0s24 | 1s 6 | 1s20 | 22n17 | 4n32 | 18n30 | 18n38 | 22n44 | 14n41 | 6s57 |

Julian Day Number = 2520849.5, Delta T = 153.31 sec
Ecliptic obliquity = 23°24'58, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°23'31, Lahiri = 26°30'31

# ASTRODIENST EPHEMERIS for the year 2189
# geocentric

## NOVEMBER 2189 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 43 15 | 9♏ 3'42 | 4♌ 0 | 1♐25 | 4°R23 | 18♑22 | 10°R10 | 8♏52 | 15°R22 | 0°R17 | 9♌16 | 23°R 1 | 23♉28 | 7♊29 | 22♋30 | S 1 |
| M 2 | 2 47 11 | 10° 3'39 | 16°32 | 2°39 | 4♐14 | 19° 6 | 10♑ 2 | 9° 0 | 15♉20 | 0♈16 | 9°16 | 23♉ 1 | 23°25 | 7°35 | 22°R30 | M 2 |
| T 3 | 2 51 8 | 11° 3'38 | 29°26 | 3°51 | 4° 4 | 19°50 | 9°54 | 9° 7 | 15°17 | 0°15 | 9°16 | 23° 0 | 23°22 | 7°42 | 22°30 | T 3 |
| W 4 | 2 55 4 | 12° 3'39 | 12♍45 | 5° 1 | 3°51 | 20°34 | 9°46 | 9°14 | 15°15 | 0°13 | 9°16 | 22°59 | 23°19 | 7°49 | 22°29 | W 4 |
| T 5 | 2 59 1 | 13° 3'42 | 26°32 | 6° 9 | 3°35 | 21°19 | 9°37 | 9°21 | 15°12 | 0°12 | 9°16 | 22°58 | 23°16 | 7°55 | 22°29 | T 5 |
| F 6 | 3 2 57 | 14° 3'47 | 10♎45 | 7°15 | 3°18 | 22° 3 | 9°29 | 9°29 | 15°10 | 0°11 | 9°16 | 22°57 | 23°12 | 8° 2 | 22°29 | F 6 |
| S 7 | 3 6 54 | 15° 3'55 | 25°23 | 8°18 | 2°58 | 22°47 | 9°21 | 9°36 | 15° 7 | 0°10 | 9°16 | 22°56 | 23° 9 | 8° 8 | 22°28 | S 7 |
| S 8 | 3 10 50 | 16° 4'04 | 10♏19 | 9°18 | 2°36 | 23°31 | 9°13 | 9°43 | 15° 5 | 0° 9 | 9°16 | 22°55 | 23° 6 | 8°15 | 22°28 | S 8 |
| M 9 | 3 14 47 | 17° 4'15 | 25°25 | 10°15 | 2°11 | 24°16 | 9° 5 | 9°50 | 15° 2 | 0° 8 | 9°R17 | 22°D55 | 23° 3 | 8°22 | 22°27 | M 9 |
| T 10 | 3 18 44 | 18° 4'28 | 10♐33 | 11° 9 | 1°45 | 25° 0 | 8°57 | 9°57 | 15° 0 | 0° 7 | 9°17 | 22°55 | 23° 0 | 8°28 | 22°27 | T 10 |
| W11 | 3 22 40 | 19° 4'43 | 25°33 | 11°59 | 1°17 | 25°45 | 8°49 | 10° 5 | 14°57 | 0° 6 | 9°16 | 22°56 | 22°57 | 8°35 | 22°26 | W11 |
| T 12 | 3 26 37 | 20° 4'59 | 10♑17 | 12°44 | 0°47 | 26°30 | 8°41 | 10°12 | 14°55 | 0° 5 | 9°16 | 22°56 | 22°53 | 8°42 | 22°25 | T 12 |
| F 13 | 3 30 33 | 21° 5'17 | 24°41 | 13°24 | 0°15 | 27°14 | 8°34 | 10°19 | 14°53 | 0° 4 | 9°16 | 22°56 | 22°50 | 8°48 | 22°24 | F 13 |
| S 14 | 3 34 30 | 22° 5'36 | 8♒41 | 13°59 | 29♏42 | 27°59 | 8°26 | 10°26 | 14°50 | 0° 3 | 9°16 | 22°56 | 22°47 | 8°55 | 22°23 | S 14 |
| S 15 | 3 38 26 | 23° 5'56 | 22°17 | 14°27 | 29° 8 | 28°44 | 8°18 | 10°33 | 14°48 | 0° 3 | 9°16 | 22°56 | 22°44 | 9° 2 | 22°22 | S 15 |
| M16 | 3 42 23 | 24° 6'18 | 5♓30 | 14°48 | 28°33 | 29°29 | 8°11 | 10°40 | 14°45 | 0° 2 | 9°16 | 22°57 | 22°41 | 9° 8 | 22°20 | M16 |
| T 17 | 3 46 19 | 25° 6'41 | 18°22 | 15° 2 | 27°57 | 0♒14 | 8° 3 | 10°47 | 14°43 | 0° 1 | 9°16 | 22°57 | 22°37 | 9°15 | 22°19 | T 17 |
