



Astrodienst Ephemeris Tables for the year 2273

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 2273
geocentric

JANUARY 2273

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|-----------|---------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|------|
| W 1 | 6 43 23 | 10°36'53 | 27°8'29 | 25°R 8 | 22°R34 | 21°V18 | 5°8'10 | 11°R30 | 10°R23 | 7°Δ32 | 4°Δ29 | 6°Δ23 | 4°Δ58 | 1°M36 | 24°R59 | W 1 |
| T 2 | 6 47 19 | 11°38'00 | 11°II53 | 24°Δ40 | 22°Δ 3 | 21°48 | 5°10 | 11°R29 | 10°R22 | 7°32 | 4°31 | 6°R24 | 4°55 | 1°43 | 24°V59 | T 2 |
| F 3 | 6 51 16 | 12°39'07 | 26°12 | 24° 0 | 21°30 | 22°19 | 5°11 | 11°28 | 10°22 | 7°32 | 4°32 | 6°22 | 4°52 | 1°49 | 24°59 | F 3 |
| S 4 | 6 55 13 | 13°40'13 | 10°Δ22 | 23° 8 | 20°56 | 22°50 | 5°12 | 11°26 | 10°21 | 7°33 | 4°34 | 6°19 | 4°48 | 1°56 | 24°59 | S 4 |
| S 5 | 6 59 9 | 14°41'20 | 24°18 | 22° 7 | 20°21 | 23°22 | 5°13 | 11°25 | 10°20 | 7°33 | 4°36 | 6°13 | 4°45 | 2° 3 | 24°D59 | S 5 |
| M 6 | 7 3 6 | 15°42'27 | 7°Δ57 | 20°57 | 19°46 | 23°53 | 5°15 | 11°23 | 10°19 | 7°33 | 4°38 | 6° 7 | 4°42 | 2° 9 | 24°59 | M 6 |
| T 7 | 7 7 2 | 16°43'34 | 21°15 | 19°41 | 19° 9 | 24°24 | 5°16 | 11°22 | 10°19 | 7°33 | 4°40 | 6° 0 | 4°39 | 2°16 | 24°59 | T 7 |
| W 8 | 7 10 59 | 17°44'41 | 4°M11 | 18°21 | 18°33 | 24°56 | 5°18 | 11°20 | 10°18 | 7°R33 | 4°42 | 5°53 | 4°36 | 2°23 | 24°59 | W 8 |
| T 9 | 7 14 55 | 18°45'49 | 16°46 | 17° 0 | 17°56 | 25°28 | 5°20 | 11°18 | 10°18 | 7°33 | 4°44 | 5°47 | 4°32 | 2°29 | 24°59 | T 9 |
| F 10 | 7 18 52 | 19°46'56 | 29° 4 | 15°40 | 17°19 | 26° 0 | 5°22 | 11°16 | 10°17 | 7°33 | 4°45 | 5°42 | 4°29 | 2°36 | 25° 0 | F 10 |
| S 11 | 7 22 48 | 20°48'04 | 11°Δ 7 | 14°24 | 16°43 | 26°32 | 5°24 | 11°14 | 10°17 | 7°33 | 4°47 | 5°40 | 4°26 | 2°43 | 25° 0 | S 11 |
| S 12 | 7 26 45 | 21°49'12 | 23° 0 | 13°14 | 16° 8 | 27° 5 | 5°27 | 11°12 | 10°17 | 7°33 | 4°49 | 5°D39 | 4°23 | 2°49 | 25° 1 | S 12 |
| M13 | 7 30 42 | 22°50'20 | 4°M49 | 12°12 | 15°33 | 27°37 | 5°30 | 11° 9 | 10°16 | 7°33 | 4°51 | 5°40 | 4°20 | 2°56 | 25° 1 | M13 |
| T 14 | 7 34 38 | 23°51'28 | 16°39 | 11°18 | 15° 0 | 28°10 | 5°33 | 11° 7 | 10°16 | 7°32 | 4°53 | 5°41 | 4°17 | 3° 3 | 25° 2 | T 14 |
| W15 | 7 38 35 | 24°52'36 | 28°35 | 10°34 | 14°27 | 28°42 | 5°36 | 11° 4 | 10°16 | 7°32 | 4°55 | 5°43 | 4°13 | 3° 9 | 25° 2 | W15 |
| T 16 | 7 42 31 | 25°53'44 | 10°Δ41 | 10° 0 | 13°57 | 29°15 | 5°39 | 11° 2 | 10°16 | 7°32 | 4°57 | 5°R43 | 4°10 | 3°16 | 25° 3 | T 16 |
| F 17 | 7 46 28 | 26°54'53 | 23° 2 | 9°35 | 13°28 | 29°48 | 5°43 | 10°59 | 10°16 | 7°32 | 4°59 | 5°41 | 4° 7 | 3°23 | 25° 3 | F 17 |
| S 18 | 7 50 24 | 27°56'00 | 5°Δ41 | 9°20 | 13° 1 | 0°Δ22 | 5°47 | 10°56 | 10°D16 | 7°31 | 5° 1 | 5°37 | 4° 4 | 3°29 | 25° 4 | S 18 |
| S 19 | 7 54 21 | 28°57'08 | 18°38 | 9°D15 | 12°37 | 0°55 | 5°51 | 10°53 | 10°16 | 7°31 | 5° 3 | 5°30 | 4° 1 | 3°36 | 25° 5 | S 19 |
| M20 | 7 58 17 | 29°58'15 | 1°Δ55 | 9°18 | 12°14 | 1°28 | 5°55 | 10°50 | 10°16 | 7°31 | 5° 5 | 5°22 | 3°58 | 3°43 | 25° 6 | M20 |
| T 21 | 8 2 14 | 0°Δ59'22 | 15°28 | 9°29 | 11°54 | 2° 2 | 5°59 | 10°47 | 10°16 | 7°30 | 5° 7 | 5°12 | 3°54 | 3°49 | 25° 7 | T 21 |
| W22 | 8 6 11 | 2° 0'28 | 29°16 | 9°47 | 11°35 | 2°36 | 6° 3 | 10°44 | 10°16 | 7°30 | 5° 8 | 5° 2 | 3°51 | 3°56 | 25° 8 | W22 |
| T 23 | 8 10 7 | 3° 1'34 | 13°Δ14 | 10°12 | 11°20 | 3° 9 | 6° 8 | 10°41 | 10°16 | 7°29 | 5°10 | 4°53 | 3°48 | 4° 3 | 25° 9 | T 23 |
| F 24 | 8 14 4 | 4° 2'38 | 27°19 | 10°43 | 11° 7 | 3°43 | 6°13 | 10°38 | 10°17 | 7°29 | 5°12 | 4°45 | 3°45 | 4° 9 | 25°10 | F 24 |
| S 25 | 8 18 0 | 5° 3'42 | 11°V27 | 11°19 | 10°56 | 4°17 | 6°18 | 10°34 | 10°17 | 7°28 | 5°14 | 4°40 | 3°42 | 4°16 | 25°11 | S 25 |
| S 26 | 8 21 57 | 6° 4'45 | 25°35 | 12° 1 | 10°47 | 4°51 | 6°23 | 10°31 | 10°17 | 7°28 | 5°16 | 4°38 | 3°38 | 4°23 | 25°12 | S 26 |
| M27 | 8 25 53 | 7° 5'47 | 9°Δ41 | 12°47 | 10°42 | 5°26 | 6°29 | 10°27 | 10°18 | 7°27 | 5°18 | 4°D38 | 3°35 | 4°29 | 25°14 | M27 |
| T 28 | 8 29 50 | 8° 6'48 | 23°45 | 13°37 | 10°38 | 6° 0 | 6°34 | 10°23 | 10°18 | 7°26 | 5°20 | 4°38 | 3°32 | 4°36 | 25°15 | T 28 |
| W29 | 8 33 46 | 9° 7'48 | 7°II46 | 14°31 | 10°D37 | 6°34 | 6°40 | 10°20 | 10°19 | 7°26 | 5°22 | 4°R38 | 3°29 | 4°43 | 25°16 | W29 |
| T 30 | 8 37 43 | 10° 8'48 | 21°42 | 15°28 | 10°39 | 7° 9 | 6°46 | 10°16 | 10°20 | 7°25 | 5°24 | 4°37 | 3°26 | 4°49 | 25°18 | T 30 |
| F 31 | 8 41 40 | 11°Δ 9'45 | 5°Δ33 | 16°Δ28 | 10°Δ43 | 7°Δ43 | 6°Δ52 | 10°M12 | 10°Δ20 | 7°Δ24 | 5°Δ26 | 4°Δ33 | 3°Δ23 | 4°M56 | 25°V19 | F 31 |

| Day | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | lat |
| W 1 | 22s59 | 20n21 | 0n49 | 20s32 | 0n33 | 18s56 | 2n37 | 8n46 | 0n31 | 12n 5 | 1s13 | 8n48 | 1n42 | 14n30 | 0s26 | 1s44 |
| T 2 | 22 54 | 21 41 | 0s30 | 20 19 | 0 52 | 18 45 | 2 53 | 8 59 | 0 32 | 12 6 | 1 12 | 8 49 | 1 42 | 14 30 | 0 26 | 1 44 |
| F 3 | 22 48 | 21 35 | 1 46 | 20 6 | 1 11 | 18 35 | 3 9 | 9 11 | 0 33 | 12 6 | 1 12 | 8 50 | 1 42 | 14 30 | 0 26 | 1 44 |
| S 4 | 22 42 | 20 6 | 2 54 | 19 56 | 1 31 | 18 25 | 3 24 | 9 24 | 0 35 | 12 7 | 1 12 | 8 50 | 1 42 | 14 30 | 0 26 | 1 44 |
| S 5 | 22 36 | 17 26 | 3 51 | 19 47 | 1 50 | 18 15 | 3 39 | 9 37 | 0 36 | 12 7 | 1 11 | 8 51 | 1 43 | 14 30 | 0 26 | 1 44 |
| M 6 | 22 29 | 13 51 | 4 33 | 19 40 | 2 8 | 18 5 | 3 54 | 9 50 | 0 37 | 12 8 | 1 11 | 8 52 | 1 43 | 14 29 | 0 26 | 1 44 |
| T 7 | 22 21 | 9 40 | 5 0 | 19 34 | 2 25 | 17 56 | 4 8 | 10 2 | 0 38 | 12 9 | 1 11 | 8 53 | 1 43 | 14 29 | 0 26 | 1 44 |
| W 8 | 22 14 | 5 9 | 5 10 | 19 31 | 2 40 | 17 47 | 4 22 | 10 15 | 0 40 | 12 10 | 1 10 | 8 54 | 1 43 | 14 29 | 0 25 | 1 44 |
| T 9 | 22 5 | 0 33 | 5 4 | 19 28 | 2 52 | 17 39 | 4 36 | 10 28 | 0 41 | 12 11 | 1 10 | 8 55 | 1 44 | 14 29 | 0 25 | 1 44 |
| F 10 | 21 57 | 3s59 | 4 45 | 19 27 | 3 3 | 17 31 | 4 49 | 10 41 | 0 42 | 12 12 | 1 10 | 8 56 | 1 44 | 14 29 | 0 25 | 1 44 |
| S 11 | 21 48 | 8 16 | 4 13 | 19 28 | 3 11 | 17 23 | 5 1 | 10 53 | 0 43 | 12 13 | 1 9 | 8 57 | 1 44 | 14 29 | 0 25 | 1 44 |
| S 12 | 21 38 | 12 11 | 3 30 | 19 30 | 3 16 | 17 15 | 5 13 | 11 6 | 0 44 | 12 14 | 1 9 | 8 58 | 1 44 | 14 29 | 0 25 | 1 44 |
| M13 | 21 28 | 15 36 | 2 39 | 19 32 | 3 19 | 17 8 | 5 24 | 11 19 | 0 45 | 12 15 | 1 9 | 8 59 | 1 44 | 14 29 | 0 25 | 1 44 |
| T 14 | 21 18 | 18 24 | 1 41 | 19 36 | 3 20 | 17 2 | 5 34 | 11 31 | 0 46 | 12 16 | 1 9 | 9 0 | 1 45 | 14 29 | 0 25 | 1 44 |
| W15 | 21 7 | 20 26 | 0 38 | 19 41 | 3 18 | 16 56 | 5 43 | 11 44 | 0 47 | 12 18 | 1 8 | 9 1 | 1 45 | 14 29 | 0 25 | 1 44 |
| T 16 | 20 56 | 21 34 | 0n27 | 19 47 | 3 15 | 16 50 | 5 52 | 11 57 | 0 48 | 12 19 | 1 8 | 9 2 | 1 45 | 14 28 | 0 25 | 1 44 |
| F 17 | 20 45 | 21 41 | 1 32 | 19 54 | 3 10 | 16 45 | 6 0 | 12 9 | 0 49 | 12 21 | 1 8 | 9 4 | 1 45 | 14 28 | 0 25 | 1 43 |
| S 18 | 20 33 | 20 43 | 2 34 | 20 1 | 3 4 | 16 40 | 6 7 | 12 22 | 0 50 | 12 22 | 1 7 | 9 5 | 1 46 | 14 29 | 0 25 | 1 43 |
| S 19 | 20 20 | 18 39 | 3 30 | 20 8 | 2 57 | 16 36 | 6 14 | 12 34 | 0 51 | 12 24 | 1 7 | 9 6 | 1 46 | 14 29 | 0 25 | 1 43 |
| M20 | 20 8 | 15 33 | 4 15 | 20 16 | 2 49 | 16 32 | 6 19 | 12 47 | 0 52 | 12 25 | 1 7 | 9 8 | 1 46 | 14 29 | 0 25 | 1 43 |
| T 21 | 19 54 | 11 36 | 4 47 | 20 24 | 2 40 | 16 29 | 6 24 | 12 59 | 0 53 | 12 27 | 1 6 | 9 9 | 1 46 | 14 29 | 0 25 | 1 43 |
| W22 | 19 41 | 6 58 | 5 3 | 20 32 | 2 31 | 16 27 | 6 29 | 13 12 | 0 54 | 12 29 | 1 6 | 9 10 | 1 46 | 14 29 | 0 25 | 1 42 |
| T 23 | 19 27 | 1 56 | 5 2 | 20 40 | 2 21 | 16 24 | 6 32 | 13 24 | 0 55 | 12 31 | 1 6 | 9 12 | 1 47 | 14 29 | 0 25 | 1 42 |
| F 24 | 19 13 | 3n15 | 4 42 | 20 47 | 2 11 | 16 23 | 6 35 | 13 36 | 0 55 | 12 32 | 1 6 | 9 13 | 1 47 | 14 29 | 0 25 | 1 42 |
| S 25 | 18 58 | 8 16 | 4 5 | 20 55 | 2 1 | 16 21 | 6 37 | 13 49 | 0 56 | 12 34 | 1 5 | 9 15 | 1 47 | 14 29 | 0 25 | 1 42 |
| S 26 | 18 43 | 12 52 | 3 13 | 21 1 | 1 51 | 16 20 | 6 39 | 14 1 | 0 57 | 12 36 | 1 5 | 9 16 | 1 47 | 14 29 | 0 25 | 1 41 |
| M27 | 18 28 | 16 44 | 2 9 | 21 7 | 1 40 | 16 20 | 6 40 | 14 13 | 0 58 | 12 38 | 1 5 | 9 18 | 1 47 | 14 29 | 0 25 | 1 41 |
| T 28 | 18 13 | 19 37 | 0 58 | 21 13 | 1 30 | 16 20 | 6 40 | 14 25 | 0 59 | 12 40 | 1 4 | 9 19 | 1 48 | 14 30 | 0 25 | 1 41 |
| W29 | 17 57 | 21 18 | 0s17 | 21 17 | 1 20 | 16 20 | 6 40 | 14 37 | 0 59 | 12 43 | 1 4 | 9 21 | 1 48 | 14 30 | 0 25 | 1 40 |
| T 30 | 17 40 | 21 39 | 1 30 | 21 21 | 1 10 | 16 20 | 6 39 | 14 49 | 1 0 | 12 45 | 1 4 | 9 22 | 1 48 | 14 30 | 0 25 | 1 40 |
| F 31 | 17s24 | 20n41 | 2s37 | 21s24 | 1n 0 | 16s21 | 6n38 | 15n 1 | 1n 1 | 12n47 | 1s 4 | 9n24 | 1n48 | 14n30 | 0s25 | 1s40 |

Julian Day Number = 2551256.5, Delta T = 253.09 sec
Ecliptic obliquity = 23°24'09, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°33'22, Lahiri = 27°40'22

