



Astrodienst Ephemeris Tables for the year 2193

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 EPHEMERIS for the year 2193
geocentric

JANUARY 2193

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|------|
| T 1 | 6 44 50 | 11♌ 2'10 | 10♌ 57 | 28♌ 20 | 18♌ 37 | 25♌ 42 | 26°R29 | 16♌ 50 | 26°R 1 | 6♌ 39 | 13°R16 | 21°R29 | 22♌ 13 | 16♌ 21 | 0°R45 | T 1 |
| W 2 | 6 48 47 | 12° 3'20 | 23°47 | 29°46 | 18°59 | 26°22 | 26♌ 25 | 16°57 | 25♌ 59 | 6°40 | 13♌ 15 | 21♌ 17 | 22° 9 | 16°27 | 0♌ 43 | W 2 |
| T 3 | 6 52 43 | 13° 4'30 | 6♌ 55 | 1♌ 11 | 19°19 | 27° 1 | 26°21 | 17° 4 | 25°58 | 6°40 | 13°14 | 21° 4 | 22° 6 | 16°34 | 0°41 | T 3 |
| F 4 | 6 56 40 | 14° 5'40 | 20°19 | 2°32 | 19°38 | 27°41 | 26°17 | 17°10 | 25°56 | 6°41 | 13°13 | 20°53 | 22° 3 | 16°40 | 0°39 | F 4 |
| S 5 | 7 0 36 | 15° 6'50 | 3♌ 57 | 3°51 | 19°54 | 28°20 | 26°12 | 17°17 | 25°55 | 6°41 | 13°12 | 20°43 | 22° 0 | 16°47 | 0°37 | S 5 |
| S 6 | 7 4 33 | 16° 8'00 | 17°46 | 5° 6 | 20° 8 | 29° 0 | 26° 8 | 17°23 | 25°54 | 6°42 | 13°10 | 20°36 | 21°57 | 16°54 | 0°34 | S 6 |
| M 7 | 7 8 30 | 17° 9'10 | 1♌ 43 | 6°18 | 20°20 | 29°39 | 26° 3 | 17°30 | 25°52 | 6°43 | 13° 9 | 20°32 | 21°54 | 17° 0 | 0°32 | M 7 |
| T 8 | 7 12 26 | 18°10'20 | 15°44 | 7°25 | 20°30 | 0♌ 19 | 25°58 | 17°36 | 25°51 | 6°43 | 13° 8 | 20°D30 | 21°50 | 17° 7 | 0°29 | T 8 |
| W 9 | 7 16 23 | 19°11'29 | 29°48 | 8°26 | 20°37 | 0°58 | 25°53 | 17°43 | 25°50 | 6°44 | 13° 7 | 20°30 | 21°47 | 17°14 | 0°26 | W 9 |
| T 10 | 7 20 19 | 20°12'38 | 13♌ 53 | 9°21 | 20°42 | 1°38 | 25°48 | 17°49 | 25°49 | 6°45 | 13° 5 | 20°R31 | 21°44 | 17°20 | 0°24 | T 10 |
| F 11 | 7 24 16 | 21°13'46 | 27°59 | 10°10 | 20°45 | 2°18 | 25°43 | 17°55 | 25°47 | 6°46 | 13° 4 | 20°31 | 21°41 | 17°27 | 0°21 | F 11 |
| S 12 | 7 28 12 | 22°14'54 | 12♌ 5 | 10°50 | 20°R45 | 2°57 | 25°37 | 18° 2 | 25°46 | 6°47 | 13° 3 | 20°29 | 21°38 | 17°34 | 0°18 | S 12 |
| S 13 | 7 32 9 | 23°16'02 | 26° 8 | 11°22 | 20°43 | 3°37 | 25°31 | 18° 8 | 25°45 | 6°48 | 13° 2 | 20°25 | 21°34 | 17°40 | 0°15 | S 13 |
| M14 | 7 36 6 | 24°17'09 | 10♌ 8 | 11°43 | 20°38 | 4°17 | 25°26 | 18°14 | 25°44 | 6°49 | 13° 0 | 20°18 | 21°31 | 17°47 | 0°12 | M14 |
| T 15 | 7 40 2 | 25°18'15 | 24° 1 | 11°55 | 20°30 | 4°56 | 25°20 | 18°20 | 25°43 | 6°50 | 12°59 | 20°10 | 21°28 | 17°54 | 0° 8 | T 15 |
| W16 | 7 43 59 | 26°19'21 | 7♌ 43 | 11°R55 | 20°21 | 5°36 | 25°14 | 18°26 | 25°43 | 6°51 | 12°58 | 20° 0 | 21°25 | 18° 0 | 0° 5 | W16 |
| T 17 | 7 47 55 | 27°20'27 | 21°13 | 11°44 | 20° 8 | 6°15 | 25° 7 | 18°33 | 25°42 | 6°52 | 12°56 | 19°51 | 21°22 | 18° 7 | 0° 2 | T 17 |
| F 18 | 7 51 52 | 28°21'32 | 4♌ 26 | 11°21 | 19°53 | 6°55 | 25° 1 | 18°39 | 25°41 | 6°53 | 12°55 | 19°42 | 21°19 | 18°14 | 29♌ 58 | F 18 |
| S 19 | 7 55 48 | 29°22'36 | 17°21 | 10°46 | 19°36 | 7°35 | 24°54 | 18°45 | 25°40 | 6°54 | 12°54 | 19°36 | 21°15 | 18°20 | 29°55 | S 19 |
| S 20 | 7 59 45 | 0♌ 23'40 | 29°58 | 10° 0 | 19°16 | 8°15 | 24°48 | 18°50 | 25°40 | 6°55 | 12°52 | 19°31 | 21°12 | 18°27 | 29°51 | S 20 |
| M21 | 8 3 41 | 1°24'44 | 12♌ 19 | 9° 5 | 18°54 | 8°54 | 24°41 | 18°56 | 25°39 | 6°56 | 12°51 | 19°29 | 21° 9 | 18°34 | 29°47 | M21 |
| T 22 | 8 7 38 | 2°25'47 | 24°25 | 8° 0 | 18°30 | 9°34 | 24°34 | 19° 2 | 25°38 | 6°57 | 12°50 | 19°D29 | 21° 6 | 18°40 | 29°44 | T 22 |
| W23 | 8 11 35 | 3°26'50 | 6♌ 21 | 6°50 | 18° 3 | 10°14 | 24°27 | 19° 8 | 25°38 | 6°58 | 12°48 | 19°30 | 21° 3 | 18°47 | 29°40 | W23 |
| T 24 | 8 15 31 | 4°27'53 | 18°11 | 5°34 | 17°35 | 10°53 | 24°20 | 19°14 | 25°37 | 7° 0 | 12°47 | 19°31 | 21° 0 | 18°54 | 29°36 | T 24 |
| F 25 | 8 19 28 | 5°28'55 | 29°59 | 4°17 | 17° 5 | 11°33 | 24°13 | 19°19 | 25°37 | 7° 1 | 12°46 | 19°R33 | 20°56 | 19° 0 | 29°32 | F 25 |
| S 26 | 8 23 24 | 6°29'57 | 11♌ 53 | 3° 0 | 16°33 | 12°13 | 24° 6 | 19°25 | 25°36 | 7° 2 | 12°44 | 19°33 | 20°53 | 19° 7 | 29°28 | S 26 |
| S 27 | 8 27 21 | 7°30'58 | 23°55 | 1°46 | 15°59 | 12°53 | 23°59 | 19°30 | 25°36 | 7° 4 | 12°43 | 19°31 | 20°50 | 19°14 | 29°24 | S 27 |
| M28 | 8 31 17 | 8°31'59 | 6♌ 12 | 0°36 | 15°25 | 13°33 | 23°51 | 19°36 | 25°36 | 7° 5 | 12°41 | 19°28 | 20°47 | 19°20 | 29°20 | M28 |
| T 29 | 8 35 14 | 9°32'59 | 18°47 | 29♌ 33 | 14°50 | 14°12 | 23°44 | 19°41 | 25°36 | 7° 6 | 12°40 | 19°22 | 20°44 | 19°27 | 29°16 | T 29 |
| W30 | 8 39 10 | 10°33'59 | 1♌ 43 | 28°36 | 14°13 | 14°52 | 23°36 | 19°47 | 25°35 | 7° 8 | 12°39 | 19°16 | 20°40 | 19°34 | 29°12 | W30 |
| T 31 | 8 43 7 | 11°34'58 | 15♌ 2 | 27♌ 48 | 13°37 | 15°32 | 23♌ 29 | 19°52 | 25♌ 35 | 7° 9 | 12♌ 37 | 19♌ 9 | 20♌ 37 | 19♌ 40 | 29♌ 7 | T 31 |

| Day | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | decl | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat |
| T 1 | 22s58 | 26s58 | 4s57 | 22s22 | 1s56 | 14s49 | 0n26 | 18s41 | 0n30 | 13n31 | 0n53 | 21s17 | 1n29 | 19n 1 | 0s14 | 1n20 | 1s26 |
| W 2 | 22 52 | 28 17 | 5 2 | 21 59 | 1 50 | 14 32 | 0 37 | 18 51 | 0 30 | 13 32 | 0 54 | 21 18 | 1 29 | 19 0 | 0 14 | 1 20 | 1 26 |
| T 3 | 22 47 | 28 4 | 4 51 | 21 34 | 1 44 | 14 14 | 0 49 | 19 0 | 0 29 | 13 34 | 0 54 | 21 18 | 1 29 | 19 0 | 0 14 | 1 20 | 1 25 |
| F 4 | 22 40 | 26 13 | 4 24 | 21 9 | 1 37 | 13 57 | 1 1 | 19 10 | 0 28 | 13 36 | 0 54 | 21 19 | 1 29 | 19 0 | 0 14 | 1 20 | 1 25 |
| S 5 | 22 34 | 22 50 | 3 41 | 20 43 | 1 29 | 13 40 | 1 14 | 19 19 | 0 28 | 13 37 | 0 54 | 21 20 | 1 29 | 19 0 | 0 14 | 1 21 | 1 25 |
| S 6 | 22 27 | 18 7 | 2 45 | 20 17 | 1 21 | 13 24 | 1 26 | 19 28 | 0 27 | 13 39 | 0 55 | 21 20 | 1 29 | 18 59 | 0 14 | 1 21 | 1 25 |
| M 7 | 22 19 | 12 23 | 1 38 | 19 50 | 1 11 | 13 7 | 1 39 | 19 37 | 0 27 | 13 41 | 0 55 | 21 21 | 1 29 | 18 59 | 0 14 | 1 21 | 1 25 |
| T 8 | 22 11 | 6 1 | 0 25 | 19 22 | 1 0 | 12 52 | 1 53 | 19 46 | 0 26 | 13 43 | 0 55 | 21 21 | 1 29 | 18 59 | 0 14 | 1 22 | 1 25 |
| W 9 | 22 3 | 0n40 | 0n49 | 18 55 | 0 48 | 12 36 | 2 6 | 19 55 | 0 26 | 13 45 | 0 55 | 21 22 | 1 29 | 18 58 | 0 14 | 1 22 | 1 25 |
| T 10 | 21 54 | 7 20 | 2 2 | 18 28 | 0 36 | 12 22 | 2 20 | 20 4 | 0 25 | 13 47 | 0 55 | 21 22 | 1 29 | 18 58 | 0 14 | 1 22 | 1 25 |
| F 11 | 21 45 | 13 39 | 3 6 | 18 2 | 0 22 | 12 7 | 2 35 | 20 12 | 0 24 | 13 49 | 0 56 | 21 23 | 1 29 | 18 58 | 0 14 | 1 23 | 1 25 |
| S 12 | 21 35 | 19 15 | 4 0 | 17 36 | 0 7 | 11 53 | 2 49 | 20 20 | 0 24 | 13 51 | 0 56 | 21 24 | 1 29 | 18 58 | 0 14 | 1 23 | 1 25 |
| S 13 | 21 25 | 23 47 | 4 39 | 17 13 | 0n 9 | 11 40 | 3 4 | 20 29 | 0 23 | 13 53 | 0 56 | 21 24 | 1 30 | 18 57 | 0 14 | 1 24 | 1 25 |
| M14 | 21 14 | 26 54 | 5 1 | 16 50 | 0 26 | 11 28 | 3 19 | 20 37 | 0 22 | 13 55 | 0 56 | 21 25 | 1 30 | 18 57 | 0 14 | 1 24 | 1 25 |
| T 15 | 21 3 | 28 21 | 5 5 | 16 30 | 0 44 | 11 16 | 3 34 | 20 44 | 0 22 | 13 57 | 0 57 | 21 25 | 1 30 | 18 57 | 0 14 | 1 24 | 1 25 |
| W16 | 20 52 | 28 2 | 4 51 | 16 13 | 1 20 | 11 4 | 3 49 | 20 52 | 0 21 | 13 59 | 0 57 | 21 26 | 1 30 | 18 57 | 0 14 | 1 25 | 1 25 |
| T 17 | 20 40 | 26 3 | 4 21 | 15 58 | 1 20 | 10 54 | 4 4 | 21 0 | 0 21 | 14 2 | 0 57 | 21 26 | 1 30 | 18 57 | 0 14 | 1 25 | 1 25 |
| F 18 | 20 28 | 22 40 | 3 38 | 15 46 | 1 39 | 10 44 | 4 19 | 21 7 | 0 20 | 14 4 | 0 57 | 21 27 | 1 30 | 18 56 | 0 14 | 1 26 | 1 25 |
| S 19 | 20 16 | 18 14 | 2 44 | 15 38 | 1 57 | 10 35 | 4 34 | 21 14 | 0 19 | 14 6 | 0 57 | 21 27 | 1 30 | 18 56 | 0 14 | 1 26 | 1 25 |
| S 20 | 20 3 | 13 5 | 1 43 | 15 33 | 2 15 | 10 27 | 4 49 | 21 21 | 0 19 | 14 9 | 0 58 | 21 27 | 1 30 | 18 56 | 0 14 | 1 27 | 1 25 |
| M21 | 19 50 | 7 32 | 0 39 | 15 32 | 2 32 | 10 19 | 5 4 | 21 28 | 0 18 | 14 11 | 0 58 | 21 28 | 1 30 | 18 56 | 0 14 | 1 27 | 1 25 |
| T 22 | 19 36 | 1 48 | 0s27 | 15 33 | 2 47 | 10 13 | 5 19 | 21 35 | 0 17 | 14 14 | 0 58 | 21 28 | 1 30 | 18 56 | 0 14 | 1 28 | 1 25 |
| W23 | 19 22 | 3s54 | 1 30 | 15 38 | 3 1 | 10 7 | 5 33 | 21 41 | 0 17 | 14 16 | 0 58 | 21 29 | 1 30 | 18 56 | 0 14 | 1 28 | 1 25 |
| T 24 | 19 8 | 9 25 | 2 29 | 15 45 | 3 12 | 10 2 | 5 47 | 21 48 | 0 16 | 14 19 | 0 58 | 21 29 | 1 30 | 18 56 | 0 14 | 1 29 | 1 25 |
| F 25 | 18 53 | 14 36 | 3 22 | 15 55 | 3 21 | 9 58 | 6 1 | 21 54 | 0 15 | 14 21 | 0 58 | 21 30 | 1 30 | 18 56 | 0 14 | 1 29 | 1 25 |
| S 26 | 18 38 | 19 17 | 4 6 | 16 6 | 3 28 | 9 54 | 6 14 | 22 0 | 0 14 | 14 24 | 0 59 | 21 30 | 1 30 | 18 56 | 0 13 | 1 30 | 1 25 |
| S 27 | 18 22 | 23 15 | 4 40 | 16 18 | 3 32 | 9 52 | 6 27 | 22 6 | 0 14 | 14 26 | 0 59 | 21 30 | 1 30 | 18 55 | 0 13 | 1 30 | 1 25 |
| M28 | 18 7 | 26 17 | 5 2 | 16 32 | 3 33 | 9 50 | 6 39 | 22 11 | 0 13 | 14 29 | 0 59 | 21 31 | 1 30 | 18 55 | 0 13 | 1 31 | 1 24 |
| T 29 | 17 51 | 28 6 | 5 10 | 16 46 | 3 32 | 9 49 | 6 51 | 22 17 | 0 12 | 14 32 | 0 59 | 21 31 | 1 30 | 18 55 | 0 13 | 1 31 | 1 24 |
| W30 | 17 34 | 28 27 | 5 3 | 17 0 | 3 29 | 9 49 | 7 1 | 22 22 | 0 12 | 14 34 | 0 59 | 21 31 | 1 30 | 18 55 | 0 13 | 1 32 | 1 24 |
| T 31 | 17s18 | 27s12 | 4s39 | 17s14 | 3n25 | 9s49 | 7n12 | 22s27 | 0n11 | 14n37 | 0n59 | 21s32 | 1n30 | 18n55 | 0s13 | 1n33 | 1s24 |

Julian Day Number = 2522037.5, Delta T = 156.31 sec
Ecliptic obliquity = 23°24'59, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°26'15, Lahiri = 26°33'15

ASTRODIENST EPHEMERIS for the year 2193
geocentric

FEBRUARY 2193

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------|--------------------|--------------------|--------------------|--------------------|--------------------|------|
| F 1 | 8 47 4 | 12 ³⁵ 56 | 28 ³ 42 | 27°R 9 | 13°R 0 | 16 ¹ 12 | 23°R21 | 19 ¹ 57 | 25°R35 | 7°Y11 | 12°R36 | 19°R 3 | 20 ¹ 34 | 19 ¹ 47 | 29°R 3 | F 1 |
| S 2 | 8 51 0 | 13°36'54 | 12 ³ 42 | 26 ³ 38 | 12 ³ 23 | 16°52 | 23 ¹ 13 | 20° 2 | 25°D35 | 7°12 | 12 ¹ 34 | 18 ¹ 58 | 20°31 | 19°54 | 28 ¹ 59 | S 2 |
| S 3 | 8 54 57 | 14°37'50 | 26°56 | 26°16 | 11°46 | 17°32 | 23° 5 | 20° 7 | 25 ¹ 35 | 7°14 | 12°33 | 18°54 | 20°28 | 20° 0 | 28°54 | S 3 |
| M 4 | 8 58 53 | 15°38'45 | 11 ¹ 21 | 26° 3 | 11°10 | 18°11 | 22°57 | 20°12 | 25°35 | 7°15 | 12°32 | 18°52 | 20°25 | 20° 7 | 28°50 | M 4 |
| T 5 | 9 2 50 | 16°39'39 | 25°50 | 25°D57 | 10°34 | 18°51 | 22°50 | 20°17 | 25°36 | 7°17 | 12°30 | 18°D52 | 20°21 | 20°14 | 28°45 | T 5 |
| W 6 | 9 6 46 | 17°40'32 | 10 ¹ Y17 | 26° 0 | 9°59 | 19°31 | 22°42 | 20°22 | 25°36 | 7°18 | 12°29 | 18°54 | 20°18 | 20°20 | 28°41 | W 6 |
| T 7 | 9 10 43 | 18°41'23 | 24°40 | 26° 9 | 9°26 | 20°11 | 22°34 | 20°27 | 25°36 | 7°20 | 12°27 | 18°55 | 20°15 | 20°27 | 28°36 | T 7 |
| F 8 | 9 14 39 | 19°42'13 | 8 ¹ 55 | 26°26 | 8°54 | 20°51 | 22°26 | 20°32 | 25°36 | 7°22 | 12°26 | 18°56 | 20°12 | 20°34 | 28°32 | F 8 |
| S 9 | 9 18 36 | 20°43'02 | 23° 0 | 26°48 | 8°24 | 21°31 | 22°18 | 20°36 | 25°37 | 7°23 | 12°25 | 18°R57 | 20° 9 | 20°40 | 28°27 | S 9 |
| S 10 | 9 22 33 | 21°43'49 | 6 ¹ II53 | 27°16 | 7°55 | 22°11 | 22°10 | 20°41 | 25°37 | 7°25 | 12°23 | 18°56 | 20° 6 | 20°47 | 28°23 | S 10 |
| M 11 | 9 26 29 | 22°44'34 | 20°35 | 27°50 | 7°28 | 22°51 | 22° 2 | 20°45 | 25°38 | 7°27 | 12°22 | 18°54 | 20° 2 | 20°54 | 28°18 | M 11 |
| T 12 | 9 30 26 | 23°45'18 | 4 ¹ 54 | 28°28 | 7° 4 | 23°30 | 21°54 | 20°50 | 25°38 | 7°29 | 12°21 | 18°50 | 19°59 | 21° 0 | 28°13 | T 12 |
| W 13 | 9 34 22 | 24°46'01 | 17°20 | 29°11 | 6°41 | 24°10 | 21°46 | 20°54 | 25°39 | 7°30 | 12°19 | 18°47 | 19°56 | 21° 7 | 28° 9 | W 13 |
| T 14 | 9 38 19 | 25°46'42 | 0 ¹ Q23 | 29°57 | 6°21 | 24°50 | 21°38 | 20°58 | 25°39 | 7°32 | 12°18 | 18°43 | 19°53 | 21°14 | 28° 4 | T 14 |
| F 15 | 9 42 15 | 26°47'21 | 13°13 | 0 ¹ 47 | 6° 3 | 25°30 | 21°30 | 21° 3 | 25°40 | 7°34 | 12°17 | 18°39 | 19°50 | 21°20 | 27°59 | F 15 |
| S 16 | 9 46 12 | 27°47'59 | 25°49 | 1°41 | 5°48 | 26°10 | 21°22 | 21° 7 | 25°41 | 7°36 | 12°15 | 18°37 | 19°46 | 21°27 | 27°55 | S 16 |
| S 17 | 9 50 8 | 28°48'36 | 8 ¹ II12 | 2°38 | 5°35 | 26°50 | 21°14 | 21°11 | 25°41 | 7°38 | 12°14 | 18°36 | 19°43 | 21°34 | 27°50 | S 17 |
| M 18 | 9 54 5 | 29°49'11 | 20°24 | 3°37 | 5°24 | 27°30 | 21° 7 | 21°15 | 25°42 | 7°40 | 12°13 | 18°D35 | 19°40 | 21°40 | 27°45 | M 18 |
| T 19 | 9 58 2 | 0 ¹ 49'45 | 2 ¹ 426 | 4°40 | 5°16 | 28°10 | 20°59 | 21°19 | 25°43 | 7°41 | 12°11 | 18°36 | 19°37 | 21°47 | 27°41 | T 19 |
| W 20 | 10 1 58 | 1°50'17 | 14°20 | 5°44 | 5°11 | 28°50 | 20°51 | 21°23 | 25°44 | 7°43 | 12°10 | 18°37 | 19°34 | 21°54 | 27°36 | W 20 |
| T 21 | 10 5 55 | 2°50'49 | 26° 9 | 6°51 | 5° 8 | 29°30 | 20°43 | 21°26 | 25°45 | 7°45 | 12° 9 | 18°38 | 19°31 | 22° 0 | 27°31 | T 21 |
| F 22 | 10 9 51 | 3°51'18 | 7 ¹ II59 | 8° 0 | 5°D 7 | 0 ¹ 310 | 20°36 | 21°30 | 25°46 | 7°47 | 12° 7 | 18°40 | 19°27 | 22° 7 | 27°27 | F 22 |
| S 23 | 10 13 48 | 4°51'47 | 19°51 | 9°11 | 5° 9 | 0°50 | 20°28 | 21°33 | 25°47 | 7°49 | 12° 6 | 18°41 | 19°24 | 22°14 | 27°22 | S 23 |
| S 24 | 10 17 44 | 5°52'14 | 1 ¹ 153 | 10°24 | 5°13 | 1°30 | 20°21 | 21°37 | 25°48 | 7°51 | 12° 5 | 18°R41 | 19°21 | 22°20 | 27°18 | S 24 |
| M 25 | 10 21 41 | 6°52'40 | 14° 7 | 11°39 | 5°20 | 2°10 | 20°13 | 21°40 | 25°49 | 7°53 | 12° 4 | 18°41 | 19°18 | 22°27 | 27°13 | M 25 |
| T 26 | 10 25 37 | 7°53'05 | 26°39 | 12°55 | 5°29 | 2°50 | 20° 6 | 21°44 | 25°51 | 7°55 | 12° 2 | 18°41 | 19°15 | 22°34 | 27° 8 | T 26 |
| W 27 | 10 29 34 | 8°53'29 | 9 ¹ 332 | 14°13 | 5°40 | 3°30 | 19°59 | 21°47 | 25°52 | 7°57 | 12° 1 | 18°40 | 19°11 | 22°40 | 27° 4 | W 27 |
| T 28 | 10 33 31 | 9 ¹ 53'51 | 22 ¹ 351 | 15°33 | 5°53 | 4 ¹ 310 | 19°52 | 21 ¹ 50 | 25°53 | 7°Y59 | 12° 0 | 18 ¹ 39 | 19 ¹ 8 | 22 ¹ 47 | 26°59 | T 28 |