| W18 | 3 50 16 | 26° 7'06 | 0♈57 | 15°R 7 | 27°21 | 0°59 | 7°56 | 10°55 | 14°40 | 0° 0 | 9°16 | 22°57 | 22°34 | 9°22 | 22°18 | W18 |
| T 19 | 3 54 13 | 27° 7'32 | 13°17 | 15° 3 | 26°45 | 1°44 | 7°49 | 11° 2 | 14°38 | 29♓59 | 9°15 | 22°57 | 22°31 | 9°28 | 22°16 | T 19 |
| F 20 | 3 58 9 | 28° 7'59 | 25°25 | 14°50 | 26° 8 | 2°29 | 7°41 | 11° 9 | 14°36 | 29°59 | 9°15 | 22°58 | 22°28 | 9°35 | 22°15 | F 20 |
| S 21 | 4 2 6 | 29° 8'27 | 7♉25 | 14°26 | 25°32 | 3°14 | 7°34 | 11°16 | 14°33 | 29°58 | 9°15 | 22°58 | 22°25 | 9°42 | 22°13 | S 21 |
| S 22 | 4 6 2 | 0♐ 8'58 | 19°19 | 13°52 | 24°56 | 3°59 | 7°27 | 11°23 | 14°31 | 29°57 | 9°14 | 22°R59 | 22°22 | 9°48 | 22°11 | S 22 |
| M23 | 4 9 59 | 1° 9'29 | 1♊ 9 | 13° 7 | 24°21 | 4°45 | 7°21 | 11°30 | 14°28 | 29°57 | 9°14 | 22°59 | 22°18 | 9°55 | 22° 9 | M23 |
| T 24 | 4 13 55 | 2°10'02 | 12°57 | 12°12 | 23°47 | 5°30 | 7°14 | 11°37 | 14°26 | 29°56 | 9°14 | 22°58 | 22°15 | 10° 2 | 22° 7 | T 24 |
| W25 | 4 17 52 | 3°10'37 | 24°45 | 11° 8 | 23°14 | 6°15 | 7° 7 | 11°43 | 14°24 | 29°56 | 9°13 | 22°57 | 22°12 | 10° 8 | 22° 5 | W25 |
| T 26 | 4 21 48 | 4°11'13 | 6♋37 | 9°56 | 22°43 | 7° 1 | 7° 1 | 11°50 | 14°22 | 29°55 | 9°13 | 22°55 | 22° 9 | 10°15 | 22° 3 | T 26 |
| F 27 | 4 25 45 | 5°11'51 | 18°33 | 8°39 | 22°14 | 7°46 | 6°55 | 11°57 | 14°19 | 29°55 | 9°12 | 22°54 | 22° 6 | 10°22 | 22° 1 | F 27 |
| S 28 | 4 29 42 | 6°12'30 | 0♌37 | 7°17 | 21°46 | 8°31 | 6°49 | 12° 4 | 14°17 | 29°54 | 9°12 | 22°52 | 22° 3 | 10°28 | 21°59 | S 28 |
| S 29 | 4 33 38 | 7°13'11 | 12°52 | 5°55 | 21°20 | 9°17 | 6°43 | 12°11 | 14°15 | 29°54 | 9°11 | 22°50 | 21°59 | 10°35 | 21°57 | S 29 |
| M30 | 4 37 35 | 8♐13'54 | 25♌23 | 4♐35 | 20♏56 | 10♒ 2 | 6♉37 | 12♏18 | 14♉13 | 29♓54 | 9♌11 | 22♉49 | 21♉56 | 10♊41 | 21♋54 | M30 |

| 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 | 14s30 | 24n 5 | 5n 0 | 22s55 | 2s33 | 26s55 | 6s 1 | 23s58 | 1s50 | 13n30 | 1s26 | 12s22 | 2n11 | 16n 2 | 0s24 | 1s 6 | 1s20 | 22n17 | 4n32 | 18n31 | 18n37 | 22n46 | 14n41 | 6s57 |
| M 2 | 14 49 | 20 52 | 5 15 | 23 14 | 2 37 | 26 50 | 5 58 | 23 52 | 1 49 | 13 27 | 1 26 | 12 24 | 2 11 | 16 2 | 0 24 | 1 7 | 1 20 | 22 18 | 4 32 | 18 31 | 18 37 | 22 48 | 14 40 | 6 58 |
| T 3 | 15 8 | 16 34 | 5 15 | 23 31 | 2 40 | 26 44 | 5 54 | 23 45 | 1 49 | 13 25 | 1 26 | 12 27 | 2 11 | 16 1 | 0 24 | 1 7 | 1 20 | 22 18 | 4 32 | 18 30 | 18 36 | 22 50 | 14 39 | 6 58 |
| W 4 | 15 26 | 11 22 | 4 59 | 23 47 | 2 43 | 26 36 | 5 49 | 23 37 | 1 48 | 13 22 | 1 26 | 12 29 | 2 11 | 16 0 | 0 24 | 1 8 | 1 20 | 22 18 | 4 33 | 18 30 | 18 35 | 22 52 | 14 39 | 6 59 |