ASTRODIENST EPHEMERIS for the year 2273

geocentric

FEBRUARY 2273

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|------------------|---------------------|------|
| S 1 | 8 45 36 | 12 ²⁸ 10'42 | 19 ⁵⁸ 17 | 17 ³⁸ 31 | 10 ³⁸ 49 | 8 ⁸ 18 | 6 ⁸ 59 | 10°R 8 | 10 ⁸ 21 | 7°R24 | 5 ²⁸ 28 | 4°R27 | 3 ¹⁹ 19 | 5 ³ 3 | 25 ²¹ 21 | S 1 |
| S 2 | 8 49 33 | 13°11'38 | 2 ⁵⁰ 50 | 18°36 | 10°57 | 8°53 | 7° 5 | 10 ¹⁰ 4 | 10°22 | 7 ²³ 23 | 5°30 | 4 ¹⁸ 18 | 3°16 | 5° 9 | 25°22 | S 2 |
| M 3 | 8 53 29 | 14°12'33 | 16°10 | 19°44 | 11° 8 | 9°28 | 7°12 | 10° 0 | 10°22 | 7°22 | 5°32 | 4° 6 | 3°13 | 5°16 | 25°24 | M 3 |
| T 4 | 8 57 26 | 15°13'27 | 29°15 | 20°54 | 11°21 | 10° 3 | 7°18 | 9°56 | 10°23 | 7°21 | 5°34 | 3°53 | 3°10 | 5°23 | 25°26 | T 4 |
| W 5 | 9 1 22 | 16°14'19 | 12 ¹⁰ 3 | 22° 5 | 11°36 | 10°38 | 7°25 | 9°52 | 10°24 | 7°20 | 5°35 | 3°41 | 3° 7 | 5°29 | 25°28 | W 5 |
| T 6 | 9 5 19 | 17°15'11 | 24°35 | 23°19 | 11°53 | 11°13 | 7°32 | 9°48 | 10°25 | 7°19 | 5°37 | 3°29 | 3° 4 | 5°36 | 25°29 | T 6 |
| F 7 | 9 9 15 | 18°16'03 | 6 ⁵¹ 51 | 24°34 | 12°12 | 11°48 | 7°40 | 9°43 | 10°26 | 7°18 | 5°39 | 3°20 | 3° 0 | 5°43 | 25°31 | F 7 |
| S 8 | 9 13 12 | 19°16'53 | 18°53 | 25°51 | 12°33 | 12°23 | 7°47 | 9°39 | 10°27 | 7°17 | 5°41 | 3°13 | 2°57 | 5°49 | 25°33 | S 8 |
| S 9 | 9 17 9 | 20°17'42 | 0 ⁴⁶ 46 | 27° 9 | 12°56 | 12°58 | 7°55 | 9°35 | 10°28 | 7°16 | 5°43 | 3° 9 | 2°54 | 5°56 | 25°35 | S 9 |
| M10 | 9 21 5 | 21°18'31 | 12°35 | 28°28 | 13°21 | 13°33 | 8° 2 | 9°30 | 10°30 | 7°15 | 5°45 | 3° 8 | 2°51 | 6° 3 | 25°37 | M10 |
| T 11 | 9 25 2 | 22°19'19 | 24°24 | 29°49 | 13°47 | 14° 9 | 8°10 | 9°26 | 10°31 | 7°14 | 5°47 | 3°D 7 | 2°48 | 6° 9 | 25°39 | T 11 |
| W12 | 9 28 58 | 23°20'06 | 6 ¹⁹ 19 | 1 ¹¹ 11 | 14°16 | 14°44 | 8°18 | 9°21 | 10°32 | 7°13 | 5°49 | 3°R 8 | 2°44 | 6°16 | 25°41 | W12 |
| T 13 | 9 32 55 | 24°20'51 | 18°26 | 2°34 | 14°45 | 15°20 | 8°26 | 9°17 | 10°33 | 7°12 | 5°51 | 3° 7 | 2°41 | 6°23 | 25°43 | T 13 |
| F 14 | 9 36 51 | 25°21'36 | 0 ³⁹ 39 | 3°58 | 15°17 | 15°55 | 8°35 | 9°12 | 10°35 | 7°11 | 5°52 | 3° 4 | 2°38 | 6°29 | 25°46 | F 14 |
| S 15 | 9 40 48 | 26°22'20 | 13°33 | 5°23 | 15°49 | 16°31 | 8°43 | 9° 7 | 10°36 | 7°10 | 5°54 | 2°59 | 2°35 | 6°36 | 25°48 | S 15 |
| S 16 | 9 44 44 | 27°23'03 | 26°41 | 6°49 | 16°24 | 17° 7 | 8°52 | 9° 3 | 10°38 | 7° 9 | 5°56 | 2°51 | 2°32 | 6°43 | 25°50 | S 16 |
| M17 | 9 48 41 | 28°23'44 | 10 ¹⁴ 14 | 8°17 | 16°59 | 17°42 | 9° 1 | 8°58 | 10°39 | 7° 8 | 5°58 | 2°40 | 2°29 | 6°49 | 25°52 | M17 |
| T 18 | 9 52 38 | 29°24'25 | 24° 9 | 9°45 | 17°36 | 18°18 | 9° 9 | 8°53 | 10°41 | 7° 6 | 6° 0 | 2°28 | 2°25 | 6°56 | 25°55 | T 18 |
| W19 | 9 56 34 | 0 ²⁵ 03 | 8 ²² 22 | 11°14 | 18°14 | 18°54 | 9°18 | 8°48 | 10°42 | 7° 5 | 6° 1 | 2°15 | 2°22 | 7° 2 | 25°57 | W19 |
| T 20 | 10 0 31 | 1°25'41 | 22°49 | 12°44 | 18°54 | 19°30 | 9°28 | 8°44 | 10°44 | 7° 4 | 6° 3 | 2° 3 | 2°19 | 7° 9 | 26° 0 | T 20 |
| F 21 | 10 4 27 | 2°26'16 | 7 ²¹ 21 | 14°15 | 19°34 | 20° 6 | 9°37 | 8°39 | 10°46 | 7° 3 | 6° 5 | 1°54 | 2°16 | 7°16 | 26° 2 | F 21 |
| S 22 | 10 8 24 | 3°26'50 | 21°53 | 15°47 | 20°16 | 20°42 | 9°46 | 8°34 | 10°47 | 7° 1 | 6° 7 | 1°47 | 2°13 | 7°22 | 26° 5 | S 22 |
| S 23 | 10 12 20 | 4°27'23 | 6 ¹⁹ 19 | 17°20 | 20°58 | 21°18 | 9°56 | 8°29 | 10°49 | 7° 0 | 6° 9 | 1°43 | 2°10 | 7°29 | 26° 7 | S 23 |
| M24 | 10 16 17 | 5°27'53 | 20°35 | 18°54 | 21°42 | 21°54 | 10° 5 | 8°24 | 10°51 | 6°59 | 6°10 | 1°41 | 2° 6 | 7°36 | 26°10 | M24 |
| T 25 | 10 20 13 | 6°28'22 | 4 ¹¹ 11 | 20°29 | 22°27 | 22°30 | 10°15 | 8°20 | 10°53 | 6°57 | 6°12 | 1°41 | 2° 3 | 7°42 | 26°13 | T 25 |
| W26 | 10 24 10 | 7°28'49 | 18°32 | 22° 5 | 23°12 | 23° 7 | 10°25 | 8°15 | 10°55 | 6°56 | 6°14 | 1°41 | 2° 0 | 7°49 | 26°15 | W26 |
| T 27 | 10 28 7 | 8°29'14 | 2 ⁵¹ 51 | 23°41 | 23°59 | 23°43 | 10°35 | 8°10 | 10°57 | 6°55 | 6°15 | 1°39 | 1°57 | 7°56 | 26°18 | T 27 |
| F 28 | 10 32 3 | 9 ²⁹ 29 | 15 ⁵⁴ 54 | 25 ¹⁹ 19 | 24 ⁴⁶ 46 | 24 ¹⁹ 19 | 10 ⁴⁵ 45 | 8 ¹⁰ 10 | 10 ⁵⁹ 59 | 6 ⁵³ 53 | 6 ¹⁷ 17 | 1 ³⁵ 35 | 1 ⁵⁴ 54 | 8 ² 2 | 26 ²¹ 21 | F 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 | decl | lat |
| S 1 | 17s 7 | 18n29 | 3s34 | 21s26 | 0n50 | 16s22 | 6n37 | 15n13 | 1n 1 | 12n49 | 1 s 3 | 9n26 | 1n48 | 14n31 | 0s25 | 1s39 | 1n23 | 22s 8 | 3s21 | 21s 0 | 20s47 | 15s29 | 9n51 | 0n 4 | | | |
| S 2 | 16 50 | 15 18 | 4 18 | 21 27 | 0 40 | 16 24 | 6 35 | 15 25 | 1 2 | 12 52 | 1 3 | 9 27 | 1 49 | 14 31 | 0 25 | 1 39 | 1 23 | 22 7 | 3 21 | 20 58 | 20 47 | 15 31 | 9 52 | 0 4 | | | |
| M 3 | 16 32 | 11 23 | 4 47 | 21 27 | 0 30 | 16 25 | 6 32 | 15 37 | 1 3 | 12 54 | 1 3 | 9 29 | 1 49 | 14 31 | 0 25 | 1 39 | 1 23 | 22 7 | 3 22 | 20 56 | 20 46 | 15 32 | 9 52 | 0 4 | | | |
| T 4 | 16 15 | 7 1 | 5 1 | 21 26 | 0 21 | 16 27 | 6 30 | 15 49 | 1 3 | 12 57 | 1 3 | 9 31 | 1 49 | 14 31 | 0 25 | 1 38 | 1 23 | 22 6 | 3 22 | 20 54 | 20 45 | 15 34 | 9 53 | 0 4 | | | |
| W 5 | 15 57 | 2 26 | 4 58 | 21 24 | 0 12 | 16 29 | 6 27 | 16 0 | 1 4 | 12 59 | 1 2 | 9 33 | 1 49 | 14 32 | 0 25 | 1 38 | 1 23 | 22 6 | 3 22 | 20 51 | 20 45 | 15 35 | 9 54 | 0 4 | | | |
| T 6 | 15 38 | 2s10 | 4 42 | 21 21 | 0 3 | 16 31 | 6 23 | 16 12 | 1 5 | 13 2 | 1 2 | 9 34 | 1 49 | 14 32 | 0 25 | 1 38 | 1 23 | 22 6 | 3 22 | 20 49 | 20 44 | 15 37 | 9 54 | 0 4 | | | |
| F 7 | 15 20 | 6 34 | 4 12 | 21 16 | 0s 6 | 16 33 | 6 20 | 16 23 | 1 5 | 13 4 | 1 2 | 9 36 | 1 49 | 14 32 | 0 25 | 1 37 | 1 23 | 22 5 | 3 22 | 20 47 | 20 44 | 15 38 | 9 55 | 0 4 | | | |
| S 8 | 15 1 | 10 39 | 3 32 | 21 11 | 0 14 | 16 35 | 6 16 | 16 34 | 1 6 | 13 7 | 1 2 | 9 38 | 1 50 | 14 33 | 0 25 | 1 37 | 1 23 | 22 5 | 3 22 | 20 46 | 20 43 | 15 40 | 9 55 | 0 4 | | | |
| S 9 | 14 42 | 14 16 | 2 43 | 21 4 | 0 23 | 16 37 | 6 11 | 16 46 | 1 6 | 13 10 | 1 1 | 9 40 | 1 50 | 14 33 | 0 25 | 1 36 | 1 23 | 22 5 | 3 22 | 20 45 | 20 42 | 15 41 | 9 56 | 0 4 | | | |
| M10 | 14 23 | 17 17 | 1 47 | 20 56 | 0 31 | 16 39 | 6 7 | 16 57 | 1 7 | 13 12 | 1 1 | 9 42 | 1 50 | 14 33 | 0 25 | 1 36 | 1 23 | 22 4 | 3 22 | 20 45 | 20 42 | 15 43 | 9 57 | 0 4 | | | |
| T 11 | 14 3 | 19 35 | 0 46 | 20 47 | 0 38 | 16 41 | 6 2 | 17 8 | 1 8 | 13 15 | 1 1 | 9 43 | 1 50 | 14 34 | 0 25 | 1 35 | 1 23 | 22 4 | 3 22 | 20 45 | 20 41 | 15 44 | 9 57 | 0 3 | | | |
| W12 | 13 43 | 21 3 | 0n17 | 20 37 | 0 46 | 16 43 | 5 57 | 17 19 | 1 8 | 13 18 | 1 1 | 9 45 | 1 50 | 14 34 | 0 24 | 1 35 | 1 23 | 22 4 | 3 22 | 20 45 | 20 41 | 15 45 | 9 58 | 0 3 | | | |
| T 13 | 13 23 | 21 34 | 1 20 | 20 25 | 0 53 | 16 45 | 5 52 | 17 30 | 1 9 | 13 21 | 1 0 | 9 47 | 1 50 | 14 35 | 0 24 | 1 35 | 1 24 | 22 3 | 3 23 | 20 45 | 20 40 | 15 47 | 9 59 | 0 3 | | | |
| F 14 | 13 3 | 21 3 | 2 21 | 20 12 | 1 0 | 16 47 | 5 47 | 17 41 | 1 9 | 13 24 | 1 0 | 9 49 | 1 50 | 14 35 | 0 24 | 1 34 | 1 24 | 22 3 | 3 23 | 20 44 | 20 39 | 15 48 | 9 59 | 0 3 | | | |
| S 15 | 12 42 | 19 27 | 3 17 | 19 58 | 1 6 | 16 49 | 5 42 | 17 52 | 1 10 | 13 27 | 1 0 | 9 51 | 1 51 | 14 36 | 0 24 | 1 34 | 1 24 | 22 2 | 3 23 | 20 43 | 20 39 | 15 50 | 10 0 | 0 3 | | | |
| S 16 | 12 22 | 16 48 | 4 3 | 19 43 | 1 13 | 16 50 | 5 36 | 18 2 | 1 10 | 13 29 | 1 0 | 9 53 | 1 51 | 14 36 | 0 24 | 1 33 | 1 24 | 22 2 | 3 23 | 20 42 | 20 38 | 15 51 | 10 1 | 0 3 | | | |
| M17 | 12 1 | 13 11 | 4 38 | 19 26 | 1 19 | 16 52 | 5 30 | 18 13 | 1 11 | 13 32 | 0 59 | 9 55 | 1 51 | 14 37 | 0 24 | 1 33 | 1 24 | 22 2 | 3 23 | 20 40 | 20 37 | 15 53 | 10 2 | 0 3 | | | |
| T 18 | 11 40 | 8 46 | 4 57 | 19 8 | 1 24 | 16 53 | 5 25 | 18 23 | 1 11 | 13 36 | 0 59 | 9 56 | 1 51 | 14 37 | 0 24 | 1 32 | 1 24 | 22 1 | 3 23 | 20 37 | 20 37 | 15 54 | 10 2 | 0 3 | | | |
| W19 | 11 18 | 3 48 | 4 59 | 18 49 | 1 30 | 16 54 | 5 19 | 18 34 | 1 11 | 13 39 | 0 59 | 9 58 | 1 51 | 14 38 | 0 24 | 1 32 | 1 24 | 22 1 | 3 23 | 20 35 | 20 36 | 15 56 | 10 3 | 0 3 | | | |
| T 20 | 10 57 | 1n28 | 4 41 | 18 29 | 1 35 | 16 55 | 5 13 | 18 44 | 1 12 | 13 42 | 0 59 | 10 0 | 1 51 | 14 38 | 0 24 | 1 31 | 1 24 | 22 1 | 3 23 | 20 32 | 20 36 | 15 57 | 10 4 | 0 3 | | | |
| F 21 | 10 35 | 6 40 | 4 5 | 18 7 | 1 40 | 16 55 | 5 7 | 18 54 | 1 12 | 13 45 | 0 58 | 10 2 | 1 51 | 14 39 | 0 24 | 1 30 | 1 24 | 22 0 | 3 23 | 20 31 | 20 35 | 15 59 | 10 5 | 0 3 | | | |
| S 22 | 10 14 | 11 30 | 3 14 | 17 44 | 1 44 | 16 55 | 5 0 | 19 4 | 1 13 | 13 48 | 0 58 | 10 4 | 1 51 | 14 39 | 0 24 | 1 30 | 1 24 | 22 0 | 3 24 | 20 29 | 20 34 | 16 0 | 10 6 | 0 3 | | | |
| S 23 | 9 52 | 15 39 | 2 10 | 17 20 | 1 48 | 16 55 | 4 54 | 19 14 | 1 13 | 13 51 | 0 58 | 10 6 | 1 51 | 14 40 | 0 24 | 1 29 | 1 24 | 22 0 | 3 24 | 20 28 | 20 34 | 16 1 | 10 7 | 0 3 | | | |
| M24 | 9 30 | 18 48 | 0 58 | 16 55 | 1 52 | 16 55 | 4 48 | 19 24 | 1 14 | 13 54 | 0 58 | 10 8 | 1 52 | 14 40 | 0 24 | 1 29 | 1 24 | 21 59 | 3 24 | 20 28 | 20 33 | 16 3 | 10 8 | 0 2 | | | |
| T 25 | 9 7 | 20 47 | 0s16 | 16 28 | 1 56 | 16 55 | 4 41 | 19 34 | 1 14 | 13 58 | 0 57 | 10 10 | 1 52 | 14 41 | 0 24 | 1 28 | 1 24 | 21 59 | 3 24 | 20 28 | 20 32 | 16 4 | 10 8 | 0 2 | | | |
| W26 | 8 45 | 21 27 | 1 28 | 16 0 | 1 59 | 16 54 | 4 35 | 19 43 | 1 14 | 14 1 | 0 57 | 10 12 | 1 52 | 14 42 | 0 24 | 1 28 | 1 24 | 21 59 | 3 24 | 20 28 | 20 32 | 16 6 | 10 9 | 0 2 | | | |
| T 27 | 8 23 | 20 49 | 2 34 | 15 31 | 2 1 | 16 52 | 4 28 | 19 53 | 1 15 | 14 4 | 0 57 | 10 13 | 1 52 | 14 42 | 0 24 | 1 27 | 1 24 | 21 59 | 3 24 | 20 28 | 20 31 | 16 7 | 10 10 | 0 2 | | | |
| F 28 | 8s 0 | 19n 0 | 3s30 | 15s 0 | 2s 4 | 16s51 | 4n22 | 20n 2 | 1n15 | 14n 8 | 0s57 | 10n15 | 1n52 | 14n43 | 0s24 | 1s26 | 1n24 | 21s58 | 3s24 | 20s27 | 20s31 | 16s 8 | 10n11 | 0n 2 | | | |

Julian Day Number = 2551287.5, Delta T = 253.22 sec

Ecliptic obliquity = 23°24'09, Nutation = 0°00'17, out-of-bounds declination in red

ASTRODIENST EPHEMERIS for the year 2273

geocentric

MARCH 2273

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|------------------------|-----------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|----------------------|----------------------|------------------------|--------------------|------------------------|-----------------------|------|
| S 1 | 10 36 0 | 10 ^h 29'59" | 29 ^h 2'26" | 26 ^h 58'25" | 25 ^h 33'24" | 24 ^h 55'10" | 10 ^h 55'8" | 8 ^h R 0 | 11 ^h 8'1" | 6 ^h R52 | 6 ^h 19' | 1 ^h R28 | 1 ^h 50' | 8 ^h 11' | 26 ^h 24' | S 1 |
| S 2 | 10 39 56 | 11°30'18" | 12 ^h 11' | 28°37' | 26°24' | 25°32' | 11° 6' | 7 ^h 11'55" | 11° 3' | 6 ^h 50' | 6°20' | 1 ^h 18' | 1°47' | 8°16' | 26°27' | S 2 |
| M 3 | 10 43 53 | 12°30'35" | 25° 8' | 0 ^h 18' | 27°14' | 26° 8' | 11°16' | 7°51' | 11° 5' | 6°49' | 6°22' | 1° 6' | 1°44' | 8°22' | 26°30' | M 3 |
| T 4 | 10 47 49 | 13°30'51" | 7 ^h 11'54" | 1°59' | 28° 4' | 26°45' | 11°27' | 7°46' | 11° 7' | 6°47' | 6°24' | 0°53' | 1°41' | 8°29' | 26°33' | T 4 |
| W 5 | 10 51 46 | 14°31'05" | 20°27' | 3°42' | 28°55' | 27°21' | 11°37' | 7°41' | 11° 9' | 6°46' | 6°25' | 0°39' | 1°38' | 8°36' | 26°36' | W 5 |
| T 6 | 10 55 42 | 15°31'17" | 2 ^h 47' | 5°25' | 29°47' | 27°57' | 11°48' | 7°36' | 11°12' | 6°44' | 6°27' | 0°27' | 1°35' | 8°42' | 26°39' | T 6 |
| F 7 | 10 59 39 | 16°31'28" | 14°56' | 7°10' | 0 ^h 40' | 28°34' | 11°59' | 7°31' | 11°14' | 6°43' | 6°28' | 0°17' | 1°31' | 8°49' | 26°42' | F 7 |
| S 8 | 11 3 35 | 17°31'36" | 26°55' | 8°56' | 1°34' | 29°10' | 12°10' | 7°27' | 11°16' | 6°41' | 6°30' | 0° 9' | 1°28' | 8°56' | 26°45' | S 8 |
| S 9 | 11 7 32 | 18°31'44" | 8 ^h 11'46" | 10°43' | 2°27' | 29°47' | 12°21' | 7°22' | 11°18' | 6°40' | 6°32' | 0° 5' | 1°25' | 9° 2' | 26°48' | S 9 |
| M10 | 11 11 29 | 19°31'49" | 20°33' | 12°31' | 3°22' | 0 ^h 12'47" | 12°32' | 7°17' | 11°21' | 6°38' | 6°33' | 0° 3' | 1°22' | 9° 9' | 26°51' | M10 |
| T 11 | 11 15 25 | 20°31'54" | 2 ^h 21' | 14°19' | 4°17' | 1° 0' | 12°43' | 7°13' | 11°23' | 6°37' | 6°35' | 0°D 2 | 1°19' | 9°16' | 26°54' | T 11 |
| W12 | 11 19 22 | 21°31'56" | 14°15' | 16°10' | 5°13' | 1°37' | 12°55' | 7° 8' | 11°26' | 6°35' | 6°36' | 0° 3' | 1°15' | 9°22' | 26°57' | W12 |
| T 13 | 11 23 18 | 22°31'57" | 26°20' | 18° 1' | 6° 9' | 2°13' | 13° 6' | 7° 3' | 11°28' | 6°33' | 6°38' | 0°R 3 | 1°12' | 9°29' | 27° 1' | T 13 |
| F 14 | 11 27 15 | 23°31'57" | 8 ^h 34' | 19°53' | 7° 6' | 2°50' | 13°18' | 6°59' | 11°31' | 6°32' | 6°39' | 0° 1' | 1° 9' | 9°36' | 27° 4' | F 14 |
| S 15 | 11 31 11 | 24°31'54" | 21°25' | 21°46' | 8° 3' | 3°27' | 13°29' | 6°54' | 11°33' | 6°30' | 6°40' | 29 ^h 11'58" | 1° 6' | 9°42' | 27° 7' | S 15 |
| S 16 | 11 35 8 | 25°31'51" | 4 ^h 34' | 23°41' | 9° 1' | 4° 4' | 13°41' | 6°50' | 11°36' | 6°29' | 6°42' | 29°53' | 1° 3' | 9°49' | 27°10' | S 16 |
| M17 | 11 39 4 | 26°31'45" | 18°10' | 25°36' | 9°59' | 4°40' | 13°53' | 6°45' | 11°39' | 6°27' | 6°43' | 29°45' | 1° 0' | 9°56' | 27°14' | M17 |
| T 18 | 11 43 1 | 27°31'38" | 2 ^h 14' | 27°32' | 10°57' | 5°17' | 14° 5' | 6°41' | 11°41' | 6°25' | 6°45' | 29°35' | 0°56' | 10° 2' | 27°17' | T 18 |
| W19 | 11 46 58 | 28°31'28" | 16°42' | 29°30' | 11°56' | 5°54' | 14°17' | 6°37' | 11°44' | 6°24' | 6°46' | 29°25' | 0°53' | 10° 9' | 27°21' | W19 |
| T 20 | 11 50 54 | 29°31'17" | 1 ^h 28' | 1 ^h 28' | 12°56' | 6°31' | 14°29' | 6°32' | 11°47' | 6°22' | 6°47' | 29°16' | 0°50' | 10°16' | 27°24' | T 20 |
| F 21 | 11 54 51 | 0 ^h 31'04" | 16°24' | 3°26' | 13°56' | 7° 8' | 14°41' | 6°28' | 11°50' | 6°20' | 6°48' | 29° 8' | 0°47' | 10°22' | 27°27' | F 21 |
| S 22 | 11 58 47 | 1°30'49" | 1 ^h 21' | 5°26' | 14°56' | 7°45' | 14°53' | 6°24' | 11°52' | 6°19' | 6°50' | 29° 2' | 0°44' | 10°29' | 27°31' | S 22 |
| S 23 | 12 2 44 | 2°30'32" | 16°10' | 7°26' | 15°56' | 8°21' | 15° 5' | 6°20' | 11°55' | 6°17' | 6°51' | 29° 0' | 0°41' | 10°35' | 27°34' | S 23 |
| M24 | 12 6 40 | 3°30'13" | 0 ^h 11'45" | 9°26' | 16°57' | 8°58' | 15°18' | 6°16' | 11°58' | 6°15' | 6°52' | 28°D59" | 0°37' | 10°42' | 27°38' | M24 |
| T 25 | 12 10 37 | 4°29'52" | 15° 3' | 11°26' | 17°58' | 9°35' | 15°30' | 6°12' | 12° 1' | 6°14' | 6°53' | 29° 0' | 0°34' | 10°49' | 27°41' | T 25 |
| W26 | 12 14 33 | 5°29'28" | 29° 1' | 13°26' | 19° 0' | 10°12' | 15°43' | 6° 8' | 12° 4' | 6°12' | 6°55' | 29°R 1 | 0°31' | 10°55' | 27°45' | W26 |
| T 27 | 12 18 30 | 6°29'02" | 12 ^h 41' | 15°26' | 20° 2' | 10°49' | 15°55' | 6° 4' | 12° 7' | 6°10' | 6°56' | 29° 1' | 0°28' | 11° 2' | 27°48' | T 27 |
| F 28 | 12 22 27 | 7°28'33" | 26° 2' | 17°25' | 21° 4' | 11°26' | 16° 8' | 6° 0' | 12°10' | 6° 9' | 6°57' | 28°59" | 0°25' | 11° 9' | 27°52' | F 28 |
| S 29 | 12 26 23 | 8°28'03" | 9 ^h 11' | 19°23' | 22° 6' | 12° 3' | 16°21' | 5°57' | 12°13' | 6° 7' | 6°58' | 28°55" | 0°21' | 11°15' | 27°56' | S 29 |
| S 30 | 12 30 20 | 9°27'30" | 21°59' | 21°19' | 23° 9' | 12°40' | 16°33' | 5°53' | 12°16' | 6° 5' | 6°59' | 28°49" | 0°18' | 11°22' | 27°59' | S 30 |
| M31 | 12 34 16 | 10 ^h 26'54" | 4 ^h 11'37" | 23 ^h 14' | 24 ^h 12' | 13 ^h 11'17" | 16 ^h 34' | 5 ^h 11'49" | 12 ^h 18'19" | 6 ^h 11'4" | 7 ^h 11'0" | 28 ^h 11'41" | 0 ^h 15' | 11 ^h 11'29" | 28 ^h 11'3" | M31 |