| Day | ☉ | ☽ | | ♀ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|------|-----|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| F 1 | 17s 1 | 24s18 | 4s 0 | 17s28 | 3n18 | 9s51 | 7n21 | 22s32 | 0n10 | 14n40 | 1n 0 | 21s32 | 1n30 | 18n55 | 0s13 | 1n33 | 1s24 | 22n50 | 6n 5 | 4s20 | 3s44 | 10s 4 | 5n15 | 6s58 | |
| S 2 | 16 43 | 19 56 | 3 4 | 17 41 | 3 10 | 9 53 | 7 29 | 22 37 | 0 9 | 14 42 | 1 0 | 21 32 | 1 30 | 18 55 | 0 13 | 1 34 | 1 24 | 22 51 | 6 5 | 4 22 | 3 45 | 10 7 | 5 16 | 6 59 | |
| S 3 | 16 26 | 14 21 | 1 57 | 17 54 | 3 2 | 9 55 | 7 37 | 22 41 | 0 9 | 14 45 | 1 0 | 21 33 | 1 30 | 18 55 | 0 13 | 1 35 | 1 24 | 22 51 | 6 5 | 4 23 | 3 47 | 10 10 | 5 18 | 6 59 | |
| M 4 | 16 8 | 7 56 | 0 41 | 18 6 | 2 52 | 9 59 | 7 43 | 22 46 | 0 8 | 14 48 | 1 0 | 21 33 | 1 30 | 18 55 | 0 13 | 1 35 | 1 24 | 22 52 | 6 5 | 4 24 | 3 48 | 10 13 | 5 19 | 6 59 | |
| T 5 | 15 50 | 1 5 | 0n38 | 18 18 | 2 41 | 10 2 | 7 49 | 22 50 | 0 7 | 14 50 | 1 0 | 21 33 | 1 31 | 18 56 | 0 13 | 1 36 | 1 24 | 22 52 | 6 5 | 4 24 | 3 49 | 10 17 | 5 21 | 6 59 | |
| W 6 | 15 31 | 5n50 | 1 55 | 18 28 | 2 30 | 10 7 | 7 54 | 22 54 | 0 6 | 14 53 | 1 0 | 21 34 | 1 31 | 18 56 | 0 13 | 1 37 | 1 24 | 22 53 | 6 5 | 4 23 | 3 50 | 10 20 | 5 22 | 6 59 | |
| T 7 | 15 13 | 12 24 | 3 4 | 18 37 | 2 19 | 10 12 | 7 58 | 22 58 | 0 6 | 14 56 | 1 0 | 21 34 | 1 31 | 18 56 | 0 13 | 1 37 | 1 24 | 22 53 | 6 5 | 4 23 | 3 52 | 10 23 | 5 24 | 6 59 | |
| F 8 | 14 54 | 18 15 | 4 1 | 18 45 | 2 8 | 10 17 | 8 0 | 23 1 | 0 5 | 14 59 | 1 0 | 21 34 | 1 31 | 18 56 | 0 13 | 1 38 | 1 24 | 22 54 | 6 5 | 4 22 | 3 53 | 10 26 | 5 25 | 6 59 | |
| S 9 | 14 34 | 23 3 | 4 42 | 18 53 | 1 56 | 10 22 | 8 3 | 23 5 | 0 4 | 15 1 | 1 1 | 21 34 | 1 31 | 18 56 | 0 13 | 1 39 | 1 24 | 22 54 | 6 5 | 4 22 | 3 54 | 10 29 | 5 27 | 6 59 | |
| S 10 | 14 15 | 26 29 | 5 7 | 18 59 | 1 44 | 10 28 | 8 4 | 23 8 | 0 3 | 15 4 | 1 1 | 21 35 | 1 31 | 18 56 | 0 13 | 1 39 | 1 24 | 22 54 | 6 5 | 4 23 | 3 55 | 10 33 | 5 28 | 6 59 | |
| M 11 | 13 55 | 28 18 | 5 14 | 19 4 | 1 33 | 10 35 | 8 4 | 23 11 | 0 2 | 15 7 | 1 1 | 21 35 | 1 31 | 18 56 | 0 13 | 1 40 | 1 24 | 22 55 | 6 5 | 4 23 | 3 57 | 10 36 | 5 30 | 6 59 | |
| T 12 | 13 35 | 28 24 | 5 3 | 19 7 | 1 21 | 10 41 | 8 4 | 23 14 | 0 1 | 15 9 | 1 1 | 21 35 | 1 31 | 18 56 | 0 13 | 1 41 | 1 24 | 22 55 | 6 6 | 4 25 | 3 58 | 10 39 | 5 31 | 6 59 | |
| W 13 | 13 15 | 26 51 | 4 36 | 19 10 | 1 10 | 10 48 | 8 2 | 23 17 | 0 1 | 15 12 | 1 1 | 21 35 | 1 31 | 18 56 | 0 13 | 1 41 | 1 24 | 22 56 | 6 6 | 4 26 | 3 59 | 10 42 | 5 33 | 6 59 | |
| T 14 | 12 55 | 23 52 | 3 55 | 19 11 | 0 59 | 10 54 | 8 0 | 23 19 | 0s 0 | 15 15 | 1 1 | 21 36 | 1 31 | 18 57 | 0 13 | 1 42 | 1 24 | 22 56 | 6 6 | 4 28 | 4 0 | 10 46 | 5 35 | 6 59 | |
| F 15 | 12 34 | 19 45 | 3 3 | 19 11 | 0 48 | 11 1 | 7 58 | 23 21 | 0 1 | 15 17 | 1 1 | 21 36 | 1 31 | 18 57 | 0 13 | 1 43 | 1 24 | 22 57 | 6 6 | 4 29 | 4 1 | 10 49 | 5 36 | 6 58 | |
| S 16 | 12 14 | 14 49 | 2 2 | 19 10 | 0 37 | 11 8 | 7 54 | 23 24 | 0 2 | 15 20 | 1 1 | 21 36 | 1 31 | 18 57 | 0 13 | 1 44 | 1 24 | 22 57 | 6 6 | 4 30 | 4 3 | 10 52 | 5 38 | 6 58 | |
| S 17 | 11 53 | 9 22 | 0 57 | 19 8 | 0 26 | 11 15 | 7 50 | 23 26 | 0 3 | 15 22 | 1 1 | 21 36 | 1 31 | 18 57 | 0 13 | 1 44 | 1 24 | 22 57 | 6 6 | 4 31 | 4 4 | 10 55 | 5 40 | 6 58 | |
| M 18 | 11 31 | 3 39 | 0s10 | 19 4 | 0 16 | 11 22 | 7 46 | 23 27 | 0 4 | 15 25 | 1 1 | 21 36 | 1 31 | 18 57 | 0 13 | 1 45 | 1 24 | 22 58 | 6 6 | 4 31 | 4 5 | 10 58 | 5 41 | 6 58 | |
| T 19 | 11 10 | 2s 7 | 1 16 | 18 59 | 0 6 | 11 29 | 7 41 | 23 29 | 0 5 | 15 28 | 1 1 | 21 37 | 1 32 | 18 58 | 0 13 | 1 46 | 1 24 | 22 58 | 6 6 | 4 30 | 4 6 | 11 2 | 5 43 | 6 58 | |
| W 20 | 10 49 | 7 46 | 2 18 | 18 53 | 0s 4 | 11 35 | 7 35 | 23 30 | 0 5 | 15 30 | 1 1 | 21 37 | 1 32 | 18 58 | 0 13 | 1 47 | 1 24 | 22 59 | 6 6 | 4 30 | 4 8 | 11 5 | 5 45 | 6 58 | |
| T 21 | 10 27 | 13 5 | 3 13 | 18 45 | 0 13 | 11 42 | 7 29 | 23 31 | 0 6 | 15 33 | 1 1 | 21 37 | 1 32 | 18 58 | 0 13 | 1 47 | 1 24 | 22 59 | 6 6 | 4 29 | 4 9 | 11 8 | 5 47 | 6 58 | |
| F 22 | 10 5 | 17 57 | 4 1 | 18 36 | 0 22 | 11 48 | 7 23 | 23 32 | 0 7 | 15 35 | 1 2 | 21 37 | 1 32 | 18 58 | 0 13 | 1 48 | 1 24 | 22 59 | 6 6 | 4 29 | 4 10 | 11 11 | 5 48 | 6 57 | |
| S 23 | 9 43 | 22 8 | 4 38 | 18 26 | 0 31 | 11 54 | 7 16 | 23 33 | 0 8 | 15 38 | 1 2 | 21 37 | 1 32 | 18 59 | 0 13 | 1 49 | 1 24 | 23 0 | 6 6 | 4 28 | 4 11 | 11 14 | 5 50 | 6 57 | |
| S 24 | 9 21 | 25 28 | 5 3 | 18 15 | 0 40 | 12 0 | 7 9 | 23 34 | 0 9 | 15 40 | 1 2 | 21 37 | 1 32 | 18 59 | 0 13 | 1 50 | 1 24 | 23 0 | 6 6 | 4 28 | 4 13 | 11 18 | 5 52 | 6 57 | |
| M 25 | 8 59 | 27 42 | 5 16 | 18 2 | 0 48 | 12 6 | 7 2 | 23 34 | 0 10 | 15 42 | 1 2 | 21 37 | 1 32 | 18 59 | 0 13 | 1 51 | 1 24 | 23 0 | 6 6 | 4 28 | 4 14 | 11 21 | 5 54 | 6 57 | |
| T 26 | 8 36 | 28 36 | 5 14 | 17 48 | 0 55 | 12 11 | 6 54 | 23 34 | 0 11 | 15 45 | 1 2 | 21 38 | 1 32 | 19 0 | 0 13 | 1 51 | 1 24 | 23 1 | 6 6 | 4 28 | 4 15 | 11 24 | 5 55 | 6 56 | |
| W 27 | 8 14 | 28 0 | 4 56 | 17 33 | 1 3 | 12 16 | 6 46 | 23 34 | 0 12 | 15 47 | 1 2 | 21 38 | 1 32 | 19 0 | 0 13 | 1 52 | 1 24 | 23 1 | 6 6 | 4 29 | 4 16 | 11 27 | 5 57 | 6 56 | |
| T 28 | 7s51 | 25s48 | 4s22 | 17s17 | 1s10 | 12s20 | 6n38 | 23s34 | 0s13 | 15n49 | 1n 2 | 21s38 | 1n32 | 19n 0 | 0s13 | 1n53 | 1s24 | 23n 2 | 6n 6 | 4s29 | 4s18 | 11s30 | 5n59 | 6s56 | |

Julian Day Number = 2522068.5, Delta T = 156.39 sec
Ecliptic obliquity = 23°25'00, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°26'19, Lahiri = 26°33'19

ASTRODIENST EPHEMERIS for the year 2193

geocentric

MARCH 2193

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|------------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|-------------------|---------------------|--------------------|--------------------|---------------------|---------------------|------|
| F 1 | 10 37 27 | 10 ^h 54'11" | 6 ^h 34' | 16 ^h 53' | 6 ^h 8' | 4 ^h 50' | 19°R45 | 21 ^h 53' | 25 ^h 55' | 8 ^h 1' | 11°R59 | 18°R38 | 19 ^h 5' | 22 ^h 54' | 26°R55 | F 1 |
| S 2 | 10 41 24 | 11°54'30" | 20°43' | 18°16' | 6°26' | 5°30' | 19 ^h 038 | 21°56' | 25°56' | 8°3' | 11 ^h 057 | 18 ^h 37 | 19°2' | 23°0' | 26 ^h 050 | S 2 |
| S 3 | 10 45 20 | 12°54'47" | 5 ^h 13' | 19°39' | 6°45' | 6°10' | 19°31' | 21°59' | 25°58' | 8°5' | 11°56' | 18°36' | 18°59' | 23°7' | 26°46' | S 3 |
| M 4 | 10 49 17 | 13°55'03" | 19°59' | 21°4' | 7°6' | 6°50' | 19°24' | 22°1' | 25°59' | 8°8' | 11°55' | 18°D36 | 18°56' | 23°14' | 26°42' | M 4 |
| T 5 | 10 53 13 | 14°55'16" | 4 ^h 53' | 22°30' | 7°29' | 7°30' | 19°18' | 22°4' | 26°1' | 8°10' | 11°54' | 18°36' | 18°52' | 23°20' | 26°37' | T 5 |
| W 6 | 10 57 10 | 15°55'28" | 19°48' | 23°57' | 7°54' | 8°10' | 19°11' | 22°7' | 26°2' | 8°12' | 11°53' | 18°36' | 18°49' | 23°27' | 26°33' | W 6 |
| T 7 | 11 1 6 | 16°55'38" | 4 ^h 36' | 25°26' | 8°21' | 8°50' | 19°5' | 22°9' | 26°4' | 8°14' | 11°52' | 18°37' | 18°46' | 23°34' | 26°29' | T 7 |
| F 8 | 11 5 3 | 17°55'46" | 19°11' | 26°56' | 8°49' | 9°30' | 18°59' | 22°11' | 26°6' | 8°16' | 11°51' | 18°37' | 18°43' | 23°40' | 26°25' | F 8 |
| S 9 | 11 9 0 | 18°55'51" | 3 ^h 28' | 28°26' | 9°18' | 10°10' | 18°53' | 22°14' | 26°7' | 8°18' | 11°50' | 18°R37 | 18°40' | 23°47' | 26°20' | S 9 |
| S 10 | 11 12 56 | 19°55'55" | 17°25' | 29°58' | 9°49' | 10°50' | 18°47' | 22°16' | 26°9' | 8°20' | 11°49' | 18°D37 | 18°37' | 23°54' | 26°16' | S 10 |
| M 11 | 11 16 53 | 20°55'57" | 1 ^h 2' | 1 ^h 32' | 10°22' | 11°30' | 18°41' | 22°18' | 26°11' | 8°23' | 11°48' | 18°37' | 18°33' | 24°0' | 26°12' | M 11 |
| T 12 | 11 20 49 | 21°55'56" | 14°19' | 3°6' | 10°56' | 12°10' | 18°35' | 22°20' | 26°13' | 8°25' | 11°47' | 18°37' | 18°30' | 24°7' | 26°8' | T 12 |
| W 13 | 11 24 46 | 22°55'53" | 27°18' | 4°41' | 11°31' | 12°50' | 18°30' | 22°22' | 26°15' | 8°27' | 11°46' | 18°37' | 18°27' | 24°14' | 26°4' | W 13 |
| T 14 | 11 28 42 | 23°55'48" | 10 ^h 01' | 6°18' | 12°8' | 13°30' | 18°24' | 22°24' | 26°17' | 8°29' | 11°45' | 18°38' | 18°24' | 24°20' | 26°1' | T 14 |
| F 15 | 11 32 39 | 24°55'41" | 22°30' | 7°56' | 12°46' | 14°10' | 18°19' | 22°25' | 26°19' | 8°31' | 11°44' | 18°39' | 18°21' | 24°27' | 25°57' | F 15 |
| S 16 | 11 36 35 | 25°55'32" | 4 ^h 48' | 9°35' | 13°25' | 14°50' | 18°14' | 22°27' | 26°21' | 8°34' | 11°43' | 18°39' | 18°17' | 24°34' | 25°53' | S 16 |
| S 17 | 11 40 32 | 26°55'20" | 16°57' | 11°15' | 14°5' | 15°30' | 18°9' | 22°28' | 26°23' | 8°36' | 11°42' | 18°R39 | 18°14' | 24°40' | 25°49' | S 17 |
| M 18 | 11 44 29 | 27°55'07" | 28°58' | 12°56' | 14°47' | 16°10' | 18°4' | 22°30' | 26°25' | 8°38' | 11°41' | 18°39' | 18°11' | 24°47' | 25°46' | M 18 |
| T 19 | 11 48 25 | 28°54'51" | 10 ^h 03' | 14°39' | 15°29' | 16°50' | 18°0' | 22°31' | 26°27' | 8°40' | 11°40' | 18°38' | 18°8' | 24°54' | 25°42' | T 19 |
| W 20 | 11 52 22 | 29°54'34" | 22°44' | 16°22' | 16°12' | 17°29' | 17°56' | 22°32' | 26°30' | 8°43' | 11°39' | 18°37' | 18°5' | 25°0' | 25°39' | W 20 |
| T 21 | 11 56 18 | 0 ^h 54'15" | 4 ^h 44' | 18°7' | 16°57' | 18°9' | 17°51' | 22°34' | 26°32' | 8°45' | 11°38' | 18°35' | 18°2' | 25°7' | 25°36' | T 21 |
| F 22 | 12 0 15 | 1°53'54" | 16°24' | 19°53' | 17°42' | 18°49' | 17°47' | 22°35' | 26°34' | 8°47' | 11°37' | 18°33' | 17°58' | 25°14' | 25°32' | F 22 |
| S 23 | 12 4 11 | 2°53'32" | 28°18' | 21°41' | 18°28' | 19°29' | 17°43' | 22°35' | 26°37' | 8°49' | 11°37' | 18°31' | 17°55' | 25°20' | 25°29' | S 23 |
| S 24 | 12 8 8 | 3°53'07" | 10 ^h 02' | 23°30' | 19°15' | 20°9' | 17°40' | 22°36' | 26°39' | 8°52' | 11°36' | 18°30' | 17°52' | 25°27' | 25°26' | S 24 |
| M 25 | 12 12 4 | 4°52'41" | 22°33' | 25°19' | 20°3' | 20°49' | 17°36' | 22°37' | 26°41' | 8°54' | 11°35' | 18°28' | 17°49' | 25°34' | 25°23' | M 25 |
| T 26 | 12 16 1 | 5°52'13" | 5 ^h 2' | 27°11' | 20°52' | 21°29' | 17°33' | 22°38' | 26°44' | 8°56' | 11°34' | 18°D28 | 17°46' | 25°40' | 25°20' | T 26 |
| W 27 | 12 19 57 | 6°51'44" | 17°49' | 29°3' | 21°42' | 22°9' | 17°30' | 22°38' | 26°46' | 8°59' | 11°34' | 18°28' | 17°43' | 25°47' | 25°17' | W 27 |
| T 28 | 12 23 54 | 7°51'12" | 1 ^h 0' | 0 ^h 57' | 22°32' | 22°49' | 17°27' | 22°38' | 26°49' | 9°1' | 11°33' | 18°29' | 17°39' | 25°54' | 25°14' | T 28 |
| F 29 | 12 27 51 | 8°50'39" | 14°37' | 2°52' | 23°23' | 23°29' | 17°24' | 22°39' | 26°51' | 9°3' | 11°32' | 18°31' | 17°36' | 26°0' | 25°12' | F 29 |
| S 30 | 12 31 47 | 9°50'04" | 28°41' | 4°48' | 24°15' | 24°9' | 17°21' | 22°39' | 26°54' | 9°5' | 11°32' | 18°32' | 17°33' | 26°7' | 25°9' | S 30 |
| S 31 | 12 35 44 | 10 ^h 49'27" | 13 ^h 11' | 6°46' | 25 ^h 7' | 24 ^h 39' | 17 ^h 019 | 22 ^h 39 | 26 ^h 57 | 9 ^h 8 | 11 ^h 031 | 18°R33 | 17 ^h 30 | 26 ^h 14 | 25 ^h 07 | S 31 |

| Day | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | lat |
| F 1 | 7s28 | 22s 3 | 3s33 | 16s59 | 1s17 | 12s25 | 6n30 | 23s34 | 0s14 | 15n51 | 1n 2 | 21s38 | 1n32 | 19n 1 | 0s13 | 1n54 |
| S 2 | 7 5 | 16 55 | 2 29 | 16 40 | 1 23 | 12 29 | 6 22 | 23 33 | 0 15 | 15 54 | 1 2 | 21 38 | 1 32 | 19 1 | 0 13 | 1 55 |
| S 3 | 6 42 | 10 44 | 1 14 | 16 19 | 1 29 | 12 32 | 6 13 | 23 32 | 0 16 | 15 56 | 1 2 | 21 38 | 1 33 | 19 1 | 0 13 | 1 56 |
| M 4 | 6 19 | 3 51 | 0n 8 | 15 58 | 1 35 | 12 35 | 6 5 | 23 31 | 0 17 | 15 58 | 1 2 | 21 38 | 1 33 | 19 2 | 0 13 | 1 56 |
| T 5 | 5 56 | 3n18 | 1 29 | 15 35 | 1 40 | 12 38 | 5 56 | 23 30 | 0 18 | 16 0 | 1 2 | 21 38 | 1 33 | 19 2 | 0 13 | 1 57 |
| W 6 | 5 33 | 10 17 | 2 45 | 15 11 | 1 45 | 12 40 | 5 47 | 23 29 | 0 19 | 16 2 | 1 2 | 21 38 | 1 33 | 19 2 | 0 13 | 1 58 |
| T 7 | 5 9 | 16 38 | 3 49 | 14 46 | 1 50 | 12 42 | 5 39 | 23 27 | 0 20 | 16 4 | 1 2 | 21 38 | 1 33 | 19 3 | 0 13 | 1 59 |
| F 8 | 4 46 | 21 56 | 4 37 | 14 19 | 1 54 | 12 44 | 5 30 | 23 26 | 0 21 | 16 6 | 1 2 | 21 38 | 1 33 | 19 3 | 0 13 | 2 0 |
| S 9 | 4 23 | 25 51 | 5 7 | 13 51 | 1 58 | 12 45 | 5 21 | 23 24 | 0 22 | 16 8 | 1 2 | 21 38 | 1 33 | 19 4 | 0 13 | 2 1 |
| S 10 | 3 59 | 28 5 | 5 18 | 13 22 | 2 2 | 12 45 | 5 12 | 23 22 | 0 23 | 16 10 | 1 2 | 21 38 | 1 33 | 19 4 | 0 13 | 2 2 |
| M 11 | 3 35 | 28 35 | 5 10 | 12 52 | 2 5 | 12 45 | 5 3 | 23 19 | 0 24 | 16 11 | 1 2 | 21 38 | 1 33 | 19 5 | 0 13 | 2 2 |
| T 12 | 3 12 | 27 24 | 4 46 | 12 20 | 2 7 | 12 45 | 4 54 | 23 17 | 0 25 | 16 13 | 1 2 | 21 38 | 1 33 | 19 5 | 0 13 | 2 3 |
| W 13 | 2 48 | 24 44 | 4 8 | 11 48 | 2 10 | 12 44 | 4 45 | 23 14 | 0 26 | 16 15 | 1 2 | 21 38 | 1 34 | 19 5 | 0 13 | 2 4 |
| T 14 | 2 25 | 20 54 | 3 19 | 11 14 | 2 12 | 12 43 | 4 36 | 23 11 | 0 27 | 16 17 | 1 2 | 21 38 | 1 34 | 19 6 | 0 13 | 2 5 |
| F 15 | 2 1 | 16 12 | 2 20 | 10 39 | 2 13 | 12 41 | 4 28 | 23 8 | 0 29 | 16 18 | 1 2 | 21 38 | 1 34 | 19 6 | 0 13 | 2 6 |
| S 16 | 1 37 | 10 55 | 1 16 | 10 2 | 2 14 | 12 39 | 4 19 | 23 5 | 0 30 | 16 20 | 1 2 | 21 38 | 1 34 | 19 7 | 0 13 | 2 7 |
| S 17 | 1 13 | 5 18 | 0 9 | 9 25 | 2 15 | 12 36 | 4 10 | 23 2 | 0 31 | 16 21 | 1 2 | 21 38 | 1 34 | 19 7 | 0 12 | 2 8 |
| M 18 | 0 50 | 0s27 | 0s57 | 8 46 | 2 15 | 12 32 | 4 1 | 22 58 | 0 32 | 16 23 | 1 2 | 21 38 | 1 34 | 19 8 | 0 12 | 2 9 |
| T 19 | 0 26 | 6 9 | 2 0 | 8 6 | 2 14 | 12 28 | 3 53 | 22 54 | 0 33 | 16 24 | 1 1 | 21 38 | 1 34 | 19 9 | 0 12 | 2 9 |
| W 20 | 0 2 | 11 35 | 2 58 | 7 25 | 2 14 | 12 24 | 3 44 | 22 51 | 0 34 | 16 25 | 1 1 | 21 38 | 1 34 | 19 9 | 0 12 | 2 10 |
| T 21 | 0n22 | 16 36 | 3 48 | 6 43 | 2 12 | 12 19 | 3 35 | 22 46 | 0 36 | 16 26 | 1 1 | 21 38 | 1 34 | 19 10 | 0 12 | 2 11 |
| F 22 | 0 45 | 21 0 | 4 28 | 6 0 | 2 11 | 12 14 | 3 27 | 22 42 | 0 37 | 16 28 | 1 1 | 21 38 | 1 34 | 19 10 | 0 12 | 2 12 |
| S 23 | 1 9 | 24 35 | 4 57 | 5 16 | 2 9 | 12 8 | 3 18 | 22 38 | 0 38 | 16 29 | 1 1 | 21 38 | 1 34 | 19 11 | 0 12 | 2 13 |
| S 24 | 1 33 | 27 8 | 5 13 | 4 30 | 2 6 | 12 1 | 3 10 | 22 33 | 0 39 | 16 30 | 1 1 | 21 38 | 1 35 | 19 11 | 0 12 | 2 14 |
| M 25 | 1 56 | 28 27 | 5 15 | 3 44 | 2 3 | 11 54 | 3 2 | 22 28 | 0 40 | 16 31 | 1 1 | 21 38 | 1 35 | 19 12 | 0 12 | 2 15 |
| T 26 | 2 20 | 28 22 | 5 3 | 2 56 | 1 59 | 11 47 | 2 54 | 22 23 | 0 42 | 16 32 | 1 1 | 21 38 | 1 35 | 19 12 | 0 12 | 2 16 |
| W 27 | 2 43 | 26 47 | 4 36 | 2 8 | 1 55 | 11 39 | 2 46 | 22 18 | 0 43 | 16 33 | 1 1 | 21 38 | 1 35 | 19 13 | 0 12 | 2 17 |
| T 28 | 3 7 | 23 42 | 3 53 | 1 18 | 1 50 | 11 30 | 2 38 | 22 13 | 0 44 | 16 34 | 1 1 | 21 38 | 1 35 | 19 14 | 0 12 | 2 17 |
| F 29 | 3 30 | 19 15 | 2 56 | 0 18 | 1 45 | 11 21 | 2 30 | 22 7 | 0 45 | 16 34 | 1 1 | 21 38 | 1 35 | 19 14 | 0 12 | 2 18 |
| S 30 | 3 54 | 13 36 | 1 47 | 0n23 | 1 39 | 11 12 | 2 22 | 22 2 | 0 47 | 16 35 | 1 1 | 21 38 | 1 35 | 19 15 | 0 12 | 2 19 |
| S 31 | 4n17 | 7s 4 | 0s30 | 1n16 | 1s33 | 11s 2 | 2n14 | 21s56 | 0s48 | 16n36 | 1n 1 | 21s38 | 1n35 | 19n15 | 0s12 | 2n20 |

Julian Day Number = 2522096.5, Delta T = 156.46 sec
 Ecliptic obliquity = 23°25'00, Nutation = 0°00'04, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°26'23, Lahiri = 26°33'23

ASTRODIENST EPHEMERIS for the year 2193

geocentric

APRIL 2193

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|----------|-------|-------|-------|--------|--------|-------|-------|--------|--------|-------|-------|--------|------|-----|
| M 1 | 12 39 40 | 11°48'49 | 28°48' 2 | 8°44 | 26°00 | 25°29 | 17°R17 | 22°R39 | 26°59 | 9°10 | 11°R30 | 18°R33 | 17°27 | 26°20 | 25°R 4 | M 1 | |
| T 2 | 12 43 37 | 12°48'08 | 13°48' 9 | 10°44 | 26°54 | 26° 8 | 17°14 | 22°39 | 27° 2 | 9°12 | 11°130 | 18°31 | 17°23 | 26°27 | 25°R 2 | T 2 | |
| W 3 | 12 47 33 | 13°47'25 | 28°22 | 12°45 | 27°48 | 26°48 | 17°13 | 22°39 | 27° 5 | 9°14 | 11°29 | 18°29 | 17°20 | 26°34 | 25° 0 | W 3 | |
| T 4 | 12 51 30 | 14°46'40 | 13°31 | 14°47 | 28°42 | 27°28 | 17°11 | 22°39 | 27° 8 | 9°17 | 11°29 | 18°25 | 17°17 | 26°41 | 24°58 | T 4 | |
| F 5 | 12 55 26 | 15°45'54 | 28°26 | 16°50 | 29°38 | 28° 8 | 17° 9 | 22°38 | 27°10 | 9°19 | 11°28 | 18°21 | 17°14 | 26°47 | 24°56 | F 5 | |
| S 6 | 12 59 23 | 16°45'05 | 13°11 | 18°53 | 0°33 | 28°48 | 17° 8 | 22°38 | 27°13 | 9°21 | 11°28 | 18°18 | 17°11 | 26°54 | 24°54 | S 6 | |
| S 7 | 13 3 20 | 17°44'13 | 27°10 | 20°57 | 1°29 | 29°27 | 17° 7 | 22°37 | 27°16 | 9°23 | 11°27 | 18°15 | 17° 8 | 27° 1 | 24°52 | S 7 | |
| M 8 | 13 7 16 | 18°43'20 | 10°53 | 23° 2 | 2°26 | 0° 7 | 17° 6 | 22°36 | 27°19 | 9°26 | 11°27 | 18°14 | 17° 4 | 27° 7 | 24°50 | M 8 | |
| T 9 | 13 11 13 | 19°42'24 | 24° 9 | 25° 6 | 3°23 | 0°47 | 17° 5 | 22°36 | 27°22 | 9°28 | 11°27 | 18°D14 | 17° 1 | 27°14 | 24°49 | T 9 | |
| W10 | 13 15 9 | 20°41'25 | 7°12 | 27°11 | 4°21 | 1°27 | 17° 5 | 22°35 | 27°25 | 9°30 | 11°26 | 18°14 | 16°58 | 27°21 | 24°47 | W10 | |
| T 11 | 13 19 6 | 21°40'24 | 19°36 | 29°15 | 5°19 | 2° 6 | 17° 4 | 22°34 | 27°28 | 9°32 | 11°26 | 18°16 | 16°55 | 27°27 | 24°46 | T 11 | |
| F 12 | 13 23 2 | 22°39'21 | 1°53 | 1°19 | 6°17 | 2°46 | 17°D 4 | 22°33 | 27°31 | 9°35 | 11°26 | 18°18 | 16°52 | 27°34 | 24°44 | F 12 | |
| S 13 | 13 26 59 | 23°38'16 | 13°59 | 3°21 | 7°16 | 3°26 | 17° 4 | 22°31 | 27°34 | 9°37 | 11°25 | 18°R19 | 16°49 | 27°41 | 24°43 | S 13 | |
| S 14 | 13 30 55 | 24°37'09 | 25°57 | 5°23 | 8°15 | 4° 5 | 17° 5 | 22°30 | 27°37 | 9°39 | 11°25 | 18°19 | 16°45 | 27°47 | 24°42 | S 14 | |
| M15 | 13 34 52 | 25°35'59 | 7°50 | 7°22 | 9°15 | 4°45 | 17° 5 | 22°29 | 27°40 | 9°41 | 11°25 | 18°17 | 16°42 | 27°54 | 24°41 | M15 | |
| T 16 | 13 38 49 | 26°34'47 | 19°40 | 9°20 | 10°15 | 5°24 | 17° 6 | 22°27 | 27°43 | 9°44 | 11°25 | 18°13 | 16°39 | 28° 1 | 24°40 | T 16 | |
| W17 | 13 42 45 | 27°33'34 | 1°29 | 11°15 | 11°15 | 6° 4 | 17° 6 | 22°26 | 27°46 | 9°46 | 11°25 | 18° 7 | 16°36 | 28° 7 | 24°39 | W17 | |
| T 18 | 13 46 42 | 28°32'18 | 13°21 | 13° 8 | 12°16 | 6°43 | 17° 7 | 22°24 | 27°49 | 9°48 | 11°24 | 18° 0 | 16°33 | 28°14 | 24°39 | T 18 | |
| F 19 | 13 50 38 | 29°31'01 | 25°15 | 14°57 | 13°17 | 7°23 | 17° 8 | 22°23 | 27°52 | 9°50 | 11°24 | 17°53 | 16°29 | 28°21 | 24°38 | F 19 | |
| S 20 | 13 54 35 | 0°32'42 | 7°15 | 16°43 | 14°18 | 8° 2 | 17°10 | 22°21 | 27°55 | 9°52 | 11°24 | 17°45 | 16°26 | 28°27 | 24°38 | S 20 | |
| S 21 | 13 58 31 | 1°28'21 | 19°21 | 18°26 | 15°20 | 8°42 | 17°11 | 22°19 | 27°59 | 9°54 | 11°24 | 17°38 | 16°23 | 28°34 | 24°37 | S 21 | |
| M22 | 14 2 28 | 2°26'58 | 1°38 | 20° 5 | 16°22 | 9°21 | 17°13 | 22°17 | 28° 2 | 9°57 | 11°24 | 17°32 | 16°20 | 28°41 | 24°37 | M22 | |
| T 23 | 14 6 24 | 3°25'34 | 14° 7 | 21°40 | 17°24 | 10° 0 | 17°15 | 22°15 | 28° 5 | 9°59 | 11°D24 | 17°28 | 16°17 | 28°47 | 24°37 | T 23 | |
| W24 | 14 10 21 | 4°24'08 | 26°53 | 23°10 | 18°26 | 10°40 | 17°17 | 22°13 | 28° 8 | 10° 1 | 11°24 | 17°26 | 16°14 | 28°54 | 24°D37 | W24 | |
| T 25 | 14 14 18 | 5°22'40 | 9°57 | 24°36 | 19°29 | 11°19 | 17°19 | 22°10 | 28°12 | 10° 3 | 11°24 | 17°D26 | 16°10 | 29° 1 | 24°37 | T 25 | |
| F 26 | 14 18 14 | 6°21'11 | 23°25 | 25°58 | 20°32 | 11°58 | 17°22 | 22° 8 | 28°15 | 10° 5 | 11°24 | 17°27 | 16° 7 | 29° 7 | 24°37 | F 26 | |
| S 27 | 14 22 11 | 7°19'40 | 7°18 | 27°15 | 21°36 | 12°38 | 17°24 | 22° 6 | 28°18 | 10° 7 | 11°24 | 17°28 | 16° 4 | 29°14 | 24°38 | S 27 | |
| S 28 | 14 26 7 | 8°18'07 | 21°36 | 28°27 | 22°39 | 13°17 | 17°27 | 22° 3 | 28°22 | 10° 9 | 11°24 | 17°R28 | 16° 1 | 29°21 | 24°38 | S 28 | |
| M29 | 14 30 4 | 9°16'33 | 6°19 | 29°34 | 23°43 | 13°56 | 17°30 | 22° 0 | 28°25 | 10°11 | 11°25 | 17°26 | 15°58 | 29°28 | 24°39 | M29 | |
| T 30 | 14 34 0 | 10°14'57 | 21°21 | 0°36 | 24°47 | 14°35 | 17°33 | 21°58 | 28°28 | 10°13 | 11°25 | 17°23 | 15°54 | 29°34 | 24°39 | T 30 | |