| T 5 | 15 45 | 5 25 | 4 25 | 24 1 | 2 45 | 26 28 | 5 44 | 23 30 | 1 47 | 13 20 | 1 26 | 12 31 | 2 11 | 16 0 | 0 24 | 1 8 | 1 20 | 22 18 | 4 33 | 18 30 | 18 34 | 22 54 | 14 38 | 7 0 |
| F 6 | 16 3 | 0s59 | 3 33 | 24 14 | 2 46 | 26 19 | 5 38 | 23 22 | 1 47 | 13 17 | 1 26 | 12 33 | 2 11 | 15 59 | 0 24 | 1 9 | 1 20 | 22 18 | 4 33 | 18 29 | 18 33 | 22 56 | 14 38 | 7 0 |
| S 7 | 16 20 | 7 31 | 2 27 | 24 26 | 2 48 | 26 8 | 5 31 | 23 14 | 1 46 | 13 15 | 1 25 | 12 36 | 2 11 | 15 58 | 0 24 | 1 9 | 1 20 | 22 18 | 4 33 | 18 29 | 18 33 | 22 58 | 14 37 | 7 1 |
| S 8 | 16 38 | 13 48 | 1 10 | 24 36 | 2 48 | 25 56 | 5 23 | 23 6 | 1 45 | 13 12 | 1 25 | 12 38 | 2 11 | 15 57 | 0 24 | 1 9 | 1 20 | 22 18 | 4 33 | 18 29 | 18 32 | 23 0 | 14 36 | 7 2 |
| M 9 | 16 55 | 19 19 | 0s14 | 24 44 | 2 48 | 25 44 | 5 15 | 22 57 | 1 44 | 13 10 | 1 25 | 12 40 | 2 11 | 15 57 | 0 24 | 1 10 | 1 20 | 22 19 | 4 34 | 18 29 | 18 31 | 23 1 | 14 36 | 7 2 |
| T 10 | 17 12 | 23 36 | 1 36 | 24 51 | 2 47 | 25 30 | 5 7 | 22 49 | 1 44 | 13 7 | 1 25 | 12 42 | 2 11 | 15 56 | 0 24 | 1 10 | 1 20 | 22 19 | 4 34 | 18 29 | 18 30 | 23 3 | 14 35 | 7 3 |
| W11 | 17 28 | 26 12 | 2 52 | 24 56 | 2 46 | 25 14 | 4 57 | 22 40 | 1 43 | 13 5 | 1 25 | 12 45 | 2 12 | 15 55 | 0 24 | 1 10 | 1 19 | 22 19 | 4 34 | 18 29 | 18 29 | 23 5 | 14 35 | 7 4 |
| T 12 | 17 45 | 26 54 | 3 54 | 25 0 | 2 43 | 24 58 | 4 47 | 22 30 | 1 42 | 13 3 | 1 25 | 12 47 | 2 12 | 15 55 | 0 24 | 1 11 | 1 19 | 22 19 | 4 34 | 18 29 | 18 29 | 23 7 | 14 34 | 7 4 |
| F 13 | 18 1 | 25 46 | 4 40 | 25 2 | 2 40 | 24 41 | 4 36 | 22 21 | 1 41 | 13 0 | 1 25 | 12 49 | 2 12 | 15 54 | 0 24 | 1 11 | 1 19 | 22 19 | 4 34 | 18 29 | 18 28 | 23 9 | 14 34 | 7 5 |
| S 14 | 18 16 | 23 1 | 5 8 | 25 1 | 2 35 | 24 22 | 4 25 | 22 11 | 1 41 | 12 58 | 1 24 | 12 51 | 2 12 | 15 53 | 0 24 | 1 11 | 1 19 | 22 20 | 4 35 | 18 29 | 18 27 | 23 11 | 14 33 | 7 6 |
| S 15 | 18 32 | 19 4 | 5 18 | 24 59 | 2 30 | 24 3 | 4 12 | 22 1 | 1 40 | 12 56 | 1 24 | 12 53 | 2 12 | 15 52 | 0 24 | 1 12 | 1 19 | 22 20 | 4 35 | 18 29 | 18 26 | 23 13 | 14 33 | 7 6 |
| M16 | 18 47 | 14 17 | 5 10 | 24 55 | 2 23 | 23 43 | 4 0 | 21 51 | 1 39 | 12 53 | 1 24 | 12 56 | 2 12 | 15 52 | 0 24 | 1 12 | 1 19 | 22 20 | 4 35 | 18 29 | 18 25 | 23 15 | 14 32 | 7 7 |
| T 17 | 19 1 | 9 0 | 4 47 | 24 48 | 2 15 | 23 22 | 3 47 | 21 41 | 1 38 | 12 51 | 1 24 | 12 58 | 2 12 | 15 51 | 0 24 | 1 12 | 1 19 | 22 20 | 4 35 | 18 29 | 18 25 | 23 16 | 14 32 | 7 8 |
| W18 | 19 16 | 3 28 | 4 11 | 24 40 | 2 5 | 23 0 | 3 33 | 21 30 | 1 38 | 12 49 | 1 24 | 13 0 | 2 12 | 15 50 | 0 24 | 1 13 | 1 19 | 22 21 | 4 35 | 18 30 | 18 24 | 23 18 | 14 32 | 7 8 |