| Day | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | |
| S 1 | 7s37 | 16n10 | 4s14 | 14s29 | 2s 6 | 16s49 | 4n15 | 20n11 | 1n15 | 14n11 | 0s57 | 10n17 | 1n52 | 14n44 | 0s24 | S 1 |
| S 2 | 7 14 | 12 34 | 4 44 | 13 56 | 2 7 | 16 46 | 4 9 | 20 20 | 1 16 | 14 14 | 0 56 | 10 19 | 1 52 | 14 44 | 0 24 | S 2 |
| M 3 | 6 51 | 8 25 | 4 59 | 13 21 | 2 8 | 16 43 | 4 2 | 20 29 | 1 16 | 14 18 | 0 56 | 10 21 | 1 52 | 14 45 | 0 24 | M 3 |
| T 4 | 6 28 | 3 59 | 4 58 | 12 46 | 2 9 | 16 40 | 3 55 | 20 38 | 1 16 | 14 21 | 0 56 | 10 23 | 1 52 | 14 46 | 0 24 | T 4 |
| W 5 | 6 5 | 0s34 | 4 43 | 12 9 | 2 10 | 16 37 | 3 49 | 20 47 | 1 17 | 14 25 | 0 56 | 10 25 | 1 52 | 14 46 | 0 24 | W 5 |
| T 6 | 5 42 | 5 0 | 4 15 | 11 31 | 2 9 | 16 33 | 3 42 | 20 55 | 1 17 | 14 28 | 0 56 | 10 26 | 1 52 | 14 47 | 0 24 | T 6 |
| F 7 | 5 19 | 9 11 | 3 35 | 10 52 | 2 9 | 16 28 | 3 35 | 21 4 | 1 17 | 14 32 | 0 55 | 10 28 | 1 52 | 14 48 | 0 24 | F 7 |
| S 8 | 4 55 | 12 57 | 2 46 | 10 11 | 2 8 | 16 23 | 3 29 | 21 12 | 1 17 | 14 35 | 0 55 | 10 30 | 1 52 | 14 49 | 0 24 | S 8 |
| S 9 | 4 32 | 16 9 | 1 51 | 9 29 | 2 7 | 16 18 | 3 22 | 21 20 | 1 18 | 14 39 | 0 55 | 10 32 | 1 52 | 14 49 | 0 24 | S 9 |
| M10 | 4 8 | 18 40 | 0 50 | 8 47 | 2 5 | 16 12 | 3 15 | 21 28 | 1 18 | 14 42 | 0 55 | 10 34 | 1 52 | 14 50 | 0 24 | M10 |
| T 11 | 3 45 | 20 24 | 0n12 | 8 2 | 2 2 | 16 6 | 3 9 | 21 36 | 1 18 | 14 46 | 0 55 | 10 35 | 1 52 | 14 51 | 0 24 | T 11 |
| W12 | 3 21 | 21 14 | 1 15 | 7 17 | 1 59 | 15 59 | 3 2 | 21 44 | 1 18 | 14 50 | 0 54 | 10 37 | 1 52 | 14 52 | 0 24 | W12 |
| T 13 | 2 58 | 21 6 | 2 15 | 6 31 | 1 56 | 15 52 | 2 56 | 21 52 | 1 19 | 14 53 | 0 54 | 10 39 | 1 52 | 14 52 | 0 24 | T 13 |
| F 14 | 2 34 | 19 57 | 3 11 | 5 43 | 1 52 | 15 45 | 2 49 | 21 59 | 1 19 | 14 57 | 0 54 | 10 41 | 1 53 | 14 53 | 0 24 | F 14 |
| S 15 | 2 10 | 17 46 | 3 59 | 4 55 | 1 48 | 15 36 | 2 43 | 22 6 | 1 19 | 15 1 | 0 54 | 10 42 | 1 53 | 14 54 | 0 24 | S 15 |
| S 16 | 1 46 | 14 38 | 4 35 | 4 5 | 1 43 | 15 28 | 2 36 | 22 14 | 1 19 | 15 4 | 0 54 | 10 44 | 1 53 | 14 55 | 0 24 | S 16 |
| M17 | 1 23 | 10 38 | 4 58 | 3 14 | 1 37 | 15 19 | 2 30 | 22 21 | 1 20 | 15 8 | 0 53 | 10 46 | 1 53 | 14 56 | 0 24 | M17 |
| T 18 | 0 59 | 5 56 | 5 4 | 2 22 | 1 31 | 15 10 | 2 23 | 22 28 | 1 20 | 15 12 | 0 53 | 10 47 | 1 53 | 14 57 | 0 24 | T 18 |
| W19 | 0 35 | 0 47 | 4 51 | 1 30 | 1 25 | 15 0 | 2 17 | 22 34 | 1 20 | 15 15 | 0 53 | 10 49 | 1 53 | 14 57 | 0 24 | W19 |
| T 20 | 0 11 | 4n32 | 4 18 | 0 36 | 1 17 | 14 49 | 2 10 | 22 41 | 1 20 | 15 19 | 0 53 | 10 50 | 1 53 | 14 58 | 0 24 | T 20 |
| F 21 | 0n12 | 9 38 | 3 27 | 0n18 | 1 10 | 14 39 | 2 4 | 22 47 | 1 20 | 15 23 | 0 53 | 10 52 | 1 53 | 14 59 | 0 24 | F 21 |
| S 22 | 0 36 | 14 9 | 2 23 | 1 13 | 1 2 | 14 27 | 1 58 | 22 53 | 1 21 | 15 26 | 0 53 | 10 54 | 1 52 | 15 0 | 0 24 | S 22 |
| S 23 | 1 0 | 17 44 | 1 8 | 2 8 | 0 53 | 14 16 | 1 51 | 23 0 | 1 21 | 15 30 | 0 52 | 10 55 | 1 52 | 15 1 | 0 24 | S 23 |
| M24 | 1 23 | 20 7 | 0s10 | 3 4 | 0 44 | 14 4 | 1 45 | 23 6 | 1 21 | 15 34 | 0 52 | 10 56 | 1 52 | 15 2 | 0 23 | M24 |
| T 25 | 1 47 | 21 9 | 1 25 | 4 0 | 0 34 | 13 51 | 1 39 | 23 11 | 1 21 | 15 38 | 0 52 | 10 58 | 1 52 | 15 3 | 0 23 | T 25 |
| W26 | 2 11 | 20 50 | 2 34 | 4 56 | 0 24 | 13 38 | 1 33 | 23 17 | 1 21 | 15 41 | 0 52 | 10 59 | 1 52 | 15 4 | 0 23 | W26 |
| T 27 | 2 34 | 19 16 | 3 33 | 5 52 | 0 13 | 13 24 | 1 27 | 23 22 | 1 21 | 15 45 | 0 52 | 11 1 | 1 52 | 15 5 | 0 23 | T 27 |
| F 28 | 2 58 | 16 41 | 4 18 | 6 48 | 0 2 | 13 10 | 1 21 | 23 28 | 1 21 | 15 49 | 0 52 | 11 2 | 1 52 | 15 5 | 0 23 | F 28 |
| S 29 | 3 21 | 13 17 | 4 49 | 7 43 | 0n 9 | 12 56 | 1 15 | 23 33 | 1 21 | 15 53 | 0 51 | 11 3 | 1 52 | 15 6 | 0 23 | S 29 |
| S 30 | 3 45 | 9 20 | 5 5 | 8 38 | 0 21 | 12 41 | 1 9 | 23 38 | 1 22 | 15 57 | 0 51 | 11 5 | 1 52 | 15 7 | 0 23 | S 30 |
| M31 | 4n 8 | 5n 3 | 5s 6 | 9n31 | 0n33 | 12s26 | 1n 4 | 23n43 | 1n22 | 16n 0 | 0s51 | 11n 6 | 1n52 | 15n 8 | 0s23 | M31 |

Julian Day Number = 2551315.5, Delta T = 253.34 sec
 Ecliptic obliquity = 23°24'10", Nutation = 0°00'17", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°33'30", Lahiri = 27°40'30"

ASTRODIENST EPHEMERIS for the year 2273
geocentric

APRIL 2273

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|----------|----------|----------|----------|----------|---------|----------|---------|---------|----------|----------|----------|----------|------|
| T 1 | 12 38 13 | 11°26'17 | 17°4 4 | 25°6 6 | 25°15 15 | 13°54 54 | 16°59 59 | 5°R46 | 12°22 22 | 6°R 2 | 7°1 1 | 28°R32 | 0°12 12 | 11°M35 | 28°V 7 | T 1 |
| W 2 | 12 42 9 | 12°25'37 | 29°21 21 | 26°56 56 | 26°18 18 | 14°31 31 | 17°12 12 | 5°M43 | 12°25 25 | 6°12 12 | 7°2 2 | 28°M23 | 0°9 9 | 11°42 42 | 28°10 10 | W 2 |
| T 3 | 12 46 6 | 13°24'56 | 11°29 29 | 28°43 43 | 27°22 22 | 15°8 8 | 17°25 25 | 5°39 39 | 12°28 28 | 5°59 59 | 7°3 3 | 28°15 15 | 0°6 6 | 11°49 49 | 28°14 14 | T 3 |
| F 4 | 12 50 2 | 14°24'12 | 23°28 28 | 0°26 26 | 28°26 26 | 15°45 45 | 17°38 38 | 5°36 36 | 12°31 31 | 5°57 57 | 7°4 4 | 28°9 9 | 0°2 2 | 11°55 55 | 28°18 18 | F 4 |
| S 5 | 12 53 59 | 15°23'26 | 5°M21 | 2°6 6 | 29°30 30 | 16°22 22 | 17°51 51 | 5°33 33 | 12°34 34 | 5°56 56 | 7°5 5 | 28°4 4 | 29°M59 | 12°2 2 | 28°21 21 | S 5 |
| S 6 | 12 57 55 | 16°22'39 | 17°10 10 | 3°41 41 | 0°X35 | 16°59 59 | 18°4 4 | 5°30 30 | 12°37 37 | 5°54 54 | 7°6 6 | 28°1 1 | 29°56 56 | 12°9 9 | 28°25 25 | S 6 |
| M 7 | 13 1 52 | 17°21'49 | 28°57 57 | 5°12 12 | 1°40 40 | 17°36 36 | 18°18 18 | 5°27 27 | 12°41 41 | 5°52 52 | 7°7 7 | 28°D 1 | 29°53 53 | 12°15 15 | 28°29 29 | M 7 |
| T 8 | 13 5 49 | 18°20'58 | 10°24 46 | 6°37 37 | 2°44 44 | 18°13 13 | 18°31 31 | 5°24 24 | 12°44 44 | 5°51 51 | 7°8 8 | 28°1 1 | 29°50 50 | 12°22 22 | 28°32 32 | T 8 |
| W 9 | 13 9 45 | 19°20'05 | 22°40 40 | 7°58 58 | 3°50 50 | 18°51 51 | 18°44 44 | 5°21 21 | 12°47 47 | 5°49 49 | 7°9 9 | 28°3 3 | 29°46 46 | 12°29 29 | 28°36 36 | W 9 |
| T 10 | 13 13 42 | 20°19'10 | 4°34 5 | 9°13 13 | 4°55 55 | 19°28 28 | 18°58 58 | 5°18 18 | 12°50 50 | 5°47 47 | 7°9 9 | 28°5 5 | 29°43 43 | 12°35 35 | 28°40 40 | T 10 |
| F 11 | 13 17 38 | 21°18'13 | 17°5 5 | 10°22 22 | 6°0 0 | 20°5 5 | 19°11 11 | 5°16 16 | 12°54 54 | 5°46 46 | 7°10 10 | 28°R 6 | 29°40 40 | 12°42 42 | 28°44 44 | F 11 |
| S 12 | 13 21 35 | 22°17'15 | 29°45 45 | 11°26 26 | 7°6 6 | 20°42 42 | 19°24 24 | 5°13 13 | 12°57 57 | 5°44 44 | 7°11 11 | 28°5 5 | 29°37 37 | 12°49 49 | 28°47 47 | S 12 |
| S 13 | 13 25 31 | 23°16'15 | 12°49 49 | 12°24 24 | 8°12 12 | 21°19 19 | 19°38 38 | 5°11 11 | 13°0 0 | 5°43 43 | 7°12 12 | 28°4 4 | 29°34 34 | 12°55 55 | 28°51 51 | S 13 |
| M14 | 13 29 28 | 24°15'13 | 26°21 21 | 13°15 15 | 9°18 18 | 21°56 56 | 19°51 51 | 5°8 8 | 13°3 3 | 5°41 41 | 7°12 12 | 28°1 1 | 29°31 31 | 13°2 2 | 28°55 55 | M14 |
| T 15 | 13 33 24 | 25°14'10 | 10°21 21 | 14°0 0 | 10°24 24 | 22°33 33 | 20°5 5 | 5°6 6 | 13°7 7 | 5°40 40 | 7°13 13 | 27°57 57 | 29°27 27 | 13°8 8 | 28°59 59 | T 15 |
| W16 | 13 37 21 | 26°13'04 | 24°48 48 | 14°39 39 | 11°31 31 | 23°10 10 | 20°19 19 | 5°4 4 | 13°10 10 | 5°38 38 | 7°14 14 | 27°52 52 | 29°24 24 | 13°15 15 | 29°2 2 | W16 |
| T 17 | 13 41 18 | 27°11'57 | 9°Y37 | 15°11 11 | 12°37 37 | 23°47 47 | 20°32 32 | 5°2 2 | 13°13 13 | 5°37 37 | 7°14 14 | 27°47 47 | 29°21 21 | 13°22 22 | 29°6 6 | T 17 |
| F 18 | 13 45 14 | 28°10'48 | 24°42 42 | 15°37 37 | 13°44 44 | 24°25 25 | 20°46 46 | 5°0 0 | 13°17 17 | 5°35 35 | 7°15 15 | 27°44 44 | 29°18 18 | 13°28 28 | 29°10 10 | F 18 |
| S 19 | 13 49 11 | 29°9'37 | 9°B53 | 15°56 56 | 14°51 51 | 25°2 2 | 21°0 0 | 4°58 58 | 13°20 20 | 5°34 34 | 7°15 15 | 27°41 41 | 29°15 15 | 13°35 35 | 29°14 14 | S 19 |
| S 20 | 13 53 7 | 0°B 8'24 | 25°0 0 | 16°9 9 | 15°58 58 | 25°39 39 | 21°14 14 | 4°56 56 | 13°24 24 | 5°32 32 | 7°16 16 | 27°D40 | 29°12 12 | 13°42 42 | 29°18 18 | S 20 |
| M21 | 13 57 4 | 1°7'09 | 9°II55 | 16°15 15 | 17°5 5 | 26°16 16 | 21°27 27 | 4°55 55 | 13°27 27 | 5°31 31 | 7°16 16 | 27°41 41 | 29°8 8 | 13°48 48 | 29°21 21 | M21 |
| T 22 | 14 1 0 | 2°5'52 | 24°30 30 | 16°R16 | 18°12 12 | 26°53 53 | 21°41 41 | 4°53 53 | 13°30 30 | 5°29 29 | 7°17 17 | 27°42 42 | 29°5 5 | 13°55 55 | 29°25 25 | T 22 |
| W23 | 14 4 57 | 3°4'33 | 8°B43 | 16°10 10 | 19°19 19 | 27°31 31 | 21°55 55 | 4°52 52 | 13°34 34 | 5°28 28 | 7°17 17 | 27°43 43 | 29°2 2 | 14°2 2 | 29°29 29 | W23 |
| T 24 | 14 8 53 | 4°3'11 | 22°31 31 | 15°59 59 | 20°27 27 | 28°8 8 | 22°9 9 | 4°50 50 | 13°37 37 | 5°26 26 | 7°18 18 | 27°44 44 | 28°59 59 | 14°8 8 | 29°33 33 | T 24 |
| F 25 | 14 12 50 | 5°1'47 | 5°L55 | 15°42 42 | 21°34 34 | 28°45 45 | 22°23 23 | 4°49 49 | 13°41 41 | 5°25 25 | 7°18 18 | 27°R45 | 28°56 56 | 14°15 15 | 29°36 36 | F 25 |
| S 26 | 14 16 47 | 6°0'21 | 18°58 58 | 15°21 21 | 22°42 42 | 29°22 22 | 22°37 37 | 4°48 48 | 13°44 44 | 5°23 23 | 7°19 19 | 27°44 44 | 28°52 52 | 14°22 22 | 29°40 40 | S 26 |
| S 27 | 14 20 43 | 6°58'53 | 1°M41 | 14°55 55 | 23°50 50 | 29°59 59 | 22°51 51 | 4°47 47 | 13°48 48 | 5°22 22 | 7°19 19 | 27°43 43 | 28°49 49 | 14°28 28 | 29°44 44 | S 27 |
| M28 | 14 24 40 | 7°57'22 | 14°9 9 | 14°25 25 | 24°58 58 | 0°B37 | 23°5 5 | 4°46 46 | 13°51 51 | 5°21 21 | 7°19 19 | 27°40 40 | 28°46 46 | 14°35 35 | 29°48 48 | M28 |
| T 29 | 14 28 36 | 8°55'50 | 26°24 24 | 13°52 52 | 26°6 6 | 1°14 14 | 23°19 19 | 4°45 45 | 13°54 54 | 5°19 19 | 7°19 19 | 27°38 38 | 28°43 43 | 14°42 42 | 29°51 51 | T 29 |
| W30 | 14 32 33 | 9°B54'15 | 8°B28 | 13°B16 | 27°X14 | 1°B51 | 23°B33 | 4°M45 | 13°B58 | 5°B18 | 7°B20 | 27°M35 | 28°M40 | 14°M48 | 29°Y55 | W30 |

| 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 | 4n31 | 0n37 | 4s52 | 10n24 | 0n45 | 12s11 | 0n58 | 23n47 | 1n22 | 16n 4 | 0s51 | 11n 7 | 1n52 | 15n 9 | 0s23 | 1s 6 | 1n25 | 21s52 | 3s29 | 19s48 | 20s10 | 16s51 | 10n47 | 0s 0 | | | |
| W 2 | 4 54 | 3s47 | 4 24 | 11 15 | 0 57 | 11 55 | 0 52 | 23 52 | 1 22 | 16 8 | 0 51 | 11 8 | 1 52 | 15 10 | 0 23 | 1 5 | 1 25 | 21 52 | 3 30 | 19 46 | 20 9 | 16 52 | 10 48 | 0 0 | | | |
| T 3 | 5 17 | 7 59 | 3 45 | 12 4 | 1 8 | 11 38 | 0 47 | 23 56 | 1 22 | 16 12 | 0 51 | 11 10 | 1 52 | 15 11 | 0 23 | 1 5 | 1 25 | 21 52 | 3 30 | 19 44 | 20 8 | 16 54 | 10 49 | 0 1 | | | |
| F 4 | 5 40 | 11 50 | 2 56 | 12 52 | 1 20 | 11 21 | 0 41 | 24 0 | 1 22 | 16 15 | 0 50 | 11 11 | 1 52 | 15 12 | 0 23 | 1 4 | 1 25 | 21 52 | 3 30 | 19 43 | 20 8 | 16 55 | 10 51 | 0 1 | | | |
| S 5 | 6 3 | 15 10 | 2 0 | 13 37 | 1 32 | 11 4 | 0 36 | 24 4 | 1 22 | 16 19 | 0 50 | 11 12 | 1 52 | 15 13 | 0 23 | 1 3 | 1 25 | 21 51 | 3 30 | 19 42 | 20 7 | 16 56 | 10 52 | 0 1 | | | |
| S 6 | 6 26 | 17 52 | 0 59 | 14 20 | 1 43 | 10 46 | 0 30 | 24 8 | 1 22 | 16 23 | 0 50 | 11 13 | 1 52 | 15 14 | 0 23 | 1 3 | 1 25 | 21 51 | 3 30 | 19 41 | 20 6 | 16 57 | 10 53 | 0 1 | | | |
| M 7 | 6 48 | 19 49 | 0n 5 | 15 1 | 1 54 | 10 29 | 0 25 | 24 12 | 1 22 | 16 27 | 0 50 | 11 14 | 1 52 | 15 15 | 0 23 | 1 2 | 1 25 | 21 51 | 3 30 | 19 41 | 20 6 | 16 59 | 10 54 | 0 1 | | | |
| T 8 | 7 11 | 20 53 | 1 9 | 15 40 | 2 4 | 10 10 | 0 20 | 24 15 | 1 22 | 16 31 | 0 50 | 11 15 | 1 52 | 15 16 | 0 23 | 1 1 | 1 25 | 21 51 | 3 31 | 19 41 | 20 5 | 17 0 | 10 56 | 0 1 | | | |
| W 9 | 7 33 | 21 2 | 2 10 | 16 15 | 2 14 | 9 51 | 0 15 | 24 18 | 1 22 | 16 34 | 0 50 | 11 16 | 1 52 | 15 17 | 0 23 | 1 1 | 1 25 | 21 51 | 3 31 | 19 42 | 20 4 | 17 1 | 10 57 | 0 1 | | | |
| T 10 | 7 56 | 20 12 | 3 7 | 16 48 | 2 23 | 9 32 | 0 10 | 24 21 | 1 23 | 16 38 | 0 50 | 11 17 | 1 52 | 15 18 | 0 23 | 1 0 | 1 25 | 21 51 | 3 31 | 19 42 | 20 4 | 17 2 | 10 58 | 0 1 | | | |
| F 11 | 8 18 | 18 24 | 3 56 | 17 18 | 2 31 | 9 13 | 0 5 | 24 24 | 1 23 | 16 42 | 0 50 | 11 18 | 1 51 | 15 19 | 0 23 | 0 59 | 1 25 | 21 51 | 3 31 | 19 42 | 20 3 | 17 4 | 10 59 | 0 1 | | | |
| S 12 | 8 40 | 15 41 | 4 35 | 17 45 | 2 39 | 8 53 | 0 0 | 24 27 | 1 23 | 16 46 | 0 49 | 11 19 | 1 51 | 15 20 | 0 23 | 0 59 | 1 25 | 21 51 | 3 31 | 19 42 | 20 2 | 17 5 | 11 1 | 0 1 | | | |
| S 13 | 9 2 | 12 7 | 5 2 | 18 9 | 2 45 | 8 33 | 0s 5 | 24 30 | 1 23 | 16 49 | 0 49 | 11 19 | 1 51 | 15 21 | 0 23 | 0 58 | 1 25 | 21 51 | 3 31 | 19 42 | 20 2 | 17 6 | 11 2 | 0 1 | | | |
| M14 | 9 23 | 7 49 | 5 12 | 18 30 | 2 51 | 8 13 | 0 9 | 24 32 | 1 23 | 16 53 | 0 49 | 11 20 | 1 51 | 15 22 | 0 23 | 0 58 | 1 25 | 21 51 | 3 32 | 19 41 | 20 1 | 17 7 | 11 3 | 0 1 | | | |
| T 15 | 9 45 | 2 58 | 5 5 | 18 48 | 2 55 | 7 52 | 0 14 | 24 34 | 1 23 | 16 57 | 0 49 | 11 21 | 1 51 | 15 23 | 0 23 | 0 57 | 1 25 | 21 51 | 3 32 | 19 40 | 20 0 | 17 8 | 11 4 | 0 1 | | | |
| W16 | 10 6 | 2n12 | 4 39 | 19 3 | 2 58 | 7 31 | 0 18 | 24 36 | 1 23 | 17 1 | 0 49 | 11 22 | 1 51 | 15 24 | 0 23 | 0 56 | 1 25 | 21 51 | 3 32 | 19 39 | 20 0 | 17 10 | 11 6 | 0 1 | | | |
| T 17 | 10 28 | 7 23 | 3 54 | 19 14 | 3 1 | 7 10 | 0 23 | 24 38 | 1 23 | 17 4 | 0 49 | 11 22 | 1 51 | 15 25 | 0 23 | 0 56 | 1 25 | 21 51 | 3 32 | 19 38 | 19 59 | 17 11 | 11 7 | 0 2 | | | |
| F 18 | 10 49 | 12 12 | 2 51 | 19 23 | 3 2 | 6 48 | 0 27 | 24 40 | 1 23 | 17 8 | 0 49 | 11 23 | 1 51 | 15 26 | 0 23 | 0 55 | 1 25 | 21 51 | 3 32 | 19 37 | 19 58 | 17 12 | 11 8 | 0 2 | | | |
| S 19 | 11 10 | 16 17 | 1 36 | 19 28 | 3 1 | 6 26 | 0 31 | 24 41 | 1 23 | 17 12 | 0 49 | 11 24 | 1 51 | 15 27 | 0 23 | 0 55 | 1 25 | 21 51 | 3 33 | 19 37 | 19 57 | 17 13 | 11 9 | 0 2 | | | |
| S 20 | 11 30 | 19 14 | 0 15 | 19 30 | 3 0 | 6 4 | 0 35 | 24 43 | 1 23 | 17 16 | 0 48 | 11 24 | 1 51 | 15 28 | 0 23 | 0 54 | 1 25 | 21 51 | 3 33 | 19 37 | 19 57 | 17 14 | 11 11 | 0 2 | | | |
| M21 | 11 51 | 20 48 | 1s 7 | 19 29 | 2 56 | 5 42 | 0 39 | 24 44 | 1 23 | 17 19 | 0 48 | 11 25 | 1 51 | 15 29 | 0 23 | 0 54 | 1 25 | 21 51 | 3 33 | 19 37 | 19 56 | 17 16 | 11 12 | 0 2 | | | |
| T 22 | 12 11 | 20 55 | 2 22 | 19 25 | 2 52 | 5 19 | 0 43 | 24 45 | 1 23 | 17 23 | 0 48 | 11 25 | 1 50 | 15 30 | 0 23 | 0 53 | 1 24 | 21 51 | 3 33 | 19 37 | 19 55 | 17 17 | 11 13 | 0 2 | | | |
| W23 | 12 31 | 19 40 | 3 27 | 19 18 | 2 46 | 4 57 | 0 47 | 24 46 | 1 23 | 17 27 | 0 48 | 11 25 | 1 50 | 15 31 | 0 23 | 0 52 | 1 24 | 21 51 | 3 33 | 19 37 | 19 55 | 17 18 | 11 14 | 0 2 | | | |
| T 24 | 12 51 | 17 17 | 4 18 | 19 8 | 2 39 | 4 34 | 0 51 | 24 46 | 1 23 | 17 30 | 0 48 | 11 26 | 1 50 | 15 32 | 0 23 | 0 52 | 1 24 | 21 52 | 3 34 | 19 38 | 19 54 | 17 19 | 11 16 | 0 2 | | | |
| F 25 | 13 11 | 14 2 | 4 53 | 18 55 | 2 30 | 4 10 | 0 54 | 24 47 | 1 23 | 17 34 | 0 48 | 11 26 | 1 50 | 15 33 | 0 23 | 0 51 | 1 24 | 21 52 | 3 34 | 19 38 | 19 53 | 17 20 | 11 17 | 0 2 | | | |
| S 26 | 13 30 | 10 10 | 5 12 | 18 39 | 2 20 | 3 47 | 0 58 | 24 47 | 1 23 | 17 38 | 0 48 | 11 27 | 1 50 | 15 34 | 0 23 | 0 51 | 1 24 | 21 52 | 3 34 | 19 38 | 19 53 | 17 21 | 11 18 | 0 2 | | | |
| S 27 | 13 49 | 5 57 | 5 15 | 18 20 | 2 9 | 3 23 | 1 1 | 24 47 | 1 23 | 17 41 | 0 48 | 11 27 | 1 50 | 15 35 | 0 23 | 0 50 | 1 24 | 21 52 | 3 34 | 19 37 | 19 52 | 17 23 | 11 19 | 0 2 | | | |
| M28 | 14 8 | 1 34 | 5 3 | 17 59 | 1 56 | 2 59 | 1 5 | 24 47 | 1 23 | 17 45 | 0 48 | 11 27 | 1 50 | 15 36 | 0 23 | 0 50 | 1 24 | 21 52 | 3 34 | 19 37 | 19 51 | 17 24 | 11 21 | 0 2 | | | |
| T 29 | 14 27 | 2s48 | 4 37 | 17 36 | 1 43 | 2 35 | 1 8 | 24 47 | 1 23 | 17 48 | 0 47 | 11 27 | 1 50 | 15 37 | 0 23 | 0 49 | 1 24 | 21 52 | 3 34 | 19 36 | 19 51 | 17 25 | 11 22 | 0 2 | | | |
| W30 | 14n46 | 7s 1 | 3s59 | 17n12 | 1n28 | 2s11 | 1s11 | 24n46 | 1n23 | 17n52 | 0s47 | 11n27 | 1n50 | 15n38 | 0s23 | 0s49 | 1n24 | 21s52 | 3s35 | 19s35 | 19s50 | 17s26 | 11n23 | 0s 3 | | | |