| Day | ☉ | ☾ | | ♂ | | ♀ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|------|-----|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| M 1 | 4n40 | 0n 1 | 0n52 | 2n 8 | 1s26 | 10s51 | 2n 6 | 21s50 | 0s49 | 16n36 | 1n 1 | 21s38 | 1n35 | 19n16 | 0s12 | 2n21 | 1s24 | 23n 9 | 6n 4 | 4s32 | 4s57 | 13s10 | 6n53 | 6s39 | |
| T 2 | 5 3 | 7 12 | 2 11 | 3 2 | 1 19 | 10 40 | 1 59 | 21 44 | 0 50 | 16 37 | 1 1 | 21 38 | 1 35 | 19 17 | 0 12 | 2 22 | 1 24 | 23 9 | 6 4 | 4 32 | 4 59 | 13 13 | 6 54 | 6 38 | |
| W 3 | 5 26 | 14 1 | 3 22 | 3 56 | 1 11 | 10 29 | 1 51 | 21 37 | 0 52 | 16 37 | 1 1 | 21 37 | 1 36 | 19 17 | 0 12 | 2 23 | 1 24 | 23 9 | 6 4 | 4 33 | 5 0 | 13 16 | 6 56 | 6 37 | |
| T 4 | 5 49 | 19 58 | 4 18 | 4 51 | 1 3 | 10 17 | 1 44 | 21 31 | 0 53 | 16 38 | 1 0 | 21 37 | 1 36 | 19 18 | 0 12 | 2 24 | 1 24 | 23 9 | 6 4 | 4 35 | 5 1 | 13 20 | 6 57 | 6 36 | |
| F 5 | 6 12 | 24 35 | 4 55 | 5 46 | 0 54 | 10 5 | 1 37 | 21 24 | 0 54 | 16 38 | 1 0 | 21 37 | 1 36 | 19 19 | 0 12 | 2 24 | 1 24 | 23 9 | 6 4 | 4 36 | 5 2 | 13 23 | 6 59 | 6 36 | |
| S 6 | 6 35 | 27 30 | 5 12 | 6 42 | 0 45 | 9 52 | 1 30 | 21 18 | 0 56 | 16 39 | 1 0 | 21 37 | 1 36 | 19 19 | 0 12 | 2 25 | 1 24 | 23 9 | 6 4 | 4 37 | 5 4 | 13 26 | 7 0 | 6 35 | |
| S 7 | 6 57 | 28 33 | 5 10 | 7 37 | 0 35 | 9 39 | 1 23 | 21 11 | 0 57 | 16 39 | 1 0 | 21 37 | 1 36 | 19 20 | 0 12 | 2 26 | 1 24 | 23 9 | 6 4 | 4 38 | 5 5 | 13 29 | 7 1 | 6 34 | |
| M 8 | 7 20 | 27 47 | 4 50 | 8 33 | 0 25 | 9 25 | 1 16 | 21 4 | 0 59 | 16 39 | 1 0 | 21 37 | 1 36 | 19 21 | 0 12 | 2 27 | 1 24 | 23 9 | 6 4 | 4 39 | 5 6 | 13 32 | 7 2 | 6 33 | |
| T 9 | 7 42 | 25 26 | 4 14 | 9 28 | 0 15 | 9 11 | 1 9 | 20 56 | 1 0 | 16 39 | 1 0 | 21 37 | 1 36 | 19 21 | 0 12 | 2 28 | 1 24 | 23 9 | 6 4 | 4 39 | 5 7 | 13 35 | 7 4 | 6 33 | |
| W10 | 8 4 | 21 50 | 3 27 | 10 23 | 0 4 | 8 57 | 1 2 | 20 49 | 1 1 | 16 39 | 1 0 | 21 37 | 1 36 | 19 22 | 0 12 | 2 29 | 1 24 | 23 9 | 6 4 | 4 39 | 5 9 | 13 38 | 7 5 | 6 32 | |
| T 11 | 8 26 | 17 19 | 2 31 | 11 18 | 0n 6 | 8 42 | 0 55 | 20 41 | 1 3 | 16 39 | 1 0 | 21 36 | 1 36 | 19 23 | 0 12 | 2 30 | 1 24 | 23 9 | 6 4 | 4 38 | 5 10 | 13 41 | 7 6 | 6 31 | |
| F 12 | 8 48 | 12 10 | 1 29 | 12 12 | 0 18 | 8 26 | 0 49 | 20 34 | 1 4 | 16 39 | 1 0 | 21 36 | 1 36 | 19 23 | 0 12 | 2 31 | 1 24 | 23 9 | 6 4 | 4 37 | 5 11 | 13 44 | 7 7 | 6 30 | |
| S 13 | 9 10 | 6 39 | 0 24 | 13 4 | 0 29 | 8 10 | 0 43 | 20 26 | 1 6 | 16 39 | 1 0 | 21 36 | 1 36 | 19 24 | 0 12 | 2 31 | 1 24 | 23 9 | 6 3 | 4 37 | 5 12 | 13 47 | 7 8 | 6 30 | |
| S 14 | 9 32 | 0 58 | 0s42 | 13 56 | 0 40 | 7 54 | 0 36 | 20 18 | 1 7 | 16 39 | 1 0 | 21 36 | 1 36 | 19 25 | 0 12 | 2 32 | 1 24 | 23 9 | 6 3 | 4 37 | 5 13 | 13 50 | 7 10 | 6 29 | |
| M15 | 9 53 | 4s42 | 1 44 | 14 46 | 0 51 | 7 38 | 0 30 | 20 10 | 1 8 | 16 39 | 0 59 | 21 36 | 1 37 | 19 25 | 0 12 | 2 33 | 1 24 | 23 9 | 6 3 | 4 38 | 5 15 | 13 53 | 7 11 | 6 28 | |
| T 16 | 10 15 | 10 11 | 2 42 | 15 34 | 1 2 | 7 21 | 0 24 | 20 2 | 1 10 | 16 38 | 0 59 | 21 36 | 1 37 | 19 26 | 0 12 | 2 34 | 1 24 | 23 9 | 6 3 | 4 39 | 5 16 | 13 56 | 7 12 | 6 27 | |
| W17 | 10 36 | 15 18 | 3 33 | 16 21 | 1 13 | 7 3 | 0 18 | 19 54 | 1 11 | 16 38 | 0 59 | 21 36 | 1 37 | 19 27 | 0 12 | 2 35 | 1 24 | 23 9 | 6 3 | 4 42 | 5 17 | 13 59 | 7 13 | 6 26 | |
| T 18 | 10 57 | 19 52 | 4 15 | 17 6 | 1 24 | 6 46 | 0 12 | 19 45 | 1 13 | 16 38 | 0 59 | 21 35 | 1 37 | 19 28 | 0 12 | 2 36 | 1 24 | 23 9 | 6 3 | 4 44 | 5 18 | 14 2 | 7 14 | 6 26 | |
| F 19 | 11 17 | 23 40 | 4 45 | 17 48 | 1 34 | 6 28 | 0 7 | 19 37 | 1 14 | 16 37 | 0 59 | 21 35 | 1 37 | 19 28 | 0 12 | 2 36 | 1 24 | 23 9 | 6 3 | 4 47 | 5 20 | 14 5 | 7 15 | 6 25 | |
| S 20 | 11 38 | 26 29 | 5 3 | 18 28 | 1 44 | 6 9 | 0 1 | 19 28 | 1 16 | 16 37 | 0 59 | 21 35 | 1 37 | 19 29 | 0 12 | 2 37 | 1 24 | 23 9 | 6 3 | 4 50 | 5 21 | 14 8 | 7 15 | 6 24 | |
| S 21 | 11 58 | 28 7 | 5 8 | 19 6 | 1 53 | 5 51 | 0s 4 | 19 19 | 1 17 | 16 36 | 0 59 | 21 35 | 1 37 | 19 30 | 0 12 | 2 38 | 1 24 | 23 9 | 6 3 | 4 53 | 5 22 | 14 11 | 7 16 | 6 23 | |
| M22 | 12 19 | 28 24 | 4 59 | 19 42 | 2 1 | 5 32 | 0 10 | 19 10 | 1 19 | 16 36 | 0 59 | 21 35 | 1 37 | 19 31 | 0 12 | 2 39 | 1 24 | 23 9 | 6 3 | 4 55 | 5 23 | 14 14 | 7 17 | 6 22 | |
| T 23 | 12 39 | 27 15 | 4 36 | 20 15 | 2 9 | 5 12 | 0 15 | 19 1 | 1 21 | 16 35 | 0 59 | 21 34 | 1 37 | 19 31 | 0 12 | 2 40 | 1 24 | 23 9 | 6 3 | 4 57 | 5 25 | 14 17 | 7 18 | 6 22 | |
| W24 | 12 59 | 24 40 | 3 59 | 20 45 | 2 17 | 4 53 | 0 20 | 18 52 | 1 22 | 16 34 | 0 59 | 21 34 | 1 37 | 19 32 | 0 12 | 2 41 | 1 24 | 23 9 | 6 2 | 4 58 | 5 26 | 14 20 | 7 19 | 6 21 | |
| T 25 | 13 18 | 20 45 | 3 8 | 21 13 | 2 23 | 4 33 | 0 25 | 18 42 | 1 24 | 16 33 | 0 58 | 21 34 | 1 37 | 19 33 | 0 12 | 2 41 | 1 24 | 23 8 | 6 2 | 4 58 | 5 27 | 14 23 | 7 19 | 6 20 | |
| F 26 | 13 38 | 15 41 | 2 6 | 21 38 | 2 29 | 4 12 | 0 30 | 18 33 | 1 25 | 16 33 | 0 58 | 21 34 | 1 37 | 19 33 | 0 12 | 2 42 | 1 24 | 23 8 | 6 2 | 4 57 | 5 28 | 14 26 | 7 20 | 6 19 | |
| S 27 | 13 57 | 9 40 | 0 55 | 22 1 | 2 34 | 3 52 | 0 35 | 18 24 | 1 27 | 16 32 | 0 58 | 21 34 | 1 37 | 19 34 | 0 12 | 2 43 | 1 24 | 23 8 | 6 2 | 4 57 | 5 29 | 14 29 | 7 21 | 6 18 | |
| S 28 | 14 16 | 2 59 | 0n22 | 22 21 | 2 37 | 3 31 | 0 39 | 18 14 | 1 29 | 16 31 | 0 58 | 21 33 | 1 37 | 19 35 | 0 12 | 2 44 | 1 24 | 23 8 | 6 2 | 4 57 | 5 31 | 14 32 | 7 21 | 6 17 | |
| M29 | 14 34 | 4n 2 | 1 40 | 22 39 | 2 40 | 3 10 | 0 44 | 18 4 | 1 30 | 16 30 | 0 58 | 21 33 | 1 37 | 19 36 | 0 12 | 2 45 | 1 24 | 23 8 | 6 2 | 4 57 | 5 32 | 14 35 | 7 22 | 6 17 | |
| T 30 | 14n53 | 10n58 | 2n52 | 22n54 | 2n42 | 2s49 | 0s48 | 17s54 | 1s32 | 16n29 | 0n58 | 21s33 | 1n38 | 19n36 | 0s12 | 2n45 | 1s24 | 23n 8 | 6n 2 | 4s59 | 5s33 | 14s38 | 7n23 | 6s16 | |

ASTRODIENST EPHEMERIS for the year 2193

geocentric

MAY 2193

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| W 1 | 14 37 57 | 11°13'20" | 6°8'35" | 1°11'33" | 25°51'51" | 15°14'14" | 17°03'36" | 21°05'55" | 28°32'32" | 10°15'15" | 11°02'25" | 17°01'17" | 15°51'51" | 29°41'41" | 24°02'40" | W 1 |
| T 2 | 14 41 53 | 12°11'41" | 21°0'50" | 2°25'55" | 26°55'55" | 15°53'53" | 17°40'40" | 21°05'52" | 28°35'35" | 10°17'17" | 11°25'25" | 17°09'09" | 15°48'48" | 29°48'48" | 24°41'41" | T 2 |
| F 3 | 14 45 50 | 13°10'00" | 6°11'55" | 3°12'55" | 28°0'00" | 16°32'32" | 17°43'43" | 21°09'49" | 28°38'38" | 10°19'19" | 11°25'25" | 17°01'01" | 15°45'45" | 29°54'54" | 24°42'42" | F 3 |
| S 4 | 14 49 47 | 14°0'17" | 21°4'22" | 3°53'53" | 29°5'05" | 17°11'11" | 17°47'47" | 21°04'04" | 28°42'42" | 10°21'21" | 11°26'26" | 16°52'52" | 15°42'42" | 0°0'00" | 24°43'43" | S 4 |
| S 5 | 14 53 43 | 15°6'32" | 6°2'22" | 4°29'29" | 0°10'10" | 17°50'50" | 17°51'51" | 21°04'04" | 28°45'45" | 10°23'23" | 11°26'26" | 16°45'45" | 15°39'39" | 0°8'08" | 24°44'44" | S 5 |
| M 6 | 14 57 40 | 16°4'45" | 19°53'53" | 5°0'00" | 1°15'15" | 18°28'28" | 17°55'55" | 21°04'04" | 28°49'49" | 10°25'25" | 11°26'26" | 16°40'40" | 15°35'35" | 0°14'14" | 24°46'46" | M 6 |
| T 7 | 15 1 36 | 17°2'57" | 3°02'15" | 5°26'26" | 2°20'20" | 19°7'07" | 18°0'00" | 21°03'03" | 28°52'52" | 10°27'27" | 11°27'27" | 16°37'37" | 15°32'32" | 0°21'21" | 24°47'47" | T 7 |
| W 8 | 15 5 33 | 18°1'06" | 16°10'10" | 5°46'46" | 3°26'26" | 19°46'46" | 18°4'04" | 21°03'03" | 28°55'55" | 10°29'29" | 11°27'27" | 16°03'03" | 15°29'29" | 0°28'28" | 24°49'49" | W 8 |
| T 9 | 15 9 29 | 18°59'13" | 28°43'43" | 6°0'00" | 4°31'31" | 20°24'24" | 18°9'09" | 21°03'03" | 28°59'59" | 10°31'31" | 11°27'27" | 16°37'37" | 15°26'26" | 0°34'34" | 24°50'50" | T 9 |
| F 10 | 15 13 26 | 19°57'18" | 10°05'57" | 6°10'10" | 5°37'37" | 21°3'03" | 18°14'14" | 21°02'02" | 29°2'02" | 10°33'33" | 11°28'28" | 16°03'03" | 15°23'23" | 0°41'41" | 24°52'52" | F 10 |
| S 11 | 15 17 22 | 20°55'21" | 22°58'58" | 6°14'14" | 6°43'43" | 21°41'41" | 18°18'18" | 21°02'02" | 29°6'06" | 10°35'35" | 11°28'28" | 16°37'37" | 15°20'20" | 0°48'48" | 24°54'54" | S 11 |
| S 12 | 15 21 19 | 21°53'23" | 4°05'51" | 6°13'13" | 7°49'49" | 22°20'20" | 18°24'24" | 21°02'02" | 29°9'09" | 10°36'36" | 11°29'29" | 16°36'36" | 15°16'16" | 0°54'54" | 24°56'56" | S 12 |
| M13 | 15 25 16 | 22°51'23" | 16°40'40" | 6°7'07" | 8°55'55" | 22°58'58" | 18°29'29" | 21°01'01" | 29°13'13" | 10°38'38" | 11°29'29" | 16°32'32" | 15°13'13" | 1°0'00" | 24°58'58" | M13 |
| T 14 | 15 29 12 | 23°49'20" | 28°28'28" | 5°57'57" | 10°2'02" | 23°36'36" | 18°34'34" | 21°01'01" | 29°16'16" | 10°40'40" | 11°30'30" | 16°25'25" | 15°10'10" | 1°8'08" | 25°0'00" | T 14 |
| W15 | 15 33 9 | 24°47'17" | 10°05'19" | 5°42'42" | 11°8'08" | 24°15'15" | 18°40'40" | 21°0'00" | 29°20'20" | 10°42'42" | 11°30'30" | 16°16'16" | 15°7'07" | 1°14'14" | 25°2'02" | W15 |
| T 16 | 15 37 5 | 25°45'11" | 22°15'15" | 5°23'23" | 12°15'15" | 24°53'53" | 18°46'46" | 21°5'05" | 29°23'23" | 10°43'43" | 11°31'31" | 16°4'04" | 15°4'04" | 1°21'21" | 25°5'05" | T 16 |
| F 17 | 15 41 2 | 26°43'05" | 4°07'17" | 5°0'00" | 13°22'22" | 25°31'31" | 18°51'51" | 21°2'02" | 29°27'27" | 10°45'45" | 11°32'32" | 15°52'52" | 15°0'00" | 1°28'28" | 25°7'07" | F 17 |
| S 18 | 15 44 58 | 27°40'56" | 16°26'26" | 4°34'34" | 14°29'29" | 26°9'09" | 18°57'57" | 20°58'58" | 29°30'30" | 10°47'47" | 11°32'32" | 15°39'39" | 14°57'57" | 1°35'35" | 25°10'10" | S 18 |
| S 19 | 15 48 55 | 28°38'47" | 28°43'43" | 4°5'05" | 15°36'36" | 26°47'47" | 19°4'04" | 20°54'54" | 29°34'34" | 10°49'49" | 11°33'33" | 15°27'27" | 14°54'54" | 1°41'41" | 25°12'12" | S 19 |
| M20 | 15 52 51 | 29°36'36" | 11°03'03" | 3°33'33" | 16°43'43" | 27°25'25" | 19°10'10" | 20°50'50" | 29°37'37" | 10°50'50" | 11°34'34" | 15°18'18" | 14°51'51" | 1°48'48" | 25°15'15" | M20 |
| T 21 | 15 56 48 | 0°11'34" | 23°47'47" | 3°0'00" | 17°51'51" | 28°2'02" | 19°16'16" | 20°46'46" | 29°41'41" | 10°52'52" | 11°34'34" | 15°10'10" | 14°48'48" | 1°55'55" | 25°18'18" | T 21 |
| W22 | 16 0 45 | 1°32'11" | 6°03'38" | 2°26'26" | 18°58'58" | 28°40'40" | 19°23'23" | 20°42'42" | 29°44'44" | 10°53'53" | 11°35'35" | 15°6'06" | 14°45'45" | 2°0'00" | 25°21'21" | W22 |
| T 23 | 16 4 41 | 2°29'56" | 19°44'44" | 1°51'51" | 20°6'06" | 29°18'18" | 19°30'30" | 20°38'38" | 29°48'48" | 10°55'55" | 11°36'36" | 15°3'03" | 14°41'41" | 2°8'08" | 25°24'24" | T 23 |
| F 24 | 16 8 38 | 3°27'41" | 3°08'08" | 1°17'17" | 21°13'13" | 29°55'55" | 19°36'36" | 20°34'34" | 29°51'51" | 10°57'57" | 11°37'37" | 15°03'03" | 14°38'38" | 2°15'15" | 25°27'27" | F 24 |
| S 25 | 16 12 34 | 4°25'24" | 16°53'53" | 0°43'43" | 22°21'21" | 0°03'03" | 19°43'43" | 20°29'29" | 29°55'55" | 10°58'58" | 11°38'38" | 15°03'03" | 14°35'35" | 2°21'21" | 25°30'30" | S 25 |
| S 26 | 16 16 31 | 5°23'06" | 0°05'59" | 0°10'10" | 23°29'29" | 1°10'10" | 19°50'50" | 20°25'25" | 29°58'58" | 11°0'00" | 11°38'38" | 15°2'02" | 14°32'32" | 2°28'28" | 25°34'34" | S 26 |
| M27 | 16 20 27 | 6°20'47" | 15°26'26" | 29°03'03" | 24°37'37" | 1°47'47" | 19°58'58" | 20°21'21" | 0°02'02" | 11°1'01" | 11°39'39" | 15°0'00" | 14°29'29" | 2°35'35" | 25°37'37" | M27 |
| T 28 | 16 24 24 | 7°18'28" | 0°08'12" | 29°10'10" | 25°45'45" | 2°24'24" | 20°5'05" | 20°17'17" | 0°5'05" | 11°3'03" | 11°40'40" | 14°55'55" | 14°26'26" | 2°41'41" | 25°41'41" | T 28 |
| W29 | 16 28 20 | 8°16'07" | 15°11'11" | 28°45'45" | 26°54'54" | 3°1'01" | 20°13'13" | 20°13'13" | 0°9'09" | 11°4'04" | 11°41'41" | 14°47'47" | 14°22'22" | 2°48'48" | 25°44'44" | W29 |
| T 30 | 16 32 17 | 9°13'46" | 0°01'15" | 28°22'22" | 28°2'02" | 3°38'38" | 20°20'20" | 20°8'08" | 0°12'12" | 11°5'05" | 11°42'42" | 14°37'37" | 14°19'19" | 2°55'55" | 25°48'48" | T 30 |
| F 31 | 16 36 14 | 10°11'23" | 15°11'13" | 28°03'03" | 29°01'01" | 4°01'01" | 20°02'02" | 20°02'02" | 0°02'02" | 11°7'07" | 11°43'43" | 14°03'03" | 14°03'03" | 3°01'01" | 25°52'52" | F 31 |