| T 19 | 19 30 | 2n 7 | 3 23 | 24 28 | 1 54 | 22 38 | 3 19 | 21 20 | 1 37 | 12 47 | 1 24 | 13 2 | 2 12 | 15 50 | 0 24 | 1 13 | 1 19 | 22 21 | 4 36 | 18 30 | 18 23 | 23 20 | 14 31 | 7 9 |
| F 20 | 19 44 | 7 32 | 2 27 | 24 14 | 1 42 | 22 15 | 3 4 | 21 9 | 1 36 | 12 45 | 1 23 | 13 4 | 2 12 | 15 49 | 0 24 | 1 13 | 1 19 | 22 21 | 4 36 | 18 30 | 18 22 | 23 22 | 14 31 | 7 9 |
| S 21 | 19 57 | 12 38 | 1 25 | 23 57 | 1 27 | 21 52 | 2 49 | 20 57 | 1 35 | 12 43 | 1 23 | 13 6 | 2 12 | 15 48 | 0 24 | 1 13 | 1 19 | 22 21 | 4 36 | 18 30 | 18 21 | 23 24 | 14 31 | 7 10 |
| S 22 | 20 10 | 17 13 | 0 20 | 23 38 | 1 12 | 21 28 | 2 34 | 20 46 | 1 34 | 12 41 | 1 23 | 13 8 | 2 12 | 15 48 | 0 24 | 1 14 | 1 19 | 22 22 | 4 36 | 18 30 | 18 21 | 23 26 | 14 30 | 7 11 |
| M23 | 20 22 | 21 6 | 0n45 | 23 15 | 0 55 | 21 5 | 2 19 | 20 34 | 1 34 | 12 39 | 1 23 | 13 10 | 2 12 | 15 47 | 0 24 | 1 14 | 1 19 | 22 22 | 4 36 | 18 30 | 18 20 | 23 28 | 14 30 | 7 11 |
| T 24 | 20 34 | 24 8 | 1 49 | 22 50 | 0 36 | 20 41 | 2 3 | 20 23 | 1 33 | 12 37 | 1 23 | 13 12 | 2 12 | 15 46 | 0 24 | 1 14 | 1 19 | 22 22 | 4 36 | 18 30 | 18 19 | 23 29 | 14 30 | 7 12 |
| W25 | 20 46 | 26 6 | 2 47 | 22 22 | 0 17 | 20 18 | 1 48 | 20 11 | 1 32 | 12 35 | 1 22 | 13 14 | 2 12 | 15 46 | 0 24 | 1 14 | 1 19 | 22 22 | 4 37 | 18 29 | 18 18 | 23 31 | 14 29 | 7 12 |
| T 26 | 20 58 | 26 54 | 3 39 | 21 52 | 0n 3 | 19 55 | 1 32 | 19 58 | 1 31 | 12 33 | 1 22 | 13 17 | 2 12 | 15 45 | 0 24 | 1 14 | 1 19 | 22 23 | 4 37 | 18 29 | 18 17 | 23 33 | 14 29 | 7 13 |
| F 27 | 21 9 | 26 27 | 4 22 | 21 20 | 0 24 | 19 32 | 1 17 | 19 46 | 1 30 | 12 31 | 1 22 | 13 19 | 2 12 | 15 44 | 0 24 | 1 15 | 1 19 | 22 23 | 4 37 | 18 29 | 18 16 | 23 35 | 14 29 | 7 13 |
| S 28 | 21 19 | 24 46 | 4 53 | 20 47 | 0 44 | 19 10 | 1 1 | 19 33 | 1 30 | 12 29 | 1 22 | 13 21 | 2 12 | 15 44 | 0 24 | 1 15 | 1 19 | 22 23 | 4 37 | 18 28 | 18 16 | 23 37 | 14 29 | 7 14 |
| S 29 | 21 30 | 21 55 | 5 12 | 20 13 | 1 4 | 18 49 | 0 46 | 19 20 | 1 29 | 12 28 | 1 21 | 13 23 | 2 12 | 15 43 | 0 24 | 1 15 | 1 19 | 22 24 | 4 37 | 18 28 | 18 15 | 23 38 | 14 29 | 7 15 |
| M30 | 21s39 | 18n 0 | 5n16 | 19s41 | 1n23 | 18s28 | 0s31 | 19s 7 | 1s28 | 12n26 | 1s21 | 13s25 | 2n12 | 15n42 | 0s24 | 1s15 | 1s19 | 22n24 | 4n38 | 18n27 | 18n14 | 23n40 | 14n28 | 7s15 |

Julian Day Number = 2520880.5, Delta T = 153.39 sec
Ecliptic obliquity = 23°24'58, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°23'35, Lahiri = 26°30'36