ASTRODIENST EPHEMERIS for the year 2273
geocentric

MAY 2273

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|------|
| T 1 | 14 36 29 | 10♌52'39 | 20♊25 | 12°R38 | 28♋22 | 2♉28 | 23♈47 | 4°R44 | 14♌1 | 5°R17 | 7♋20 | 27°R32 | 28♌37 | 14♌55 | 29♋59 | T 1 |
| F 2 | 14 40 26 | 11°51'00 | 2♌17 | 11♌58 | 29°31 | 3° 5 | 24° 1 | 4♌43 | 14° 5 | 5♌16 | 7°20 | 27♌30 | 28°33 | 15° 1 | 0♌3 | F 2 |
| S 3 | 14 44 22 | 12°49'20 | 14° 6 | 11°19 | 0♋39 | 3°43 | 24°15 | 4°43 | 14° 8 | 5°14 | 7°20 | 27°29 | 28°30 | 15° 8 | 0° 6 | S 3 |
| S 4 | 14 48 19 | 13°47'38 | 25°54 | 10°39 | 1°48 | 4°20 | 24°29 | 4°43 | 14°12 | 5°13 | 7°20 | 27°D28 | 28°27 | 15°15 | 0°10 | S 4 |
| M 5 | 14 52 16 | 14°45'55 | 7♋43 | 10° 0 | 2°56 | 4°57 | 24°43 | 4°43 | 14°15 | 5°12 | 7°20 | 27°29 | 28°24 | 15°21 | 0°14 | M 5 |
| T 6 | 14 56 12 | 15°44'09 | 19°36 | 9°23 | 4° 5 | 5°34 | 24°57 | 4°D42 | 14°19 | 5°11 | 7°21 | 27°29 | 28°21 | 15°28 | 0°17 | T 6 |
| W 7 | 15 0 9 | 16°42'22 | 1♌36 | 8°48 | 5°14 | 6°12 | 25°12 | 4°42 | 14°22 | 5°10 | 7°21 | 27°30 | 28°18 | 15°35 | 0°21 | W 7 |
| T 8 | 15 4 5 | 17°40'34 | 13°46 | 8°16 | 6°23 | 6°49 | 25°26 | 4°43 | 14°26 | 5° 8 | 7°R21 | 27°31 | 28°14 | 15°41 | 0°25 | T 8 |
| F 9 | 15 8 2 | 18°38'44 | 26° 9 | 7°47 | 7°32 | 7°26 | 25°40 | 4°43 | 14°29 | 5° 7 | 7°21 | 27°32 | 28°11 | 15°48 | 0°28 | F 9 |
| S 10 | 15 11 58 | 19°36'53 | 8♋49 | 7°21 | 8°41 | 8° 3 | 25°54 | 4°43 | 14°32 | 5° 6 | 7°21 | 27°33 | 28° 8 | 15°55 | 0°32 | S 10 |
| S 11 | 15 15 55 | 20°35'00 | 21°50 | 6°59 | 9°50 | 8°40 | 26° 8 | 4°44 | 14°36 | 5° 5 | 7°21 | 27°R33 | 28° 5 | 16° 1 | 0°36 | S 11 |
| M12 | 15 19 51 | 21°33'06 | 5♋15 | 6°42 | 11° 0 | 9°18 | 26°22 | 4°44 | 14°39 | 5° 4 | 7°20 | 27°33 | 28° 2 | 16° 8 | 0°39 | M12 |
| T 13 | 15 23 48 | 22°31'10 | 19° 5 | 6°29 | 12° 9 | 9°55 | 26°37 | 4°45 | 14°43 | 5° 3 | 7°20 | 27°32 | 27°58 | 16°15 | 0°43 | T 13 |
| W14 | 15 27 45 | 23°29'13 | 3♋21 | 6°20 | 13°18 | 10°32 | 26°51 | 4°46 | 14°46 | 5° 2 | 7°20 | 27°32 | 27°55 | 16°21 | 0°46 | W14 |
| T 15 | 15 31 41 | 24°27'15 | 18° 0 | 6°D17 | 14°28 | 11° 9 | 27° 5 | 4°46 | 14°50 | 5° 1 | 7°20 | 27°31 | 27°52 | 16°28 | 0°50 | T 15 |
| F 16 | 15 35 38 | 25°25'15 | 2♌57 | 6°17 | 15°38 | 11°47 | 27°19 | 4°47 | 14°53 | 5° 0 | 7°20 | 27°31 | 27°49 | 16°35 | 0°53 | F 16 |
| S 17 | 15 39 34 | 26°23'14 | 18° 6 | 6°23 | 16°47 | 12°24 | 27°33 | 4°49 | 14°56 | 4°59 | 7°20 | 27°31 | 27°46 | 16°41 | 0°57 | S 17 |
| S 18 | 15 43 31 | 27°21'12 | 3♌16 | 6°33 | 17°57 | 13° 1 | 27°48 | 4°50 | 15° 0 | 4°58 | 7°19 | 27°31 | 27°43 | 16°48 | 1° 0 | S 18 |
| M19 | 15 47 27 | 28°19'08 | 18°19 | 6°48 | 19° 7 | 13°39 | 28° 2 | 4°51 | 15° 3 | 4°58 | 7°19 | 27°31 | 27°39 | 16°54 | 1° 4 | M19 |
| T 20 | 15 51 24 | 29°17'02 | 3♌6 | 7° 7 | 20°17 | 14°16 | 28°16 | 4°52 | 15° 7 | 4°57 | 7°19 | 27°31 | 27°36 | 17° 1 | 1° 7 | T 20 |
| W21 | 15 55 20 | 0♌14'55 | 17°32 | 7°30 | 21°26 | 14°53 | 28°30 | 4°54 | 15°10 | 4°56 | 7°18 | 27°31 | 27°33 | 17° 8 | 1°11 | W21 |
| T 22 | 15 59 17 | 1°12'46 | 1♌31 | 7°58 | 22°36 | 15°30 | 28°45 | 4°55 | 15°13 | 4°55 | 7°18 | 27°30 | 27°30 | 17°14 | 1°14 | T 22 |
| F 23 | 16 3 14 | 2°10'36 | 15° 3 | 8°30 | 23°46 | 16° 8 | 28°59 | 4°57 | 15°17 | 4°54 | 7°18 | 27°30 | 27°27 | 17°21 | 1°18 | F 23 |
| S 24 | 16 7 10 | 3° 8'23 | 28°10 | 9° 6 | 24°56 | 16°45 | 29°13 | 4°59 | 15°20 | 4°54 | 7°17 | 27°D30 | 27°24 | 17°28 | 1°21 | S 24 |
| S 25 | 16 11 7 | 4° 6'09 | 10♌54 | 9°45 | 26° 7 | 17°22 | 29°27 | 5° 1 | 15°23 | 4°53 | 7°17 | 27°30 | 27°20 | 17°34 | 1°24 | S 25 |
| M26 | 16 15 3 | 5° 3'54 | 23°18 | 10°29 | 27°17 | 17°59 | 29°41 | 5° 3 | 15°27 | 4°52 | 7°16 | 27°30 | 27°17 | 17°41 | 1°28 | M26 |
| T 27 | 16 19 0 | 6° 1'36 | 5♌28 | 11°16 | 28°27 | 18°37 | 29°55 | 5° 5 | 15°30 | 4°52 | 7°16 | 27°31 | 27°14 | 17°48 | 1°31 | T 27 |
| W28 | 16 22 56 | 6°59'18 | 17°26 | 12° 7 | 29°37 | 19°14 | 0♌10 | 5° 7 | 15°33 | 4°51 | 7°15 | 27°32 | 27°11 | 17°54 | 1°34 | W28 |
| T 29 | 16 26 53 | 7°56'57 | 29°17 | 13° 1 | 0♌48 | 19°51 | 0°24 | 5°10 | 15°37 | 4°51 | 7°15 | 27°33 | 27° 8 | 18° 1 | 1°37 | T 29 |
| F 30 | 16 30 49 | 8°54'36 | 11♌5 | 13°58 | 1°58 | 20°29 | 0°38 | 5°12 | 15°40 | 4°50 | 7°14 | 27°34 | 27° 4 | 18° 8 | 1°40 | F 30 |
| S 31 | 16 34 46 | 9♌52'13 | 22♌53 | 14♌59 | 3♌8 | 21♌6 | 0♌52 | 5♌14 | 15♌43 | 4♌50 | 7♌14 | 27°R34 | 27♌1 | 18♌14 | 1♌44 | S 31 |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | lat |
| T 1 | 15n 4 | 10s55 | 3s11 | 16n45 | 1n13 | 1s47 | 1s14 | 24n45 | 1n23 | 17n56 | 0s47 | 11n28 | 1n49 | 15n39 | 0s23 | 0s48 |
| F 2 | 15 22 | 14 22 | 2 15 | 16 18 | 0 56 | 1 23 | 1 17 | 24 45 | 1 23 | 17 59 | 0 47 | 11 28 | 1 49 | 15 40 | 0 23 | 0 48 |
| S 3 | 15 40 | 17 13 | 1 13 | 15 50 | 0 40 | 0 58 | 1 20 | 24 44 | 1 23 | 18 3 | 0 47 | 11 28 | 1 49 | 15 42 | 0 23 | 0 47 |
| S 4 | 15 57 | 19 21 | 0 9 | 15 21 | 0 22 | 0 33 | 1 23 | 24 42 | 1 23 | 18 6 | 0 47 | 11 28 | 1 49 | 15 43 | 0 23 | 0 47 |
| M 5 | 16 15 | 20 38 | 0n57 | 14 52 | 0 5 | 0 8 | 1 25 | 24 41 | 1 22 | 18 10 | 0 47 | 11 28 | 1 49 | 15 44 | 0 23 | 0 46 |
| T 6 | 16 32 | 21 0 | 2 0 | 14 24 | 0s12 | 0n17 | 1 28 | 24 39 | 1 22 | 18 13 | 0 47 | 11 28 | 1 49 | 15 45 | 0 23 | 0 46 |
| W 7 | 16 48 | 20 25 | 2 58 | 13 57 | 0 29 | 0 42 | 1 30 | 24 38 | 1 22 | 18 17 | 0 47 | 11 27 | 1 49 | 15 46 | 0 23 | 0 45 |
| T 8 | 17 5 | 18 53 | 3 50 | 13 30 | 0 46 | 1 7 | 1 33 | 24 36 | 1 22 | 18 20 | 0 47 | 11 27 | 1 49 | 15 47 | 0 23 | 0 45 |
| F 9 | 17 21 | 16 26 | 4 31 | 13 6 | 1 3 | 1 32 | 1 35 | 24 34 | 1 22 | 18 24 | 0 46 | 11 27 | 1 48 | 15 48 | 0 23 | 0 45 |
| S 10 | 17 37 | 13 11 | 5 1 | 12 42 | 1 19 | 1 57 | 1 37 | 24 32 | 1 22 | 18 27 | 0 46 | 11 27 | 1 48 | 15 49 | 0 23 | 0 44 |
| S 11 | 17 52 | 9 13 | 5 16 | 12 21 | 1 34 | 2 22 | 1 39 | 24 29 | 1 22 | 18 30 | 0 46 | 11 27 | 1 48 | 15 50 | 0 23 | 0 44 |
| M12 | 18 7 | 4 41 | 5 15 | 12 2 | 1 48 | 2 48 | 1 41 | 24 26 | 1 22 | 18 34 | 0 46 | 11 26 | 1 48 | 15 51 | 0 23 | 0 43 |
| T 13 | 18 22 | 0n14 | 4 56 | 11 45 | 2 2 | 3 13 | 1 43 | 24 24 | 1 22 | 18 37 | 0 46 | 11 26 | 1 48 | 15 52 | 0 23 | 0 43 |
| W14 | 18 37 | 5 17 | 4 18 | 11 30 | 2 14 | 3 38 | 1 45 | 24 21 | 1 22 | 18 40 | 0 46 | 11 25 | 1 48 | 15 53 | 0 23 | 0 43 |
| T 15 | 18 51 | 10 10 | 3 23 | 11 17 | 2 26 | 4 4 | 1 46 | 24 18 | 1 22 | 18 44 | 0 46 | 11 25 | 1 48 | 15 54 | 0 23 | 0 42 |
| F 16 | 19 5 | 14 33 | 2 12 | 11 7 | 2 37 | 4 29 | 1 48 | 24 14 | 1 22 | 18 47 | 0 46 | 11 25 | 1 48 | 15 55 | 0 23 | 0 42 |
| S 17 | 19 19 | 18 2 | 0 52 | 11 0 | 2 47 | 4 54 | 1 49 | 24 11 | 1 22 | 18 50 | 0 46 | 11 24 | 1 47 | 15 56 | 0 23 | 0 42 |
| S 18 | 19 32 | 20 15 | 0s32 | 10 55 | 2 56 | 5 19 | 1 51 | 24 7 | 1 22 | 18 54 | 0 46 | 11 23 | 1 47 | 15 57 | 0 23 | 0 41 |
| M19 | 19 45 | 21 1 | 1 53 | 10 52 | 3 4 | 5 45 | 1 52 | 24 3 | 1 21 | 18 57 | 0 46 | 11 23 | 1 47 | 15 58 | 0 23 | 0 41 |
| T 20 | 19 58 | 20 17 | 3 5 | 10 52 | 3 10 | 6 10 | 1 53 | 23 59 | 1 21 | 19 0 | 0 46 | 11 22 | 1 47 | 15 59 | 0 23 | 0 41 |
| W21 | 20 10 | 18 14 | 4 4 | 10 54 | 3 16 | 6 35 | 1 54 | 23 55 | 1 21 | 19 3 | 0 46 | 11 22 | 1 47 | 16 0 | 0 23 | 0 40 |
| T 22 | 20 22 | 15 8 | 4 46 | 10 58 | 3 21 | 7 0 | 1 55 | 23 51 | 1 21 | 19 6 | 0 45 | 11 21 | 1 47 | 16 1 | 0 23 | 0 40 |
| F 23 | 20 34 | 11 21 | 5 10 | 11 4 | 3 25 | 7 25 | 1 56 | 23 46 | 1 21 | 19 10 | 0 45 | 11 20 | 1 47 | 16 2 | 0 23 | 0 40 |
| S 24 | 20 45 | 7 7 | 5 18 | 11 12 | 3 29 | 7 50 | 1 57 | 23 42 | 1 21 | 19 13 | 0 45 | 11 19 | 1 47 | 16 3 | 0 23 | 0 40 |
| S 25 | 20 56 | 2 42 | 5 9 | 11 23 | 3 31 | 8 15 | 1 57 | 23 37 | 1 21 | 19 16 | 0 45 | 11 19 | 1 46 | 16 4 | 0 23 | 0 39 |
| M26 | 21 7 | 1s44 | 4 46 | 11 35 | 3 32 | 8 39 | 1 58 | 23 32 | 1 21 | 19 19 | 0 45 | 11 18 | 1 46 | 16 5 | 0 23 | 0 39 |
| T 27 | 21 17 | 6 0 | 4 11 | 11 49 | 3 33 | 9 4 | 1 58 | 23 26 | 1 21 | 19 22 | 0 45 | 11 17 | 1 46 | 16 6 | 0 23 | 0 39 |
| W28 | 21 27 | 9 59 | 3 25 | 12 4 | 3 33 | 9 28 | 1 59 | 23 21 | 1 20 | 19 25 | 0 45 | 11 16 | 1 46 | 16 7 | 0 23 | 0 39 |
| T 29 | 21 36 | 13 33 | 2 31 | 12 21 | 3 32 | 9 52 | 1 59 | 23 16 | 1 20 | 19 28 | 0 45 | 11 15 | 1 46 | 16 7 | 0 23 | 0 39 |
| F 30 | 21 45 | 16 34 | 1 30 | 12 40 | 3 30 | 10 16 | 1 59 | 23 10 | 1 20 | 19 31 | 0 45 | 11 14 | 1 46 | 16 8 | 0 23 | 0 38 |
| S 31 | 21n54 | 18s53 | 0s26 | 13n 0 | 3s28 | 10n40 | 1s59 | 23n 4 | 1n20 | 19n34 | 0s45 | 11n13 | 1n46 | 16n 9 | 0s23 | 0s38 |

Julian Day Number = 2551376.5, Delta T = 253.59 sec
Ecliptic obliquity = 23°24'09, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°33'38, Lahiri = 27°40'39