| Day | ☉ | ☾ | | ♀ | | ♀ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | |
|------|-------|-------|------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|------|-----|------|-----|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| W 1 | 15n11 | 17n21 | 3n52 | 23n 7 | 2n43 | 2s27 | 0s53 | 17s44 | 1s33 | 16n28 | 0n58 | 21s33 | 1n38 | 19n37 | 0s12 | 2n46 | 1s24 | 23n 8 | 6n 2 | 5s 1 | 5s34 | 14s41 | 7n23 | 6s15 | | | |
| T 2 | 15 29 | 22 39 | 4 36 | 23 17 | 2 43 | 2 6 | 0 57 | 17 34 | 1 35 | 16 27 | 0 58 | 21 33 | 1 38 | 19 38 | 0 12 | 2 47 | 1 24 | 23 8 | 6 2 | 5 4 | 5 36 | 14 44 | 7 24 | 6 14 | | | |
| F 3 | 15 47 | 26 23 | 5 1 | 23 25 | 2 42 | 1 44 | 1 1 | 17 24 | 1 37 | 16 25 | 0 58 | 21 32 | 1 38 | 19 39 | 0 12 | 2 48 | 1 24 | 23 7 | 6 2 | 5 7 | 5 37 | 14 47 | 7 24 | 6 13 | | | |
| S 4 | 16 4 | 28 13 | 5 4 | 23 31 | 2 39 | 1 21 | 1 5 | 17 14 | 1 38 | 16 24 | 0 58 | 21 32 | 1 38 | 19 40 | 0 12 | 2 48 | 1 24 | 23 7 | 6 2 | 5 11 | 5 38 | 14 50 | 7 25 | 6 12 | | | |
| S 5 | 16 21 | 28 5 | 4 48 | 23 34 | 2 36 | 0 59 | 1 9 | 17 4 | 1 40 | 16 23 | 0 58 | 21 32 | 1 38 | 19 40 | 0 12 | 2 49 | 1 24 | 23 7 | 6 1 | 5 13 | 5 39 | 14 53 | 7 25 | 6 12 | | | |
| M 6 | 16 38 | 26 10 | 4 16 | 23 35 | 2 31 | 0 37 | 1 12 | 16 53 | 1 42 | 16 21 | 0 57 | 21 32 | 1 38 | 19 41 | 0 12 | 2 50 | 1 24 | 23 7 | 6 1 | 5 15 | 5 41 | 14 56 | 7 25 | 6 11 | | | |
| T 7 | 16 55 | 22 49 | 3 30 | 23 34 | 2 25 | 0 14 | 1 16 | 16 43 | 1 44 | 16 20 | 0 57 | 21 31 | 1 38 | 19 42 | 0 12 | 2 51 | 1 24 | 23 7 | 6 1 | 5 16 | 5 42 | 14 59 | 7 26 | 6 10 | | | |
| W 8 | 17 11 | 18 27 | 2 35 | 23 31 | 2 18 | 0n 9 | 1 19 | 16 32 | 1 45 | 16 18 | 0 57 | 21 31 | 1 38 | 19 43 | 0 12 | 2 51 | 1 24 | 23 6 | 6 1 | 5 17 | 5 43 | 15 2 | 7 26 | 6 9 | | | |
| T 9 | 17 27 | 13 23 | 1 34 | 23 25 | 2 10 | 0 32 | 1 23 | 16 22 | 1 47 | 16 17 | 0 57 | 21 31 | 1 38 | 19 43 | 0 12 | 2 52 | 1 24 | 23 6 | 6 1 | 5 17 | 5 44 | 15 5 | 7 26 | 6 8 | | | |
| F 10 | 17 43 | 7 55 | 0 30 | 23 18 | 2 1 | 0 55 | 1 26 | 16 11 | 1 49 | 16 15 | 0 57 | 21 31 | 1 38 | 19 44 | 0 12 | 2 53 | 1 24 | 23 6 | 6 1 | 5 16 | 5 45 | 15 8 | 7 26 | 6 8 | | | |
| S 11 | 17 58 | 2 16 | 0s34 | 23 8 | 1 50 | 1 18 | 1 29 | 16 0 | 1 51 | 16 14 | 0 57 | 21 31 | 1 38 | 19 45 | 0 12 | 2 53 | 1 24 | 23 6 | 6 1 | 5 17 | 5 47 | 15 11 | 7 27 | 6 7 | | | |
| S 12 | 18 13 | 3s23 | 1 36 | 22 57 | 1 39 | 1 41 | 1 32 | 15 50 | 1 52 | 16 12 | 0 57 | 21 30 | 1 38 | 19 46 | 0 12 | 2 54 | 1 24 | 23 6 | 6 1 | 5 17 | 5 48 | 15 14 | 7 27 | 6 6 | | | |
| M13 | 18 28 | 8 54 | 2 33 | 22 43 | 1 26 | 2 5 | 1 35 | 15 39 | 1 54 | 16 10 | 0 57 | 21 30 | 1 38 | 19 46 | 0 12 | 2 55 | 1 24 | 23 5 | 6 1 | 5 19 | 5 49 | 15 17 | 7 27 | 6 5 | | | |
| T 14 | 18 43 | 14 5 | 3 23 | 22 28 | 1 12 | 2 28 | 1 38 | 15 28 | 1 56 | 16 9 | 0 57 | 21 30 | 1 38 | 19 47 | 0 12 | 2 55 | 1 24 | 23 5 | 6 1 | 5 21 | 5 50 | 15 20 | 7 27 | 6 4 | | | |
| W15 | 18 57 | 18 46 | 4 5 | 22 11 | 0 58 | 2 52 | 1 40 | 15 17 | 1 58 | 16 7 | 0 57 | 21 30 | 1 38 | 19 48 | 0 12 | 2 56 | 1 25 | 23 5 | 6 1 | 5 25 | 5 52 | 15 22 | 7 27 | 6 3 | | | |
| T 16 | 19 11 | 22 45 | 4 36 | 21 53 | 0 43 | 3 16 | 1 43 | 15 6 | 2 0 | 16 5 | 0 56 | 21 29 | 1 38 | 19 49 | 0 12 | 2 57 | 1 25 | 23 4 | 6 0 | 5 29 | 5 53 | 15 25 | 7 27 | 6 3 | | | |
| F 17 | 19 24 | 25 49 | 4 55 | 21 33 | 0 26 | 3 39 | 1 45 | 14 55 | 2 2 | 16 3 | 0 56 | 21 29 | 1 38 | 19 49 | 0 12 | 2 57 | 1 25 | 23 4 | 6 0 | 5 34 | 5 54 | 15 28 | 7 27 | 6 2 | | | |
| S 18 | 19 37 | 27 43 | 5 1 | 21 11 | 0 10 | 4 3 | 1 47 | 14 44 | 2 3 | 16 1 | 0 56 | 21 29 | 1 38 | 19 50 | 0 12 | 2 58 | 1 25 | 23 4 | 6 0 | 5 39 | 5 55 | 15 31 | 7 27 | 6 1 | | | |
| S 19 | 19 50 | 28 18 | 4 53 | 20 49 | 0s 7 | 4 27 | 1 49 | 14 32 | 2 5 | 15 59 | 0 56 | 21 28 | 1 38 | 19 51 | 0 12 | 2 59 | 1 25 | 23 4 | 6 0 | 5 44 | 5 56 | 15 34 | 7 27 | 6 0 | | | |
| M20 | 20 3 | 27 27 | 4 32 | 20 26 | 0 25 | 4 51 | 1 51 | 14 21 | 2 7 | 15 57 | 0 56 | 21 28 | 1 38 | 19 52 | 0 12 | 2 59 | 1 25 | 23 4 | 6 0 | 5 47 | 5 58 | 15 37 | 7 26 | 5 59 | | | |
| T 21 | 20 15 | 25 12 | 3 56 | 20 3 | 0 42 | 5 15 | 1 53 | 14 10 | 2 9 | 15 55 | 0 56 | 21 28 | 1 38 | 19 52 | 0 12 | 3 0 | 1 25 | 23 3 | 6 0 | 5 50 | 5 59 | 15 40 | 7 26 | 5 59 | | | |
| W22 | 20 27 | 21 38 | 3 8 | 19 39 | 1 0 | 5 39 | 1 55 | 13 58 | 2 11 | 15 53 | 0 56 | 21 28 | 1 38 | 19 53 | 0 12 | 3 0 | 1 25 | 23 3 | 6 0 | 5 52 | 6 0 | 15 43 | 7 26 | 5 58 | | | |
| T 23 | 20 38 | 16 56 | 2 10 | 19 15 | 1 17 | 6 3 | 1 57 | 13 47 | 2 13 | 15 51 | 0 56 | 21 27 | 1 38 | 19 54 | 0 12 | 3 1 | 1 25 | 23 3 | 6 0 | 5 53 | 6 1 | 15 46 | 7 26 | 5 57 | | | |
| F 24 | 20 50 | 11 19 | 1 3 | 18 51 | 1 35 | 6 26 | 1 58 | 13 36 | 2 15 | 15 48 | 0 56 | 21 27 | 1 38 | 19 55 | 0 12 | 3 1 | 1 25 | 23 2 | 6 0 | 5 53 | 6 3 | 15 49 | 7 26 | 5 56 | | | |
| S 25 | 21 0 | 5 2 | 0n10 | 18 28 | 1 51 | 6 50 | 2 0 | 13 24 | 2 17 | 15 46 | 0 56 | 21 27 | 1 38 | 19 55 | 0 12 | 3 2 | 1 25 | 23 2 | 6 0 | 5 53 | 6 4 | 15 52 | 7 25 | 5 56 | | | |
| S 26 | 21 11 | 1n40 | 1 23 | 18 6 | 2 7 | 7 14 | 2 1 | 13 13 | 2 19 | 15 44 | 0 56 | 21 27 | 1 38 | 19 56 | 0 12 | 3 3 | 1 25 | 23 2 | 6 0 | 5 53 | 6 5 | 15 54 | 7 25 | 5 55 | | | |
| M27 | 21 21 | 8 26 | 2 33 | 17 44 | 2 22 | 7 38 | 2 3 | 13 1 | 2 21 | 15 41 | 0 56 | 21 26 | 1 38 | 19 57 | 0 12 | 3 3 | 1 25 | 23 1 | 6 0 | 5 54 | 6 6 | 15 57 | 7 24 | 5 54 | | | |
| T 28 | 21 31 | 14 52 | 3 34 | 17 24 | 2 37 | 8 1 | 2 4 | 12 50 | 2 23 | 15 39 | 0 55 | 21 26 | 1 38 | 19 58 | 0 12 | 3 4 | 1 25 | 23 1 | 5 59 | 5 56 | 6 8 | 16 0 | 7 24 | 5 53 | | | |
| W29 | 21 40 | 20 32 | 4 22 | 17 6 | 2 50 | 8 25 | 2 5 | 12 38 | 2 25 | 15 37 | 0 55 | 21 26 | 1 38 | 19 58 | 0 12 | 3 4 | 1 25 | 23 1 | 5 59 | 5 59 | 6 9 | 16 3 | 7 23 | 5 52 | | | |
| T 30 | 21 49 | 24 55 | 4 51 | 16 49 | 3 2 | 8 48 | 2 6 | 12 27 | 2 27 | 15 34 | 0 55 | 21 25 | 1 38 | 19 59 | 0 12 | 3 5 | 1 25 | 23 0 | 5 59 | 6 3 | 6 10 | 16 6 | 7 23 | 5 52 | | | |
| F 31 | 21n57 | 27n34 | 5n 0 | 16n33 | 3s14 | 9n12 | 2s 7 | 12s15 | 2s29 | 15n32 | 0n55 | 21s25 | 1n38 | 20n 0 | 0s12 | 3n 5 | 1s25 | 23n 0 | 5n59 | 6s 7 | 6s11 | 16s 9 | 7n22 | 5s51 | | | |

ASTRODIENST EPHEMERIS for the year 2193
geocentric

JUNE 2193

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|--------|--------|-------|-------|-------|--------|------|--------|-------|--------|-------|------|-------|------|
| S 1 | 16 40 10 | 11Ⅱ 8'59 | 29Ⅱ57 | 27°R47 | 0819 | 4Ⅰ51 | 20Ⅱ36 | 20°R 0 | 0Ⅱ19 | 11°V 8 | 11Ⅱ44 | 14°R15 | 14Ⅰ13 | 3Ⅲ 8 | 25Ⅱ56 | S 1 |
| S 2 | 16 44 7 | 12° 6'34 | 14Ⅱ19 | 27Ⅰ36 | 1°28 | 5°27 | 20°44 | 19°Ⅰ55 | 0°22 | 11°10 | 11°45 | 14Ⅰ6 | 14°10 | 3°15 | 26° 0 | S 2 |
| M 3 | 16 48 3 | 13° 4'08 | 28°14 | 27°28 | 2°36 | 6° 4 | 20°52 | 19°51 | 0°26 | 11°11 | 11°46 | 13°58 | 14° 6 | 3°22 | 26° 4 | M 3 |
| T 4 | 16 52 0 | 14° 1'40 | 11Ⅱ40 | 27°D26 | 3°45 | 6°40 | 21° 0 | 19°46 | 0°29 | 11°12 | 11°47 | 13°53 | 14° 3 | 3°28 | 26° 8 | T 4 |
| W 5 | 16 55 56 | 14°59'11 | 24°39 | 27°27 | 4°54 | 7°16 | 21° 9 | 19°42 | 0°33 | 11°13 | 11°48 | 13°51 | 14° 0 | 3°35 | 26°13 | W 5 |
| T 6 | 16 59 53 | 15°56'41 | 7Ⅲ14 | 27°33 | 6° 3 | 7°52 | 21°17 | 19°38 | 0°36 | 11°15 | 11°49 | 13°50 | 13°57 | 3°42 | 26°17 | T 6 |
| F 7 | 17 3 50 | 16°54'09 | 19°29 | 27°44 | 7°12 | 8°27 | 21°26 | 19°33 | 0°40 | 11°16 | 11°50 | 13°50 | 13°54 | 3°48 | 26°21 | F 7 |
| S 8 | 17 7 46 | 17°51'36 | 1Ⅱ31 | 27°59 | 8°21 | 9° 3 | 21°34 | 19°29 | 0°43 | 11°17 | 11°51 | 13°49 | 13°51 | 3°55 | 26°26 | S 8 |
| S 9 | 17 11 43 | 18°49'02 | 13°24 | 28°18 | 9°30 | 9°39 | 21°43 | 19°24 | 0°46 | 11°18 | 11°52 | 13°47 | 13°47 | 4° 2 | 26°31 | S 9 |
| M10 | 17 15 39 | 19°46'27 | 25°13 | 28°42 | 10°39 | 10°14 | 21°52 | 19°20 | 0°50 | 11°19 | 11°54 | 13°43 | 13°44 | 4° 8 | 26°35 | M10 |
| T 11 | 17 19 36 | 20°43'51 | 7Ⅲ 3 | 29°10 | 11°49 | 10°49 | 22° 1 | 19°15 | 0°53 | 11°20 | 11°55 | 13°37 | 13°41 | 4°15 | 26°40 | T 11 |
| W12 | 17 23 32 | 21°41'14 | 18°58 | 29°42 | 12°58 | 11°24 | 22°10 | 19°11 | 0°56 | 11°21 | 11°56 | 13°27 | 13°38 | 4°22 | 26°45 | W12 |
| T 13 | 17 27 29 | 22°38'35 | 0Ⅰ59 | 0Ⅱ19 | 14° 8 | 11°59 | 22°19 | 19° 7 | 1° 0 | 11°22 | 11°57 | 13°16 | 13°35 | 4°28 | 26°50 | T 13 |
| F 14 | 17 31 25 | 23°35'57 | 13°10 | 0°59 | 15°17 | 12°33 | 22°29 | 19° 2 | 1° 3 | 11°23 | 11°58 | 13° 3 | 13°32 | 4°35 | 26°55 | F 14 |
| S 15 | 17 35 22 | 24°33'17 | 25°31 | 1°44 | 16°27 | 13° 8 | 22°38 | 18°58 | 1° 6 | 11°24 | 12° 0 | 12°50 | 13°28 | 4°42 | 27° 0 | S 15 |
| S 16 | 17 39 19 | 25°30'36 | 8Ⅲ 3 | 2°33 | 17°36 | 13°42 | 22°48 | 18°53 | 1° 9 | 11°25 | 12° 1 | 12°38 | 13°25 | 4°49 | 27° 5 | S 16 |
| M17 | 17 43 15 | 26°27'55 | 20°46 | 3°25 | 18°46 | 14°16 | 22°57 | 18°49 | 1°13 | 11°26 | 12° 2 | 12°28 | 13°22 | 4°55 | 27°11 | M17 |
| T 18 | 17 47 12 | 27°25'14 | 3Ⅲ40 | 4°22 | 19°56 | 14°50 | 23° 7 | 18°45 | 1°16 | 11°27 | 12° 4 | 12°20 | 13°19 | 5° 2 | 27°16 | T 18 |
| W19 | 17 51 8 | 28°22'32 | 16°45 | 5°22 | 21° 6 | 15°24 | 23°17 | 18°40 | 1°19 | 11°28 | 12° 5 | 12°15 | 13°16 | 5° 9 | 27°21 | W19 |
| T 20 | 17 55 5 | 29°19'49 | 0Ⅰ 2 | 6°25 | 22°16 | 15°57 | 23°27 | 18°36 | 1°22 | 11°29 | 12° 6 | 12°13 | 13°12 | 5°15 | 27°27 | T 20 |
| F 21 | 17 59 1 | 0Ⅱ17'06 | 13°33 | 7°32 | 23°26 | 16°31 | 23°37 | 18°32 | 1°26 | 11°29 | 12° 8 | 12°D12 | 13° 9 | 5°22 | 27°32 | F 21 |
| S 22 | 18 2 58 | 1°14'23 | 27°17 | 8°43 | 24°36 | 17° 4 | 23°47 | 18°27 | 1°29 | 11°30 | 12° 9 | 12°R13 | 13° 6 | 5°29 | 27°38 | S 22 |
| S 23 | 18 6 54 | 2°11'40 | 11°V17 | 9°57 | 25°46 | 17°37 | 23°57 | 18°23 | 1°32 | 11°31 | 12°10 | 12°12 | 13° 3 | 5°35 | 27°44 | S 23 |
| M24 | 18 10 51 | 3° 8'56 | 25°32 | 11°15 | 26°56 | 18° 9 | 24° 7 | 18°19 | 1°35 | 11°31 | 12°12 | 12°11 | 13° 0 | 5°42 | 27°50 | M24 |
| T 25 | 18 14 48 | 4° 6'13 | 10Ⅲ 0 | 12°36 | 28° 7 | 18°42 | 24°18 | 18°15 | 1°38 | 11°32 | 12°13 | 12° 7 | 12°57 | 5°49 | 27°56 | T 25 |
| W26 | 18 18 44 | 5° 3'29 | 24°37 | 14° 0 | 29°17 | 19°14 | 24°28 | 18°10 | 1°41 | 11°33 | 12°15 | 12° 0 | 12°53 | 5°55 | 28° 1 | W26 |
| T 27 | 18 22 41 | 6° 0'45 | 9Ⅱ19 | 15°28 | 0Ⅱ27 | 19°46 | 24°39 | 18° 6 | 1°44 | 11°33 | 12°16 | 11°52 | 12°50 | 6° 2 | 28° 7 | T 27 |
| F 28 | 18 26 37 | 6°58'01 | 23°56 | 16°59 | 1°38 | 20°17 | 24°49 | 18° 2 | 1°47 | 11°34 | 12°18 | 11°42 | 12°47 | 6° 9 | 28°14 | F 28 |
| S 29 | 18 30 34 | 7°55'17 | 8Ⅱ24 | 18°34 | 2°48 | 20°48 | 25° 0 | 17°58 | 1°50 | 11°34 | 12°19 | 11°32 | 12°44 | 6°16 | 28°20 | S 29 |
| S 30 | 18 34 30 | 8Ⅱ52'33 | 22Ⅱ33 | 20Ⅱ11 | 3Ⅱ59 | 21Ⅰ19 | 25Ⅱ11 | 17°Ⅰ54 | 1Ⅱ53 | 11°V35 | 12Ⅱ21 | 11Ⅰ24 | 12Ⅰ41 | 6Ⅲ22 | 28Ⅱ26 | S 30 |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|-------|------------|------------|------------|------------|------------|------------|------------|-----------|------------|-----------|------------|----------|----------|----------|----------|
| | decl | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat |
| S 1 | 22n 6 | 28n14 4n49 | 16n20 3s24 | 9n35 2s 7 | 12s 4 2s31 | 15n29 0n55 | 21s25 1n38 | 20n 1 0s12 | 3n 6 1s25 | 23n 0 5n59 | 6s11 6s12 | 16s12 7n22 | 5s50 | | | |
| S 2 | 22 13 | 26 57 4 20 | 16 9 3 33 | 9 58 2 8 | 11 52 2 33 | 15 26 0 55 | 21 25 1 38 | 20 1 0 12 | 3 6 1 25 | 22 59 5 59 | 6 15 6 14 | 16 14 7 21 | 5 49 | | | |
| M 3 | 22 21 | 24 1 3 36 | 16 0 3 40 | 10 21 2 8 | 11 41 2 35 | 15 24 0 55 | 21 24 1 38 | 20 2 0 12 | 3 7 1 25 | 22 59 5 59 | 6 18 6 15 | 16 17 7 21 | 5 49 | | | |
| T 4 | 22 28 | 19 51 2 41 | 15 53 3 47 | 10 44 2 9 | 11 29 2 37 | 15 21 0 55 | 21 24 1 38 | 20 3 0 12 | 3 7 1 25 | 22 59 5 59 | 6 20 6 16 | 16 20 7 20 | 5 48 | | | |
| W 5 | 22 34 | 14 52 1 40 | 15 48 3 52 | 11 7 2 9 | 11 18 2 39 | 15 18 0 55 | 21 24 1 38 | 20 3 0 12 | 3 7 1 25 | 22 58 5 59 | 6 21 6 17 | 16 23 7 19 | 5 47 | | | |
| T 6 | 22 41 | 9 23 0 35 | 15 45 3 56 | 11 29 2 9 | 11 6 2 41 | 15 15 0 55 | 21 23 1 37 | 20 4 0 12 | 3 8 1 26 | 22 58 5 59 | 6 21 6 19 | 16 26 7 18 | 5 46 | | | |
| F 7 | 22 46 | 3 42 0s30 | 15 45 3 59 | 11 52 2 9 | 10 55 2 43 | 15 13 0 55 | 21 23 1 37 | 20 5 0 12 | 3 8 1 26 | 22 58 5 59 | 6 21 6 20 | 16 29 7 18 | 5 46 | | | |
| S 8 | 22 52 | 2s 1 1 32 | 15 46 4 1 | 12 14 2 9 | 10 43 2 45 | 15 10 0 55 | 21 23 1 37 | 20 6 0 11 | 3 9 1 26 | 22 57 5 59 | 6 21 6 21 | 16 32 7 17 | 5 45 | | | |
| S 9 | 22 57 | 7 35 2 30 | 15 50 4 2 | 12 36 2 9 | 10 32 2 48 | 15 7 0 55 | 21 23 1 37 | 20 6 0 11 | 3 9 1 26 | 22 57 5 59 | 6 22 6 22 | 16 34 7 16 | 5 44 | | | |
| M10 | 23 1 | 12 51 3 20 | 15 55 4 2 | 12 58 2 9 | 10 21 2 50 | 15 4 0 54 | 21 22 1 37 | 20 7 0 11 | 3 10 1 26 | 22 56 5 59 | 6 24 6 23 | 16 37 7 15 | 5 44 | | | |
| T 11 | 23 6 | 17 40 4 2 | 16 2 4 1 | 13 19 2 9 | 10 9 2 52 | 15 1 0 54 | 21 22 1 37 | 20 8 0 11 | 3 10 1 26 | 22 56 5 59 | 6 26 6 25 | 16 40 7 14 | 5 43 | | | |
| W12 | 23 9 | 21 49 4 34 | 16 11 3 59 | 13 40 2 9 | 9 58 2 54 | 14 58 0 54 | 21 22 1 37 | 20 8 0 11 | 3 10 1 26 | 22 56 5 59 | 6 30 6 26 | 16 43 7 13 | 5 42 | | | |
| T 13 | 23 13 | 25 7 4 53 | 16 21 3 56 | 14 1 2 8 | 9 47 2 56 | 14 55 0 54 | 21 22 1 37 | 20 9 0 11 | 3 11 1 26 | 22 55 5 58 | 6 34 6 27 | 16 46 7 12 | 5 42 | | | |
| F 14 | 23 16 | 27 19 5 0 | 16 33 3 52 | 14 22 2 8 | 9 35 2 58 | 14 52 0 54 | 21 21 1 37 | 20 10 0 11 | 3 11 1 26 | 22 55 5 58 | 6 39 6 28 | 16 48 7 11 | 5 41 | | | |
| S 15 | 23 18 | 28 13 4 53 | 16 47 3 47 | 14 43 2 7 | 9 24 3 1 | 14 49 0 54 | 21 21 1 37 | 20 10 0 11 | 3 11 1 26 | 22 54 5 58 | 6 44 6 29 | 16 51 7 10 | 5 40 | | | |
| S 16 | 23 20 | 27 42 4 32 | 17 1 3 42 | 15 3 2 6 | 9 13 3 3 | 14 45 0 54 | 21 21 1 37 | 20 11 0 11 | 3 12 1 26 | 22 54 5 58 | 6 49 6 31 | 16 54 7 9 | 5 40 | | | |
| M17 | 23 22 | 25 43 3 57 | 17 17 3 36 | 15 23 2 5 | 9 2 3 5 | 14 42 0 54 | 21 20 1 37 | 20 12 0 11 | 3 12 1 26 | 22 54 5 58 | 6 53 6 32 | 16 57 7 8 | 5 39 | | | |
| T 18 | 23 23 | 22 23 3 9 | 17 34 3 29 | 15 42 2 5 | 8 51 3 7 | 14 39 0 54 | 21 20 1 37 | 20 12 0 11 | 3 12 1 26 | 22 53 5 58 | 6 56 6 33 | 17 0 7 6 | 5 38 | | | |
| W19 | 23 24 | 17 53 2 11 | 17 52 3 21 | 16 2 2 4 | 8 40 3 9 | 14 36 0 54 | 21 20 1 36 | 20 13 0 11 | 3 12 1 26 | 22 53 5 58 | 6 57 6 34 | 17 2 7 5 | 5 38 | | | |
| T 20 | 23 25 | 12 27 1 4 | 18 11 3 13 | 16 21 2 3 | 8 29 3 12 | 14 32 0 54 | 21 20 1 36 | 20 14 0 11 | 3 13 1 26 | 22 52 5 58 | 6 58 6 36 | 17 5 7 4 | 5 37 | | | |
| F 21 | 23 25 | 6 21 0n 7 | 18 31 3 5 | 16 39 2 1 | 8 18 3 14 | 14 29 0 54 | 21 19 1 36 | 20 14 0 11 | 3 13 1 26 | 22 52 5 58 | 6 59 6 37 | 17 8 7 3 | 5 36 | | | |
| S 22 | 23 25 | 0n 8 1 19 | 18 51 2 56 | 16 57 2 0 | 8 7 3 16 | 14 26 0 54 | 21 19 1 36 | 20 15 0 11 | 3 13 1 26 | 22 51 5 58 | 6 58 6 38 | 17 11 7 1 | 5 36 | | | |
| S 23 | 23 24 | 6 44 2 28 | 19 11 2 46 | 17 15 1 59 | 7 56 3 18 | 14 22 0 54 | 21 19 1 36 | 20 16 0 11 | 3 13 1 26 | 22 51 5 58 | 6 59 6 39 | 17 13 7 0 | 5 35 | | | |
| M24 | 23 23 | 13 6 3 29 | 19 32 2 36 | 17 33 1 58 | 7 46 3 21 | 14 19 0 54 | 21 19 1 36 | 20 16 0 11 | 3 14 1 26 | 22 51 5 58 | 6 59 6 40 | 17 16 6 59 | 5 34 | | | |
| T 25 | 23 21 | 18 52 4 17 | 19 53 2 25 | 17 50 1 56 | 7 35 3 23 | 14 15 0 54 | 21 18 1 36 | 20 17 0 11 | 3 14 1 26 | 22 50 5 58 | 7 1 6 42 | 17 19 6 57 | 5 34 | | | |
| W26 | 23 19 | 23 35 4 49 | 20 14 2 15 | 18 7 1 55 | 7 24 3 25 | 14 12 0 54 | 21 18 1 36 | 20 18 0 11 | 3 14 1 27 | 22 50 5 58 | 7 3 6 43 | 17 22 6 56 | 5 33 | | | |
| T 27 | 23 17 | 26 48 5 2 | 20 35 2 3 | 18 23 1 53 | 7 14 3 28 | 14 8 0 54 | 21 18 1 36 | 20 18 0 11 | 3 14 1 27 | 22 49 5 58 | 7 6 6 44 | 17 25 6 54 | 5 33 | | | |
| F 28 | 23 14 | 28 12 4 56 | 20 55 1 52 | 18 39 1 52 | 7 4 3 30 | 14 5 0 53 | 21 18 1 35 | 20 19 0 11 | 3 14 1 27 | 22 49 5 58 | 7 10 6 45 | 17 27 6 53 | 5 32 | | | |
| S 29 | 23 11 | 27 39 4 31 | 21 16 1 40 | 18 54 1 50 | 6 54 3 32 | 14 1 0 53 | 21 17 1 35 | 20 19 0 11 | 3 15 1 27 | 22 48 5 58 | 7 14 6 46 | 17 30 6 51 | 5 31 | | | |
| S 30 | 23n 7 | 25n18 3n49 | 21n35 1s28 | 19n 9 1s48 | 6s43 3s35 | 13n57 0n53 | 21s17 1n35 | 20n20 0s11 | 3n15 1s27 | 22n48 5n58 | 7s17 6s48 | 17s33 6n50 | 5s31 | | | |

Julian Day Number = 2522188.5, Delta T = 156.70 sec
Ecliptic obliquity = 23°24'59, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°26'35, Lahiri = 26°33'36