# ASTRODIENST EPHEMERIS for the year 2189
# geocentric

## DECEMBER 2189 — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 41 31 | 9♐14'38 | 8♍11 | 3°R19 | 20°R35 | 10♒48 | 6°R31 | 12♏24 | 14°R10 | 29°R53 | 9°R10 | 22°D48 | 21♉53 | 10♊48 | 21°R52 | T 1 |
| W 2 | 4 45 28 | 10°15'23 | 21°21 | 2♐10 | 20♏15 | 11°33 | 6♉25 | 12°31 | 14♉ 8 | 29♓53 | 9♌10 | 22♉49 | 21°50 | 10°55 | 21♋49 | W 2 |
| T 3 | 4 49 24 | 11°16'10 | 4♎56 | 1°10 | 19°59 | 12°19 | 6°20 | 12°38 | 14° 6 | 29°53 | 9° 9 | 22°50 | 21°47 | 11° 1 | 21°46 | T 3 |
| F 4 | 4 53 21 | 12°16'59 | 18°58 | 0°20 | 19°44 | 13° 5 | 6°15 | 12°44 | 14° 4 | 29°52 | 9° 9 | 22°51 | 21°43 | 11° 8 | 21°44 | F 4 |
| S 5 | 4 57 18 | 13°17'49 | 3♏25 | 29♏42 | 19°32 | 13°50 | 6°10 | 12°51 | 14° 2 | 29°52 | 9° 8 | 22°52 | 21°40 | 11°15 | 21°41 | S 5 |
| S 6 | 5 1 14 | 14°18'40 | 18°14 | 29°14 | 19°23 | 14°36 | 6° 5 | 12°57 | 14° 0 | 29°52 | 9° 7 | 22°R53 | 21°37 | 11°21 | 21°38 | S 6 |
| M 7 | 5 5 11 | 15°19'33 | 3♐21 | 28°59 | 19°16 | 15°22 | 6° 0 | 13° 4 | 13°58 | 29°52 | 9° 7 | 22°53 | 21°34 | 11°28 | 21°35 | M 7 |
| T 8 | 5 9 7 | 16°20'27 | 18°35 | 28°D54 | 19°11 | 16° 8 | 5°56 | 13°10 | 13°56 | 29°52 | 9° 6 | 22°51 | 21°31 | 11°35 | 21°32 | T 8 |
| W 9 | 5 13 4 | 17°21'22 | 3♑48 | 29° 0 | 19°D 9 | 16°54 | 5°51 | 13°17 | 13°54 | 29°52 | 9° 5 | 22°49 | 21°28 | 11°41 | 21°29 | W 9 |
| T 10 | 5 17 0 | 18°22'18 | 18°49 | 29°15 | 19°10 | 17°39 | 5°47 | 13°23 | 13°52 | 29°52 | 9° 4 | 22°45 | 21°24 | 11°48 | 21°26 | T 10 |
| F 11 | 5 20 57 | 19°23'15 | 3♒30 | 29°40 | 19°12 | 18°25 | 5°43 | 13°30 | 13°50 | 29°D52 | 9° 4 | 22°41 | 21°21 | 11°55 | 21°23 | F 11 |
| S 12 | 5 24 53 | 20°24'12 | 17°45 | 0♐12 | 19°18 | 19°11 | 5°40 | 13°36 | 13°48 | 29°52 | 9° 3 | 22°38 | 21°18 | 12° 1 | 21°20 | S 12 |
| S 13 | 5 28 50 | 21°25'10 | 1♓31 | 0°52 | 19°25 | 19°57 | 5°36 | 13°42 | 13°46 | 29°52 | 9° 2 | 22°35 | 21°15 | 12° 8 | 21°16 | S 13 |
| M14 | 5 32 47 | 22°26'09 | 14°49 | 1°37 | 19°35 | 20°43 | 5°33 | 13°48 | 13°45 | 29°52 | 9° 1 | 22°33 | 21°12 | 12°15 | 21°13 | M14 |
| T 15 | 5 36 43 | 23°27'08 | 27°41 | 2°29 | 19°47 | 21°29 | 5°30 | 13°55 | 13°43 | 29°52 | 9° 0 | 22°D33 | 21° 9 | 12°21 | 21°10 | T 15 |
| W16 | 5 40 40 | 24°28'07 | 10♈12 | 3°25 | 20° 1 | 22°15 | 5°27 | 14° 1 | 13°41 | 29°52 | 8°59 | 22°34 | 21° 5 | 12°28 | 21° 6 | W16 |
| T 17 | 5 44 36 | 25°29'07 | 22°25 | 4°25 | 20°17 | 23° 1 | 5°24 | 14° 7 | 13°39 | 29°52 | 8°58 | 22°36 | 21° 2 | 12°35 | 21° 3 | T 17 |
| F 18 | 5 48 33 | 26°30'08 | 4♉26 | 5°30 | 20°35 | 23°47 | 5°21 | 14°13 | 13°38 | 29°52 | 8°57 | 22°38 | 20°59 | 12°41 | 20°59 | F 18 |