ASTRODIENST EPHEMERIS for the year 2273
geocentric

JULY 2273

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | ♈ | ♉ | Day |
|------|----------|----------|--------|-------|--------|--------|--------|--------|--------|-------|-------|--------|--------|--------|-------|------|
| T 1 | 18 36 59 | 9♂31'24 | 7♂38 | 8♂19 | 9♂54 | 10♂24 | 7♂55 | 7♂16 | 17♂12 | 4♂50 | 6♂R44 | 26♂R56 | 25♂M23 | 21♂M40 | 3♂4 | T 1 |
| W 2 | 18 40 56 | 10°28'37 | 20° 4 | 10°30 | 11° 5 | 11° 1 | 8° 8 | 7°21 | 17°14 | 4°50 | 6♂A43 | 26♂M49 | 25°20 | 21°47 | 3° 6 | W 2 |
| T 3 | 18 44 52 | 11°25'49 | 2♂A42 | 12°41 | 12°17 | 11°38 | 8°21 | 7°27 | 17°16 | 4°51 | 6°42 | 26°41 | 25°16 | 21°54 | 3° 8 | T 3 |
| F 4 | 18 48 49 | 12°23'02 | 15°33 | 14°51 | 13°29 | 12°16 | 8°34 | 7°32 | 17°19 | 4°51 | 6°41 | 26°34 | 25°13 | 22° 0 | 3°10 | F 4 |
| S 5 | 18 52 46 | 13°20'15 | 28°38 | 17° 1 | 14°41 | 12°53 | 8°47 | 7°37 | 17°21 | 4°52 | 6°39 | 26°27 | 25°10 | 22° 7 | 3°11 | S 5 |
| S 6 | 18 56 42 | 14°17'27 | 11♂55 | 19° 9 | 15°53 | 13°31 | 9° 0 | 7°43 | 17°23 | 4°53 | 6°38 | 26°21 | 25° 7 | 22°14 | 3°13 | S 6 |
| M 7 | 19 0 39 | 15°14'40 | 25°25 | 21°17 | 17° 5 | 14° 8 | 9°13 | 7°48 | 17°26 | 4°53 | 6°37 | 26°17 | 25° 4 | 22°20 | 3°15 | M 7 |
| T 8 | 19 4 35 | 16°11'53 | 9♂Y 9 | 23°23 | 18°17 | 14°46 | 9°25 | 7°54 | 17°28 | 4°54 | 6°36 | 26°15 | 25° 1 | 22°27 | 3°16 | T 8 |
| W 9 | 19 8 32 | 17° 9'06 | 23° 5 | 25°27 | 19°29 | 15°23 | 9°38 | 7°59 | 17°30 | 4°55 | 6°34 | 26°D15 | 24°57 | 22°33 | 3°18 | W 9 |
| T 10 | 19 12 28 | 18° 6'19 | 7♂15 | 27°30 | 20°41 | 16° 0 | 9°50 | 8° 5 | 17°32 | 4°56 | 6°33 | 26°16 | 24°54 | 22°40 | 3°20 | T 10 |
| F 11 | 19 16 25 | 19° 3'33 | 21°36 | 29°31 | 21°53 | 16°38 | 10° 3 | 8°11 | 17°34 | 4°56 | 6°32 | 26°R17 | 24°51 | 22°47 | 3°21 | F 11 |
| S 12 | 19 20 21 | 20° 0'47 | 6♂II 6 | 1♂J30 | 23° 5 | 17°15 | 10°15 | 8°17 | 17°36 | 4°57 | 6°30 | 26°17 | 24°48 | 22°53 | 3°22 | S 12 |
| S 13 | 19 24 18 | 20°58'02 | 20°42 | 3°28 | 24°17 | 17°53 | 10°28 | 8°23 | 17°38 | 4°58 | 6°29 | 26°14 | 24°45 | 23° 0 | 3°24 | S 13 |
| M14 | 19 28 15 | 21°55'17 | 5♂B18 | 5°23 | 25°29 | 18°31 | 10°40 | 8°29 | 17°40 | 4°59 | 6°28 | 26°10 | 24°42 | 23° 7 | 3°25 | M14 |
| T 15 | 19 32 11 | 22°52'32 | 19°48 | 7°17 | 26°42 | 19° 8 | 10°52 | 8°35 | 17°42 | 5° 0 | 6°26 | 26° 3 | 24°38 | 23°13 | 3°26 | T 15 |
| W16 | 19 36 8 | 23°49'47 | 4♂J 5 | 9° 9 | 27°54 | 19°46 | 11° 4 | 8°41 | 17°44 | 5° 1 | 6°25 | 25°54 | 24°35 | 23°20 | 3°28 | W16 |
| T 17 | 19 40 4 | 24°47'02 | 18° 3 | 10°59 | 29° 6 | 20°23 | 11°16 | 8°47 | 17°45 | 5° 2 | 6°24 | 25°45 | 24°32 | 23°27 | 3°29 | T 17 |
| F 18 | 19 44 1 | 25°44'17 | 1♂P38 | 12°47 | 0♂B19 | 21° 1 | 11°28 | 8°53 | 17°47 | 5° 3 | 6°22 | 25°36 | 24°29 | 23°33 | 3°30 | F 18 |
| S 19 | 19 47 57 | 26°41'33 | 14°50 | 14°33 | 1°31 | 21°38 | 11°40 | 8°59 | 17°49 | 5° 4 | 6°21 | 25°28 | 24°26 | 23°40 | 3°31 | S 19 |
| S 20 | 19 51 54 | 27°38'48 | 27°37 | 16°17 | 2°43 | 22°16 | 11°52 | 9° 6 | 17°51 | 5° 5 | 6°19 | 25°22 | 24°22 | 23°47 | 3°32 | S 20 |
| M21 | 19 55 50 | 28°36'03 | 10♂A 4 | 17°59 | 3°56 | 22°53 | 12° 4 | 9°12 | 17°52 | 5° 6 | 6°18 | 25°18 | 24°19 | 23°53 | 3°33 | M21 |
| T 22 | 19 59 47 | 29°33'19 | 22°14 | 19°39 | 5° 8 | 23°31 | 12°15 | 9°18 | 17°54 | 5° 7 | 6°17 | 25°16 | 24°16 | 24° 0 | 3°34 | T 22 |
| W23 | 20 3 44 | 0♂J30'35 | 4♂M11 | 21°18 | 6°21 | 24° 9 | 12°27 | 9°25 | 17°55 | 5° 8 | 6°15 | 25°D16 | 24°13 | 24° 6 | 3°35 | W23 |
| T 24 | 20 7 40 | 1°27'51 | 16° 0 | 22°54 | 7°33 | 24°46 | 12°39 | 9°31 | 17°57 | 5° 9 | 6°14 | 25°17 | 24°10 | 24°13 | 3°36 | T 24 |
| F 25 | 20 11 37 | 2°25'07 | 27°49 | 24°29 | 8°46 | 25°24 | 12°50 | 9°38 | 17°58 | 5°11 | 6°12 | 25°R17 | 24° 7 | 24°20 | 3°36 | F 25 |
| S 26 | 20 15 33 | 3°22'23 | 9♂A40 | 26° 2 | 9°59 | 26° 2 | 13° 1 | 9°44 | 18° 0 | 5°12 | 6°11 | 25°16 | 24° 3 | 24°26 | 3°37 | S 26 |
| S 27 | 20 19 30 | 4°19'40 | 21°40 | 27°32 | 11°11 | 26°39 | 13°13 | 9°51 | 18° 1 | 5°13 | 6°10 | 25°13 | 24° 0 | 24°33 | 3°38 | S 27 |
| M28 | 20 23 26 | 5°16'57 | 3♂B51 | 29° 1 | 12°24 | 27°17 | 13°24 | 9°58 | 18° 2 | 5°14 | 6° 8 | 25° 7 | 23°57 | 24°40 | 3°38 | M28 |
| T 29 | 20 27 23 | 6°14'15 | 16°16 | 0♂P28 | 13°37 | 27°54 | 13°35 | 10° 4 | 18° 4 | 5°16 | 6° 7 | 24°59 | 23°54 | 24°46 | 3°39 | T 29 |
| W30 | 20 31 19 | 7°11'33 | 28°58 | 1°53 | 14°49 | 28°32 | 13°46 | 10°11 | 18° 5 | 5°17 | 6° 5 | 24°49 | 23°51 | 24°53 | 3°39 | W30 |
| T 31 | 20 35 16 | 8♂J 8'52 | 11♂A56 | 3♂P15 | 16♂B 2 | 29♂J10 | 13♂I57 | 10♂P18 | 18♂B 6 | 5♂A18 | 6♂A 4 | 24♂M38 | 23♂M47 | 25♂M 0 | 3♂B40 | T 31 |

| Day | ☉ | ☽ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | ♈ | ♉ |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | lat |
| T 1 | 23n 4 | 19s49 | 3n22 | 24n15 | 1n 7 | 20n31 | 1s24 | 18n48 | 1n15 | 20n52 | 0s44 | 10n25 | 1n42 | 16n35 |
| W 2 | 22 59 | 17 49 | 4 8 | 24 13 | 1 14 | 20 43 | 1 22 | 18 38 | 1 14 | 20 55 | 0 44 | 10 23 | 1 42 | 16 35 |
| T 3 | 22 55 | 14 57 | 4 42 | 24 9 | 1 21 | 20 55 | 1 20 | 18 27 | 1 14 | 20 57 | 0 44 | 10 21 | 1 42 | 16 36 |
| F 4 | 22 50 | 11 19 | 5 3 | 24 2 | 1 28 | 21 6 | 1 18 | 18 17 | 1 14 | 20 59 | 0 44 | 10 19 | 1 42 | 16 36 |
| S 5 | 22 44 | 7 7 | 5 8 | 23 52 | 1 33 | 21 16 | 1 15 | 18 6 | 1 14 | 21 1 | 0 44 | 10 17 | 1 42 | 16 37 |
| S 6 | 22 38 | 2 30 | 4 57 | 23 39 | 1 38 | 21 27 | 1 13 | 17 55 | 1 14 | 21 3 | 0 44 | 10 15 | 1 42 | 16 38 |
| M 7 | 22 32 | 2n18 | 4 30 | 23 24 | 1 42 | 21 36 | 1 11 | 17 44 | 1 13 | 21 5 | 0 44 | 10 12 | 1 42 | 16 38 |
| T 8 | 22 25 | 7 5 | 3 46 | 23 7 | 1 45 | 21 45 | 1 8 | 17 33 | 1 13 | 21 6 | 0 44 | 10 10 | 1 42 | 16 39 |
| W 9 | 22 18 | 11 35 | 2 49 | 22 47 | 1 48 | 21 53 | 1 6 | 17 22 | 1 13 | 21 8 | 0 44 | 10 8 | 1 42 | 16 40 |
| T 10 | 22 11 | 15 30 | 1 41 | 22 25 | 1 50 | 22 1 | 1 4 | 17 10 | 1 13 | 21 10 | 0 44 | 10 6 | 1 42 | 16 40 |
| F 11 | 22 3 | 18 32 | 0 25 | 22 2 | 1 51 | 22 8 | 1 1 | 16 59 | 1 12 | 21 12 | 0 44 | 10 4 | 1 42 | 16 41 |
| S 12 | 21 55 | 20 26 | 0s53 | 21 36 | 1 51 | 22 15 | 0 59 | 16 47 | 1 12 | 21 14 | 0 44 | 10 1 | 1 42 | 16 41 |
| S 13 | 21 46 | 20 58 | 2 7 | 21 9 | 1 51 | 22 21 | 0 56 | 16 35 | 1 12 | 21 16 | 0 44 | 9 59 | 1 42 | 16 42 |
| M14 | 21 37 | 20 4 | 3 14 | 20 40 | 1 50 | 22 26 | 0 54 | 16 24 | 1 12 | 21 17 | 0 44 | 9 57 | 1 42 | 16 42 |
| T 15 | 21 28 | 17 52 | 4 7 | 20 10 | 1 48 | 22 31 | 0 51 | 16 12 | 1 12 | 21 19 | 0 44 | 9 55 | 1 41 | 16 43 |
| W16 | 21 18 | 14 37 | 4 43 | 19 39 | 1 46 | 22 35 | 0 49 | 16 0 | 1 11 | 21 21 | 0 44 | 9 50 | 1 41 | 16 43 |
| T 17 | 21 8 | 10 36 | 5 2 | 19 6 | 1 43 | 22 38 | 0 46 | 15 48 | 1 11 | 21 22 | 0 44 | 9 52 | 1 41 | 16 44 |
| F 18 | 20 58 | 6 9 | 5 3 | 18 33 | 1 40 | 22 41 | 0 43 | 15 35 | 1 11 | 21 24 | 0 44 | 9 47 | 1 41 | 16 44 |
| S 19 | 20 47 | 1 32 | 4 48 | 17 58 | 1 36 | 22 43 | 0 41 | 15 23 | 1 11 | 21 26 | 0 44 | 9 45 | 1 41 | 16 45 |
| S 20 | 20 36 | 3s 1 | 4 18 | 17 23 | 1 31 | 22 44 | 0 38 | 15 11 | 1 10 | 21 27 | 0 44 | 9 43 | 1 41 | 16 45 |
| M21 | 20 25 | 7 19 | 3 37 | 16 47 | 1 26 | 22 45 | 0 35 | 14 58 | 1 10 | 21 29 | 0 44 | 9 40 | 1 41 | 16 46 |
| T 22 | 20 13 | 11 13 | 2 47 | 16 10 | 1 20 | 22 46 | 0 33 | 14 45 | 1 10 | 21 30 | 0 44 | 9 38 | 1 41 | 16 46 |
| W23 | 20 1 | 14 37 | 1 50 | 15 33 | 1 14 | 22 45 | 0 30 | 14 33 | 1 10 | 21 32 | 0 44 | 9 35 | 1 41 | 16 47 |
| T 24 | 19 48 | 17 23 | 0 49 | 14 56 | 1 8 | 22 44 | 0 27 | 14 20 | 1 9 | 21 33 | 0 44 | 9 33 | 1 41 | 16 47 |
| F 25 | 19 35 | 19 25 | 0n14 | 14 18 | 1 1 | 22 42 | 0 25 | 14 7 | 1 9 | 21 35 | 0 44 | 9 30 | 1 41 | 16 47 |
| S 26 | 19 22 | 20 37 | 1 16 | 13 40 | 0 54 | 22 40 | 0 22 | 13 54 | 1 9 | 21 36 | 0 44 | 9 28 | 1 41 | 16 48 |
| S 27 | 19 9 | 20 53 | 2 16 | 13 2 | 0 46 | 22 37 | 0 19 | 13 41 | 1 8 | 21 38 | 0 44 | 9 25 | 1 41 | 16 48 |
| M28 | 18 55 | 20 11 | 3 10 | 12 24 | 0 38 | 22 33 | 0 17 | 13 28 | 1 8 | 21 39 | 0 44 | 9 23 | 1 41 | 16 48 |
| T 29 | 18 41 | 18 30 | 3 56 | 11 45 | 0 30 | 22 29 | 0 14 | 13 15 | 1 8 | 21 40 | 0 44 | 9 20 | 1 41 | 16 49 |
| W30 | 18 27 | 15 54 | 4 32 | 11 7 | 0 21 | 22 24 | 0 11 | 13 1 | 1 8 | 21 42 | 0 44 | 9 18 | 1 41 | 16 49 |
| T 31 | 18n12 | 12s28 | 4n54 | 10n29 | 0n12 | 22n18 | 0s 8 | 12n48 | 1n 7 | 21n43 | 0s44 | 9n15 | 1n41 | 16n49 |

Julian Day Number = 2551437.5, Delta T = 253.84 sec
Ecliptic obliquity = 23°24'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°33'47, Lahiri = 27°40'47

ASTRODIENST EPHEMERIS for the year 2273
geocentric

AUGUST 2273

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|--------|--------|-------|------|
| F 1 | 20 39 13 | 9♌ 6'11 | 25♋ 9 | 4♏ 36 | 17♌ 15 | 29♌ 48 | 14♏ 7 | 10♏ 25 | 18♏ 7 | 5♏ 20 | 6♏ 2 | 24♏ 26 | 23♏ 44 | 25♏ 6 | 3♏ 40 | F 1 |
| S 2 | 20 43 9 | 10° 3'31 | 8♏ 36 | 5°55 | 18°28 | 0♏ 25 | 14°18 | 10°32 | 18° 8 | 5°21 | 6♏ 1 | 24♏ 15 | 23°41 | 25°13 | 3°40 | S 2 |
| S 3 | 20 47 6 | 11° 0'52 | 22°15 | 7°11 | 19°41 | 1° 3 | 14°29 | 10°39 | 18° 9 | 5°23 | 6° 0 | 24° 6 | 23°38 | 25°20 | 3°40 | S 3 |
| M 4 | 20 51 2 | 11°58'14 | 6♏ 2 | 8°26 | 20°54 | 1°41 | 14°39 | 10°45 | 18°10 | 5°24 | 5°58 | 23°59 | 23°35 | 25°26 | 3°41 | M 4 |
| T 5 | 20 54 59 | 12°55'37 | 19°57 | 9°38 | 22° 7 | 2°18 | 14°50 | 10°52 | 18°11 | 5°26 | 5°57 | 23°56 | 23°32 | 25°33 | 3°41 | T 5 |
| W 6 | 20 58 55 | 13°53'01 | 3♏ 57 | 10°48 | 23°20 | 2°56 | 15° 0 | 10°59 | 18°12 | 5°27 | 5°55 | 23°54 | 23°28 | 25°39 | 3°41 | W 6 |
| T 7 | 21 2 52 | 14°50'26 | 18° 2 | 11°55 | 24°33 | 3°34 | 15°10 | 11° 7 | 18°13 | 5°29 | 5°54 | 23°54 | 23°25 | 25°46 | 3°41 | T 7 |
| F 8 | 21 6 48 | 15°47'52 | 2♏ 11 | 13° 0 | 25°46 | 4°12 | 15°20 | 11°14 | 18°14 | 5°30 | 5°53 | 23°54 | 23°22 | 25°53 | 3°41 | F 8 |
| S 9 | 21 10 45 | 16°45'20 | 16°23 | 14° 2 | 26°59 | 4°50 | 15°30 | 11°21 | 18°15 | 5°32 | 5°51 | 23°52 | 23°19 | 25°59 | 3°41 | S 9 |
| S 10 | 21 14 42 | 17°42'49 | 0♏ 36 | 15° 2 | 28°13 | 5°28 | 15°40 | 11°28 | 18°15 | 5°33 | 5°50 | 23°49 | 23°16 | 26° 6 | 3°41 | S 10 |
| M 11 | 21 18 38 | 18°40'19 | 14°47 | 15°59 | 29°26 | 6° 5 | 15°50 | 11°35 | 18°16 | 5°35 | 5°49 | 23°43 | 23°13 | 26°13 | 3°40 | M 11 |
| T 12 | 21 22 35 | 19°37'51 | 28°53 | 16°53 | 0♏ 39 | 6°43 | 15°59 | 11°42 | 18°16 | 5°37 | 5°47 | 23°34 | 23° 9 | 26°19 | 3°40 | T 12 |
| W 13 | 21 26 31 | 20°35'23 | 12♏ 48 | 17°43 | 1°52 | 7°21 | 16° 9 | 11°49 | 18°17 | 5°38 | 5°46 | 23°23 | 23° 6 | 26°26 | 3°40 | W 13 |
| T 14 | 21 30 28 | 21°32'56 | 26°29 | 18°31 | 3° 6 | 7°59 | 16°18 | 11°57 | 18°18 | 5°40 | 5°44 | 23°10 | 23° 3 | 26°33 | 3°39 | T 14 |
| F 15 | 21 34 24 | 22°30'31 | 9♏ 52 | 19°15 | 4°19 | 8°37 | 16°28 | 12° 4 | 18°18 | 5°42 | 5°43 | 22°58 | 23° 0 | 26°39 | 3°39 | F 15 |
| S 16 | 21 38 21 | 23°28'06 | 22°55 | 19°56 | 5°33 | 9°15 | 16°37 | 12°11 | 18°18 | 5°44 | 5°42 | 22°48 | 22°57 | 26°46 | 3°39 | S 16 |
| S 17 | 21 42 17 | 24°25'43 | 5♏ 37 | 20°32 | 6°46 | 9°53 | 16°46 | 12°19 | 18°19 | 5°45 | 5°40 | 22°39 | 22°53 | 26°53 | 3°38 | S 17 |
| M 18 | 21 46 14 | 25°23'20 | 18° 1 | 21° 5 | 7°59 | 10°31 | 16°55 | 12°26 | 18°19 | 5°47 | 5°39 | 22°33 | 22°50 | 26°59 | 3°37 | M 18 |
| T 19 | 21 50 10 | 26°20'58 | 0♏ 9 | 21°34 | 9°13 | 11° 9 | 17° 4 | 12°33 | 18°19 | 5°49 | 5°38 | 22°29 | 22°47 | 27° 6 | 3°37 | T 19 |
| W 20 | 21 54 7 | 27°18'38 | 12° 6 | 21°58 | 10°27 | 11°47 | 17°12 | 12°41 | 18°20 | 5°51 | 5°37 | 22°28 | 22°44 | 27°13 | 3°36 | W 20 |
| T 21 | 21 58 4 | 28°16'18 | 23°55 | 22°17 | 11°40 | 12°25 | 17°21 | 12°48 | 18°20 | 5°53 | 5°35 | 22°28 | 22°41 | 27°19 | 3°35 | T 21 |
| F 22 | 22 2 0 | 29°13'59 | 5♏ 44 | 22°32 | 12°54 | 13° 3 | 17°29 | 12°56 | 18°20 | 5°54 | 5°34 | 22°28 | 22°38 | 27°26 | 3°34 | F 22 |
| S 23 | 22 5 57 | 0♏ 11'42 | 17°37 | 22°41 | 14° 7 | 13°41 | 17°37 | 13° 3 | 18°20 | 5°56 | 5°33 | 22°27 | 22°34 | 27°32 | 3°34 | S 23 |
| S 24 | 22 9 53 | 1° 9'25 | 29°39 | 22°R46 | 15°21 | 14°19 | 17°46 | 13°11 | 18°R20 | 5°58 | 5°31 | 22°24 | 22°31 | 27°39 | 3°33 | S 24 |
| M 25 | 22 13 50 | 2° 7'10 | 11♏ 55 | 22°44 | 16°35 | 14°57 | 17°54 | 13°18 | 18°20 | 6° 0 | 5°30 | 22°19 | 22°28 | 27°46 | 3°32 | M 25 |
| T 26 | 22 17 46 | 3° 4'56 | 24°29 | 22°37 | 17°49 | 15°35 | 18° 1 | 13°26 | 18°20 | 6° 2 | 5°29 | 22°11 | 22°25 | 27°52 | 3°31 | T 26 |
| W 27 | 22 21 43 | 4° 2'43 | 7♏ 23 | 22°25 | 19° 2 | 16°13 | 18° 9 | 13°33 | 18°20 | 6° 4 | 5°28 | 22° 1 | 22°22 | 27°59 | 3°30 | W 27 |
| T 28 | 22 25 39 | 5° 0'31 | 20°38 | 22° 6 | 20°16 | 16°51 | 18°17 | 13°41 | 18°19 | 6° 6 | 5°27 | 21°49 | 22°19 | 28° 6 | 3°28 | T 28 |
| F 29 | 22 29 36 | 5°58'12 | 4♏ 13 | 21°41 | 21°30 | 17°30 | 18°24 | 13°48 | 18°19 | 6° 8 | 5°25 | 21°37 | 22°15 | 28°12 | 3°27 | F 29 |
| S 30 | 22 33 33 | 6°56'12 | 18° 4 | 21°11 | 22°44 | 18° 8 | 18°32 | 13°56 | 18°19 | 6°10 | 5°24 | 21°27 | 22°12 | 28°19 | 3°26 | S 30 |
| S 31 | 22 37 29 | 7♏ 54'04 | 2♏ 7 | 20♏ 35 | 23♏ 58 | 18♏ 46 | 18♏ 39 | 14♏ 3 | 18♏ 18 | 6♏ 12 | 5♏ 23 | 21♏ 17 | 22♏ 9 | 28♏ 26 | 3♏ 25 | S 31 |