ASTRODIENST EPHEMERIS for the year 2193

geocentric

JULY 2193

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|----------------------|---------------------|--------------------|---------------------|------|
| M 1 | 18 38 27 | 9 ⁵⁵ 49'48 | 6 ⁰² 20 | 21 ¹¹ 52 | 5 ¹¹ 9 | 21 ¹¹ 50 | 25 ⁰² 21 | 17 ⁰⁵ 50 | 1 ¹¹ 56 | 11 ¹¹ 35 | 12 ⁰² 22 | 11 ⁰¹ 17 | 12 ¹¹ 38 | 6 ¹¹ 29 | 28 ⁰² 32 | M 1 |
| T 2 | 18 42 24 | 10 ⁰⁴ 7'03 | 19 ⁰⁴ 43 | 23 ⁰³ 36 | 6 ²⁰ | 22 ²² 21 | 25 ³² 32 | 17 ¹⁷ 46 | 1 ⁰⁵ 59 | 11 ⁰³ 36 | 12 ²⁴ | 11 ¹¹ 13 | 12 ⁰³ 34 | 6 ³⁶ | 28 ³⁹ | T 2 |
| W 3 | 18 46 20 | 11 ⁰⁴ 4'17 | 2 ¹¹ 41 | 25 ²² | 7 ³¹ | 22 ⁵¹ | 25 ⁴³ | 17 ⁴² | 2 ² | 11 ³⁶ | 12 ²⁵ | 11 ¹⁰ | 12 ³¹ | 6 ⁴² | 28 ⁴⁵ | W 3 |
| T 4 | 18 50 17 | 12 ⁰⁴ 1'31 | 15 ⁰¹ 17 | 27 ¹² | 8 ⁴² | 23 ²¹ | 25 ⁵⁴ | 17 ³⁹ | 2 ⁵ | 11 ³⁶ | 12 ²⁷ | 11 ⁰¹ D10 | 12 ⁰² 28 | 6 ⁴⁹ | 28 ⁵¹ | T 4 |
| F 5 | 18 54 13 | 13 ⁰³ 8'45 | 27 ³⁵ | 29 ⁵ | 9 ⁵² | 23 ⁵⁰ | 26 ⁵ | 17 ³⁵ | 2 ⁷ | 11 ³⁷ | 12 ²⁸ | 11 ⁰¹ | 12 ²⁵ | 6 ⁵⁶ | 28 ⁵⁸ | F 5 |
| S 6 | 18 58 10 | 14 ⁰³ 5'58 | 9 ⁰² 38 | 1 ⁰² 0 | 11 ³ | 24 ¹⁹ | 26 ¹⁷ | 17 ³¹ | 2 ¹⁰ | 11 ³⁷ | 12 ³⁰ | 11 ⁰¹ R12 | 12 ²² | 7 ² | 29 ⁴ | S 6 |
| S 7 | 19 2 6 | 15 ⁰³ 3'11 | 21 ⁰³ 33 | 2 ⁵⁸ | 12 ¹⁴ | 24 ⁴⁸ | 26 ²⁸ | 17 ²⁸ | 2 ¹³ | 11 ³⁷ | 12 ³² | 11 ⁰¹ 12 | 12 ¹⁸ | 7 ⁹ | 29 ¹¹ | S 7 |
| M 8 | 19 6 3 | 16 ⁰³ 30'23 | 3 ¹¹ 24 | 4 ⁵⁸ | 13 ²⁵ | 25 ¹⁷ | 26 ³⁹ | 17 ²⁴ | 2 ¹⁶ | 11 ³⁸ | 12 ³³ | 11 ⁰¹ 10 | 12 ¹⁵ | 7 ¹⁶ | 29 ¹⁸ | M 8 |
| T 9 | 19 9 5 | 17 ⁰² 7'36 | 15 ⁰¹ 16 | 7 ⁰ | 14 ³⁶ | 25 ⁴⁵ | 26 ⁵¹ | 17 ²⁰ | 2 ¹⁸ | 11 ³⁸ | 12 ³⁵ | 11 ⁰¹ 6 | 12 ¹² | 7 ²³ | 29 ²⁵ | T 9 |
| W10 | 19 13 56 | 18 ⁰² 4'48 | 27 ¹⁴ | 9 ⁴ | 15 ⁴⁷ | 26 ¹³ | 27 ² | 17 ¹⁷ | 2 ²¹ | 11 ³⁸ | 12 ³⁶ | 11 ⁰¹ 1 | 12 ⁹ | 7 ²⁹ | 29 ³¹ | W10 |
| T 11 | 19 17 53 | 19 ⁰² 2'00 | 9 ¹¹ 22 | 11 ⁰¹ 10 | 16 ⁵⁸ | 26 ⁴⁰ | 27 ¹⁴ | 17 ¹³ | 2 ²⁴ | 11 ³⁸ | 12 ³⁸ | 10 ⁰⁵ 3 | 12 ⁶ | 7 ³⁶ | 29 ³⁸ | T 11 |
| F 12 | 19 21 49 | 20 ⁰¹ 9'12 | 21 ⁰¹ 41 | 13 ⁰¹ 17 | 18 ⁹ | 27 ⁸ | 27 ²⁵ | 17 ¹⁰ | 2 ²⁶ | 11 ³⁸ | 12 ⁴⁰ | 10 ⁰⁴ 4 | 12 ³ | 7 ⁴³ | 29 ⁴⁵ | F 12 |
| S 13 | 19 25 46 | 21 ⁰¹ 6'25 | 4 ⁰³ 14 | 15 ²⁵ | 19 ²¹ | 27 ³⁴ | 27 ³⁷ | 17 ⁷ | 2 ²⁹ | 11 ³⁸ | 12 ⁴¹ | 10 ⁰³ 6 | 11 ⁵⁹ | 7 ⁴⁹ | 29 ⁵² | S 13 |
| S 14 | 19 29 42 | 22 ⁰¹ 3'37 | 17 ⁰¹ 1 | 17 ³⁴ | 20 ³² | 28 ¹ | 27 ⁴⁸ | 17 ⁴ | 2 ³² | 11 ³⁸ | 12 ⁴³ | 10 ⁰² 7 | 11 ⁵⁶ | 7 ⁵⁶ | 29 ⁵⁹ | S 14 |
| M15 | 19 33 39 | 23 ⁰¹ 10'49 | 0 ⁰² 3 | 19 ⁴³ | 21 ⁴³ | 28 ²⁷ | 28 ⁰ | 17 ⁰ | 2 ³⁴ | 11 ³⁸ | 12 ⁴⁵ | 10 ⁰² 1 | 11 ⁵³ | 8 ³ | 0 ¹¹ 6 | M15 |
| T 16 | 19 37 35 | 24 ⁰⁸ 0'2 | 13 ⁰¹ 18 | 21 ⁵² | 22 ⁵⁵ | 28 ⁵² | 28 ¹² | 16 ⁵⁷ | 2 ³⁷ | 11 ³⁸ | 12 ⁴⁶ | 10 ⁰¹ 6 | 11 ⁵⁰ | 8 ⁹ | 0 ¹³ | T 16 |
| W17 | 19 41 32 | 25 ⁰⁵ 1'5 | 26 ⁴⁵ | 24 ² | 24 ⁶ | 29 ¹⁷ | 28 ²⁴ | 16 ⁵⁴ | 2 ³⁹ | 11 ³⁸ | 12 ⁴⁸ | 10 ⁰¹ 3 | 11 ⁴⁷ | 8 ¹⁶ | 0 ²⁰ | W17 |
| T 18 | 19 45 28 | 26 ⁰² 2'28 | 10 ¹¹ 23 | 26 ¹⁰ | 25 ¹⁸ | 29 ⁴² | 28 ³⁶ | 16 ⁵¹ | 2 ⁴¹ | 11 ³⁸ | 12 ⁵⁰ | 10 ⁰¹ D12 | 11 ⁴⁴ | 8 ²³ | 0 ²⁸ | T 18 |
| F 19 | 19 49 25 | 26 ⁰⁵ 9'42 | 24 ⁰¹ 11 | 28 ⁰¹ 19 | 26 ²⁹ | 0 ¹¹ 6 | 28 ⁴⁸ | 16 ⁴⁹ | 2 ⁴⁴ | 11 ³⁸ | 12 ⁵² | 10 ⁰¹ 3 | 11 ⁴⁰ | 8 ³⁰ | 0 ³⁵ | F 19 |
| S 20 | 19 53 22 | 27 ⁰⁵ 6'56 | 8 ⁰¹ 7 | 0 ⁰² 26 | 27 ⁴¹ | 0 ³⁰ | 29 ⁰ | 16 ⁴⁶ | 2 ⁴⁶ | 11 ³⁸ | 12 ⁵³ | 10 ⁰¹ 4 | 11 ³⁷ | 8 ³⁶ | 0 ⁴² | S 20 |
| S 21 | 19 57 18 | 28 ⁰⁵ 4'12 | 22 ⁰¹ 11 | 2 ³² | 28 ⁵² | 0 ⁵⁴ | 29 ¹² | 16 ⁴³ | 2 ⁴⁸ | 11 ³⁷ | 12 ⁵⁵ | 10 ⁰¹ R15 | 11 ³⁴ | 8 ⁴³ | 0 ⁴⁹ | S 21 |
| M22 | 20 1 15 | 29 ⁰⁵ 1'27 | 6 ⁰³ 22 | 4 ³⁸ | 0 ⁰² 4 | 1 ¹⁶ | 29 ²⁴ | 16 ⁴⁰ | 2 ⁵¹ | 11 ³⁷ | 12 ⁵⁷ | 10 ⁰¹ 5 | 11 ³¹ | 8 ⁵⁰ | 0 ⁵⁷ | M22 |
| T 23 | 20 5 11 | 0 ⁰⁴ 48'44 | 20 ⁰³ 37 | 6 ⁴² | 1 ¹⁶ | 1 ³⁹ | 29 ³⁶ | 16 ³⁸ | 2 ⁵³ | 11 ³⁷ | 12 ⁵⁸ | 10 ⁰¹ 3 | 11 ²⁸ | 8 ⁵⁶ | 1 ⁰ 4 | T 23 |
| W24 | 20 9 8 | 1 ⁴⁶ 0'2 | 4 ¹¹ 55 | 8 ⁴⁴ | 2 ²⁸ | 2 ¹ | 29 ⁴⁸ | 16 ³⁵ | 2 ⁵⁵ | 11 ³⁷ | 13 ⁰ | 10 ⁰¹ 10 | 11 ²⁴ | 9 ³ | 1 ¹² | W24 |
| T 25 | 20 13 4 | 2 ⁴³ 2'0 | 19 ⁰¹ 11 | 10 ⁴⁵ | 3 ⁴⁰ | 2 ²² | 0 ¹¹ 0 | 16 ³³ | 2 ⁵⁷ | 11 ³⁶ | 13 ² | 10 ⁰ 6 | 11 ²¹ | 9 ¹⁰ | 1 ¹⁹ | T 25 |
| F 26 | 20 17 1 | 3 ⁴⁰ 3'9 | 3 ⁰² 22 | 12 ⁴⁵ | 4 ⁵¹ | 2 ⁴³ | 0 ¹³ | 16 ³¹ | 2 ⁵⁹ | 11 ³⁶ | 13 ⁴ | 10 ⁰ 0 | 11 ¹⁸ | 9 ¹⁶ | 1 ²⁷ | F 26 |
| S 27 | 20 20 57 | 4 ³⁷ 5'9 | 17 ⁰² 3 | 14 ⁴² | 6 ³ | 3 ³ | 0 ²⁵ | 16 ²⁸ | 3 ¹ | 11 ³⁶ | 13 ⁵ | 9 ⁵⁵ | 11 ¹⁵ | 9 ²³ | 1 ³⁴ | S 27 |
| S 28 | 20 24 54 | 5 ³⁵ 2'0 | 1 ⁰² 10 | 16 ³⁹ | 7 ¹⁵ | 3 ²³ | 0 ³⁷ | 16 ²⁶ | 3 ³ | 11 ³⁵ | 13 ⁷ | 9 ⁵⁰ | 11 ⁰² | 9 ³⁰ | 1 ⁴² | S 28 |
| M29 | 20 28 51 | 6 ³² 4'1 | 14 ⁴⁰ | 18 ³³ | 8 ²⁷ | 3 ⁴² | 0 ⁵⁰ | 16 ²⁴ | 3 ⁵ | 11 ³⁵ | 13 ⁹ | 9 ⁴⁶ | 11 ⁰ 9 | 9 ³⁷ | 1 ⁴⁹ | M29 |
| T 30 | 20 32 47 | 7 ³⁰ 0'3 | 27 ⁰⁵ 0 | 20 ²⁶ | 9 ⁴⁰ | 4 ⁰ | 1 ² | 16 ²² | 3 ⁷ | 11 ³⁴ | 13 ¹¹ | 9 ⁴⁴ | 11 ⁰ 5 | 9 ⁴³ | 1 ⁵⁷ | T 30 |
| W31 | 20 36 44 | 8 ⁰² 7'25 | 10 ¹¹ 41 | 22 ⁰¹ 17 | 10 ⁰² 52 | 4 ⁰¹ 18 | 1 ¹¹ 15 | 16 ¹⁷ 20 | 3 ¹¹ 9 | 11 ³⁴ | 13 ⁰² 12 | 9 ⁰¹ D44 | 11 ¹¹ 2 | 9 ¹¹ 50 | 2 ¹¹ 5 | W31 |

| Day | ☉ | ☾ | | ♀ | | ♀ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | ♂ | ♂ | ♂ | |
|------|-------|-------|------|-------|------|-------|------|------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | ♂ | ♂ | ♂ | decl | lat |
| M 1 | 23n 3 | 21n29 | 2n55 | 21n54 | 1s16 | 19n24 | 1s46 | 6s33 | 3s37 | 13n54 | 0n53 | 21s17 | 1n35 | 20n21 | 0s11 | 3n15 | 1s27 | 22n47 | 5n58 | 7s20 | 6s49 | 17s35 | 6n48 | 5s30 |
| T 2 | 22 59 | 16 40 | 1 52 | 22 12 | 1 4 | 19 38 | 1 44 | 6 24 | 3 39 | 13 50 | 0 53 | 21 17 | 1 35 | 20 21 | 0 11 | 3 15 | 1 27 | 22 47 | 5 58 | 7 21 | 6 50 | 17 38 | 6 47 | 5 30 |
| W 3 | 22 54 | 11 13 | 0 45 | 22 28 | 0 52 | 19 51 | 1 42 | 6 14 | 3 42 | 13 46 | 0 53 | 21 17 | 1 35 | 20 22 | 0 11 | 3 15 | 1 27 | 22 47 | 5 58 | 7 22 | 6 51 | 17 41 | 6 45 | 5 29 |
| T 4 | 22 49 | 5 27 | 0s22 | 22 43 | 0 40 | 20 5 | 1 40 | 6 4 | 3 44 | 13 42 | 0 53 | 21 16 | 1 35 | 20 22 | 0 11 | 3 15 | 1 27 | 22 46 | 5 58 | 7 22 | 6 53 | 17 44 | 6 43 | 5 29 |
| F 5 | 22 43 | 0s22 | 1 27 | 22 57 | 0 28 | 20 17 | 1 38 | 5 55 | 3 46 | 13 39 | 0 53 | 21 16 | 1 35 | 20 23 | 0 11 | 3 15 | 1 27 | 22 46 | 5 58 | 7 22 | 6 54 | 17 46 | 6 42 | 5 28 |
| S 6 | 22 37 | 6 4 | 2 26 | 23 9 | 0 16 | 20 29 | 1 36 | 5 45 | 3 49 | 13 35 | 0 53 | 21 16 | 1 34 | 20 23 | 0 11 | 3 15 | 1 27 | 22 45 | 5 58 | 7 22 | 6 55 | 17 49 | 6 40 | 5 27 |
| S 7 | 22 31 | 11 28 | 3 19 | 23 19 | 0 4 | 20 41 | 1 34 | 5 36 | 3 51 | 13 31 | 0 53 | 21 16 | 1 34 | 20 24 | 0 11 | 3 15 | 1 27 | 22 45 | 5 58 | 7 22 | 6 56 | 17 52 | 6 38 | 5 27 |
| M 8 | 22 24 | 16 26 | 4 3 | 23 26 | 0n 7 | 20 52 | 1 32 | 5 27 | 3 54 | 13 27 | 0 53 | 21 16 | 1 34 | 20 24 | 0 11 | 3 15 | 1 27 | 22 44 | 5 58 | 7 22 | 6 57 | 17 54 | 6 36 | 5 26 |
| T 9 | 22 17 | 20 48 | 4 36 | 23 32 | 0 18 | 21 3 | 1 30 | 5 18 | 3 56 | 13 23 | 0 53 | 21 15 | 1 34 | 20 25 | 0 11 | 3 15 | 1 27 | 22 44 | 5 58 | 7 24 | 6 59 | 17 57 | 6 34 | 5 26 |
| W10 | 22 9 | 24 21 | 4 58 | 23 35 | 0 29 | 21 13 | 1 27 | 5 9 | 3 58 | 13 19 | 0 53 | 21 15 | 1 34 | 20 26 | 0 11 | 3 15 | 1 27 | 22 43 | 5 58 | 7 26 | 7 0 | 18 0 | 6 33 | 5 25 |
| T 11 | 22 1 | 26 52 | 5 6 | 23 35 | 0 39 | 21 22 | 1 25 | 5 0 | 4 1 | 13 15 | 0 53 | 21 15 | 1 34 | 20 26 | 0 11 | 3 15 | 1 27 | 22 43 | 5 58 | 7 29 | 7 1 | 18 3 | 6 31 | 5 25 |
| F 12 | 21 53 | 28 9 | 5 1 | 23 33 | 0 48 | 21 31 | 1 23 | 4 52 | 4 3 | 13 11 | 0 53 | 21 15 | 1 33 | 20 27 | 0 11 | 3 15 | 1 27 | 22 42 | 5 58 | 7 32 | 7 2 | 18 5 | 6 29 | 5 24 |
| S 13 | 21 44 | 28 2 | 4 41 | 23 28 | 0 57 | 21 39 | 1 20 | 4 43 | 4 6 | 13 7 | 0 53 | 21 15 | 1 33 | 20 27 | 0 11 | 3 15 | 1 27 | 22 42 | 5 58 | 7 35 | 7 3 | 18 8 | 6 27 | 5 24 |
| S 14 | 21 35 | 26 25 | 4 7 | 23 21 | 1 6 | 21 47 | 1 18 | 4 35 | 4 8 | 13 3 | 0 53 | 21 15 | 1 33 | 20 28 | 0 11 | 3 15 | 1 28 | 22 41 | 5 58 | 7 38 | 7 5 | 18 11 | 6 25 | 5 23 |
| M15 | 21 26 | 23 22 | 3 19 | 23 11 | 1 13 | 21 54 | 1 15 | 4 27 | 4 10 | 12 59 | 0 53 | 21 14 | 1 33 | 20 28 | 0 11 | 3 15 | 1 28 | 22 41 | 5 58 | 7 41 | 7 6 | 18 13 | 6 23 | 5 23 |
| T 16 | 21 16 | 19 3 | 2 20 | 22 58 | 1 20 | 22 1 | 1 13 | 4 19 | 4 13 | 12 55 | 0 53 | 21 14 | 1 33 | 20 29 | 0 11 | 3 15 | 1 28 | 22 40 | 5 58 | 7 43 | 7 7 | 18 16 | 6 21 | 5 22 |
| W17 | 21 6 | 13 43 | 1 12 | 22 42 | 1 26 | 22 7 | 1 10 | 4 11 | 4 15 | 12 51 | 0 53 | 21 14 | 1 33 | 20 29 | 0 11 | 3 15 | 1 28 | 22 40 | 5 58 | 7 44 | 7 8 | 18 19 | 6 19 | 5 22 |
| T 18 | 20 55 | 7 39 | 0n 1 | 22 24 | 1 32 | 22 12 | 1 8 | 4 3 | 4 17 | 12 47 | 0 53 | 21 14 | 1 32 | 20 30 | 0 11 | 3 15 | 1 28 | 22 39 | 5 58 | 7 44 | 7 10 | 18 21 | 6 17 | 5 22 |
| F 19 | 20 44 | 1 10 | 1 15 | 22 3 | 1 36 | 22 17 | 1 5 | 3 56 | 4 20 | 12 43 | 0 53 | 21 14 | 1 32 | 20 30 | 0 11 | 3 15 | 1 28 | 22 39 | 5 58 | 7 44 | 7 11 | 18 24 | 6 15 | 5 21 |
| S 20 | 20 33 | 5n27 | 2 25 | 21 40 | 1 40 | 22 22 | 1 2 | 3 49 | 4 22 | 12 38 | 0 53 | 21 14 | 1 32 | 20 30 | 0 11 | 3 15 | 1 28 | 22 39 | 5 58 | 7 43 | 7 12 | 18 27 | 6 13 | 5 21 |
| S 21 | 20 22 | 11 50 | 3 28 | 21 15 | 1 43 | 22 25 | 1 0 | 3 42 | 4 25 | 12 34 | 0 53 | 21 14 | 1 32 | 20 31 | 0 11 | 3 15 | 1 28 | 22 38 | 5 58 | 7 43 | 7 13 | 18 29 | 6 10 | 5 20 |
| M22 | 20 10 | 17 41 | 4 18 | 20 47 | 1 45 | 22 28 | 0 57 | 3 35 | 4 27 | 12 30 | 0 53 | 21 14 | 1 32 | 20 31 | 0 11 | 3 14 | 1 28 | 22 38 | 5 58 | 7 43 | 7 14 | 18 32 | 6 8 | 5 20 |
| T 23 | 19 57 | 22 35 | 4 52 | 20 18 | 1 47 | 22 30 | 0 54 | 3 28 | 4 29 | 12 26 | 0 53 | 21 14 | 1 32 | 20 32 | 0 11 | 3 14 | 1 28 | 22 37 | 5 58 | 7 44 | 7 16 | 18 34 | 6 6 | 5 19 |
| W24 | 19 45 | 26 9 | 5 9 | 19 47 | 1 48 | 22 32 | 0 51 | 3 21 | 4 32 | 12 21 | 0 53 | 21 14 | 1 31 | 20 32 | 0 11 | 3 14 | 1 28 | 22 37 | 5 58 | 7 45 | 7 17 | 18 37 | 6 4 | 5 19 |
| T 25 | 19 32 | 28 4 | 5 6 | 19 15 | 1 48 | 22 33 | 0 49 | 3 15 | 4 34 | 12 17 | 0 53 | 21 14 | 1 31 | 20 33 | 0 11 | 3 14 | 1 28 | 22 36 | 5 58 | 7 47 | 7 18 | 18 40 | 6 2 | 5 19 |
| F 26 | 19 19 | 28 7 | 4 45 | 18 41 | 1 47 | 22 34 | 0 46 | 3 9 | 4 37 | 12 13 | 0 53 | 21 13 | 1 31 | 20 33 | 0 11 | 3 14 | 1 28 | 22 36 | 5 58 | 7 49 | 7 19 | 18 42 | 5 59 | 5 18 |
| S 27 | 19 5 | 26 22 | 4 7 | 18 6 | 1 46 | 22 34 | 0 43 | 3 3 | 4 39 | 12 8 | 0 53 | 21 13 | 1 31 | 20 33 | 0 11 | 3 14 | 1 28 | 22 35 | 5 58 | 7 51 | 7 20 | 18 45 | 5 57 | 5 18 |
| S 28 | 18 51 | 23 3 | 3 15 | 17 30 | 1 44 | 22 33 | 0 40 | 2 58 | 4 41 | 12 4 | 0 53 | 21 13 | 1 31 | 20 34 | 0 11 | 3 13 | 1 28 | 22 35 | 5 58 | 7 52 | 7 22 | 18 48 | 5 55 | 5 17 |
| M29 | 18 37 | 18 32 | 2 13 | 16 52 | 1 42 | 22 31 | 0 37 | 2 52 | 4 44 | 12 0 | 0 53 | 21 13 | 1 30 | 20 34 | 0 11 | 3 13 | 1 28 | 22 34 | 5 58 | 7 54 | 7 23 | 18 50 | 5 53 | 5 17 |
| T 30 | 18 23 | 13 13 | 1 5 | 16 14 | 1 39 | 22 29 | 0 35 | 2 47 | 4 46 | 11 55 | 0 53 | 21 13 | 1 30 | 20 35 | 0 11 | 3 13 | 1 28 | 22 34 | 5 58 | 7 55 | 7 24 | 18 53 | 5 50 | 5 17 |
| W31 | 18n 8 | 7n29 | 0s 5 | 15n35 | 1n36 | 22n27 | 0s32 | 2s42 | 4s48 | 11n51 | 0n53 | 21s13 | 1n30 | 20n35 | 0s11 | 3n13 | 1s28 | 22n33 | 5n58 | 7s55 | 7s25 | 18s55 | 5n48 | 5s16 |

ASTRODIENST EPHEMERIS for the year 2193
geocentric

AUGUST 2193

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | ♈ | ♉ | Day |
|------|----------|----------|-------|-------|-------|-------|------|--------|------|--------|-------|-------|-------|-------|------|------|
| T 1 | 20 40 40 | 9♌24'48 | 23♍13 | 24♎7 | 12♏4 | 4♐35 | 1♑27 | 16°R18 | 3♒11 | 11°R33 | 13♓14 | 9♈44 | 10♉59 | 9♊57 | 2♋13 | T 1 |
| F 2 | 20 44 37 | 10°22'11 | 5♌29 | 25°54 | 13°16 | 4°52 | 1°40 | 16♎17 | 3°13 | 11°Y33 | 13°16 | 9°46 | 10°56 | 10°3 | 2°20 | F 2 |
| S 3 | 20 48 33 | 11°19'35 | 17°33 | 27°40 | 14°28 | 5°8 | 1°52 | 16°15 | 3°15 | 11°32 | 13°18 | 9°48 | 10°53 | 10°10 | 2°28 | S 3 |
| S 4 | 20 52 30 | 12°17'00 | 29°29 | 29°25 | 15°41 | 5°23 | 2°5 | 16°14 | 3°16 | 11°31 | 13°19 | 9°49 | 10°50 | 10°17 | 2°36 | S 4 |
| M 5 | 20 56 26 | 13°14'25 | 11♌21 | 1♍8 | 16°53 | 5°38 | 2°18 | 16°12 | 3°18 | 11°31 | 13°21 | 9°R50 | 10°46 | 10°23 | 2°44 | M 5 |
| T 6 | 21 0 23 | 14°11'51 | 23°14 | 2°49 | 18°6 | 5°52 | 2°30 | 16°11 | 3°20 | 11°30 | 13°23 | 9°49 | 10°43 | 10°30 | 2°52 | T 6 |
| W 7 | 21 4 20 | 15°9'18 | 5♎14 | 4°28 | 19°18 | 6°6 | 2°43 | 16°10 | 3°21 | 11°29 | 13°25 | 9°48 | 10°40 | 10°37 | 3°0 | W 7 |
| T 8 | 21 8 16 | 16°6'45 | 17°24 | 6°6 | 20°31 | 6°18 | 2°56 | 16°8 | 3°23 | 11°28 | 13°27 | 9°45 | 10°37 | 10°44 | 3°7 | T 8 |
| F 9 | 21 12 13 | 17°4'13 | 29°48 | 7°42 | 21°43 | 6°30 | 3°9 | 16°7 | 3°24 | 11°28 | 13°28 | 9°42 | 10°34 | 10°50 | 3°15 | F 9 |
| S 10 | 21 16 9 | 18°1'42 | 12♓28 | 9°17 | 22°56 | 6°41 | 3°21 | 16°6 | 3°26 | 11°27 | 13°30 | 9°39 | 10°30 | 10°57 | 3°23 | S 10 |
| S 11 | 21 20 6 | 18°59'12 | 25°28 | 10°50 | 24°8 | 6°52 | 3°34 | 16°5 | 3°27 | 11°26 | 13°32 | 9°36 | 10°27 | 11°4 | 3°31 | S 11 |
| M12 | 21 24 2 | 19°56'42 | 8♎46 | 12°21 | 25°21 | 7°2 | 3°47 | 16°5 | 3°29 | 11°25 | 13°34 | 9°33 | 10°24 | 11°10 | 3°39 | M12 |
| T 13 | 21 27 59 | 20°54'14 | 22°22 | 13°50 | 26°34 | 7°11 | 4°0 | 16°4 | 3°30 | 11°24 | 13°35 | 9°32 | 10°21 | 11°17 | 3°47 | T 13 |
| W14 | 21 31 55 | 21°51'46 | 6♈14 | 15°18 | 27°47 | 7°19 | 4°13 | 16°3 | 3°31 | 11°23 | 13°37 | 9°D31 | 10°18 | 11°24 | 3°56 | W14 |
| T 15 | 21 35 52 | 22°49'20 | 20°18 | 16°45 | 28°59 | 7°27 | 4°26 | 16°3 | 3°32 | 11°22 | 13°39 | 9°31 | 10°15 | 11°31 | 4°4 | T 15 |
| F 16 | 21 39 49 | 23°46'55 | 4♐31 | 18°9 | 0♌12 | 7°33 | 4°39 | 16°2 | 3°34 | 11°21 | 13°41 | 9°32 | 10°11 | 11°37 | 4°12 | F 16 |
| S 17 | 21 43 45 | 24°44'32 | 18°49 | 19°32 | 1°25 | 7°39 | 4°51 | 16°2 | 3°35 | 11°20 | 13°42 | 9°33 | 10°8 | 11°44 | 4°20 | S 17 |
| S 18 | 21 47 42 | 25°42'10 | 3♉8 | 20°53 | 2°38 | 7°44 | 5°4 | 16°2 | 3°36 | 11°19 | 13°44 | 9°34 | 10°5 | 11°51 | 4°28 | S 18 |
| M19 | 21 51 38 | 26°39'49 | 17°25 | 22°12 | 3°51 | 7°49 | 5°17 | 16°2 | 3°37 | 11°18 | 13°46 | 9°35 | 10°2 | 11°57 | 4°36 | M19 |
| T 20 | 21 55 35 | 27°37'30 | 1♐38 | 23°30 | 5°4 | 7°52 | 5°30 | 16°D 2 | 3°38 | 11°17 | 13°48 | 9°R35 | 9°59 | 12°4 | 4°44 | T 20 |
| W21 | 21 59 31 | 28°33'13 | 15°44 | 24°45 | 6°17 | 7°55 | 5°43 | 16°2 | 3°39 | 11°16 | 13°49 | 9°35 | 9°56 | 12°11 | 4°52 | W21 |
| T 22 | 22 3 28 | 29°32'58 | 29°41 | 25°59 | 7°31 | 7°57 | 5°56 | 16°2 | 3°40 | 11°15 | 13°51 | 9°34 | 9°52 | 12°17 | 5°1 | T 22 |
| F 23 | 22 7 24 | 0♑30'44 | 13♓27 | 27°11 | 8°44 | 7°58 | 6°9 | 16°2 | 3°41 | 11°14 | 13°53 | 9°33 | 9°49 | 12°24 | 5°9 | F 23 |
| S 24 | 22 11 21 | 1°28'32 | 27°1 | 28°20 | 9°57 | 7°R58 | 6°22 | 16°3 | 3°41 | 11°13 | 13°54 | 9°32 | 9°46 | 12°31 | 5°17 | S 24 |
| S 25 | 22 15 18 | 2°26'21 | 10♌22 | 29°27 | 11°10 | 7°57 | 6°35 | 16°3 | 3°42 | 11°12 | 13°56 | 9°31 | 9°43 | 12°38 | 5°25 | S 25 |
| M26 | 22 19 14 | 3°24'11 | 23°28 | 0♊32 | 12°24 | 7°55 | 6°48 | 16°4 | 3°43 | 11°10 | 13°58 | 9°30 | 9°40 | 12°44 | 5°33 | M26 |
| T 27 | 22 23 11 | 4°22'03 | 6♑20 | 1°35 | 13°37 | 7°53 | 7°1 | 16°4 | 3°43 | 11°9 | 14°0 | 9°D30 | 9°36 | 12°51 | 5°41 | T 27 |
| W28 | 22 27 7 | 5°19'57 | 18°57 | 2°35 | 14°51 | 7°49 | 7°15 | 16°5 | 3°44 | 11°8 | 14°1 | 9°30 | 9°33 | 12°58 | 5°50 | W28 |
| T 29 | 22 31 4 | 6°17'52 | 1♊20 | 3°33 | 16°4 | 7°45 | 7°28 | 16°6 | 3°45 | 11°7 | 14°3 | 9°30 | 9°30 | 13°4 | 5°58 | T 29 |
| F 30 | 22 35 0 | 7°15'48 | 13°31 | 4°28 | 17°18 | 7°40 | 7°41 | 16°7 | 3°45 | 11°5 | 14°4 | 9°30 | 9°27 | 13°11 | 6°6 | F 30 |
| S 31 | 22 38 57 | 8♑13'45 | 25♊32 | 5♌19 | 18♌31 | 7♐34 | 7♑54 | 16♎8 | 3♒45 | 11°Y 4 | 14♌6 | 9♈31 | 9♉24 | 13♊18 | 6♋14 | S 31 |