| S 19 | 5 52 29 | 27°31'09 | 16°18 | 6°37 | 20°55 | 24°33 | 5°19 | 14°19 | 13°36 | 29°53 | 8°57 | 22°39 | 20°56 | 12°48 | 20°55 | S 19 |
| S 20 | 5 56 26 | 28°32'11 | 28° 6 | 7°48 | 21°18 | 25°19 | 5°17 | 14°24 | 13°35 | 29°53 | 8°56 | 22°R39 | 20°53 | 12°55 | 20°52 | S 20 |
| M21 | 6 0 22 | 29°33'13 | 9♊54 | 9° 1 | 21°42 | 26° 5 | 5°15 | 14°30 | 13°33 | 29°53 | 8°55 | 22°37 | 20°49 | 13° 1 | 20°48 | M21 |
| T 22 | 6 4 19 | 0♑34'16 | 21°43 | 10°16 | 22° 7 | 26°51 | 5°13 | 14°36 | 13°32 | 29°54 | 8°54 | 22°34 | 20°46 | 13° 8 | 20°44 | T 22 |
| W23 | 6 8 16 | 1°35'20 | 3♋36 | 11°33 | 22°35 | 27°37 | 5°12 | 14°42 | 13°30 | 29°54 | 8°53 | 22°28 | 20°43 | 13°15 | 20°40 | W23 |
| T 24 | 6 12 12 | 2°36'24 | 15°34 | 12°52 | 23° 4 | 28°23 | 5°10 | 14°47 | 13°29 | 29°55 | 8°52 | 22°21 | 20°40 | 13°21 | 20°37 | T 24 |
| F 25 | 6 16 9 | 3°37'28 | 27°40 | 14°12 | 23°35 | 29° 9 | 5° 9 | 14°53 | 13°28 | 29°55 | 8°50 | 22°13 | 20°37 | 13°28 | 20°33 | F 25 |
| S 26 | 6 20 5 | 4°38'33 | 9♌55 | 15°34 | 24° 7 | 29°55 | 5° 8 | 14°59 | 13°26 | 29°56 | 8°49 | 22° 5 | 20°34 | 13°35 | 20°29 | S 26 |
| S 27 | 6 24 2 | 5°39'39 | 22°19 | 16°56 | 24°41 | 0♓41 | 5° 8 | 15° 4 | 13°25 | 29°56 | 8°48 | 21°57 | 20°30 | 13°41 | 20°25 | S 27 |
| M28 | 6 27 58 | 6°40'45 | 4♍55 | 18°20 | 25°16 | 1°27 | 5° 7 | 15° 9 | 13°24 | 29°57 | 8°47 | 21°51 | 20°27 | 13°48 | 20°21 | M28 |
| T 29 | 6 31 55 | 7°41'52 | 17°46 | 19°45 | 25°53 | 2°13 | 5° 7 | 15°15 | 13°23 | 29°57 | 8°46 | 21°47 | 20°24 | 13°54 | 20°17 | T 29 |
| W30 | 6 35 51 | 8°42'59 | 0♎52 | 21°10 | 26°31 | 2°59 | 5°D 7 | 15°20 | 13°21 | 29°58 | 8°45 | 21°45 | 20°21 | 14° 1 | 20°13 | W30 |
| T 31 | 6 39 48 | 9♑44'07 | 14♎18 | 22♐36 | 27♏10 | 3♓45 | 5♉ 7 | 15♏25 | 13♉20 | 29♓59 | 8♌44 | 21°D45 | 20♉18 | 14♊ 8 | 20♋ 9 | 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 | 21s49 | 13n12 | 5n 5 | 19s10 | 1n40 | 18s 8 | 0s16 | 18s54 | 1s27 | 12n24 | 1s21 | 13s26 | 2n12 | 15n42 | 0s24 | 1s15 | 1s19 | 22n24 | 4n38 | 18n27 | 18n13 | 23n42 | 14n28 | 7s16 |
| W 2 | 21 58 | 7 41 | 4 38 | 18 42 | 1 55 | 17 49 | 0 2 | 18 41 | 1 26 | 12 23 | 1 21 | 13 28 | 2 13 | 15 41 | 0 24 | 1 15 | 1 19 | 22 25 | 4 38 | 18 27 | 18 12 | 23 44 | 14 28 | 7 16 |
| T 3 | 22 6 | 1 38 | 3 55 | 18 17 | 2 8 | 17 31 | 0n12 | 18 27 | 1 25 | 12 21 | 1 21 | 13 30 | 2 13 | 15 40 | 0 24 | 1 15 | 1 19 | 22 25 | 4 38 | 18 28 | 18 12 | 23 45 | 14 28 | 7 17 |
| F 4 | 22 15 | 4s42 | 2 57 | 17 56 | 2 19 | 17 14 | 0 26 | 18 13 | 1 25 | 12 20 | 1 20 | 13 32 | 2 13 | 15 40 | 0 24 | 1 15 | 1 19 | 22 25 | 4 38 | 18 28 | 18 11 | 23 47 | 14 28 | 7 17 |