| Day | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|-------|-------|------|------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|
| F 1 | 17n57 | 8s23 | 5n 2 | 9n51 | 0n 3 | 22n12 | 0s 6 | 12n35 | 1n 7 | 21n44 | 0s44 | 9n12 | 1n41 | 16n50 | 0s23 | F 1 |
| S 2 | 17 42 | 3 48 | 4 52 | 9 13 | 0s 7 | 22 5 | 0 3 | 12 21 | 1 7 | 21 45 | 0 44 | 9 10 | 1 41 | 16 50 | 0 23 | S 2 |
| S 3 | 17 26 | 1n 1 | 4 26 | 8 36 | 0 17 | 21 57 | 0 0 | 12 7 | 1 7 | 21 46 | 0 44 | 9 7 | 1 41 | 16 50 | 0 23 | S 3 |
| M 4 | 17 11 | 5 50 | 3 45 | 7 59 | 0 27 | 21 49 | 0n 2 | 11 54 | 1 6 | 21 48 | 0 44 | 9 4 | 1 41 | 16 51 | 0 23 | M 4 |
| T 5 | 16 54 | 10 24 | 2 50 | 7 22 | 0 37 | 21 40 | 0 5 | 11 40 | 1 6 | 21 49 | 0 44 | 9 2 | 1 41 | 16 51 | 0 23 | T 5 |
| W 6 | 16 38 | 14 26 | 1 44 | 6 46 | 0 48 | 21 31 | 0 7 | 11 26 | 1 6 | 21 50 | 0 44 | 8 59 | 1 41 | 16 51 | 0 23 | W 6 |
| T 7 | 16 21 | 17 40 | 0 31 | 6 11 | 0 59 | 21 21 | 0 10 | 11 12 | 1 5 | 21 51 | 0 44 | 8 56 | 1 41 | 16 51 | 0 23 | T 7 |
| F 8 | 16 5 | 19 51 | 0s44 | 5 36 | 1 10 | 21 10 | 0 13 | 10 58 | 1 5 | 21 52 | 0 44 | 8 54 | 1 41 | 16 51 | 0 23 | F 8 |
| S 9 | 15 47 | 20 47 | 1 56 | 5 2 | 1 21 | 20 58 | 0 15 | 10 44 | 1 5 | 21 53 | 0 44 | 8 51 | 1 41 | 16 52 | 0 23 | S 9 |
| S 10 | 15 30 | 20 23 | 3 1 | 4 29 | 1 32 | 20 47 | 0 18 | 10 30 | 1 5 | 21 54 | 0 44 | 8 48 | 1 41 | 16 52 | 0 23 | S 10 |
| M 11 | 15 12 | 18 42 | 3 55 | 3 56 | 1 43 | 20 34 | 0 20 | 10 16 | 1 4 | 21 55 | 0 44 | 8 45 | 1 41 | 16 52 | 0 23 | M 11 |
| T 12 | 14 54 | 15 53 | 4 34 | 3 25 | 1 54 | 20 21 | 0 23 | 10 1 | 1 4 | 21 56 | 0 44 | 8 43 | 1 41 | 16 52 | 0 23 | T 12 |
| W 13 | 14 36 | 12 13 | 4 56 | 2 55 | 2 6 | 20 7 | 0 25 | 9 47 | 1 4 | 21 57 | 0 44 | 8 40 | 1 41 | 16 52 | 0 23 | W 13 |
| T 14 | 14 18 | 7 58 | 5 0 | 2 26 | 2 17 | 19 53 | 0 27 | 9 33 | 1 3 | 21 58 | 0 44 | 8 37 | 1 41 | 16 52 | 0 23 | T 14 |
| F 15 | 13 59 | 3 25 | 4 48 | 1 58 | 2 28 | 19 38 | 0 30 | 9 18 | 1 3 | 21 59 | 0 44 | 8 34 | 1 41 | 16 53 | 0 23 | F 15 |
| S 16 | 13 41 | 1s11 | 4 21 | 1 32 | 2 40 | 19 23 | 0 32 | 9 4 | 1 3 | 22 0 | 0 44 | 8 32 | 1 41 | 16 53 | 0 23 | S 16 |
| S 17 | 13 22 | 5 37 | 3 41 | 1 7 | 2 51 | 19 7 | 0 34 | 8 49 | 1 2 | 22 1 | 0 44 | 8 29 | 1 41 | 16 53 | 0 23 | S 17 |
| M 18 | 13 2 | 9 42 | 2 52 | 0 44 | 3 2 | 18 50 | 0 37 | 8 34 | 1 2 | 22 2 | 0 44 | 8 26 | 1 41 | 16 53 | 0 23 | M 18 |
| T 19 | 12 43 | 13 18 | 1 55 | 0 23 | 3 13 | 18 33 | 0 39 | 8 20 | 1 2 | 22 2 | 0 44 | 8 23 | 1 41 | 16 53 | 0 23 | T 19 |
| W 20 | 12 23 | 16 19 | 0 55 | 0 4 | 3 23 | 18 15 | 0 41 | 8 5 | 1 2 | 22 3 | 0 44 | 8 20 | 1 41 | 16 53 | 0 23 | W 20 |
| T 21 | 12 3 | 18 36 | 0n 8 | 0s13 | 3 33 | 17 57 | 0 43 | 7 50 | 1 1 | 22 4 | 0 44 | 8 18 | 1 41 | 16 53 | 0 23 | T 21 |
| F 22 | 11 43 | 20 5 | 1 10 | 0 28 | 3 43 | 17 39 | 0 46 | 7 35 | 1 1 | 22 5 | 0 44 | 8 15 | 1 41 | 16 53 | 0 23 | F 22 |
| S 23 | 11 23 | 20 41 | 2 9 | 0 40 | 3 52 | 17 19 | 0 48 | 7 20 | 1 1 | 22 5 | 0 44 | 8 12 | 1 41 | 16 53 | 0 23 | S 23 |
| S 24 | 11 3 | 20 20 | 3 4 | 0 50 | 4 1 | 17 0 | 0 50 | 7 5 | 1 0 | 22 6 | 0 44 | 8 9 | 1 41 | 16 53 | 0 24 | S 24 |
| M 25 | 10 42 | 19 2 | 3 51 | 0 56 | 4 9 | 16 40 | 0 52 | 6 50 | 1 0 | 22 7 | 0 44 | 8 6 | 1 41 | 16 53 | 0 24 | M 25 |
| T 26 | 10 22 | 16 48 | 4 28 | 1 0 | 4 16 | 16 19 | 0 54 | 6 35 | 1 0 | 22 8 | 0 44 | 8 3 | 1 41 | 16 53 | 0 24 | T 26 |
| W 27 | 10 1 | 13 41 | 4 52 | 1 1 | 4 22 | 15 58 | 0 55 | 6 20 | 0 59 | 22 8 | 0 45 | 8 0 | 1 41 | 16 53 | 0 24 | W 27 |
| T 28 | 9 40 | 9 49 | 5 1 | 0 58 | 4 28 | 15 37 | 0 57 | 6 5 | 0 59 | 22 9 | 0 45 | 7 58 | 1 41 | 16 53 | 0 24 | T 28 |
| F 29 | 9 18 | 5 23 | 4 54 | 0 52 | 4 32 | 15 15 | 0 59 | 5 50 | 0 59 | 22 9 | 0 45 | 7 55 | 1 41 | 16 53 | 0 24 | F 29 |
| S 30 | 8 57 | 0 34 | 4 30 | 0 43 | 4 34 | 14 53 | 1 1 | 5 35 | 0 58 | 22 10 | 0 45 | 7 52 | 1 41 | 16 53 | 0 24 | S 30 |
| S 31 | 8n36 | 4n21 | 3n49 | 0s30 | 4s35 | 14n30 | 1n 3 | 5n20 | 0n58 | 22n11 | 0s45 | 7n49 | 1n41 | 16n53 | 0s24 | S 31 |

Julian Day Number = 2551468.5, Delta T = 253.97 sec
Ecliptic obliquity = 23°24'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°33'51, Lahiri = 27°40'51

ASTRODIENST EPHEMERIS for the year 2273
geocentric

SEPTEMBER 2273

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|--------|-------|-------|-------|-------|--------|------|-------|--------|-------|-------|-------|------|
| M 1 | 22 41 26 | 8♍51'58 | 16♏19 | 19°R54 | 25♏12 | 19♍24 | 18♏46 | 14♍11 | 18°R18 | 6♏14 | 5°R22 | 21°R11 | 22♍6 | 28♍32 | 3°R23 | M 1 |
| T 2 | 22 45 22 | 9°49'54 | 0♏34 | 19♍9 | 26°26 | 20°2 | 18°53 | 14°18 | 18♏18 | 6°16 | 5°21 | 21♍7 | 22°3 | 28°39 | 3♏22 | T 2 |
| W 3 | 22 49 19 | 10°47'52 | 14°49 | 18°19 | 27°40 | 20°41 | 18°59 | 14°26 | 18°17 | 6°18 | 5°20 | 21°D 6 | 21°59 | 28°46 | 3°21 | W 3 |
| T 4 | 22 53 15 | 11°45'51 | 29°2 | 17°25 | 28°54 | 21°19 | 19°6 | 14°33 | 18°17 | 6°20 | 5°19 | 21°6 | 21°56 | 28°52 | 3°19 | T 4 |
| F 5 | 22 57 12 | 12°43'53 | 13♏10 | 16°30 | 0♍8 | 21°57 | 19°12 | 14°41 | 18°16 | 6°22 | 5°18 | 21°R 6 | 21°53 | 28°59 | 3°18 | F 5 |
| S 6 | 23 1 8 | 13°41'56 | 27°12 | 15°33 | 1°22 | 22°35 | 19°19 | 14°49 | 18°15 | 6°24 | 5°17 | 21°5 | 21°50 | 29°5 | 3°16 | S 6 |
| S 7 | 23 5 5 | 14°40'02 | 11♏9 | 14°36 | 2°36 | 23°14 | 19°25 | 14°56 | 18°15 | 6°26 | 5°16 | 21°3 | 21°47 | 29°12 | 3°14 | S 7 |
| M 8 | 23 9 2 | 15°38'09 | 24°58 | 13°40 | 3°50 | 23°52 | 19°31 | 15°4 | 18°14 | 6°28 | 5°15 | 20°57 | 21°44 | 29°19 | 3°13 | M 8 |
| T 9 | 23 12 52 | 16°36'18 | 8♏39 | 12°46 | 5°5 | 24°31 | 19°36 | 15°11 | 18°13 | 6°30 | 5°14 | 20°50 | 21°40 | 29°25 | 3°11 | T 9 |
| W10 | 23 16 55 | 17°34'29 | 22°9 | 11°56 | 6°19 | 25°9 | 19°42 | 15°19 | 18°12 | 6°33 | 5°13 | 20°40 | 21°37 | 29°32 | 3°9 | W10 |
| T 11 | 23 20 51 | 18°32'42 | 5♍26 | 11°10 | 7°33 | 25°47 | 19°47 | 15°26 | 18°12 | 6°35 | 5°12 | 20°30 | 21°34 | 29°39 | 3°7 | T 11 |
| F 12 | 23 24 48 | 19°30'57 | 18°29 | 10°30 | 8°47 | 26°26 | 19°53 | 15°34 | 18°11 | 6°37 | 5°11 | 20°19 | 21°31 | 29°45 | 3°6 | F 12 |
| S 13 | 23 28 44 | 20°29'13 | 1♏17 | 9°57 | 10°2 | 27°4 | 19°58 | 15°42 | 18°10 | 6°39 | 5°10 | 20°9 | 21°28 | 29°52 | 3°4 | S 13 |
| S 14 | 23 32 41 | 21°27'31 | 13°48 | 9°32 | 11°16 | 27°43 | 20°3 | 15°49 | 18°9 | 6°41 | 5°9 | 20°2 | 21°24 | 29°59 | 3°2 | S 14 |
| M15 | 23 36 37 | 22°25'51 | 26°4 | 9°15 | 12°31 | 28°21 | 20°7 | 15°57 | 18°8 | 6°43 | 5°8 | 19°57 | 21°21 | 0♏5 | 3°0 | M15 |
| T 16 | 23 40 34 | 23°24'12 | 8♍8 | 9°D 7 | 13°45 | 29°0 | 20°12 | 16°4 | 18°7 | 6°46 | 5°7 | 19°54 | 21°18 | 0°12 | 2°58 | T 16 |
| W17 | 23 44 31 | 24°22'35 | 20°2 | 9°7 | 14°59 | 29°39 | 20°16 | 16°12 | 18°5 | 6°48 | 5°6 | 19°D53 | 21°15 | 0°19 | 2°56 | W17 |
| T 18 | 23 48 27 | 25°21'00 | 1♏51 | 9°17 | 16°14 | 0♏17 | 20°21 | 16°19 | 18°4 | 6°50 | 5°6 | 19°54 | 21°12 | 0°25 | 2°53 | T 18 |
| F 19 | 23 52 24 | 26°19'26 | 13°38 | 9°37 | 17°28 | 0°56 | 20°25 | 16°27 | 18°3 | 6°52 | 5°5 | 19°55 | 21°9 | 0°32 | 2°51 | F 19 |
| S 20 | 23 56 20 | 27°17'54 | 25°31 | 10°5 | 18°43 | 1°34 | 20°28 | 16°34 | 18°2 | 6°54 | 5°4 | 19°R55 | 21°5 | 0°39 | 2°49 | S 20 |
| S 21 | 0 0 17 | 28°16'23 | 7♏32 | 10°43 | 19°57 | 2°13 | 20°32 | 16°42 | 18°0 | 6°56 | 5°3 | 19°55 | 21°2 | 0°45 | 2°47 | S 21 |
| M22 | 0 4 13 | 29°14'55 | 19°49 | 11°28 | 21°12 | 2°52 | 20°36 | 16°49 | 17°59 | 6°59 | 5°3 | 19°53 | 20°59 | 0°52 | 2°45 | M22 |
| T 23 | 0 8 10 | 0♏13'27 | 2♏25 | 12°22 | 22°26 | 3°30 | 20°39 | 16°57 | 17°58 | 7°1 | 5°2 | 19°48 | 20°56 | 0°58 | 2°42 | T 23 |
| W24 | 0 12 6 | 1°12'02 | 15°24 | 13°24 | 23°41 | 4°9 | 20°42 | 17°4 | 17°56 | 7°3 | 5°1 | 19°42 | 20°53 | 1°5 | 2°40 | W24 |
| T 25 | 0 16 3 | 2°10'38 | 28°47 | 14°32 | 24°56 | 4°48 | 20°45 | 17°12 | 17°55 | 7°5 | 5°1 | 19°35 | 20°50 | 1°12 | 2°38 | T 25 |
| F 26 | 0 20 0 | 3°9'15 | 12♏35 | 15°47 | 26°10 | 5°27 | 20°48 | 17°19 | 17°53 | 7°8 | 5°0 | 19°27 | 20°46 | 1°18 | 2°35 | F 26 |
| S 27 | 0 23 56 | 4°7'55 | 26°44 | 17°7 | 27°25 | 6°5 | 20°50 | 17°26 | 17°52 | 7°10 | 5°0 | 19°20 | 20°43 | 1°25 | 2°33 | S 27 |
| S 28 | 0 27 53 | 5°6'36 | 11♏10 | 18°33 | 28°40 | 6°44 | 20°53 | 17°34 | 17°50 | 7°12 | 4°59 | 19°14 | 20°40 | 1°32 | 2°30 | S 28 |
| M29 | 0 31 49 | 6°5'20 | 25°47 | 20°2 | 29°54 | 7°23 | 20°55 | 17°41 | 17°48 | 7°14 | 4°58 | 19°10 | 20°37 | 1°38 | 2°28 | M29 |
| T 30 | 0 35 46 | 7♏4'05 | 10♏28 | 21♍36 | 1♏9 | 8♏2 | 20♏57 | 17♍48 | 17♏47 | 7♏16 | 4°58 | 19♍8 | 20♍34 | 1♏45 | 2♏25 | 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 | 8n14 | 9n 5 | 2n54 | 0s13 | 4s35 | 14n 7 | 1n 4 | 5n 4 | 0n58 | 22n11 | 0s45 | 7n46 | 1n41 | 16n52 | 0s24 | 1s14 | 1n20 | 22s37 | 3s50 | 18s 2 | 18s16 | 19s14 | 12n25 | 0s13 | |
| T 2 | 7 52 | 13 19 | 1 47 | 0n 7 | 4 32 | 13 43 | 1 6 | 4 49 | 0 57 | 22 12 | 0 45 | 7 43 | 1 41 | 16 52 | 0 24 | 1 15 | 1 20 | 22 37 | 3 50 | 18 1 | 18 15 | 19 15 | 12 25 | 0 13 | |
| W 3 | 7 30 | 16 47 | 0 33 | 0 30 | 4 28 | 13 19 | 1 7 | 4 34 | 0 57 | 22 12 | 0 45 | 7 40 | 1 41 | 16 52 | 0 24 | 1 16 | 1 20 | 22 38 | 3 50 | 18 0 | 18 14 | 19 16 | 12 24 | 0 13 | |
| T 4 | 7 8 | 19 13 | 0s42 | 0 56 | 4 22 | 12 55 | 1 9 | 4 18 | 0 57 | 22 13 | 0 45 | 7 38 | 1 41 | 16 52 | 0 24 | 1 17 | 1 20 | 22 38 | 3 50 | 18 0 | 18 13 | 19 16 | 12 23 | 0 13 | |
| F 5 | 6 46 | 20 27 | 1 55 | 1 25 | 4 14 | 12 30 | 1 10 | 4 3 | 0 56 | 22 13 | 0 45 | 7 35 | 1 41 | 16 52 | 0 24 | 1 18 | 1 20 | 22 38 | 3 50 | 18 0 | 18 13 | 19 17 | 12 23 | 0 14 | |
| S 6 | 6 24 | 20 23 | 3 0 | 1 56 | 4 4 | 12 5 | 1 12 | 3 48 | 0 56 | 22 14 | 0 45 | 7 32 | 1 41 | 16 52 | 0 24 | 1 18 | 1 20 | 22 38 | 3 50 | 18 0 | 18 12 | 19 17 | 12 22 | 0 14 | |
| S 7 | 6 2 | 19 3 | 3 54 | 2 29 | 3 52 | 11 40 | 1 13 | 3 32 | 0 56 | 22 14 | 0 45 | 7 29 | 1 41 | 16 51 | 0 24 | 1 19 | 1 20 | 22 39 | 3 50 | 17 59 | 18 11 | 19 18 | 12 22 | 0 14 | |
| M 8 | 5 39 | 16 37 | 4 33 | 3 3 | 3 39 | 11 14 | 1 14 | 3 17 | 0 55 | 22 14 | 0 45 | 7 26 | 1 41 | 16 51 | 0 24 | 1 20 | 1 20 | 22 39 | 3 50 | 17 58 | 18 10 | 19 18 | 12 21 | 0 14 | |
| T 9 | 5 17 | 13 17 | 4 57 | 3 37 | 3 24 | 10 48 | 1 15 | 3 1 | 0 55 | 22 15 | 0 45 | 7 23 | 1 41 | 16 51 | 0 24 | 1 21 | 1 20 | 22 39 | 3 50 | 17 56 | 18 9 | 19 19 | 12 20 | 0 14 | |
| W10 | 4 54 | 9 19 | 5 4 | 4 11 | 3 7 | 10 22 | 1 16 | 2 46 | 0 55 | 22 15 | 0 45 | 7 20 | 1 41 | 16 51 | 0 24 | 1 22 | 1 20 | 22 39 | 3 50 | 17 54 | 18 8 | 19 20 | 12 20 | 0 14 | |
| T 11 | 4 31 | 4 57 | 4 54 | 4 45 | 2 50 | 9 55 | 1 18 | 2 30 | 0 54 | 22 16 | 0 45 | 7 17 | 1 41 | 16 50 | 0 24 | 1 23 | 1 20 | 22 40 | 3 50 | 17 51 | 18 8 | 19 20 | 12 19 | 0 14 | |
| F 12 | 4 9 | 0 26 | 4 28 | 5 17 | 2 31 | 9 28 | 1 19 | 2 14 | 0 54 | 22 16 | 0 45 | 7 15 | 1 42 | 16 50 | 0 24 | 1 23 | 1 20 | 22 40 | 3 50 | 17 48 | 18 7 | 19 21 | 12 18 | 0 14 | |
| S 13 | 3 46 | 4s 1 | 3 50 | 5 47 | 2 12 | 9 1 | 1 19 | 1 59 | 0 53 | 22 16 | 0 45 | 7 12 | 1 42 | 16 50 | 0 24 | 1 24 | 1 20 | 22 40 | 3 50 | 17 45 | 18 6 | 19 21 | 12 17 | 0 14 | |
| S 14 | 3 23 | 8 13 | 3 1 | 6 14 | 1 53 | 8 34 | 1 20 | 1 43 | 0 53 | 22 17 | 0 45 | 7 9 | 1 42 | 16 50 | 0 24 | 1 25 | 1 20 | 22 40 | 3 50 | 17 43 | 18 5 | 19 22 | 12 17 | 0 14 | |
| M15 | 3 0 | 11 59 | 2 4 | 6 39 | 1 33 | 8 6 | 1 21 | 1 28 | 0 53 | 22 17 | 0 45 | 7 6 | 1 42 | 16 49 | 0 24 | 1 26 | 1 20 | 22 41 | 3 50 | 17 42 | 18 4 | 19 22 | 12 16 | 0 15 | |
| T 16 | 2 37 | 15 11 | 1 3 | 7 0 | 1 14 | 7 39 | 1 22 | 1 12 | 0 52 | 22 17 | 0 45 | 7 3 | 1 42 | 16 49 | 0 24 | 1 27 | 1 20 | 22 41 | 3 50 | 17 41 | 18 3 | 19 23 | 12 15 | 0 15 | |
| W17 | 2 14 | 17 43 | 0n 1 | 7 17 | 0 55 | 7 10 | 1 23 | 0 56 | 0 52 | 22 18 | 0 45 | 7 0 | 1 42 | 16 49 | 0 24 | 1 28 | 1 20 | 22 41 | 3 50 | 17 41 | 18 3 | 19 23 | 12 14 | 0 15 | |
| T 18 | 1 51 | 19 27 | 1 4 | 7 31 | 0 36 | 6 42 | 1 23 | 0 41 | 0 52 | 22 18 | 0 45 | 6 57 | 1 42 | 16 48 | 0 24 | 1 29 | 1 20 | 22 41 | 3 50 | 17 41 | 18 2 | 19 24 | 12 13 | 0 15 | |
| F 19 | 1 28 | 20 21 | 2 4 | 7 40 | 0 19 | 6 14 | 1 24 | 0 25 | 0 51 | 22 18 | 0 45 | 6 54 | 1 42 | 16 48 | 0 24 | 1 30 | 1 20 | 22 41 | 3 50 | 17 41 | 18 1 | 19 24 | 12 13 | 0 15 | |
| S 20 | 1 4 | 20 20 | 3 0 | 7 45 | 0 2 | 5 45 | 1 24 | 0 9 | 0 51 | 22 18 | 0 45 | 6 52 | 1 42 | 16 48 | 0 24 | 1 30 | 1 20 | 22 42 | 3 50 | 17 42 | 18 0 | 19 25 | 12 12 | 0 15 | |
| S 21 | 0 41 | 19 23 | 3 48 | 7 45 | 0n14 | 5 16 | 1 25 | 0s 6 | 0 51 | 22 19 | 0 46 | 6 49 | 1 42 | 16 47 | 0 24 | 1 31 | 1 20 | 22 42 | 3 50 | 17 41 | 17 59 | 19 25 | 12 11 | 0 15 | |
| M22 | 0 18 | 17 32 | 4 27 | 7 42 | 0 29 | 4 47 | 1 25 | 0 22 | 0 50 | 22 19 | 0 46 | 6 46 | 1 42 | 16 47 | 0 24 | 1 32 | 1 20 | 22 42 | 3 50 | 17 41 | 17 58 | 19 26 | 12 10 | 0 15 | |
| T 23 | 0s 5 | 14 48 | 4 54 | 7 34 | 0 42 | 4 18 | 1 25 | 0 38 | 0 50 | 22 19 | 0 46 | 6 43 | 1 42 | 16 47 | 0 24 | 1 33 | 1 20 | 22 42 | 3 50 | 17 40 | 17 58 | 19 26 | 12 9 | 0 15 | |
| W24 | 0 29 | 11 18 | 5 7 | 7 21 | 0 55 | 3 49 | 1 26 | 0 54 | 0 49 | 22 19 | 0 46 | 6 40 | 1 43 | 16 46 | 0 24 | 1 34 | 1 20 | 22 42 | 3 50 | 17 38 | 17 57 | 19 27 | 12 8 | 0 15 | |
| T 25 | 0 52 | 7 7 | 5 4 | 7 5 | 1 6 | 3 19 | 1 26 | 1 9 | 0 49 | 22 19 | 0 46 | 6 38 | 1 43 | 16 46 | 0 24 | 1 35 | 1 20 | 22 42 | 3 50 | 17 36 | 17 56 | 19 27 | 12 7 | 0 15 | |
| F 26 | 1 15 | 2 27 | 4 44 | 6 46 | 1 16 | 2 50 | 1 26 | 1 25 | 0 49 | 22 19 | 0 46 | 6 35 | 1 43 | 16 45 | 0 24 | 1 36 | 1 20 | 22 42 | 3 50 | 17 34 | 17 55 | 19 28 | 12 7 | 0 16 | |
| S 27 | 1 38 | 2n28 | 4 6 | 6 22 | 1 24 | 2 20 | 1 26 | 1 41 | 0 48 | 22 20 | 0 46 | 6 32 | 1 43 | 16 45 | 0 24 | 1 36 | 1 20 | 22 43 | 3 50 | 17 32 | 17 54 | 19 28 | 12 6 | 0 16 | |
| S 28 | 2 2 | 7 21 | 3 11 | 5 56 | 1 32 | 1 51 | 1 26 | 1 56 | 0 48 | 22 20 | 0 46 | 6 29 | 1 43 | 16 44 | 0 24 | 1 37 | 1 20 | 22 43 | 3 50 | 17 30 | 17 53 | 19 29 | 12 5 | 0 16 | |
| M29 | 2 25 | 11 52 | 2 3 | 5 26 | 1 38 | 1 21 | 1 26 | 2 12 | 0 47 | 22 20 | 0 46 | 6 26 | 1 43 | 16 44 | 0 24 | 1 38 | 1 20 | 22 43 | 3 50 | 17 29 | 17 53 | 19 29 | 12 4 | 0 16 | |
| T 30 | 2s48 | 15n41 | 0n47 | 4n54 | 1n43 | 0n51 | 1n26 | 2s28 | 0n47 | 22n20 | 0s46 | 6n24 | 1n43 | 16n43 | 0s24 | 1s39 | 1n20 | 22s43 | 3s50 | 17s29 | 17s52 | 19s30 | 12n 3 | 0s16 | |