| Day | ☉ | ☽ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | ♈ | ♉ | Day |
|------|-------|------------|------------|------------|-----------|------------|------------|------------|-----------|------------|-----------|------------|-----------|----------|-----|
| | decl | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | |
| T 1 | 17n53 | 1n34 1s13 | 14n55 1n32 | 22n23 0s29 | 2s37 4s50 | 11n46 0n53 | 21s13 1n30 | 20n35 0s11 | 3n12 1s29 | 22n33 5n58 | 7s55 7s26 | 18s58 5n45 | 5s16 5s16 | | |
| F 2 | 17 37 | 4s16 2 16 | 14 14 1 27 | 22 19 0 26 | 2 33 4 53 | 11 42 0 53 | 21 13 1 30 | 20 36 0 11 | 3 12 1 29 | 22 32 5 59 | 7 54 7 28 | 19 0 5 43 | 5 16 | | |
| S 3 | 17 22 | 9 51 3 12 | 13 33 1 22 | 22 15 0 23 | 2 29 4 55 | 11 37 0 53 | 21 13 1 29 | 20 36 0 11 | 3 12 1 29 | 22 32 5 59 | 7 53 7 29 | 19 3 5 41 | 5 15 | | |
| S 4 | 17 6 | 15 1 4 0 | 12 52 1 17 | 22 9 0 21 | 2 24 4 57 | 11 33 0 53 | 21 14 1 29 | 20 36 0 11 | 3 12 1 29 | 22 32 5 59 | 7 53 7 30 | 19 6 5 38 | 5 15 | | |
| M 5 | 16 50 | 19 36 4 36 | 12 10 1 11 | 22 4 0 18 | 2 21 4 59 | 11 28 0 53 | 21 14 1 29 | 20 37 0 11 | 3 11 1 29 | 22 31 5 59 | 7 53 7 31 | 19 8 5 36 | 5 15 | | |
| T 6 | 16 33 | 23 25 5 1 | 11 28 1 5 | 21 57 0 15 | 2 17 5 1 | 11 24 0 53 | 21 14 1 29 | 20 37 0 11 | 3 11 1 29 | 22 31 5 59 | 7 53 7 32 | 19 11 5 33 | 5 14 | | |
| W 7 | 16 17 | 26 17 5 13 | 10 46 0 59 | 21 50 0 12 | 2 14 5 4 | 11 19 0 53 | 21 14 1 29 | 20 37 0 11 | 3 11 1 29 | 22 30 5 59 | 7 53 7 34 | 19 13 5 31 | 5 14 | | |
| T 8 | 16 0 | 27 59 5 11 | 10 4 0 52 | 21 42 0 9 | 2 11 5 6 | 11 15 0 53 | 21 14 1 28 | 20 38 0 11 | 3 10 1 29 | 22 30 5 59 | 7 54 7 35 | 19 16 5 28 | 5 14 | | |
| F 9 | 15 42 | 28 20 4 55 | 9 22 0 45 | 21 34 0 6 | 2 8 5 8 | 11 10 0 53 | 21 14 1 28 | 20 38 0 11 | 3 10 1 29 | 22 29 5 59 | 7 55 7 36 | 19 18 5 26 | 5 13 | | |
| S 10 | 15 25 | 27 13 4 24 | 8 39 0 37 | 21 25 0 4 | 2 5 5 10 | 11 5 0 53 | 21 14 1 28 | 20 38 0 11 | 3 10 1 29 | 22 29 5 59 | 7 57 7 37 | 19 21 5 23 | 5 13 | | |
| S 11 | 15 7 | 24 37 3 39 | 7 57 0 29 | 21 15 0 1 | 2 3 5 12 | 11 1 0 53 | 21 14 1 28 | 20 38 0 11 | 3 9 1 29 | 22 28 5 59 | 7 58 7 38 | 19 23 5 20 | 5 13 | | |
| M12 | 14 49 | 20 39 2 41 | 7 15 0 21 | 21 5 0n 2 | 2 1 5 14 | 10 56 0 53 | 21 14 1 28 | 20 39 0 11 | 3 9 1 29 | 22 28 5 59 | 7 58 7 40 | 19 26 5 18 | 5 12 | | |
| T 13 | 14 31 | 15 31 1 33 | 6 33 0 13 | 20 54 0 5 | 1 59 5 15 | 10 51 0 53 | 21 14 1 27 | 20 39 0 11 | 3 8 1 29 | 22 28 5 59 | 7 59 7 41 | 19 29 5 15 | 5 12 | | |
| W14 | 14 12 | 9 30 0 18 | 5 52 0 5 | 20 42 0 7 | 1 57 5 17 | 10 47 0 53 | 21 14 1 27 | 20 39 0 11 | 3 8 1 29 | 22 27 5 59 | 8 0 7 42 | 19 31 5 13 | 5 12 | | |
| T 15 | 13 54 | 2 56 0n59 | 5 10 0s 4 | 20 30 0 10 | 1 56 5 19 | 10 42 0 53 | 21 15 1 27 | 20 39 0 11 | 3 8 1 29 | 22 27 6 0 | 8 0 7 43 | 19 34 5 10 | 5 12 | | |
| F 16 | 13 35 | 3n50 2 14 | 4 29 0 13 | 20 18 0 13 | 1 55 5 21 | 10 37 0 53 | 21 15 1 27 | 20 40 0 11 | 3 7 1 29 | 22 26 6 0 | 7 59 7 44 | 19 36 5 7 | 5 11 | | |
| S 17 | 13 16 | 10 27 3 20 | 3 48 0 22 | 20 4 0 15 | 1 54 5 22 | 10 33 0 53 | 21 15 1 27 | 20 40 0 11 | 3 7 1 29 | 22 26 6 0 | 7 59 7 46 | 19 39 5 5 | 5 11 | | |
| S 18 | 12 56 | 16 32 4 15 | 3 8 0 31 | 19 51 0 18 | 1 54 5 24 | 10 28 0 53 | 21 15 1 26 | 20 40 0 11 | 3 6 1 29 | 22 25 6 0 | 7 58 7 47 | 19 41 5 2 | 5 11 | | |
| M19 | 12 37 | 21 42 4 53 | 2 28 0 40 | 19 36 0 20 | 1 53 5 25 | 10 23 0 53 | 21 15 1 26 | 20 40 0 11 | 3 6 1 29 | 22 25 6 0 | 7 58 7 48 | 19 44 4 59 | 5 11 | | |
| T 20 | 12 17 | 25 35 5 13 | 1 49 0 50 | 19 21 0 23 | 1 53 5 27 | 10 19 0 53 | 21 16 1 26 | 20 40 0 11 | 3 5 1 29 | 22 25 6 0 | 7 58 7 49 | 19 46 4 57 | 5 10 | | |
| W21 | 11 57 | 27 52 5 14 | 1 10 0 59 | 19 6 0 26 | 1 54 5 28 | 10 14 0 53 | 21 16 1 26 | 20 41 0 11 | 3 5 1 29 | 22 24 6 0 | 7 58 7 50 | 19 49 4 54 | 5 10 | | |
| T 22 | 11 37 | 28 22 4 57 | 0 32 1 9 | 18 50 0 28 | 1 54 5 30 | 10 9 0 53 | 21 16 1 26 | 20 41 0 11 | 3 4 1 29 | 22 24 6 0 | 7 59 7 52 | 19 51 4 51 | 5 10 | | |
| F 23 | 11 17 | 27 6 4 23 | 0s 5 1 19 | 18 33 0 31 | 1 55 5 31 | 10 4 0 53 | 21 16 1 25 | 20 41 0 11 | 3 4 1 30 | 22 23 6 0 | 7 59 7 53 | 19 54 4 48 | 5 10 | | |
| S 24 | 10 56 | 24 14 3 34 | 0 42 1 29 | 18 16 0 33 | 1 56 5 32 | 10 0 0 53 | 21 16 1 25 | 20 41 0 11 | 3 3 1 30 | 22 23 6 1 | 7 59 7 54 | 19 56 4 46 | 5 10 | | |
| S 25 | 10 36 | 20 6 2 34 | 1 17 1 38 | 17 58 0 35 | 1 57 5 33 | 9 55 0 53 | 21 17 1 25 | 20 41 0 11 | 3 3 1 30 | 22 23 6 1 | 8 0 7 55 | 19 58 4 43 | 5 9 | | |
| M26 | 10 15 | 15 4 1 28 | 1 52 1 48 | 17 40 0 38 | 1 59 5 34 | 9 50 0 53 | 21 17 1 25 | 20 41 0 11 | 3 2 1 30 | 22 22 6 1 | 8 0 7 56 | 20 1 4 40 | 5 9 | | |
| T 27 | 9 54 | 9 27 0 18 | 2 26 1 58 | 17 22 0 40 | 2 0 5 35 | 9 45 0 54 | 21 17 1 25 | 20 41 0 11 | 3 2 1 30 | 22 22 6 1 | 8 0 7 58 | 20 3 4 37 | 5 9 | | |
| W28 | 9 33 | 3 34 0s52 | 2 59 2 8 | 17 2 0 42 | 2 2 5 36 | 9 40 0 54 | 21 18 1 24 | 20 42 0 11 | 3 1 1 30 | 22 21 6 1 | 8 0 7 59 | 20 6 4 34 | 5 9 | | |
| T 29 | 9 12 | 2s20 1 58 | 3 31 2 18 | 16 43 0 44 | 2 5 5 36 | 9 36 0 54 | 21 18 1 24 | 20 42 0 11 | 3 1 1 30 | 22 21 6 1 | 8 0 8 0 | 20 8 4 31 | 5 9 | | |
| F 30 | 8 50 | 8 3 2 58 | 4 1 2 27 | 16 23 0 47 | 2 7 5 37 | 9 31 0 54 | 21 18 1 24 | 20 42 0 11 | 3 0 1 30 | 22 21 6 1 | 8 0 8 1 | 20 11 4 29 | 5 9 | | |
| S 31 | 8n29 | 13s24 3s48 | 4s31 2s37 | 16n 2 0n49 | 2s10 5s37 | 9n26 0n54 | 21s18 1n24 | 20n42 0s11 | 3n 0 1s30 | 22n20 6n 1 | 8s 0 8s 2 | 20s13 4n26 | 5s 9 | | |

Julian Day Number = 2522249.5, Delta T = 156.85 sec
Ecliptic obliquity = 23°24'59, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°26'44, Lahiri = 26°33'44

ASTRODIENST EPHEMERIS for the year 2193

geocentric

SEPTEMBER 2193

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------------------|----------------------|--------------------|----------------------|-------|--------------------|--------------------|---------------------|---------------------|---------------------|-------|-------------------|--------------------|--------------------|------|-----|
| S 1 | 22 42 53 | 9 ^h 11'44 | 7 ^m 27 | 6 ^s 8 | 19 ^h 04'5 | 7°R28 | 8 ^m 7 | 16 ^s 9 | 3 ^h II46 | 11°R 3 | 14 ^h 0 8 | 9°R31 | 9 ^h 21 | 13 ^m 25 | 6 ^m 23 | S 1 | |
| M 2 | 22 46 50 | 10° 9'45 | 19°19 | 6°53 | 20°58 | 7°Y20 | 8°20 | 16°10 | 3°46 | 11°Y 1 | 14° 9 | 9°H31 | 9°17 | 13°31 | 6°31 | M 2 | |
| T 3 | 22 50 47 | 11° 7'47 | 1 ^h 12 | 7°35 | 22°12 | 7°12 | 8°33 | 16°12 | 3°47 | 11° 0 | 14°11 | 9°31 | 9°14 | 13°38 | 6°39 | T 3 | |
| W 4 | 22 54 43 | 12° 5'50 | 13°10 | 8°13 | 23°26 | 7° 3 | 8°46 | 16°13 | 3°47 | 10°58 | 14°13 | 9°D31 | 9°11 | 13°45 | 6°47 | W 4 | |
| T 5 | 22 58 40 | 13° 3'54 | 25°19 | 8°47 | 24°40 | 6°54 | 8°59 | 16°15 | 3°47 | 10°57 | 14°14 | 9°31 | 9° 8 | 13°51 | 6°55 | T 5 | |
| F 6 | 23 2 36 | 14° 2'00 | 7 ^h 342 | 9°17 | 25°53 | 6°44 | 9°12 | 16°16 | 3°47 | 10°56 | 14°16 | 9°31 | 9° 5 | 13°58 | 7° 4 | F 6 | |
| S 7 | 23 6 33 | 15° 0'08 | 20°24 | 9°42 | 27° 7 | 6°33 | 9°25 | 16°18 | 3°47 | 10°54 | 14°17 | 9°31 | 9° 2 | 14° 5 | 7°12 | S 7 | |
| S 8 | 23 10 29 | 15°58'17 | 3 ^h 27 | 10° 2 | 28°21 | 6°21 | 9°38 | 16°20 | 3°R47 | 10°53 | 14°19 | 9°32 | 8°58 | 14°12 | 7°20 | S 8 | |
| M 9 | 23 14 26 | 16°56'27 | 16°54 | 10°17 | 29°35 | 6° 9 | 9°51 | 16°22 | 3°47 | 10°51 | 14°20 | 9°33 | 8°55 | 14°18 | 7°28 | M 9 | |
| T 10 | 23 18 22 | 17°54'39 | 0 ^h 44 | 10°26 | 0 ^h 49 | 5°56 | 10° 4 | 16°24 | 3°47 | 10°50 | 14°22 | 9°33 | 8°52 | 14°25 | 7°36 | T 10 | |
| W11 | 23 22 19 | 18°52'52 | 14°56 | 10°R30 | 2° 3 | 5°42 | 10°17 | 16°26 | 3°47 | 10°48 | 14°23 | 9°R33 | 8°49 | 14°32 | 7°44 | W11 | |
| T 12 | 23 26 16 | 19°51'07 | 29°25 | 10°28 | 3°17 | 5°28 | 10°30 | 16°28 | 3°47 | 10°47 | 14°25 | 9°33 | 8°46 | 14°38 | 7°53 | T 12 | |
| F 13 | 23 30 12 | 20°49'24 | 14 ^h Y 5 | 10°19 | 4°31 | 5°14 | 10°43 | 16°30 | 3°47 | 10°45 | 14°26 | 9°32 | 8°42 | 14°45 | 8° 1 | F 13 | |
| S 14 | 23 34 9 | 21°47'43 | 28°51 | 10° 4 | 5°45 | 4°59 | 10°56 | 16°32 | 3°46 | 10°44 | 14°28 | 9°30 | 8°39 | 14°52 | 8° 9 | S 14 | |
| S 15 | 23 38 5 | 22°46'04 | 13 ^h 33 | 9°42 | 6°59 | 4°43 | 11° 9 | 16°35 | 3°46 | 10°42 | 14°29 | 9°29 | 8°36 | 14°58 | 8°17 | S 15 | |
| M16 | 23 42 2 | 23°44'27 | 28° 8 | 9°14 | 8°13 | 4°28 | 11°21 | 16°37 | 3°46 | 10°40 | 14°31 | 9°27 | 8°33 | 15° 5 | 8°25 | M16 | |
| T 17 | 23 45 58 | 24°42'52 | 12 ^h II29 | 8°39 | 9°27 | 4°12 | 11°34 | 16°40 | 3°45 | 10°39 | 14°32 | 9°26 | 8°30 | 15°12 | 8°33 | T 17 | |
| W18 | 23 49 55 | 25°41'19 | 26°33 | 7°57 | 10°42 | 3°55 | 11°47 | 16°43 | 3°45 | 10°37 | 14°34 | 9°D26 | 8°27 | 15°19 | 8°41 | W18 | |
| T 19 | 23 53 51 | 26°39'49 | 10°30 | 7°10 | 11°56 | 3°38 | 12° 0 | 16°46 | 3°44 | 10°36 | 14°35 | 9°27 | 8°23 | 15°25 | 8°49 | T 19 | |
| F 20 | 23 57 48 | 27°38'21 | 23°50 | 6°17 | 13°10 | 3°21 | 12°13 | 16°49 | 3°44 | 10°34 | 14°36 | 9°28 | 8°20 | 15°32 | 8°57 | F 20 | |
| S 21 | 0 1 45 | 28°36'55 | 7 ^h 0 3 | 5°19 | 14°25 | 3° 4 | 12°26 | 16°52 | 3°43 | 10°32 | 14°38 | 9°29 | 8°17 | 15°39 | 9° 5 | S 21 | |
| S 22 | 0 5 41 | 29°35'31 | 20° 1 | 4°18 | 15°39 | 2°47 | 12°38 | 16°55 | 3°42 | 10°31 | 14°39 | 9°30 | 8°14 | 15°45 | 9°13 | S 22 | |
| M23 | 0 9 38 | 0 ^h 34'09 | 2 ^h 45 | 3°14 | 16°53 | 2°30 | 12°51 | 16°58 | 3°42 | 10°29 | 14°40 | 9°31 | 8°11 | 15°52 | 9°21 | M23 | |
| T 24 | 0 13 34 | 1°32'49 | 15°17 | 2°10 | 18° 8 | 2°13 | 13° 4 | 17° 1 | 3°41 | 10°28 | 14°42 | 9°R31 | 8° 7 | 15°59 | 9°29 | T 24 | |
| W25 | 0 17 31 | 2°31'31 | 27°38 | 1° 6 | 19°22 | 1°55 | 13°17 | 17° 4 | 3°40 | 10°26 | 14°43 | 9°30 | 8° 4 | 16° 6 | 9°37 | W25 | |
| T 26 | 0 21 27 | 3°30'14 | 9 ^h 50 | 0° 4 | 20°37 | 1°38 | 13°29 | 17° 8 | 3°39 | 10°24 | 14°44 | 9°28 | 8° 1 | 16°12 | 9°45 | T 26 | |
| F 27 | 0 25 24 | 4°29'00 | 21°54 | 29 ^h 6 | 21°51 | 1°21 | 13°42 | 17°11 | 3°38 | 10°23 | 14°46 | 9°24 | 7°58 | 16°19 | 9°52 | F 27 | |
| S 28 | 0 29 20 | 5°27'48 | 3 ^h 51 | 28°13 | 23° 6 | 1° 4 | 13°54 | 17°15 | 3°37 | 10°21 | 14°47 | 9°20 | 7°55 | 16°26 | 10° 0 | S 28 | |
| S 29 | 0 33 17 | 6°26'38 | 15°44 | 27°27 | 24°21 | 0°48 | 14° 7 | 17°18 | 3°36 | 10°19 | 14°48 | 9°15 | 7°52 | 16°32 | 10° 8 | S 29 | |
| M30 | 0 37 13 | 7 ^h 25'29 | 27 ^m 34 | 26 ^h 49 | 25 ^h 35 | 0°Y32 | 14 ^h 19 | 17 ^h 22 | 3 ^h II35 | 10 ^h Y18 | 14 ^h 49 | 9°H11 | 7°H48 | 16 ^m 39 | 10 ^h 16 | M30 | |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|------|-------|------|------|------|-------|------|------|------|------|------|-------|------|-------|------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| S 1 | 8n 7 | 18s13 | 4s29 | 4s59 | 2s46 | 15n41 | 0n51 | 2s12 | 5s37 | 9n21 | 0n54 | 21s19 | 1n24 | 20n42 | 0s11 | 2n59 | 1s30 |
| M 2 | 7 45 | 22 18 | 4 58 | 5 25 | 2 56 | 15 20 | 0 53 | 2 15 | 5 37 | 9 16 | 0 54 | 21 19 | 1 23 | 20 42 | 0 11 | 2 59 | 1 30 |
| T 3 | 7 23 | 25 30 | 5 14 | 5 50 | 3 5 | 14 58 | 0 55 | 2 19 | 5 37 | 9 11 | 0 54 | 21 19 | 1 23 | 20 42 | 0 11 | 2 58 | 1 30 |
| W 4 | 7 1 | 27 35 | 5 16 | 6 13 | 3 13 | 14 35 | 0 57 | 2 22 | 5 37 | 9 7 | 0 54 | 21 20 | 1 23 | 20 42 | 0 11 | 2 58 | 1 30 |
| T 5 | 6 39 | 28 25 | 5 5 | 6 34 | 3 22 | 14 13 | 0 59 | 2 26 | 5 37 | 9 2 | 0 54 | 21 20 | 1 23 | 20 42 | 0 11 | 2 57 | 1 30 |
| F 6 | 6 17 | 27 51 | 4 40 | 6 53 | 3 30 | 13 50 | 1 1 | 2 29 | 5 37 | 8 57 | 0 54 | 21 20 | 1 22 | 20 42 | 0 11 | 2 56 | 1 30 |
| S 7 | 5 54 | 25 49 | 4 0 | 7 10 | 3 37 | 13 26 | 1 2 | 2 33 | 5 36 | 8 52 | 0 54 | 21 21 | 1 22 | 20 42 | 0 11 | 2 56 | 1 30 |
| S 8 | 5 32 | 22 24 | 3 7 | 7 24 | 3 44 | 13 2 | 1 4 | 2 37 | 5 35 | 8 47 | 0 54 | 21 21 | 1 22 | 20 42 | 0 11 | 2 55 | 1 30 |
| M 9 | 5 9 | 17 42 | 2 2 | 7 36 | 3 51 | 12 38 | 1 6 | 2 41 | 5 34 | 8 42 | 0 54 | 21 22 | 1 22 | 20 42 | 0 11 | 2 55 | 1 30 |
| T 10 | 4 46 | 11 58 | 0 49 | 7 45 | 3 56 | 12 13 | 1 7 | 2 45 | 5 33 | 8 38 | 0 54 | 21 22 | 1 22 | 20 42 | 0 11 | 2 54 | 1 30 |
| W11 | 4 24 | 5 28 | 0n30 | 7 51 | 4 1 | 11 48 | 1 9 | 2 49 | 5 32 | 8 33 | 0 54 | 21 22 | 1 21 | 20 42 | 0 11 | 2 53 | 1 30 |
| T 12 | 4 1 | 1n25 | 1 48 | 7 54 | 4 5 | 11 23 | 1 10 | 2 54 | 5 31 | 8 28 | 0 54 | 21 23 | 1 21 | 20 42 | 0 11 | 2 53 | 1 30 |
| F 13 | 3 38 | 8 19 | 3 0 | 7 53 | 4 8 | 10 58 | 1 12 | 2 58 | 5 29 | 8 23 | 0 55 | 21 23 | 1 21 | 20 42 | 0 11 | 2 52 | 1 30 |
| S 14 | 3 15 | 14 47 | 4 0 | 7 49 | 4 10 | 10 32 | 1 13 | 3 2 | 5 28 | 8 18 | 0 55 | 21 24 | 1 21 | 20 42 | 0 11 | 2 51 | 1 30 |
| S 15 | 2 52 | 20 24 | 4 44 | 7 41 | 4 11 | 10 6 | 1 15 | 3 7 | 5 26 | 8 13 | 0 55 | 21 24 | 1 21 | 20 42 | 0 11 | 2 51 | 1 30 |
| M16 | 2 29 | 24 45 | 5 10 | 7 29 | 4 10 | 9 39 | 1 16 | 3 11 | 5 24 | 8 9 | 0 55 | 21 25 | 1 21 | 20 42 | 0 11 | 2 50 | 1 30 |
| T 17 | 2 6 | 27 29 | 5 15 | 7 13 | 4 7 | 9 12 | 1 17 | 3 16 | 5 22 | 8 4 | 0 55 | 21 25 | 1 20 | 20 42 | 0 11 | 2 50 | 1 30 |
| W18 | 1 43 | 28 24 | 5 2 | 6 52 | 4 3 | 8 45 | 1 18 | 3 20 | 5 20 | 7 59 | 0 55 | 21 26 | 1 20 | 20 42 | 0 11 | 2 49 | 1 30 |
| T 19 | 1 20 | 27 31 | 4 31 | 6 28 | 3 57 | 8 18 | 1 19 | 3 24 | 5 17 | 7 54 | 0 55 | 21 26 | 1 20 | 20 42 | 0 11 | 2 48 | 1 30 |
| F 20 | 0 56 | 25 2 | 3 46 | 6 0 | 3 49 | 7 50 | 1 20 | 3 29 | 5 15 | 7 49 | 0 55 | 21 26 | 1 20 | 20 41 | 0 11 | 2 48 | 1 30 |
| S 21 | 0 33 | 21 14 | 2 50 | 5 28 | 3 39 | 7 23 | 1 21 | 3 33 | 5 12 | 7 45 | 0 55 | 21 27 | 1 20 | 20 41 | 0 11 | 2 47 | 1 30 |
| S 22 | 0 10 | 16 28 | 1 45 | 4 53 | 3 28 | 6 55 | 1 22 | 3 37 | 5 9 | 7 40 | 0 55 | 21 27 | 1 19 | 20 41 | 0 11 | 2 46 | 1 30 |
| M23 | 0s14 | 11 4 | 0 37 | 4 15 | 3 14 | 6 27 | 1 23 | 3 41 | 5 6 | 7 35 | 0 55 | 21 28 | 1 19 | 20 41 | 0 11 | 2 46 | 1 30 |
| T 24 | 0 37 | 5 18 | 0s32 | 3 35 | 2 59 | 5 58 | 1 23 | 3 45 | 5 3 | 7 30 | 0 55 | 21 28 | 1 19 | 20 41 | 0 11 | 2 45 | 1 30 |
| W25 | 1 0 | 0s34 | 1 38 | 2 55 | 2 42 | 5 30 | 1 24 | 3 49 | 4 59 | 7 25 | 0 56 | 21 29 | 1 19 | 20 41 | 0 11 | 2 44 | 1 30 |
| T 26 | 1 24 | 6 20 | 2 39 | 2 13 | 2 24 | 5 1 | 1 25 | 3 52 | 4 56 | 7 21 | 0 56 | 21 29 | 1 19 | 20 41 | 0 11 | 2 44 | 1 30 |
| F 27 | 1 47 | 11 48 | 3 32 | 1 33 | 2 4 | 4 32 | 1 25 | 3 56 | 4 52 | 7 16 | 0 56 | 21 30 | 1 18 | 20 40 | 0 11 | 2 43 | 1 30 |
| S 28 | 2 10 | 16 47 | 4 15 | 0 53 | 1 45 | 4 3 | 1 26 | 3 59 | 4 48 | 7 11 | 0 56 | 21 30 | 1 18 | 20 40 | 0 11 | 2 42 | 1 30 |
| S 29 | 2 33 | 21 6 | 4 47 | 0 17 | 1 24 | 3 34 | 1 26 | 4 2 | 4 45 | 7 6 | 0 56 | 21 31 | 1 18 | 20 40 | 0 11 | 2 42 | 1 30 |
| M30 | 2s57 | 24s34 | 5s 6 | 0n17 | 1s 4 | 3n 5 | 1n27 | 4s 5 | 4s41 | 7n 2 | 0n56 | 21s32 | 1n18 | 20n40 | 0s11 | 2n41 | 1s30 |