| S 5 | 22 22 | 10 59 | 1 46 | 17 40 | 2 28 | 16 58 | 0 39 | 17 59 | 1 24 | 12 18 | 1 20 | 13 34 | 2 13 | 15 39 | 0 24 | 1 15 | 1 19 | 22 26 | 4 38 | 18 28 | 18 10 | 23 49 | 14 28 | 7 18 |
| S 6 | 22 30 | 16 50 | 0 26 | 17 28 | 2 34 | 16 43 | 0 52 | 17 45 | 1 23 | 12 17 | 1 20 | 13 36 | 2 13 | 15 39 | 0 24 | 1 15 | 1 19 | 22 26 | 4 39 | 18 29 | 18 9 | 23 51 | 14 28 | 7 18 |
| M 7 | 22 37 | 21 45 | 0s57 | 17 20 | 2 39 | 16 29 | 1 5 | 17 31 | 1 22 | 12 16 | 1 19 | 13 38 | 2 13 | 15 38 | 0 24 | 1 15 | 1 19 | 22 26 | 4 39 | 18 28 | 18 8 | 23 52 | 14 28 | 7 19 |
| T 8 | 22 43 | 25 12 | 2 17 | 17 16 | 2 41 | 16 16 | 1 17 | 17 17 | 1 21 | 12 14 | 1 19 | 13 40 | 2 13 | 15 38 | 0 24 | 1 15 | 1 19 | 22 27 | 4 39 | 18 28 | 18 7 | 23 54 | 14 28 | 7 19 |
| W 9 | 22 49 | 26 48 | 3 27 | 17 16 | 2 42 | 16 5 | 1 28 | 17 2 | 1 20 | 12 13 | 1 19 | 13 42 | 2 13 | 15 37 | 0 24 | 1 15 | 1 19 | 22 27 | 4 39 | 18 27 | 18 7 | 23 56 | 14 28 | 7 20 |
| T 10 | 22 54 | 26 24 | 4 21 | 17 20 | 2 42 | 15 54 | 1 39 | 16 47 | 1 19 | 12 12 | 1 19 | 13 43 | 2 13 | 15 36 | 0 24 | 1 15 | 1 19 | 22 27 | 4 39 | 18 27 | 18 6 | 23 58 | 14 28 | 7 20 |
| F 11 | 23 0 | 24 10 | 4 57 | 17 27 | 2 40 | 15 45 | 1 50 | 16 32 | 1 18 | 12 11 | 1 18 | 13 45 | 2 13 | 15 36 | 0 24 | 1 15 | 1 18 | 22 28 | 4 39 | 18 26 | 18 5 | 23 59 | 14 28 | 7 20 |
| S 12 | 23 4 | 20 27 | 5 13 | 17 37 | 2 37 | 15 36 | 2 0 | 16 17 | 1 18 | 12 10 | 1 18 | 13 47 | 2 13 | 15 35 | 0 24 | 1 15 | 1 18 | 22 28 | 4 40 | 18 25 | 18 4 | 24 1 | 14 28 | 7 21 |
| S 13 | 23 8 | 15 45 | 5 10 | 17 48 | 2 33 | 15 29 | 2 10 | 16 2 | 1 17 | 12 9 | 1 18 | 13 49 | 2 14 | 15 35 | 0 24 | 1 15 | 1 18 | 22 29 | 4 40 | 18 24 | 18 3 | 24 3 | 14 28 | 7 21 |
| M14 | 23 12 | 10 26 | 4 51 | 18 2 | 2 29 | 15 22 | 2 19 | 15 46 | 1 16 | 12 8 | 1 17 | 13 50 | 2 14 | 15 34 | 0 24 | 1 15 | 1 18 | 22 29 | 4 40 | 18 24 | 18 2 | 24 5 | 14 28 | 7 22 |
| T 15 | 23 15 | 4 51 | 4 17 | 18 17 | 2 23 | 15 17 | 2 28 | 15 31 | 1 15 | 12 8 | 1 17 | 13 52 | 2 14 | 15 34 | 0 24 | 1 15 | 1 18 | 22 29 | 4 40 | 18 23 | 18 2 | 24 6 | 14 28 | 7 22 |
| W16 | 23 18 | 0n47 | 3 32 | 18 34 | 2 18 | 15 13 | 2 37 | 15 15 | 1 14 | 12 7 | 1 17 | 13 54 | 2 14 | 15 33 | 0 24 | 1 15 | 1 18 | 22 30 | 4 40 | 18 24 | 18 1 | 24 8 | 14 28 | 7 23 |
| T 17 | 23 20 | 6 16 | 2 38 | 18 51 | 2 11 | 15 9 | 2 44 | 14 59 | 1 13 | 12 6 | 1 17 | 13 55 | 2 14 | 15 33 | 0 24 | 1 15 | 1 18 | 22 30 | 4 40 | 18 24 | 18 0 | 24 10 | 14 28 | 7 23 |
| F 18 | 23 22 | 11 27 | 1 38 | 19 10 | 2 4 | 15 7 | 2 52 | 14 43 | 1 12 | 12 6 | 1 16 | 13 57 | 2 14 | 15 32 | 0 24 | 1 15 | 1 18 | 22 30 | 4 41 | 18 25 | 17 59 | 24 11 | 14 29 | 7 23 |