ASTRODIENST EPHEMERIS for the year 2273
geocentric

OCTOBER 2273

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|--------|--------|-------|--------|--------|--------|--------|-------|-------|--------|--------|-------|-------|------|
| W 1 | 0 39 42 | 8♌ 2°53 | 25♋ 6 | 23♏ 13 | 2♌ 24 | 8♌ 41 | 20♏ 59 | 17♏ 56 | 17°R45 | 7♌ 19 | 4°R57 | 19°D 8 | 20♏ 30 | 1♌ 52 | 2°R23 | W 1 |
| T 2 | 0 43 39 | 9° 1'43 | 9♏ 37 | 24°53 | 3°39 | 9°20 | 21° 0 | 18° 3 | 17♌ 43 | 7°21 | 4°R57 | 19♏ 9 | 20°27 | 1°58 | 2♌ 20 | T 2 |
| F 3 | 0 47 35 | 10° 0'36 | 23°56 | 26°34 | 4°53 | 9°59 | 21° 2 | 18°10 | 17°42 | 7°23 | 4°57 | 19°10 | 20°24 | 2° 5 | 2°17 | F 3 |
| S 4 | 0 51 32 | 10°59'30 | 8♌ 2 | 28°18 | 6° 8 | 10°38 | 21° 3 | 18°17 | 17°40 | 7°25 | 4°56 | 19°R11 | 20°21 | 2°12 | 2°15 | S 4 |
| S 5 | 0 55 28 | 11°58'27 | 21°53 | 0♌ 3 | 7°23 | 11°17 | 21° 4 | 18°25 | 17°38 | 7°28 | 4°56 | 19°11 | 20°18 | 2°18 | 2°12 | S 5 |
| M 6 | 0 59 25 | 12°57'26 | 5♏ 29 | 1°49 | 8°38 | 11°56 | 21° 5 | 18°32 | 17°36 | 7°30 | 4°55 | 19° 9 | 20°15 | 2°25 | 2° 9 | M 6 |
| T 7 | 1 3 22 | 13°56'28 | 18°51 | 3°35 | 9°53 | 12°35 | 21° 5 | 18°39 | 17°34 | 7°32 | 4°55 | 19° 5 | 20°11 | 2°31 | 2° 7 | T 7 |
| W 8 | 1 7 18 | 14°55'31 | 1♏ 59 | 5°22 | 11° 8 | 13°14 | 21° 6 | 18°46 | 17°32 | 7°34 | 4°55 | 19° 0 | 20° 8 | 2°38 | 2° 4 | W 8 |
| T 9 | 1 11 15 | 15°54'37 | 14°54 | 7°10 | 12°22 | 13°53 | 21°R 6 | 18°53 | 17°30 | 7°36 | 4°55 | 18°54 | 20° 5 | 2°45 | 2° 1 | T 9 |
| F 10 | 1 15 11 | 16°53'45 | 27°35 | 8°57 | 13°37 | 14°32 | 21° 6 | 19° 0 | 17°28 | 7°39 | 4°54 | 18°49 | 20° 2 | 2°51 | 1°59 | F 10 |
| S 11 | 1 19 8 | 17°52'55 | 10♌ 4 | 10°44 | 14°52 | 15°12 | 21° 6 | 19° 7 | 17°26 | 7°41 | 4°54 | 18°44 | 19°59 | 2°58 | 1°56 | S 11 |
| S 12 | 1 23 4 | 18°52'08 | 22°21 | 12°31 | 16° 7 | 15°51 | 21° 5 | 19°14 | 17°24 | 7°43 | 4°54 | 18°40 | 19°56 | 3° 5 | 1°53 | S 12 |
| M13 | 1 27 1 | 19°51'22 | 4♏ 27 | 14°18 | 17°22 | 16°30 | 21° 5 | 19°21 | 17°22 | 7°45 | 4°54 | 18°38 | 19°52 | 3°11 | 1°50 | M13 |
| T 14 | 1 30 57 | 20°50'38 | 16°25 | 16° 4 | 18°37 | 17° 9 | 21° 4 | 19°28 | 17°20 | 7°47 | 4°54 | 18°D37 | 19°49 | 3°18 | 1°47 | T 14 |
| W15 | 1 34 54 | 21°49'56 | 28°15 | 17°49 | 19°52 | 17°49 | 21° 3 | 19°34 | 17°18 | 7°50 | 4°54 | 18°37 | 19°46 | 3°25 | 1°44 | W15 |
| T 16 | 1 38 51 | 22°49'16 | 10♌ 2 | 19°34 | 21° 7 | 18°28 | 21° 1 | 19°41 | 17°15 | 7°52 | 4°54 | 18°38 | 19°43 | 3°31 | 1°42 | T 16 |
| F 17 | 1 42 47 | 23°48'38 | 21°49 | 21°19 | 22°22 | 19° 7 | 21° 0 | 19°48 | 17°13 | 7°54 | 4°54 | 18°40 | 19°40 | 3°38 | 1°39 | F 17 |
| S 18 | 1 46 44 | 24°48'02 | 3♌ 41 | 23° 2 | 23°37 | 19°47 | 20°58 | 19°55 | 17°11 | 7°56 | 4°D54 | 18°42 | 19°36 | 3°45 | 1°36 | S 18 |
| S 19 | 1 50 40 | 25°47'28 | 15°41 | 24°46 | 24°52 | 20°26 | 20°57 | 20° 1 | 17° 9 | 7°58 | 4°54 | 18°43 | 19°33 | 3°51 | 1°33 | S 19 |
| M20 | 1 54 37 | 26°46'55 | 27°55 | 26°28 | 26° 7 | 21° 6 | 20°55 | 20° 8 | 17° 7 | 8° 0 | 4°54 | 18°R43 | 19°30 | 3°58 | 1°30 | M20 |
| T 21 | 1 58 33 | 27°46'24 | 10♌ 28 | 28°10 | 27°22 | 21°45 | 20°52 | 20°15 | 17° 4 | 8° 3 | 4°54 | 18°43 | 19°27 | 4° 5 | 1°27 | T 21 |
| W22 | 2 2 30 | 28°45'55 | 23°23 | 29°51 | 28°37 | 22°25 | 20°50 | 20°21 | 17° 2 | 8° 5 | 4°54 | 18°41 | 19°24 | 4°11 | 1°24 | W22 |
| T 23 | 2 6 26 | 29°45'27 | 6♌ 44 | 1♏ 32 | 29°53 | 23° 4 | 20°47 | 20°27 | 17° 0 | 8° 7 | 4°54 | 18°39 | 19°21 | 4°18 | 1°21 | T 23 |
| F 24 | 2 10 23 | 0♏ 45'01 | 20°32 | 3°11 | 1♏ 8 | 23°44 | 20°45 | 20°34 | 16°57 | 8° 9 | 4°54 | 18°37 | 19°17 | 4°25 | 1°18 | F 24 |
| S 25 | 2 14 20 | 1°44'37 | 4°P47 | 4°51 | 2°23 | 24°23 | 20°42 | 20°40 | 16°55 | 8°11 | 4°54 | 18°34 | 19°14 | 4°31 | 1°16 | S 25 |
| S 26 | 2 18 16 | 2°44'15 | 19°24 | 6°29 | 3°38 | 25° 3 | 20°38 | 20°47 | 16°53 | 8°13 | 4°54 | 18°32 | 19°11 | 4°38 | 1°13 | S 26 |
| M27 | 2 22 13 | 3°43'54 | 4♌ 18 | 8° 7 | 4°53 | 25°43 | 20°35 | 20°53 | 16°50 | 8°15 | 4°55 | 18°31 | 19° 8 | 4°44 | 1°10 | M27 |
| T 28 | 2 26 9 | 4°43'36 | 19°20 | 9°45 | 6° 8 | 26°22 | 20°31 | 20°59 | 16°48 | 8°17 | 4°55 | 18°D31 | 19° 5 | 4°51 | 1° 7 | T 28 |
| W29 | 2 30 6 | 5°43'20 | 4♏ 22 | 11°21 | 7°23 | 27° 2 | 20°28 | 21° 5 | 16°45 | 8°19 | 4°55 | 18°31 | 19° 1 | 4°58 | 1° 4 | W29 |
| T 30 | 2 34 2 | 6°43'06 | 19°16 | 12°58 | 8°38 | 27°42 | 20°24 | 21°11 | 16°43 | 8°21 | 4°56 | 18°32 | 18°58 | 5° 4 | 1° 1 | T 30 |
| F 31 | 2 37 59 | 7♏ 42'54 | 3♌ 55 | 14♏ 33 | 9♏ 53 | 28♌ 21 | 20♏ 20 | 21♏ 17 | 16♌ 41 | 8♌ 23 | 4°R56 | 18♏ 33 | 18♏ 55 | 5♌ 11 | 0♌ 58 | F 31 |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | lat |
| W 1 | 3s11 | 18n29 | 0s32 | 4n20 | 1n47 | 0n21 | 1n25 | 2s43 | 0n47 | 22n20 | 0s46 | 6n21 | 1n43 | 16n43 | 0s24 | 1s40 |
| T 2 | 3 34 | 20 3 | 1 49 | 3 43 | 1 50 | 0s 9 | 1 25 | 2 59 | 0 46 | 22 20 | 0 46 | 6 18 | 1 43 | 16 42 | 0 24 | 1 41 |
| F 3 | 3 58 | 20 18 | 2 58 | 3 5 | 1 52 | 0 39 | 1 25 | 3 15 | 0 46 | 22 20 | 0 46 | 6 16 | 1 43 | 16 42 | 0 24 | 1 42 |
| S 4 | 4 21 | 19 15 | 3 55 | 2 24 | 1 53 | 1 9 | 1 24 | 3 30 | 0 45 | 22 20 | 0 46 | 6 13 | 1 44 | 16 41 | 0 24 | 1 43 |
| S 5 | 4 44 | 17 4 | 4 37 | 1 43 | 1 54 | 1 39 | 1 24 | 3 46 | 0 45 | 22 20 | 0 46 | 6 10 | 1 44 | 16 41 | 0 24 | 1 43 |
| M 6 | 5 7 | 13 58 | 5 3 | 1 1 | 1 53 | 2 8 | 1 23 | 4 2 | 0 45 | 22 20 | 0 46 | 6 7 | 1 44 | 16 40 | 0 24 | 1 44 |
| T 7 | 5 29 | 10 12 | 5 12 | 0 17 | 1 52 | 2 38 | 1 23 | 4 17 | 0 44 | 22 20 | 0 46 | 6 5 | 1 44 | 16 40 | 0 24 | 1 45 |
| W 8 | 5 52 | 6 1 | 5 4 | 0s27 | 1 50 | 3 8 | 1 22 | 4 33 | 0 44 | 22 20 | 0 46 | 6 2 | 1 44 | 16 39 | 0 24 | 1 46 |
| T 9 | 6 15 | 1 37 | 4 41 | 1 11 | 1 48 | 3 38 | 1 21 | 4 48 | 0 43 | 22 20 | 0 46 | 5 59 | 1 44 | 16 39 | 0 24 | 1 47 |
| F 10 | 6 38 | 2s46 | 4 4 | 1 56 | 1 45 | 4 8 | 1 20 | 5 4 | 0 43 | 22 20 | 0 46 | 5 57 | 1 44 | 16 38 | 0 24 | 1 48 |
| S 11 | 7 0 | 6 59 | 3 16 | 2 42 | 1 41 | 4 38 | 1 20 | 5 19 | 0 43 | 22 20 | 0 46 | 5 54 | 1 44 | 16 38 | 0 24 | 1 49 |
| S 12 | 7 23 | 10 50 | 2 19 | 3 27 | 1 37 | 5 7 | 1 19 | 5 35 | 0 42 | 22 20 | 0 46 | 5 52 | 1 45 | 16 37 | 0 24 | 1 49 |
| M13 | 7 45 | 14 12 | 1 17 | 4 12 | 1 33 | 5 37 | 1 18 | 5 50 | 0 42 | 22 20 | 0 46 | 5 49 | 1 45 | 16 36 | 0 24 | 1 50 |
| T 14 | 8 7 | 16 55 | 0 12 | 4 57 | 1 28 | 6 6 | 1 17 | 6 6 | 0 41 | 22 20 | 0 46 | 5 46 | 1 45 | 16 36 | 0 24 | 1 51 |
| W15 | 8 30 | 18 53 | 0n53 | 5 42 | 1 23 | 6 36 | 1 16 | 6 21 | 0 41 | 22 20 | 0 46 | 5 44 | 1 45 | 16 35 | 0 24 | 1 52 |
| T 16 | 8 52 | 14 10 | 1 55 | 6 27 | 1 18 | 7 5 | 1 14 | 6 36 | 0 40 | 22 20 | 0 46 | 5 41 | 1 45 | 16 35 | 0 24 | 1 53 |
| F 17 | 9 14 | 20 16 | 2 53 | 7 11 | 1 12 | 7 34 | 1 13 | 6 52 | 0 40 | 22 20 | 0 46 | 5 39 | 1 45 | 16 34 | 0 24 | 1 54 |
| S 18 | 9 35 | 19 37 | 3 44 | 7 55 | 1 7 | 8 3 | 1 12 | 7 7 | 0 40 | 22 19 | 0 46 | 5 36 | 1 46 | 16 33 | 0 24 | 1 55 |
| S 19 | 9 57 | 18 5 | 4 25 | 8 38 | 1 1 | 8 31 | 1 11 | 7 22 | 0 39 | 22 19 | 0 46 | 5 34 | 1 46 | 16 33 | 0 24 | 1 55 |
| M20 | 10 19 | 15 43 | 4 56 | 9 21 | 0 54 | 9 0 | 1 9 | 7 37 | 0 39 | 22 19 | 0 46 | 5 32 | 1 46 | 16 32 | 0 24 | 1 56 |
| T 21 | 10 40 | 12 34 | 5 13 | 10 3 | 0 48 | 9 28 | 1 8 | 7 52 | 0 38 | 22 19 | 0 46 | 5 29 | 1 46 | 16 31 | 0 24 | 1 57 |
| W22 | 11 1 | 8 44 | 5 15 | 10 45 | 0 42 | 9 56 | 1 6 | 8 7 | 0 38 | 22 19 | 0 46 | 5 27 | 1 46 | 16 31 | 0 24 | 1 58 |
| T 23 | 11 22 | 4 22 | 5 1 | 11 26 | 0 35 | 10 24 | 1 5 | 8 23 | 0 37 | 22 19 | 0 47 | 5 24 | 1 46 | 16 30 | 0 24 | 1 59 |
| F 24 | 11 43 | 0n22 | 4 29 | 12 7 | 0 29 | 10 52 | 1 3 | 8 38 | 0 37 | 22 18 | 0 47 | 5 22 | 1 46 | 16 30 | 0 24 | 1 59 |
| S 25 | 12 4 | 5 15 | 3 39 | 12 46 | 0 22 | 11 19 | 1 2 | 8 52 | 0 36 | 22 18 | 0 47 | 5 20 | 1 47 | 16 29 | 0 24 | 2 0 |
| S 26 | 12 24 | 9 58 | 2 35 | 13 25 | 0 15 | 11 46 | 1 0 | 9 7 | 0 36 | 22 18 | 0 47 | 5 17 | 1 47 | 16 28 | 0 24 | 2 1 |
| M27 | 12 45 | 14 9 | 1 18 | 14 4 | 0 8 | 12 13 | 0 58 | 9 22 | 0 36 | 22 18 | 0 47 | 5 15 | 1 47 | 16 28 | 0 24 | 2 2 |
| T 28 | 13 5 | 17 28 | 0s 5 | 14 41 | 0 2 | 12 39 | 0 56 | 9 37 | 0 35 | 22 17 | 0 47 | 5 13 | 1 47 | 16 27 | 0 24 | 2 3 |
| W29 | 13 25 | 19 34 | 1 27 | 15 18 | 0s 5 | 13 6 | 0 55 | 9 52 | 0 35 | 22 17 | 0 47 | 5 10 | 1 47 | 16 26 | 0 24 | 2 3 |
| T 30 | 13 44 | 20 16 | 2 43 | 15 54 | 0 12 | 13 32 | 0 53 | 10 6 | 0 34 | 22 17 | 0 47 | 5 8 | 1 48 | 16 25 | 0 24 | 2 4 |
| F 31 | 14s 4 | 19n34 | 3s46 | 16s29 | 0s19 | 13s57 | 0n51 | 10s21 | 0n34 | 22n17 | 0s47 | 5n 6 | 1n48 | 16n25 | 0s24 | 2s 5 |

Julian Day Number = 2551529.5, Delta T = 254.23 sec
Ecliptic obliquity = 23°24'08, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°33'59, Lahiri = 27°41'00