Julian Day Number = 2522280.5, Delta T = 156.93 sec
 Ecliptic obliquity = 23°25'00, Nutation = 0°00'06, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°26'48, Lahiri = 26°33'49

ASTRODIENST EPHEMERIS for the year 2193
geocentric

OCTOBER 2193

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|-------|--------|-------|--------|-------|-------|-------|--------|-------|-------|------|-------|-------|------|
| T 1 | 0 41 10 | 8♂24'23 | 9♂26 | 26°R20 | 26♂50 | 0°R16 | 14♂32 | 17♂26 | 3°R34 | 10°R16 | 14♂50 | 9°R 7 | 7♂45 | 16♂46 | 10♂23 | T 1 |
| W 2 | 0 45 7 | 9°23'18 | 21°23 | 26♂ 0 | 28° 5 | 0°Y 0 | 14°44 | 17°30 | 3♂33 | 10°Y14 | 14°52 | 9♂ 4 | 7°42 | 16°53 | 10°31 | W 2 |
| T 3 | 0 49 3 | 10°22'15 | 3♂29 | 25°D51 | 29°19 | 29♂45 | 14°57 | 17°34 | 3°32 | 10°13 | 14°53 | 9° 2 | 7°39 | 16°59 | 10°39 | T 3 |
| F 4 | 0 53 0 | 11°21'14 | 15°48 | 25°52 | 0♂34 | 29°30 | 15° 9 | 17°38 | 3°31 | 10°11 | 14°54 | 9°D 2 | 7°36 | 17° 6 | 10°46 | F 4 |
| S 5 | 0 56 56 | 12°20'14 | 28°25 | 26° 3 | 1°49 | 29°16 | 15°21 | 17°42 | 3°29 | 10° 9 | 14°55 | 9° 3 | 7°33 | 17°13 | 10°54 | S 5 |
| S 6 | 1 0 53 | 13°19'16 | 11♂24 | 26°24 | 3° 3 | 29° 2 | 15°34 | 17°46 | 3°28 | 10° 8 | 14°56 | 9° 5 | 7°29 | 17°19 | 11° 1 | S 6 |
| M 7 | 1 4 49 | 14°18'20 | 24°49 | 26°56 | 4°18 | 28°49 | 15°46 | 17°51 | 3°27 | 10° 6 | 14°57 | 9° 6 | 7°26 | 17°26 | 11° 9 | M 7 |
| T 8 | 1 8 46 | 15°17'25 | 8♂42 | 27°36 | 5°33 | 28°37 | 15°58 | 17°55 | 3°25 | 10° 4 | 14°58 | 9°R 7 | 7°23 | 17°33 | 11°16 | T 8 |
| W 9 | 1 12 42 | 16°16'33 | 23° 1 | 28°25 | 6°48 | 28°25 | 16°10 | 17°59 | 3°24 | 10° 3 | 14°59 | 9° 6 | 7°20 | 17°40 | 11°24 | W 9 |
| T 10 | 1 16 39 | 17°15'42 | 7°Y45 | 29°22 | 8° 3 | 28°14 | 16°22 | 18° 4 | 3°22 | 10° 1 | 15° 0 | 9° 4 | 7°17 | 17°46 | 11°31 | T 10 |
| F 11 | 1 20 36 | 18°14'53 | 22°45 | 0♂25 | 9°18 | 28° 3 | 16°34 | 18° 9 | 3°21 | 9°59 | 15° 1 | 8°59 | 7°13 | 17°53 | 11°38 | F 11 |
| S 12 | 1 24 32 | 19°14'06 | 7♂54 | 1°36 | 10°32 | 27°53 | 16°46 | 18°13 | 3°19 | 9°58 | 15° 2 | 8°54 | 7°10 | 18° 0 | 11°45 | S 12 |
| S 13 | 1 28 29 | 20°13'22 | 23° 2 | 2°52 | 11°47 | 27°44 | 16°58 | 18°18 | 3°18 | 9°56 | 15° 3 | 8°47 | 7° 7 | 18° 6 | 11°53 | S 13 |
| M14 | 1 32 25 | 21°12'40 | 7♂58 | 4°13 | 13° 2 | 27°36 | 17°10 | 18°23 | 3°16 | 9°54 | 15° 4 | 8°42 | 7° 4 | 18°13 | 12° 0 | M14 |
| T 15 | 1 36 22 | 22°12'00 | 22°35 | 5°38 | 14°17 | 27°28 | 17°22 | 18°28 | 3°14 | 9°53 | 15° 5 | 8°37 | 7° 1 | 18°20 | 12° 7 | T 15 |
| W16 | 1 40 18 | 23°11'22 | 6♂49 | 7° 6 | 15°32 | 27°21 | 17°33 | 18°32 | 3°13 | 9°51 | 15° 5 | 8°34 | 6°58 | 18°27 | 12°14 | W16 |
| T 17 | 1 44 15 | 24°10'47 | 20°38 | 8°38 | 16°47 | 27°15 | 17°45 | 18°37 | 3°11 | 9°50 | 15° 6 | 8°D32 | 6°54 | 18°33 | 12°21 | T 17 |
| F 18 | 1 48 11 | 25°10'14 | 4♂ 2 | 10°12 | 18° 2 | 27°10 | 17°57 | 18°43 | 3° 9 | 9°48 | 15° 7 | 8°33 | 6°51 | 18°40 | 12°28 | F 18 |
| S 19 | 1 52 8 | 26° 9'43 | 17° 4 | 11°49 | 19°17 | 27° 5 | 18° 8 | 18°48 | 3° 7 | 9°46 | 15° 8 | 8°34 | 6°48 | 18°47 | 12°35 | S 19 |
| S 20 | 1 56 5 | 27° 9'15 | 29°48 | 13°27 | 20°32 | 27° 1 | 18°20 | 18°53 | 3° 5 | 9°45 | 15° 8 | 8°35 | 6°45 | 18°53 | 12°42 | S 20 |
| M21 | 2 0 1 | 28° 8'48 | 12♂17 | 15° 6 | 21°47 | 26°58 | 18°31 | 18°58 | 3° 4 | 9°43 | 15° 9 | 8°R35 | 6°42 | 19° 0 | 12°48 | M21 |
| T 22 | 2 3 58 | 29° 8'24 | 24°33 | 16°46 | 23° 2 | 26°56 | 18°42 | 19° 3 | 3° 2 | 9°42 | 15°10 | 8°34 | 6°39 | 19° 7 | 12°55 | T 22 |
| W23 | 2 7 54 | 0♂ 8'02 | 6♂41 | 18°27 | 24°18 | 26°54 | 18°54 | 19° 9 | 3° 0 | 9°40 | 15°10 | 8°30 | 6°35 | 19°14 | 13° 2 | W23 |
| T 24 | 2 11 51 | 1° 7'42 | 18°42 | 20° 8 | 25°33 | 26°D53 | 19° 5 | 19°14 | 2°58 | 9°39 | 15°11 | 8°24 | 6°32 | 19°20 | 13° 8 | T 24 |
| F 25 | 2 15 47 | 2° 7'24 | 0♂38 | 21°50 | 26°48 | 26°54 | 19°16 | 19°20 | 2°56 | 9°37 | 15°12 | 8°15 | 6°29 | 19°27 | 13°15 | F 25 |
| S 26 | 2 19 44 | 3° 7'09 | 12°32 | 23°31 | 28° 3 | 26°54 | 19°27 | 19°25 | 2°54 | 9°36 | 15°12 | 8° 5 | 6°26 | 19°34 | 13°21 | S 26 |
| S 27 | 2 23 40 | 4° 6'55 | 24°23 | 25°13 | 29°18 | 26°56 | 19°38 | 19°31 | 2°51 | 9°34 | 15°13 | 7°54 | 6°23 | 19°40 | 13°28 | S 27 |
| M28 | 2 27 37 | 5° 6'43 | 6♂14 | 26°55 | 0♂33 | 26°59 | 19°49 | 19°37 | 2°49 | 9°33 | 15°13 | 7°42 | 6°19 | 19°47 | 13°34 | M28 |
| T 29 | 2 31 34 | 6° 6'33 | 18° 8 | 28°36 | 1°48 | 27° 2 | 20° 0 | 19°42 | 2°47 | 9°31 | 15°14 | 7°32 | 6°16 | 19°54 | 13°40 | T 29 |
| W30 | 2 35 30 | 7° 6'25 | 0♂ 5 | 0♂17 | 3° 4 | 27° 6 | 20°10 | 19°48 | 2°45 | 9°30 | 15°14 | 7°24 | 6°13 | 20° 1 | 13°47 | W30 |
| T 31 | 2 39 27 | 8♂ 6'18 | 12♂10 | 1♂58 | 4♂19 | 27♂11 | 20♂21 | 19♂54 | 2♂43 | 9°Y28 | 15♂15 | 7♂18 | 6♂10 | 20♂ 7 | 13♂53 | T 31 |

| Day | ☉ | ☾ | | ♀ | | ♀ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | | ♂ | |
|------|-------|-------|------|-------|------|-------|------|------|------|------|------|-------|------|-------|------|------|------|-------|------|------|------|-------|------|------|-----|------|-----|------|-----|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| T 1 | 3s20 | 26s59 | 5s12 | 0n47 | 0s44 | 2n35 | 1n27 | 4s 8 | 4s37 | 6n57 | 0n56 | 21s32 | 1n18 | 20n40 | 0s11 | 2n40 | 1s30 | 22n12 | 6n 7 | 8s 9 | 8s39 | 21s26 | 2n55 | 5s 8 | | | | | |
| W 2 | 3 43 | 28 13 | 5 5 | 1 13 | 0 25 | 2 6 | 1 27 | 4 10 | 4 32 | 6 52 | 0 56 | 21 33 | 1 18 | 20 39 | 0 11 | 2 40 | 1 30 | 22 12 | 6 7 | 8 10 | 8 40 | 21 28 | 2 52 | 5 8 | | | | | |
| T 3 | 4 6 | 28 7 | 4 45 | 1 33 | 0 6 | 1 36 | 1 27 | 4 12 | 4 28 | 6 48 | 0 56 | 21 33 | 1 17 | 20 39 | 0 11 | 2 39 | 1 30 | 22 12 | 6 7 | 8 10 | 8 42 | 21 30 | 2 49 | 5 8 | | | | | |
| F 4 | 4 29 | 26 38 | 4 11 | 1 49 | 0n11 | 1 7 | 1 27 | 4 14 | 4 24 | 6 43 | 0 57 | 21 34 | 1 17 | 20 39 | 0 11 | 2 38 | 1 30 | 22 12 | 6 7 | 8 10 | 8 43 | 21 33 | 2 46 | 5 8 | | | | | |
| S 5 | 4 52 | 23 47 | 3 24 | 2 0 | 0 28 | 0 37 | 1 27 | 4 15 | 4 19 | 6 38 | 0 57 | 21 34 | 1 17 | 20 39 | 0 11 | 2 38 | 1 30 | 22 12 | 6 8 | 8 10 | 8 44 | 21 35 | 2 43 | 5 8 | | | | | |
| S 6 | 5 15 | 19 40 | 2 25 | 2 5 | 0 43 | 0 7 | 1 27 | 4 17 | 4 15 | 6 34 | 0 57 | 21 35 | 1 17 | 20 39 | 0 11 | 2 37 | 1 31 | 22 12 | 6 8 | 8 10 | 8 45 | 21 37 | 2 40 | 5 8 | | | | | |
| M 7 | 5 38 | 14 27 | 1 17 | 2 5 | 0 57 | 0s23 | 1 27 | 4 18 | 4 10 | 6 29 | 0 57 | 21 35 | 1 17 | 20 38 | 0 11 | 2 36 | 1 31 | 22 11 | 6 8 | 8 9 | 8 46 | 21 39 | 2 37 | 5 8 | | | | | |
| T 8 | 6 1 | 8 20 | 0 2 | 2 1 | 1 9 | 0 52 | 1 27 | 4 18 | 4 6 | 6 24 | 0 57 | 21 36 | 1 16 | 20 38 | 0 11 | 2 36 | 1 31 | 22 11 | 6 8 | 8 9 | 8 47 | 21 42 | 2 34 | 5 8 | | | | | |
| W 9 | 6 24 | 1 37 | 1n15 | 1 51 | 1 20 | 1 22 | 1 27 | 4 19 | 4 1 | 6 20 | 0 57 | 21 36 | 1 16 | 20 38 | 0 11 | 2 35 | 1 31 | 22 11 | 6 8 | 8 9 | 8 49 | 21 44 | 2 31 | 5 9 | | | | | |
| T 10 | 6 46 | 5n21 | 2 29 | 1 37 | 1 29 | 1 52 | 1 26 | 4 19 | 3 56 | 6 15 | 0 57 | 21 37 | 1 16 | 20 37 | 0 11 | 2 35 | 1 31 | 22 11 | 6 9 | 8 10 | 8 50 | 21 46 | 2 29 | 5 9 | | | | | |
| F 11 | 7 9 | 12 10 | 3 35 | 1 19 | 1 37 | 2 22 | 1 26 | 4 19 | 3 52 | 6 11 | 0 57 | 21 38 | 1 16 | 20 37 | 0 11 | 2 34 | 1 31 | 22 11 | 6 9 | 8 12 | 8 51 | 21 48 | 2 26 | 5 9 | | | | | |
| S 12 | 7 31 | 18 19 | 4 25 | 0 57 | 1 44 | 2 52 | 1 25 | 4 18 | 3 47 | 6 6 | 0 57 | 21 38 | 1 16 | 20 37 | 0 11 | 2 33 | 1 31 | 22 11 | 6 9 | 8 14 | 8 52 | 21 50 | 2 23 | 5 9 | | | | | |
| S 13 | 7 54 | 23 18 | 4 57 | 0 32 | 1 49 | 3 21 | 1 25 | 4 18 | 3 42 | 6 2 | 0 58 | 21 39 | 1 16 | 20 37 | 0 11 | 2 33 | 1 30 | 22 11 | 6 9 | 8 16 | 8 53 | 21 53 | 2 20 | 5 9 | | | | | |
| M14 | 8 16 | 26 42 | 5 9 | 0 4 | 1 54 | 3 51 | 1 24 | 4 17 | 3 37 | 5 57 | 0 58 | 21 39 | 1 15 | 20 36 | 0 11 | 2 32 | 1 30 | 22 11 | 6 10 | 8 18 | 8 55 | 21 55 | 2 17 | 5 9 | | | | | |
| T 15 | 8 38 | 28 12 | 5 0 | 0s27 | 1 57 | 4 20 | 1 24 | 4 15 | 3 33 | 5 53 | 0 58 | 21 40 | 1 15 | 20 36 | 0 11 | 2 31 | 1 30 | 22 11 | 6 10 | 8 20 | 8 56 | 21 57 | 2 14 | 5 9 | | | | | |
| W16 | 9 0 | 27 47 | 4 32 | 1 0 | 1 59 | 4 50 | 1 23 | 4 14 | 3 28 | 5 48 | 0 58 | 21 41 | 1 15 | 20 36 | 0 11 | 2 31 | 1 30 | 22 11 | 6 10 | 8 21 | 8 57 | 21 59 | 2 11 | 5 10 | | | | | |
| T 17 | 9 22 | 25 37 | 3 50 | 1 35 | 2 0 | 5 19 | 1 22 | 4 12 | 3 23 | 5 44 | 0 58 | 21 41 | 1 15 | 20 35 | 0 11 | 2 30 | 1 30 | 22 11 | 6 10 | 8 22 | 8 58 | 22 1 | 2 9 | 5 10 | | | | | |
| F 18 | 9 44 | 22 4 | 2 55 | 2 12 | 2 0 | 5 49 | 1 21 | 4 10 | 3 18 | 5 39 | 0 58 | 21 42 | 1 15 | 20 35 | 0 11 | 2 29 | 1 30 | 22 11 | 6 10 | 8 22 | 8 59 | 22 3 | 2 6 | 5 10 | | | | | |
| S 19 | 10 5 | 17 30 | 1 53 | 2 50 | 1 59 | 6 18 | 1 20 | 4 7 | 3 13 | 5 35 | 0 58 | 21 42 | 1 15 | 20 35 | 0 11 | 2 29 | 1 30 | 22 11 | 6 11 | 8 21 | 9 0 | 22 6 | 2 3 | 5 10 | | | | | |
| S 20 | 10 27 | 12 16 | 0 47 | 3 30 | 1 58 | 6 47 | 1 20 | 4 4 | 3 9 | 5 31 | 0 59 | 21 43 | 1 15 | 20 34 | 0 11 | 2 28 | 1 30 | 22 11 | 6 11 | 8 21 | 9 2 | 22 8 | 2 0 | 5 10 | | | | | |
| M21 | 10 48 | 6 39 | 0s20 | 4 10 | 1 55 | 7 16 | 1 18 | 4 1 | 3 4 | 5 26 | 0 59 | 21 43 | 1 14 | 20 34 | 0 11 | 2 28 | 1 30 | 22 11 | 6 11 | 8 21 | 9 3 | 22 10 | 1 58 | 5 11 | | | | | |
| T 22 | 11 9 | 0 52 | 1 25 | 4 51 | 1 53 | 7 45 | 1 17 | 3 58 | 2 59 | 5 22 | 0 59 | 21 44 | 1 14 | 20 33 | 0 11 | 2 27 | 1 30 | 22 11 | 6 11 | 8 21 | 9 4 | 22 12 | 1 55 | 5 11 | | | | | |
| W23 | 11 31 | 4s52 | 2 25 | 5 32 | 1 49 | 8 14 | 1 16 | 3 54 | 2 54 | 5 18 | 0 59 | 21 45 | 1 14 | 20 33 | 0 11 | 2 26 | 1 30 | 22 11 | 6 12 | 8 23 | 9 5 | 22 14 | 1 52 | 5 11 | | | | | |
| T 24 | 11 51 | 10 22 | 3 18 | 6 14 | 1 46 | 8 42 | 1 15 | 3 50 | 2 50 | 5 13 | 0 59 | 21 45 | 1 14 | 20 33 | 0 11 | 2 26 | 1 30 | 22 11 | 6 12 | 8 25 | 9 6 | 22 16 | 1 49 | 5 11 | | | | | |
| F 25 | 12 12 | 15 27 | 4 2 | 6 56 | 1 41 | 9 10 | 1 14 | 3 46 | 2 45 | 5 9 | 0 59 | 21 46 | 1 14 | 20 32 | 0 11 | 2 25 | 1 30 | 22 11 | 6 12 | 8 28 | 9 7 | 22 18 | 1 47 | 5 12 | | | | | |
| S 26 | 12 32 | 19 56 | 4 35 | 7 38 | 1 37 | 9 38 | 1 13 | 3 41 | 2 41 | 5 5 | 0 59 | 21 46 | 1 14 | 20 32 | 0 11 | 2 25 | 1 30 | 22 11 | 6 12 | 8 32 | 9 9 | 22 21 | 1 44 | 5 12 | | | | | |
| S 27 | 12 53 | 23 37 | 4 56 | 8 19 | 1 32 | 10 6 | 1 11 | 3 36 | 2 36 | 5 1 | 1 0 | 21 47 | 1 13 | 20 32 | 0 11 | 2 24 | 1 30 | 22 11 | 6 13 | 8 36 | 9 10 | 22 23 | 1 41 | 5 12 | | | | | |
| M28 | 13 13 | 26 19 | 5 4 | 9 1 | 1 27 | 10 34 | 1 10 | 3 31 | 2 31 | 4 57 | 1 0 | 21 47 | 1 13 | 20 31 | 0 11 | 2 24 | 1 30 | 22 11 | 6 13 | 8 40 | 9 11 | 22 25 | 1 39 | 5 12 | | | | | |
| T 29 | 13 33 | 27 51 | 4 59 | 9 42 | 1 21 | 11 1 | 1 8 | 3 26 | 2 27 | 4 53 | 1 0 | 21 48 | 1 13 | 20 31 | 0 11 | 2 23 | 1 30 | 22 11 | 6 13 | 8 44 | 9 12 | 22 27 | 1 36 | 5 13 | | | | | |
| W30 | 13 52 | 28 6 | 4 41 | 10 23 | 1 15 | 11 28 | 1 7 | 3 20 | 2 23 | 4 49 | 1 0 | 21 49 | 1 13 | 20 30 | 0 11 | 2 22 | 1 30 | 22 11 | 6 13 | 8 47 | 9 13 | 22 29 | 1 33 | 5 13 | | | | | |
| T 31 | 14s12 | 27s 1 | 4s10 | 11s 4 | 1n 9 | 11s55 | 1n 5 | 3s14 | 2s18 | 4n45 | 1n 0 | 21s49 | 1n13 | 20n30 | 0s11 | 2n22 | 1s30 | 22n11 | 6n13 | 8s49 | 9s14 | 22s31 | 1n31 | 5s13 | | | | | |

Julian Day Number = 2522310.5, Delta T = 157.01 sec
Ecliptic obliquity = 23°25'00, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°26'52, Lahiri = 26°33'53