| S 19 | 23 24 | 16 9 | 0 35 | 19 28 | 1 57 | 15 5 | 2 59 | 14 27 | 1 11 | 12 5 | 1 16 | 13 59 | 2 14 | 15 32 | 0 24 | 1 15 | 1 18 | 22 31 | 4 41 | 18 25 | 17 58 | 24 13 | 14 29 | 7 24 |
| S 20 | 23 24 | 20 12 | 0n30 | 19 47 | 1 50 | 15 5 | 3 6 | 14 11 | 1 11 | 12 5 | 1 16 | 14 0 | 2 14 | 15 31 | 0 24 | 1 14 | 1 18 | 22 31 | 4 41 | 18 25 | 17 57 | 24 15 | 14 29 | 7 24 |
| M21 | 23 25 | 23 26 | 1 33 | 20 6 | 1 42 | 15 5 | 3 12 | 13 54 | 1 10 | 12 4 | 1 15 | 14 2 | 2 15 | 15 31 | 0 24 | 1 14 | 1 18 | 22 32 | 4 41 | 18 25 | 17 57 | 24 16 | 14 29 | 7 24 |
| T 22 | 23 25 | 25 41 | 2 32 | 20 25 | 1 34 | 15 6 | 3 18 | 13 38 | 1 9 | 12 4 | 1 15 | 14 3 | 2 15 | 15 31 | 0 24 | 1 14 | 1 18 | 22 32 | 4 41 | 18 24 | 17 56 | 24 18 | 14 29 | 7 25 |
| W23 | 23 24 | 26 46 | 3 24 | 20 43 | 1 27 | 15 7 | 3 23 | 13 21 | 1 8 | 12 4 | 1 15 | 14 5 | 2 15 | 15 30 | 0 24 | 1 14 | 1 18 | 22 33 | 4 41 | 18 22 | 17 55 | 24 20 | 14 30 | 7 25 |
| T 24 | 23 23 | 26 37 | 4 8 | 21 1 | 1 19 | 15 10 | 3 28 | 13 4 | 1 7 | 12 4 | 1 15 | 14 6 | 2 15 | 15 30 | 0 23 | 1 14 | 1 18 | 22 33 | 4 42 | 18 20 | 17 54 | 24 21 | 14 30 | 7 25 |
| F 25 | 23 22 | 25 12 | 4 41 | 21 19 | 1 11 | 15 13 | 3 33 | 12 47 | 1 6 | 12 4 | 1 14 | 14 8 | 2 15 | 15 29 | 0 23 | 1 13 | 1 18 | 22 33 | 4 42 | 18 18 | 17 53 | 24 23 | 14 30 | 7 25 |
| S 26 | 23 20 | 22 35 | 5 2 | 21 36 | 1 3 | 15 16 | 3 37 | 12 30 | 1 5 | 12 4 | 1 14 | 14 9 | 2 15 | 15 29 | 0 23 | 1 13 | 1 18 | 22 34 | 4 42 | 18 16 | 17 52 | 24 25 | 14 31 | 7 26 |
| S 27 | 23 18 | 18 55 | 5 9 | 21 52 | 0 55 | 15 20 | 3 41 | 12 13 | 1 4 | 12 4 | 1 14 | 14 11 | 2 15 | 15 29 | 0 23 | 1 13 | 1 18 | 22 34 | 4 42 | 18 14 | 17 52 | 24 26 | 14 31 | 7 26 |
| M28 | 23 15 | 14 22 | 5 1 | 22 8 | 0 47 | 15 25 | 3 45 | 11 56 | 1 3 | 12 4 | 1 13 | 14 12 | 2 16 | 15 28 | 0 23 | 1 13 | 1 18 | 22 35 | 4 42 | 18 13 | 17 51 | 24 28 | 14 31 | 7 26 |
| T 29 | 23 12 | 9 6 | 4 38 | 22 23 | 0 39 | 15 30 | 3 48 | 11 39 | 1 2 | 12 4 | 1 13 | 14 14 | 2 16 | 15 28 | 0 23 | 1 12 | 1 18 | 22 35 | 4 42 | 18 12 | 17 50 | 24 29 | 14 32 | 7 26 |
| W30 | 23 8 | 3 19 | 4 0 | 22 37 | 0 31 | 15 36 | 3 51 | 11 21 | 1 2 | 12 4 | 1 13 | 14 15 | 2 16 | 15 28 | 0 23 | 1 12 | 1 18 | 22 36 | 4 42 | 18 11 | 17 49 | 24 31 | 14 32 | 7 27 |
| T 31 | 23s 4 | 2s45 | 3n 8 | 22s50 | 0n23 | 15s42 | 3n54 | 11s 4 | 1s 1 | 12n 5 | 1s12 | 14s16 | 2n16 | 15n27 | 0s23 | 1s12 | 1s18 | 22n36 | 4n43 | 18n11 | 17n48 | 24n33 | 14n32 | 7s27 |

Julian Day Number = 2520910.5, Delta T = 153.46 sec
Ecliptic obliquity = 23°24'58, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°23'39, Lahiri = 26°30'40