ASTRODIENST EPHEMERIS for the year 2193
geocentric

NOVEMBER 2193

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|------|-------|-------|------|
| F 1 | 2 43 23 | 9♉ 6°13 | 24♊26 | 3♉39 | 5♉34 | 27♋17 | 20♊32 | 20♊ 0 | 2°R41 | 9°R27 | 15♉15 | 7°R15 | 6♋ 7 | 20♉14 | 13♊59 | F 1 |
| S 2 | 2 47 20 | 10° 6'10 | 6♊58 | 5°19 | 6°49 | 27°23 | 20°42 | 20° 6 | 2♉38 | 9°Y25 | 15°16 | 7°D13 | 6° 4 | 20°21 | 14° 5 | S 2 |
| S 3 | 2 51 16 | 11° 6'08 | 19°50 | 6°59 | 8° 4 | 27°30 | 20°53 | 20°12 | 2°36 | 9°24 | 15°16 | 7♋14 | 6° 0 | 20°28 | 14°11 | S 3 |
| M 4 | 2 55 13 | 12° 6'08 | 3♋ 7 | 8°38 | 9°20 | 27°38 | 21° 3 | 20°18 | 2°34 | 9°23 | 15°16 | 7°R14 | 5°57 | 20°34 | 14°17 | M 4 |
| T 5 | 2 59 9 | 13° 6'09 | 16°51 | 10°17 | 10°35 | 27°47 | 21°13 | 20°24 | 2°31 | 9°21 | 15°17 | 7°14 | 5°54 | 20°41 | 14°22 | T 5 |
| W 6 | 3 3 6 | 14° 6'12 | 1°Y 4 | 11°56 | 11°50 | 27°56 | 21°23 | 20°30 | 2°29 | 9°20 | 15°17 | 7°12 | 5°51 | 20°48 | 14°28 | W 6 |
| T 7 | 3 7 3 | 15° 6'17 | 15°45 | 13°34 | 13° 5 | 28° 6 | 21°33 | 20°36 | 2°27 | 9°19 | 15°17 | 7° 7 | 5°48 | 20°54 | 14°34 | T 7 |
| F 8 | 3 10 59 | 16° 6'23 | 0♊50 | 15°11 | 14°21 | 28°17 | 21°43 | 20°42 | 2°24 | 9°18 | 15°17 | 7° 0 | 5°45 | 21° 1 | 14°39 | F 8 |
| S 9 | 3 14 56 | 17° 6'31 | 16° 8 | 16°49 | 15°36 | 28°28 | 21°53 | 20°49 | 2°22 | 9°16 | 15°18 | 6°50 | 5°41 | 21° 8 | 14°45 | S 9 |
| S 10 | 3 18 52 | 18° 6'41 | 1♉30 | 18°25 | 16°51 | 28°40 | 22° 3 | 20°55 | 2°20 | 9°15 | 15°18 | 6°40 | 5°38 | 21°15 | 14°50 | S 10 |
| M11 | 3 22 49 | 19° 6'53 | 16°43 | 20° 2 | 18° 7 | 28°53 | 22°12 | 21° 1 | 2°17 | 9°14 | 15°18 | 6°29 | 5°35 | 21°21 | 14°55 | M11 |
| T 12 | 3 26 45 | 20° 7'06 | 1♊37 | 21°38 | 19°22 | 29° 6 | 22°22 | 21° 8 | 2°15 | 9°13 | 15°18 | 6°20 | 5°32 | 21°28 | 15° 1 | T 12 |
| W13 | 3 30 42 | 21° 7'22 | 16° 6 | 23°14 | 20°37 | 29°20 | 22°31 | 21°14 | 2°12 | 9°12 | 15°18 | 6°14 | 5°29 | 21°35 | 15° 6 | W13 |
| T 14 | 3 34 38 | 22° 7'39 | 0♉ 4 | 24°49 | 21°53 | 29°34 | 22°41 | 21°20 | 2°10 | 9°10 | 15°18 | 6° 9 | 5°25 | 21°41 | 15°11 | T 14 |
| F 15 | 3 38 35 | 23° 7'59 | 13°34 | 26°24 | 23° 8 | 29°49 | 22°50 | 21°27 | 2° 7 | 9° 9 | 15°18 | 6° 8 | 5°22 | 21°48 | 15°16 | F 15 |
| S 16 | 3 42 32 | 24° 8'20 | 26°36 | 27°59 | 24°23 | 0°Y 5 | 22°59 | 21°33 | 2° 5 | 9° 8 | 15°R18 | 6°D 7 | 5°19 | 21°55 | 15°21 | S 16 |
| S 17 | 3 46 28 | 25° 8'44 | 9♊16 | 29°33 | 25°39 | 0°21 | 23° 8 | 21°40 | 2° 2 | 9° 7 | 15°18 | 6°R 8 | 5°16 | 22° 2 | 15°25 | S 17 |
| M18 | 3 50 25 | 26° 9'09 | 21°38 | 1♊ 8 | 26°54 | 0°38 | 23°17 | 21°47 | 2° 0 | 9° 6 | 15°18 | 6° 7 | 5°13 | 22° 8 | 15°30 | M18 |
| T 19 | 3 54 21 | 27° 9'36 | 3♊47 | 2°41 | 28° 9 | 0°55 | 23°26 | 21°53 | 1°57 | 9° 5 | 15°18 | 6° 4 | 5°10 | 22°15 | 15°35 | T 19 |
| W20 | 3 58 18 | 28°10'05 | 15°46 | 4°15 | 29°25 | 1°13 | 23°34 | 22° 0 | 1°55 | 9° 4 | 15°18 | 5°58 | 5° 6 | 22°22 | 15°39 | W20 |
| T 21 | 4 2 14 | 29°10'35 | 27°40 | 5°49 | 0♊40 | 1°31 | 23°43 | 22° 7 | 1°52 | 9° 3 | 15°18 | 5°50 | 5° 3 | 22°28 | 15°44 | T 21 |
| F 22 | 4 6 11 | 0♊11'07 | 9♉32 | 7°22 | 1°55 | 1°50 | 23°51 | 22°13 | 1°50 | 9° 2 | 15°18 | 5°38 | 5° 0 | 22°35 | 15°48 | F 22 |
| S 23 | 4 10 7 | 1°11'41 | 21°23 | 8°55 | 3°11 | 2° 9 | 24° 0 | 22°20 | 1°47 | 9° 2 | 15°17 | 5°24 | 4°57 | 22°42 | 15°52 | S 23 |
| S 24 | 4 14 4 | 2°12'17 | 3♊16 | 10°28 | 4°26 | 2°29 | 24° 8 | 22°27 | 1°45 | 9° 1 | 15°17 | 5° 9 | 4°54 | 22°49 | 15°56 | S 24 |
| M25 | 4 18 1 | 3°12'54 | 15°11 | 12° 0 | 5°41 | 2°50 | 24°16 | 22°34 | 1°42 | 9° 0 | 15°17 | 4°54 | 4°51 | 22°55 | 16° 0 | M25 |
| T 26 | 4 21 57 | 4°13'32 | 27°10 | 13°33 | 6°57 | 3°10 | 24°24 | 22°40 | 1°40 | 8°59 | 15°17 | 4°40 | 4°47 | 23° 2 | 16° 4 | T 26 |
| W27 | 4 25 54 | 5°14'12 | 9♊13 | 15° 5 | 8°12 | 3°32 | 24°31 | 22°47 | 1°37 | 8°58 | 15°16 | 4°28 | 4°44 | 23° 9 | 16° 8 | W27 |
| T 28 | 4 29 50 | 6°14'53 | 21°24 | 16°37 | 9°28 | 3°53 | 24°39 | 22°54 | 1°35 | 8°58 | 15°16 | 4°20 | 4°41 | 23°16 | 16°12 | T 28 |
| F 29 | 4 33 47 | 7°15'35 | 3♊44 | 18° 9 | 10°43 | 4°16 | 24°47 | 23° 1 | 1°32 | 8°57 | 15°16 | 4°14 | 4°38 | 23°22 | 16°16 | F 29 |
| S 30 | 4 37 43 | 8♊16'18 | 16♊17 | 19♊41 | 11♊58 | 4°Y38 | 24♊54 | 23♊ 8 | 1♉30 | 8°Y56 | 15♉15 | 4♋11 | 4♋35 | 23♉29 | 16♊19 | S 30 |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | decl | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat |
| F 1 | 14s31 | 24s37 | 3s27 | 11s44 | 1n 3 | 12s22 | 1n 4 | 3s 8 | 2s14 | 4n41 | 1n 0 | 21s50 | 1n13 | 20n29 | 0s11 | 2n21 |
| S 2 | 14 50 | 21 0 | 2 34 | 12 23 | 0 57 | 12 48 | 1 2 | 3 1 | 2 10 | 4 37 | 1 1 | 21 50 | 1 13 | 20 29 | 0 11 | 2 21 |
| S 3 | 15 9 | 16 18 | 1 31 | 13 2 | 0 50 | 13 14 | 1 0 | 2 55 | 2 6 | 4 33 | 1 1 | 21 51 | 1 13 | 20 29 | 0 11 | 2 21 |
| M 4 | 15 27 | 10 42 | 0 12 | 13 41 | 0 44 | 13 40 | 0 59 | 2 48 | 2 1 | 4 29 | 1 1 | 21 52 | 1 12 | 20 28 | 0 11 | 2 20 |
| T 5 | 15 45 | 4 24 | 0n51 | 14 18 | 0 37 | 14 5 | 0 57 | 2 41 | 1 57 | 4 25 | 1 1 | 21 52 | 1 12 | 20 28 | 0 11 | 2 19 |
| W 6 | 16 3 | 2n18 | 2 3 | 14 55 | 0 31 | 14 30 | 0 55 | 2 33 | 1 53 | 4 21 | 1 1 | 21 53 | 1 12 | 20 27 | 0 11 | 2 19 |
| T 7 | 16 21 | 9 6 | 3 9 | 15 31 | 0 24 | 14 55 | 0 53 | 2 26 | 1 49 | 4 17 | 1 2 | 21 53 | 1 12 | 20 27 | 0 11 | 2 18 |
| F 8 | 16 38 | 15 34 | 4 4 | 16 6 | 0 17 | 15 19 | 0 51 | 2 18 | 1 45 | 4 14 | 1 2 | 21 54 | 1 12 | 20 26 | 0 11 | 2 18 |
| S 9 | 16 56 | 21 9 | 4 42 | 16 41 | 0 10 | 15 43 | 0 49 | 2 10 | 1 42 | 4 10 | 1 2 | 21 54 | 1 12 | 20 26 | 0 11 | 2 17 |
| S 10 | 17 12 | 25 20 | 5 0 | 17 14 | 0 3 | 16 6 | 0 47 | 2 2 | 1 38 | 4 6 | 1 2 | 21 55 | 1 12 | 20 25 | 0 11 | 2 17 |
| M11 | 17 29 | 27 40 | 4 57 | 17 47 | 0s 3 | 16 29 | 0 45 | 1 53 | 1 34 | 4 3 | 1 2 | 21 55 | 1 12 | 20 25 | 0 11 | 2 17 |
| T 12 | 17 45 | 27 57 | 4 33 | 18 19 | 0 10 | 16 52 | 0 43 | 1 44 | 1 30 | 3 59 | 1 2 | 21 56 | 1 11 | 20 24 | 0 11 | 2 16 |
| W13 | 18 1 | 26 17 | 3 52 | 18 50 | 0 17 | 17 14 | 0 41 | 1 36 | 1 27 | 3 55 | 1 3 | 21 56 | 1 11 | 20 24 | 0 11 | 2 16 |
| T 14 | 18 17 | 23 1 | 2 58 | 19 20 | 0 23 | 17 35 | 0 39 | 1 27 | 1 23 | 3 52 | 1 3 | 21 57 | 1 11 | 20 23 | 0 11 | 2 15 |
| F 15 | 18 32 | 18 36 | 1 56 | 19 49 | 0 30 | 17 57 | 0 37 | 1 18 | 1 20 | 3 48 | 1 3 | 21 58 | 1 11 | 20 23 | 0 11 | 2 15 |
| S 16 | 18 47 | 13 25 | 0 50 | 20 17 | 0 36 | 18 17 | 0 35 | 1 8 | 1 16 | 3 45 | 1 3 | 21 58 | 1 11 | 20 23 | 0 11 | 2 14 |
| S 17 | 19 2 | 7 50 | 0s17 | 20 44 | 0 43 | 18 38 | 0 32 | 0 59 | 1 13 | 3 42 | 1 3 | 21 59 | 1 11 | 20 22 | 0 11 | 2 14 |
| M18 | 19 16 | 2 4 | 1 21 | 21 10 | 0 49 | 18 57 | 0 30 | 0 49 | 1 10 | 3 38 | 1 4 | 21 59 | 1 11 | 20 22 | 0 11 | 2 14 |
| T 19 | 19 30 | 3s39 | 2 21 | 21 35 | 0 55 | 19 17 | 0 28 | 0 39 | 1 7 | 3 35 | 1 4 | 22 0 | 1 11 | 20 21 | 0 11 | 2 13 |
| W20 | 19 44 | 9 10 | 3 13 | 21 59 | 1 1 | 19 35 | 0 26 | 0 29 | 1 3 | 3 32 | 1 4 | 22 0 | 1 11 | 20 21 | 0 11 | 2 13 |
| T 21 | 19 57 | 14 19 | 3 56 | 22 22 | 1 7 | 19 53 | 0 23 | 0 19 | 1 0 | 3 29 | 1 4 | 22 1 | 1 10 | 20 20 | 0 11 | 2 13 |
| F 22 | 20 10 | 18 54 | 4 29 | 22 43 | 1 13 | 20 11 | 0 21 | 0 9 | 0 57 | 3 25 | 1 4 | 22 1 | 1 10 | 20 20 | 0 11 | 2 12 |
| S 23 | 20 23 | 22 45 | 4 50 | 23 4 | 1 19 | 20 28 | 0 19 | 0n 2 | 0 54 | 3 22 | 1 5 | 22 2 | 1 10 | 20 19 | 0 11 | 2 12 |
| S 24 | 20 35 | 25 40 | 4 59 | 23 23 | 1 24 | 20 44 | 0 16 | 0 12 | 0 51 | 3 19 | 1 5 | 22 2 | 1 10 | 20 19 | 0 11 | 2 12 |
| M25 | 20 47 | 27 28 | 4 54 | 23 41 | 1 30 | 21 0 | 0 14 | 0 23 | 0 48 | 3 16 | 1 5 | 22 3 | 1 10 | 20 18 | 0 11 | 2 11 |
| T 26 | 20 58 | 28 0 | 4 37 | 23 58 | 1 35 | 21 15 | 0 12 | 0 34 | 0 45 | 3 13 | 1 5 | 22 3 | 1 10 | 20 18 | 0 11 | 2 11 |
| W27 | 21 9 | 27 12 | 4 7 | 24 14 | 1 40 | 21 30 | 0 9 | 0 45 | 0 43 | 3 11 | 1 6 | 22 3 | 1 10 | 20 17 | 0 11 | 2 11 |
| T 28 | 21 20 | 25 5 | 3 25 | 24 29 | 1 45 | 21 44 | 0 7 | 0 56 | 0 40 | 3 8 | 1 6 | 22 4 | 1 10 | 20 17 | 0 11 | 2 11 |
| F 29 | 21 30 | 21 47 | 2 33 | 24 42 | 1 49 | 21 57 | 0 5 | 1 7 | 0 37 | 3 5 | 1 6 | 22 4 | 1 10 | 20 16 | 0 11 | 2 10 |
| S 30 | 21s40 | 17s25 | 1s33 | 24s54 | 1s53 | 22s10 | 0n 2 | 1n19 | 0s35 | 3n 2 | 1n 6 | 22s 5 | 1n10 | 20n16 | 0s11 | 2n10 |

Julian Day Number = 2522341.5, Delta T = 157.09 sec
Ecliptic obliquity = 23°24'59, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°26'57, Lahiri = 26°33'57

ASTRODIENST EPHEMERIS for the year 2193

geocentric

DECEMBER 2193

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|----------|----------|----------|----------|----------|----------|---------|---------|----------|---------|---------|----------|----------|------|
| S 1 | 4 41 40 | 9°17'02 | 29°36' 6 | 21°12'12 | 13°14'14 | 5°1' 1 | 25°11' 1 | 23°15'15 | 1°R27 | 8°R56 | 15°R15 | 4°R11 | 4°31' 1 | 23°13'36 | 16°11'23 | S 1 |
| M 2 | 4 45 37 | 10°17'47 | 12°15'15 | 22°44'14 | 14°29'29 | 5°24' 8 | 25°8' 8 | 23°22'11 | 1°I25 | 8°Y55 | 15°Q15 | 4°K11 | 4°28' 1 | 23°42'23 | 16°26'26 | M 2 |
| T 3 | 4 49 33 | 11°18'33 | 25°49'24 | 24°15'15 | 15°45'45 | 5°48' 8 | 25°15'15 | 23°29'12 | 1°22' 8 | 8°54'15 | 15°14'40 | 4°10' 4 | 4°25'23 | 23°49'16 | 16°29'29 | T 3 |
| W 4 | 4 53 30 | 12°19'20 | 9°Y49 | 25°46'17 | 17°0' 0 | 6°12' 2 | 25°22'23 | 23°36'1° | 1°20' 8 | 8°54'15 | 15°14'4° | 4°8' 8 | 4°22'23 | 23°56'16 | 16°32'32 | W 4 |
| T 5 | 4 57 26 | 13°20'08 | 24°15'27 | 18°15'18 | 18°15'18 | 6°37' 2 | 25°29'23 | 23°43'1° | 1°17' 8 | 8°53'15 | 15°13'4° | 4°3' 4 | 4°19'24 | 24°3'16 | 16°35'35 | T 5 |
| F 6 | 5 1 23 | 14°20'57 | 9°B 6 | 28°47'19 | 19°31'7 | 7°2' 2 | 25°35'23 | 23°50'1° | 1°15' 8 | 8°53'15 | 15°13'3° | 5°5'4 | 4°16'24 | 24°9'16 | 16°38'38 | F 6 |
| S 7 | 5 5 19 | 15°21'47 | 24°14'0 | 28°17'20 | 20°46'7 | 7°27' 2 | 25°42'23 | 23°57'1° | 1°13' 8 | 8°52'15 | 15°12'3° | 4°6'4 | 4°12'24 | 24°16'16 | 16°41'41 | S 7 |
| S 8 | 5 9 16 | 16°22'37 | 9°II31 | 1°46'22 | 22°2' 7 | 7°52' 2 | 25°48'24 | 24°4' 1 | 1°10' 8 | 8°52'15 | 15°11'3° | 4°9'4 | 4°22'24 | 24°23'24 | 16°44'44 | S 8 |
| M 9 | 5 13 12 | 17°23'29 | 24°45'3 | 3°15'23 | 23°17'8 | 8°18' 2 | 25°54'24 | 24°11'1° | 1°8' 8 | 8°52'15 | 15°11'3° | 4°6'4 | 4°22'24 | 24°29'24 | 16°46'46 | M 9 |
| T 10 | 5 17 9 | 18°24'22 | 9°B44 | 4°44'24 | 24°32'8 | 8°45' 2 | 26°0'24 | 24°18'1° | 1°5' 8 | 8°51'15 | 15°10'3° | 4°3'4 | 4°22'24 | 24°36'24 | 16°49'49 | T 10 |
| W11 | 5 21 6 | 19°25'16 | 24°21'6 | 6°12'25 | 25°48'9 | 9°11' 2 | 26°6'24 | 24°25'1° | 1°3' 8 | 8°51'15 | 15°10'3° | 4°0'4 | 4°22'24 | 24°43'24 | 16°51'51 | W11 |
| T 12 | 5 25 2 | 20°26'11 | 8°Q30 | 7°39'27 | 27°3' 9 | 9°38' 2 | 26°11'24 | 24°32'1° | 1°1' 8 | 8°51'15 | 15°9'3° | 1°1'3 | 3°57'24 | 24°50'50 | 16°53'53 | T 12 |
| F 13 | 5 28 59 | 21°27'07 | 22°9'9 | 9°5'28 | 28°19'10 | 10°5' 2 | 26°17'24 | 24°39'0° | 5°8' 8 | 8°50'15 | 15°8'2° | 5°9'3 | 3°53'24 | 24°56'56 | 16°56'56 | F 13 |
| S 14 | 5 32 55 | 22°28'05 | 5°II19 | 10°30'29 | 29°34'10 | 10°32' 2 | 26°22'24 | 24°46'0° | 5°6' 8 | 8°50'15 | 15°7'2° | 5°8'3 | 3°50'25 | 25°3'16 | 16°58'58 | S 14 |
| S 15 | 5 36 52 | 23°29'03 | 18°3'11 | 11°54'0 | 30°49'11 | 11°0' 2 | 26°27'24 | 24°53'0° | 5°4' 8 | 8°50'15 | 15°7'2° | 5°8'3 | 3°47'25 | 25°10'10 | 16°59'59 | S 15 |
| M16 | 5 40 48 | 24°30'03 | 0°A27 | 13°17'2° | 11°28'26 | 11°28' 2 | 26°32'25 | 25°0'0° | 5°2' 8 | 8°50'15 | 15°6'2° | 5°8'3 | 3°44'25 | 25°17'17 | 17°1'1 | M16 |
| T 17 | 5 44 45 | 25°31'03 | 12°35'14 | 14°38'3° | 11°56'26 | 11°56' 2 | 26°37'25 | 25°7'0° | 4°9' 8 | 8°50'15 | 15°5'2° | 5°7'3 | 3°41'25 | 25°23'23 | 17°3'3 | T 17 |
| W18 | 5 48 41 | 26°32'05 | 24°33'15 | 15°56'4 | 12°25'26 | 12°25' 2 | 26°42'25 | 25°15'0° | 4°7' 8 | 8°50'15 | 15°4'2° | 5°3'3 | 3°37'25 | 25°30'30 | 17°5'5 | W18 |
| T 19 | 5 52 38 | 27°33'07 | 6°II25 | 17°13'5 | 12°53'26 | 12°53' 2 | 26°46'25 | 25°22'0° | 4°5' 8 | 8°50'15 | 15°3'2° | 4°6'3 | 3°34'25 | 25°37'37 | 17°6'6 | T 19 |
| F 20 | 5 56 35 | 28°34'11 | 18°15'18 | 18°26'7 | 13°22'26 | 13°22' 2 | 26°50'25 | 25°29'0° | 4°3' 8 | 8°D50 | 15°3'2° | 3°37'3 | 3°31'25 | 25°43'43 | 17°7'7 | F 20 |
| S 21 | 6 0 31 | 29°35'15 | 0°A7 | 19°37'8 | 13°51'26 | 13°51' 2 | 26°54'25 | 25°36'0° | 4°1' 8 | 8°50'15 | 15°2'2° | 3°28'3 | 3°28'25 | 25°50'50 | 17°9'9 | S 21 |
| S 22 | 6 4 28 | 0°B36'20 | 12°2'20 | 20°43'9 | 14°21'26 | 14°21' 2 | 26°58'25 | 25°43'0° | 3°9' 8 | 8°50'15 | 15°1'2° | 3°25'3 | 3°25'25 | 25°57'57 | 17°10'10 | S 22 |
| M23 | 6 8 24 | 1°37'26 | 24°3'21 | 21°46'10 | 15°53'14 | 15°53' 2 | 27°0'25 | 25°50'0° | 3°7' 8 | 8°50'15 | 15°0'2° | 3°22'3 | 3°22'26 | 26°4'4 | 17°11'11 | M23 |
| T 24 | 6 12 21 | 2°38'33 | 6°B11 | 22°43'12 | 15°21'27 | 15°21' 2 | 27°6'25 | 25°57'0° | 3°5' 8 | 8°50'14 | 15°59'1° | 3°18'3 | 3°18'26 | 26°10'10 | 17°12'12 | T 24 |
| W25 | 6 16 17 | 3°39'39 | 18°26'23 | 13°35'13 | 15°51'27 | 15°51' 2 | 27°9'26 | 26°4'0° | 3°3' 8 | 8°50'14 | 15°58'1° | 3°15'3 | 3°15'26 | 26°17'17 | 17°12'12 | W25 |
| T 26 | 6 20 14 | 4°40'47 | 0°A50 | 24°20'14 | 14°39'16 | 14°39' 2 | 27°12'26 | 26°11'0° | 3°1' 8 | 8°50'14 | 15°57'1° | 3°12'3 | 3°12'26 | 26°24'24 | 17°13'13 | T 26 |
| F 27 | 6 24 11 | 5°41'54 | 13°23'24 | 15°58'16 | 16°52'27 | 16°52' 2 | 27°15'26 | 26°18'0° | 2°9' 8 | 8°51'14 | 15°56'1° | 3°9'3 | 3°9'26 | 26°30'30 | 17°14'14 | F 27 |
| S 28 | 6 28 7 | 6°43'02 | 26°7'25 | 17°10'17 | 17°22'27 | 17°22' 2 | 27°18'26 | 26°25'0° | 2°7' 8 | 8°51'14 | 15°55'1° | 3°6'3 | 3°6'26 | 26°37'37 | 17°14'14 | S 28 |
| S 29 | 6 32 4 | 7°44'10 | 9°B5 | 25°47'18 | 18°25'17 | 18°25' 2 | 27°21'26 | 26°32'0° | 2°5' 8 | 8°51'14 | 15°54'1° | 3°3'3 | 3°3'26 | 26°44'44 | 17°14'14 | S 29 |
| M30 | 6 36 0 | 8°45'18 | 22°18'25 | 19°40'19 | 18°25'27 | 18°25' 2 | 27°23'26 | 26°39'0° | 2°3' 8 | 8°52'14 | 15°53'1° | 3°2'3 | 3°2'25 | 26°51'51 | 17°14'14 | M30 |
| T 31 | 6 39 57 | 9°46'25 | 5°Y48 | 25°57'20 | 19°40'18 | 19°40' 2 | 27°26'26 | 26°46'0° | 2°1' 8 | 8°Y52 | 14°Q52 | 1°R29 | 2°K56 | 26°15'57 | 17°R14 | T 31 |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|-------|-------|------|-------|------|-------|------|------|------|------|------|-------|------|-------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | lat |
| S 1 | 21s49 | 12s12 | 0s27 | 25s 5 | 1s57 | 22s22 | 0s 0 | 1n30 | 0s32 | 3n 0 | 1n 6 | 22s 5 | 1n 9 | 20n15 | 0s11 | 2n10 |
| M 2 | 21 58 | 6 18 | 0n43 | 25 14 | 2 1 | 22 34 | 0 3 | 1 42 | 0 29 | 2 57 | 1 7 | 22 6 | 1 9 | 20 15 | 0 11 | 2 10 |
| T 3 | 22 7 | 0n 3 | 1 52 | 25 22 | 2 5 | 22 44 | 0 5 | 1 53 | 0 27 | 2 54 | 1 7 | 22 6 | 1 9 | 20 14 | 0 11 | 2 10 |
| W 4 | 22 15 | 6 35 | 2 56 | 25 29 | 2 8 | 22 54 | 0 7 | 2 5 | 0 25 | 2 52 | 1 7 | 22 7 | 1 9 | 20 14 | 0 11 | 2 9 |
| T 5 | 22 23 | 12 59 | 3 52 | 25 34 | 2 11 | 23 4 | 0 10 | 2 17 | 0 22 | 2 50 | 1 7 | 22 7 | 1 9 | 20 13 | 0 11 | 2 9 |
| F 6 | 22 30 | 18 49 | 4 33 | 25 38 | 2 13 | 23 12 | 0 12 | 2 29 | 0 20 | 2 47 | 1 8 | 22 7 | 1 9 | 20 13 | 0 11 | 2 9 |
| S 7 | 22 37 | 23 36 | 4 56 | 25 40 | 2 15 | 23 20 | 0 15 | 2 41 | 0 18 | 2 45 | 1 8 | 22 8 | 1 9 | 20 12 | 0 11 | 2 9 |
| S 8 | 22 43 | 26 47 | 4 59 | 25 41 | 2 17 | 23 28 | 0 17 | 2 53 | 0 15 | 2 43 | 1 8 | 22 8 | 1 9 | 20 12 | 0 11 | 2 9 |
| M 9 | 22 49 | 27 59 | 4 40 | 25 41 | 2 19 | 23 34 | 0 19 | 3 5 | 0 13 | 2 40 | 1 8 | 22 9 | 1 9 | 20 11 | 0 11 | 2 9 |
| T 10 | 22 55 | 27 5 | 4 2 | 25 39 | 2 19 | 23 40 | 0 22 | 3 18 | 0 11 | 2 38 | 1 9 | 22 9 | 1 9 | 20 11 | 0 11 | 2 9 |
| W11 | 23 0 | 24 20 | 3 9 | 25 36 | 2 20 | 23 45 | 0 24 | 3 30 | 0 9 | 2 36 | 1 9 | 22 9 | 1 9 | 20 10 | 0 11 | 2 9 |
| T 12 | 23 4 | 20 9 | 2 6 | 25 31 | 2 20 | 23 49 | 0 26 | 3 43 | 0 7 | 2 34 | 1 9 | 22 10 | 1 9 | 20 10 | 0 11 | 2 8 |
| F 13 | 23 8 | 15 1 | 0 57 | 25 25 | 2 19 | 23 53 | 0 29 | 3 55 | 0 5 | 2 32 | 1 9 | 22 10 | 1 9 | 20 9 | 0 11 | 2 8 |
| S 14 | 23 12 | 9 22 | 0s12 | 25 18 | 2 18 | 23 56 | 0 31 | 4 8 | 0 3 | 2 31 | 1 10 | 22 10 | 1 8 | 20 9 | 0 11 | 2 8 |
| S 15 | 23 15 | 3 30 | 1 19 | 25 9 | 2 17 | 23 58 | 0 33 | 4 20 | 0 1 | 2 29 | 1 10 | 22 11 | 1 8 | 20 8 | 0 11 | 2 8 |
| M16 | 23 18 | 2s20 | 2 20 | 24 59 | 2 14 | 24 0 | 0 36 | 4 33 | 0n 1 | 2 27 | 1 10 | 22 11 | 1 8 | 20 8 | 0 11 | 2 8 |
| T 17 | 23 20 | 7 57 | 3 14 | 24 47 | 2 11 | 24 0 | 0 38 | 4 46 | 0 3 | 2 25 | 1 10 | 22 11 | 1 8 | 20 8 | 0 11 | 2 8 |
| W18 | 23 22 | 13 12 | 3 58 | 24 34 | 2 7 | 24 0 | 0 40 | 4 58 | 0 5 | 2 24 | 1 11 | 22 12 | 1 8 | 20 7 | 0 11 | 2 8 |
| T 19 | 23 24 | 17 55 | 4 32 | 24 20 | 2 3 | 23 59 | 0 42 | 5 11 | 0 7 | 2 22 | 1 11 | 22 12 | 1 8 | 20 7 | 0 11 | 2 8 |
| F 20 | 23 25 | 21 56 | 4 53 | 24 5 | 1 57 | 23 58 | 0 44 | 5 24 | 0 8 | 2 21 | 1 11 | 22 12 | 1 8 | 20 6 | 0 11 | 2 8 |
| S 21 | 23 25 | 25 5 | 5 2 | 23 49 | 1 51 | 23 56 | 0 46 | 5 37 | 0 10 | 2 19 | 1 11 | 22 13 | 1 8 | 20 6 | 0 11 | 2 8 |
| S 22 | 23 25 | 27 8 | 4 58 | 23 32 | 1 44 | 23 53 | 0 49 | 5 50 | 0 12 | 2 18 | 1 12 | 22 13 | 1 8 | 20 5 | 0 11 | 2 9 |
| M23 | 23 24 | 27 58 | 4 41 | 23 14 | 1 35 | 23 49 | 0 51 | 6 3 | 0 14 | 2 17 | 1 12 | 22 13 | 1 8 | 20 5 | 0 11 | 2 9 |
| T 24 | 23 23 | 27 27 | 4 11 | 22 55 | 1 26 | 23 44 | 0 53 | 6 16 | 0 15 | 2 16 | 1 12 | 22 13 | 1 8 | 20 5 | 0 11 | 2 9 |
| W25 | 23 22 | 25 36 | 3 29 | 22 36 | 1 16 | 23 39 | 0 55 | 6 29 | 0 17 | 2 14 | 1 13 | 22 14 | 1 8 | 20 4 | 0 11 | 2 9 |
| T 26 | 23 20 | 22 29 | 2 36 | 22 17 | 1 4 | 23 33 | 0 57 | 6 42 | 0 18 | 2 13 | 1 13 | 22 14 | 1 8 | 20 4 | 0 11 | 2 9 |
| F 27 | 23 18 | 18 18 | 1 35 | 21 57 | 0 51 | 23 26 | 0 59 | 6 55 | 0 20 | 2 12 | 1 13 | 22 14 | 1 8 | 20 3 | 0 11 | 2 9 |
| S 28 | 23 15 | 13 15 | 0 29 | 21 38 | 0 37 | 23 19 | 1 0 | 7 9 | 0 21 | 2 12 | 1 13 | 22 14 | 1 8 | 20 3 | 0 11 | 2 9 |
| S 29 | 23 11 | 7 32 | 0n41 | 21 19 | 0 22 | 23 11 | 1 2 | 7 22 | 0 23 | 2 11 | 1 14 | 22 15 | 1 8 | 20 3 | 0 11 | 2 9 |
| M30 | 23 8 | 1 23 | 1 50 | 21 1 | 0 5 | 23 2 | 1 4 | 7 35 | 0 24 | 2 10 | 1 14 | 22 15 | 1 8 | 20 2 | 0 11 | 2 10 |
| T 31 | 23s 3 | 4n58 | 2n54 | 20s44 | 0n12 | 22s52 | 1s 6 | 7n48 | 0n26 | 2n 9 | 1n14 | 22s15 | 1n 8 | 20n 2 | 0s11 | 2n10 |

Julian Day Number = 2522371.5, Delta T = 157.17 sec
 Ecliptic obliquity = 23°24'58, Nutation = 0°00'06, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°27'01, Lahiri = 26°34'01