ASTRODIENST EPHEMERIS for the year 2273
geocentric

NOVEMBER 2273

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | ♈ | ♉ | Day |
|------|---------|----------|-------|-------|-------|-------|--------|-------|--------|------|------|--------|-------|------|-------|------|
| S 1 | 2 41 55 | 8♌42°45 | 18♊14 | 16♍9 | 11♌8 | 29♎1 | 20°R15 | 21♏23 | 16°R38 | 8♎25 | 4♏56 | 18♌34 | 18♌52 | 5♊18 | 0°R55 | S 1 |
| S 2 | 2 45 52 | 9°42'37 | 2♊11 | 17°43 | 12°24 | 29°41 | 20II11 | 21°29 | 16♎36 | 8°27 | 4°57 | 18°34 | 18°49 | 5°24 | 0♎52 | S 2 |
| M 3 | 2 49 49 | 10°42'32 | 15°47 | 19°17 | 13°39 | 0♌21 | 20° 6 | 21°35 | 16°33 | 8°29 | 4°57 | 18°R34 | 18°46 | 5°31 | 0°50 | M 3 |
| T 4 | 2 53 45 | 11°42'29 | 29° 0 | 20°51 | 14°54 | 1° 1 | 20° 1 | 21°41 | 16°31 | 8°31 | 4°58 | 18°34 | 18°42 | 5°38 | 0°47 | T 4 |
| W 5 | 2 57 42 | 12°42'28 | 11♏55 | 22°24 | 16° 9 | 1°41 | 19°56 | 21°46 | 16°28 | 8°33 | 4°58 | 18°33 | 18°39 | 5°44 | 0°44 | W 5 |
| T 6 | 3 1 38 | 13°42'29 | 24°34 | 23°57 | 17°24 | 2°21 | 19°51 | 21°52 | 16°26 | 8°35 | 4°59 | 18°33 | 18°36 | 5°51 | 0°41 | T 6 |
| F 7 | 3 5 35 | 14°42'33 | 6♎58 | 25°30 | 18°40 | 3° 1 | 19°46 | 21°58 | 16°23 | 8°37 | 4°59 | 18°32 | 18°33 | 5°58 | 0°38 | F 7 |
| S 8 | 3 9 31 | 15°42'38 | 19°10 | 27° 2 | 19°55 | 3°41 | 19°40 | 22° 3 | 16°21 | 8°39 | 5° 0 | 18°32 | 18°30 | 6° 4 | 0°35 | S 8 |
| S 9 | 3 13 28 | 16°42'45 | 1♌14 | 28°33 | 21°10 | 4°21 | 19°34 | 22° 9 | 16°18 | 8°41 | 5° 1 | 18°31 | 18°27 | 6°11 | 0°33 | S 9 |
| M10 | 3 17 24 | 17°42'54 | 13°10 | 0♊4 | 22°25 | 5° 1 | 19°29 | 22°14 | 16°16 | 8°42 | 5° 1 | 18°31 | 18°23 | 6°18 | 0°30 | M10 |
| T 11 | 3 21 21 | 18°43'05 | 25° 1 | 1°35 | 23°40 | 5°41 | 19°23 | 22°19 | 16°13 | 8°44 | 5° 2 | 18°31 | 18°20 | 6°24 | 0°27 | T 11 |
| W12 | 3 25 17 | 19°43'18 | 6♊49 | 3° 5 | 24°56 | 6°21 | 19°16 | 22°24 | 16°11 | 8°46 | 5° 3 | 18°31 | 18°17 | 6°31 | 0°24 | W12 |
| T 13 | 3 29 14 | 20°43'33 | 18°36 | 4°35 | 26°11 | 7° 2 | 19°10 | 22°30 | 16° 8 | 8°48 | 5° 3 | 18°31 | 18°14 | 6°38 | 0°22 | T 13 |
| F 14 | 3 33 11 | 21°43'49 | 0♎58 | 6° 5 | 27°26 | 7°42 | 19° 4 | 22°35 | 16° 6 | 8°50 | 5° 4 | 18°31 | 18°11 | 6°44 | 0°19 | F 14 |
| S 15 | 3 37 7 | 22°44'07 | 12°19 | 7°34 | 28°41 | 8°22 | 18°57 | 22°40 | 16° 4 | 8°51 | 5° 5 | 18°30 | 18° 7 | 6°51 | 0°16 | S 15 |
| S 16 | 3 41 4 | 23°44'26 | 24°20 | 9° 3 | 29°57 | 9° 2 | 18°51 | 22°45 | 16° 1 | 8°53 | 5° 6 | 18°30 | 18° 4 | 6°57 | 0°14 | S 16 |
| M17 | 3 45 0 | 24°44'46 | 6♎34 | 10°31 | 1♊12 | 9°43 | 18°44 | 22°49 | 15°59 | 8°55 | 5° 7 | 18°29 | 18° 1 | 7° 4 | 0°11 | M17 |
| T 18 | 3 48 57 | 25°45'08 | 19° 3 | 11°58 | 2°27 | 10°23 | 18°37 | 22°54 | 15°56 | 8°56 | 5° 7 | 18°29 | 17°58 | 7°11 | 0° 9 | T 18 |
| W19 | 3 52 53 | 26°45'32 | 1♎52 | 13°26 | 3°42 | 11° 4 | 18°30 | 22°59 | 15°54 | 8°58 | 5° 8 | 18°D29 | 17°55 | 7°17 | 0° 6 | W19 |
| T 20 | 3 56 50 | 27°45'56 | 15° 4 | 14°52 | 4°58 | 11°44 | 18°23 | 23° 3 | 15°51 | 9° 0 | 5° 9 | 18°29 | 17°52 | 7°24 | 0° 4 | T 20 |
| F 21 | 4 0 47 | 28°46'22 | 28°42 | 16°18 | 6°13 | 12°24 | 18°15 | 23° 8 | 15°49 | 9° 1 | 5°10 | 18°30 | 17°48 | 7°31 | 0° 1 | F 21 |
| S 22 | 4 4 43 | 29°46'50 | 12♎48 | 17°43 | 7°28 | 13° 5 | 18° 8 | 23°12 | 15°47 | 9° 3 | 5°11 | 18°31 | 17°45 | 7°37 | 29♎59 | S 22 |
| S 23 | 4 8 40 | 0♊47°18 | 27°19 | 19° 8 | 8°43 | 13°45 | 18° 1 | 23°17 | 15°44 | 9° 4 | 5°12 | 18°32 | 17°42 | 7°44 | 29°56 | S 23 |
| M24 | 4 12 36 | 1°47'48 | 12♎13 | 20°32 | 9°58 | 14°26 | 17°53 | 23°21 | 15°42 | 9° 6 | 5°13 | 18°R32 | 17°39 | 7°51 | 29°54 | M24 |
| T 25 | 4 16 33 | 2°48'20 | 27°22 | 21°55 | 11°14 | 15° 7 | 17°45 | 23°25 | 15°40 | 9° 7 | 5°14 | 18°32 | 17°36 | 7°57 | 29°52 | T 25 |
| W26 | 4 20 29 | 3°48'53 | 12♎37 | 23°17 | 12°29 | 15°47 | 17°38 | 23°29 | 15°37 | 9° 9 | 5°15 | 18°31 | 17°33 | 8° 4 | 29°49 | W26 |
| T 27 | 4 24 26 | 4°49'27 | 27°49 | 24°37 | 13°44 | 16°28 | 17°30 | 23°33 | 15°35 | 9°10 | 5°16 | 18°30 | 17°29 | 8°11 | 29°47 | T 27 |
| F 28 | 4 28 22 | 5°50'04 | 12♎47 | 25°57 | 14°59 | 17° 9 | 17°22 | 23°37 | 15°33 | 9°12 | 5°18 | 18°28 | 17°26 | 8°17 | 29°45 | F 28 |
| S 29 | 4 32 19 | 6°50'41 | 27°25 | 27°15 | 16°15 | 17°49 | 17°14 | 23°41 | 15°30 | 9°13 | 5°19 | 18°25 | 17°23 | 8°24 | 29°43 | S 29 |
| S 30 | 4 36 16 | 7♊51°20 | 11♎36 | 28♊31 | 17♊30 | 18♌30 | 17II 6 | 23♏45 | 15♎28 | 9♎14 | 5♎20 | 18♌23 | 17♌20 | 8♊31 | 29♎41 | 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 |
| S 1 | 14s23 | 17n38 | 4s34 | 17s 3 | 0s26 | 14s22 | 0n49 | 10s36 | 0n33 | 22n16 | 0s47 | 5n 4 | 1n48 | 16n24 | 0s24 | 2s 6 | 1n21 | 22s43 | 3s49 | 17s19 | 17s24 | 19s43 | 11n29 | 0s19 | |
| S 2 | 14 42 | 14 41 | 5 5 | 17 36 | 0 32 | 14 47 | 0 47 | 10 50 | 0 33 | 22 16 | 0 47 | 5 2 | 1 48 | 16 23 | 0 24 | 2 6 | 1 21 | 22 42 | 3 49 | 17 19 | 17 24 | 19 43 | 11 28 | 0 19 | |
| M 3 | 15 1 | 11 2 | 5 17 | 18 9 | 0 39 | 15 12 | 0 45 | 11 4 | 0 32 | 22 16 | 0 46 | 5 0 | 1 48 | 16 23 | 0 24 | 2 7 | 1 21 | 22 42 | 3 49 | 17 20 | 17 23 | 19 44 | 11 27 | 0 19 | |
| T 4 | 15 19 | 6 55 | 5 13 | 18 40 | 0 45 | 15 36 | 0 43 | 11 19 | 0 32 | 22 15 | 0 46 | 4 57 | 1 49 | 16 22 | 0 24 | 2 8 | 1 21 | 22 42 | 3 49 | 17 19 | 17 22 | 19 44 | 11 26 | 0 19 | |
| W 5 | 15 38 | 2 35 | 4 52 | 19 11 | 0 52 | 16 0 | 0 41 | 11 33 | 0 31 | 22 15 | 0 46 | 4 55 | 1 49 | 16 21 | 0 24 | 2 9 | 1 21 | 22 42 | 3 49 | 17 19 | 17 21 | 19 44 | 11 25 | 0 19 | |
| T 6 | 15 56 | 1s47 | 4 17 | 19 40 | 0 58 | 16 23 | 0 39 | 11 47 | 0 31 | 22 15 | 0 46 | 4 53 | 1 49 | 16 21 | 0 24 | 2 9 | 1 21 | 22 42 | 3 49 | 17 19 | 17 20 | 19 45 | 11 24 | 0 19 | |
| F 7 | 16 14 | 6 0 | 3 31 | 20 9 | 1 5 | 16 46 | 0 37 | 12 1 | 0 30 | 22 14 | 0 46 | 4 51 | 1 49 | 16 20 | 0 24 | 2 10 | 1 21 | 22 42 | 3 49 | 17 19 | 17 19 | 19 45 | 11 23 | 0 19 | |
| S 8 | 16 31 | 9 54 | 2 36 | 20 37 | 1 11 | 17 8 | 0 34 | 12 15 | 0 30 | 22 14 | 0 46 | 4 49 | 1 49 | 16 19 | 0 24 | 2 11 | 1 21 | 22 41 | 3 49 | 17 19 | 17 18 | 19 45 | 11 22 | 0 19 | |
| S 9 | 16 48 | 13 22 | 1 35 | 21 3 | 1 17 | 17 30 | 0 32 | 12 29 | 0 29 | 22 13 | 0 46 | 4 47 | 1 50 | 16 19 | 0 24 | 2 11 | 1 21 | 22 41 | 3 49 | 17 19 | 17 17 | 19 45 | 11 21 | 0 19 | |
| M10 | 17 5 | 16 14 | 0 30 | 21 29 | 1 23 | 17 52 | 0 30 | 12 43 | 0 29 | 22 13 | 0 46 | 4 45 | 1 50 | 16 18 | 0 24 | 2 12 | 1 21 | 22 41 | 3 49 | 17 19 | 17 17 | 19 46 | 11 19 | 0 19 | |
| T 11 | 17 22 | 18 24 | 0n36 | 21 54 | 1 29 | 18 13 | 0 28 | 12 57 | 0 28 | 22 13 | 0 46 | 4 44 | 1 50 | 16 17 | 0 24 | 2 13 | 1 21 | 22 41 | 3 49 | 17 19 | 17 16 | 19 46 | 11 18 | 0 20 | |
| W12 | 17 38 | 19 46 | 1 40 | 22 17 | 1 34 | 18 33 | 0 25 | 13 11 | 0 28 | 22 12 | 0 46 | 4 42 | 1 50 | 16 16 | 0 24 | 2 13 | 1 21 | 22 41 | 3 49 | 17 19 | 17 15 | 19 46 | 11 17 | 0 20 | |
| T 13 | 17 54 | 20 16 | 2 40 | 22 39 | 1 40 | 18 53 | 0 23 | 13 24 | 0 27 | 22 12 | 0 46 | 4 40 | 1 50 | 16 16 | 0 24 | 2 14 | 1 21 | 22 41 | 3 49 | 17 19 | 17 14 | 19 47 | 11 16 | 0 20 | |
| F 14 | 18 10 | 19 51 | 3 33 | 23 1 | 1 45 | 19 13 | 0 21 | 13 38 | 0 27 | 22 11 | 0 46 | 4 38 | 1 51 | 16 15 | 0 24 | 2 15 | 1 21 | 22 40 | 3 49 | 17 19 | 17 13 | 19 47 | 11 15 | 0 20 | |
| S 15 | 18 26 | 18 34 | 4 17 | 23 21 | 1 50 | 19 32 | 0 19 | 13 51 | 0 26 | 22 11 | 0 46 | 4 36 | 1 51 | 16 14 | 0 24 | 2 15 | 1 21 | 22 40 | 3 49 | 17 18 | 17 12 | 19 47 | 11 14 | 0 20 | |
| S 16 | 18 41 | 16 27 | 4 50 | 23 40 | 1 55 | 19 51 | 0 16 | 14 5 | 0 26 | 22 10 | 0 46 | 4 35 | 1 51 | 16 14 | 0 24 | 2 16 | 1 21 | 22 40 | 3 49 | 17 18 | 17 11 | 19 47 | 11 13 | 0 20 | |
| M17 | 18 56 | 13 35 | 5 11 | 23 58 | 2 0 | 20 9 | 0 14 | 14 18 | 0 25 | 22 10 | 0 46 | 4 33 | 1 51 | 16 13 | 0 24 | 2 17 | 1 22 | 22 40 | 3 49 | 17 18 | 17 10 | 19 48 | 11 12 | 0 20 | |
| T 18 | 19 10 | 10 3 | 5 18 | 24 14 | 2 4 | 20 26 | 0 11 | 14 31 | 0 25 | 22 9 | 0 46 | 4 31 | 1 51 | 16 12 | 0 24 | 2 17 | 1 22 | 22 39 | 3 49 | 17 18 | 17 9 | 19 48 | 11 11 | 0 20 | |
| W19 | 19 24 | 5 59 | 5 9 | 24 30 | 2 8 | 20 43 | 0 9 | 14 44 | 0 24 | 22 9 | 0 46 | 4 30 | 1 52 | 16 12 | 0 24 | 2 18 | 1 22 | 22 39 | 3 49 | 17 18 | 17 9 | 19 48 | 11 11 | 0 20 | |
| T 20 | 19 38 | 1 30 | 4 44 | 24 44 | 2 12 | 20 59 | 0 7 | 14 57 | 0 24 | 22 8 | 0 46 | 4 28 | 1 52 | 16 11 | 0 24 | 2 19 | 1 22 | 22 39 | 3 49 | 17 18 | 17 8 | 19 49 | 11 10 | 0 20 | |
| F 21 | 19 51 | 3n12 | 4 3 | 24 57 | 2 15 | 21 15 | 0 4 | 15 10 | 0 23 | 22 7 | 0 46 | 4 26 | 1 52 | 16 10 | 0 24 | 2 19 | 1 22 | 22 39 | 3 49 | 17 18 | 17 7 | 19 49 | 11 9 | 0 20 | |
| S 22 | 20 4 | 7 54 | 3 6 | 25 8 | 2 19 | 21 30 | 0 2 | 15 23 | 0 23 | 22 7 | 0 46 | 4 25 | 1 52 | 16 10 | 0 24 | 2 20 | 1 22 | 22 38 | 3 49 | 17 19 | 17 6 | 19 49 | 11 8 | 0 20 | |
| S 23 | 20 17 | 12 18 | 1 55 | 25 18 | 2 21 | 21 44 | 0s 1 | 15 35 | 0 22 | 22 6 | 0 46 | 4 23 | 1 53 | 16 9 | 0 24 | 2 20 | 1 22 | 22 38 | 3 49 | 17 19 | 17 5 | 19 49 | 11 7 | 0 20 | |
| M24 | 20 29 | 16 2 | 0 35 | 25 27 | 2 24 | 21 58 | 0 3 | 15 48 | 0 22 | 22 6 | 0 46 | 4 22 | 1 53 | 16 8 | 0 24 | 2 21 | 1 22 | 22 38 | 3 49 | 17 19 | 17 4 | 19 50 | 11 6 | 0 21 | |
| T 25 | 20 41 | 18 45 | 0s49 | 25 35 | 2 26 | 22 11 | 0 5 | 16 0 | 0 21 | 22 5 | 0 45 | 4 20 | 1 53 | 16 8 | 0 24 | 2 21 | 1 22 | 22 38 | 3 49 | 17 19 | 17 3 | 19 50 | 11 5 | 0 21 | |
| W26 | 20 53 | 20 8 | 2 10 | 25 41 | 2 28 | 22 23 | 0 8 | 16 13 | 0 21 | 22 4 | 0 45 | 4 19 | 1 53 | 16 7 | 0 24 | 2 22 | 1 22 | 22 37 | 3 49 | 17 19 | 17 2 | 19 50 | 11 4 | 0 21 | |
| T 27 | 21 4 | 20 2 | 3 21 | 25 46 | 2 29 | 22 35 | 0 10 | 16 25 | 0 20 | 22 4 | 0 45 | 4 18 | 1 54 | 16 6 | 0 24 | 2 22 | 1 22 | 22 37 | 3 49 | 17 18 | 17 1 | 19 50 | 11 3 | 0 21 | |
| F 28 | 21 15 | 18 31 | 4 17 | 25 50 | 2 30 | 22 46 | 0 13 | 16 37 | 0 19 | 22 3 | 0 45 | 4 16 | 1 54 | 16 6 | 0 24 | 2 23 | 1 22 | 22 37 | 3 49 | 17 18 | 17 1 | 19 50 | 11 2 | 0 21 | |
| S 29 | 21 25 | 15 49 | 4 55 | 25 52 | 2 30 | 22 57 | 0 15 | 16 49 | 0 19 | 22 3 | 0 45 | 4 15 | 1 54 | 16 5 | 0 24 | 2 23 | 1 22 | 22 36 | 3 49 | 17 17 | 17 0 | 19 51 | 11 2 | 0 21 | |
| S 30 | 21s35 | 12n15 | 5s14 | 25s53 | 2s29 | 23s 6 | 0s18 | 17s 1 | 0n18 | 22n 2 | 0s45 | 4n14 | 1n54 | 16n 4 | 0s24 | 2s24 | 1n22 | 22s36 | 3s49 | 17s16 | 16s59 | 19s51 | 11n 1 | 0s21 | |

ASTRODIENST EPHEMERIS for the year 2273
geocentric

DECEMBER 2273

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|----------|----------|----------|----------|---------|----------|--------|---------|---------|--------|----------|---------|--------|------|
| M 1 | 4 40 12 | 8°52'01 | 25°20'20 | 29°47'45 | 18°47'45 | 19°11'11 | 16°R58 | 23°17'48 | 15°R26 | 9°16'16 | 5°21'21 | 18°R22 | 17°11'17 | 8°47'37 | 29°R38 | M 1 |
| T 2 | 4 44 9 | 9°52'44 | 8°17'37 | 0°35'57 | 20° 0 | 19°52 | 16°II50 | 23°52 | 15°B24 | 9°17 | 5°22 | 18°D21 | 17°13 | 8°44 | 29°Y36 | T 2 |
| W 3 | 4 48 5 | 10°53'28 | 21°29 | 2° 7 | 21°16 | 20°33 | 16°42 | 23°55 | 15°22 | 9°18 | 5°24 | 18°M21 | 17°10 | 8°51 | 29°34 | W 3 |
| T 4 | 4 52 2 | 11°54'13 | 4° 0 | 3°13 | 22°31 | 21°14 | 16°34 | 23°59 | 15°19 | 9°20 | 5°25 | 18°23 | 17° 7 | 8°57 | 29°32 | T 4 |
| F 5 | 4 55 58 | 12°55'00 | 16°15 | 4°17 | 23°46 | 21°54 | 16°26 | 24° 2 | 15°17 | 9°21 | 5°26 | 18°24 | 17° 4 | 9° 4 | 29°30 | F 5 |
| S 6 | 4 59 55 | 13°55'49 | 28°17 | 5°16 | 25° 2 | 22°35 | 16°18 | 24° 5 | 15°15 | 9°22 | 5°27 | 18°26 | 17° 1 | 9°11 | 29°29 | S 6 |
| S 7 | 5 3 51 | 14°56'38 | 10°11 | 6°12 | 26°17 | 23°17 | 16° 9 | 24° 8 | 15°13 | 9°23 | 5°29 | 18°27 | 16°58 | 9°17 | 29°27 | S 7 |
| M 8 | 5 7 48 | 15°57'30 | 22° 1 | 7° 2 | 27°32 | 23°58 | 16° 1 | 24°11 | 15°11 | 9°24 | 5°30 | 18°R27 | 16°54 | 9°24 | 29°25 | M 8 |
| T 9 | 5 11 45 | 16°58'22 | 3°48 | 7°47 | 28°47 | 24°39 | 15°53 | 24°14 | 15° 9 | 9°25 | 5°31 | 18°26 | 16°51 | 9°31 | 29°23 | T 9 |
| W10 | 5 15 41 | 17°59'16 | 15°36 | 8°25 | 0°3 | 25°20 | 15°45 | 24°17 | 15° 7 | 9°27 | 5°33 | 18°24 | 16°48 | 9°37 | 29°21 | W10 |
| T 11 | 5 19 38 | 19° 0'10 | 27°26 | 8°56 | 1°18 | 26° 1 | 15°37 | 24°20 | 15° 5 | 9°28 | 5°34 | 18°19 | 16°45 | 9°44 | 29°20 | T 11 |
| F 12 | 5 23 34 | 20° 1'06 | 9°321 | 9°19 | 2°33 | 26°42 | 15°29 | 24°22 | 15° 3 | 9°29 | 5°36 | 18°14 | 16°42 | 9°51 | 29°18 | F 12 |
| S 13 | 5 27 31 | 21° 2'02 | 21°22 | 9°34 | 3°48 | 27°23 | 15°20 | 24°25 | 15° 1 | 9°30 | 5°37 | 18° 8 | 16°39 | 9°57 | 29°17 | S 13 |
| S 14 | 5 31 27 | 22° 3'00 | 3°31 | 9°R38 | 5° 4 | 28° 5 | 15°12 | 24°27 | 15° 0 | 9°31 | 5°39 | 18° 1 | 16°35 | 10° 4 | 29°15 | S 14 |
| M15 | 5 35 24 | 23° 3'58 | 15°50 | 9°33 | 6°19 | 28°46 | 15° 4 | 24°29 | 14°58 | 9°31 | 5°40 | 17°56 | 16°32 | 10°10 | 29°14 | M15 |
| T 16 | 5 39 20 | 24° 4'57 | 28°22 | 9°16 | 7°34 | 29°27 | 14°56 | 24°31 | 14°56 | 9°32 | 5°42 | 17°51 | 16°29 | 10°17 | 29°12 | T 16 |
| W17 | 5 43 17 | 25° 5'56 | 11°9 | 8°47 | 8°49 | 0°9 | 14°48 | 24°33 | 14°54 | 9°33 | 5°43 | 17°49 | 16°26 | 10°24 | 29°11 | W17 |
| T 18 | 5 47 14 | 26° 6'56 | 24°15 | 8° 8 | 10° 5 | 0°50 | 14°40 | 24°35 | 14°53 | 9°34 | 5°45 | 17°D48 | 16°23 | 10°30 | 29°10 | T 18 |
| F 19 | 5 51 10 | 27° 7'56 | 7°42 | 7°17 | 11°20 | 1°31 | 14°33 | 24°37 | 14°51 | 9°35 | 5°46 | 17°48 | 16°19 | 10°37 | 29° 9 | F 19 |
| S 20 | 5 55 7 | 28° 8'56 | 21°32 | 6°15 | 12°35 | 2°13 | 14°25 | 24°39 | 14°49 | 9°36 | 5°48 | 17°49 | 16°16 | 10°44 | 29° 7 | S 20 |
| S 21 | 5 59 3 | 29° 9'58 | 5°47 | 5° 5 | 13°50 | 2°54 | 14°17 | 24°40 | 14°48 | 9°36 | 5°49 | 17°51 | 16°13 | 10°50 | 29° 6 | S 21 |
| M22 | 6 3 0 | 0°30'59 | 20°25 | 3°48 | 15° 6 | 3°36 | 14°10 | 24°42 | 14°46 | 9°37 | 5°51 | 17°R51 | 16°10 | 10°57 | 29° 5 | M22 |
| T 23 | 6 6 56 | 1°12'01 | 5°II22 | 2°27 | 16°21 | 4°18 | 14° 2 | 24°43 | 14°45 | 9°38 | 5°53 | 17°50 | 16° 7 | 11° 4 | 29° 4 | T 23 |
| W24 | 6 10 53 | 2°13'04 | 20°31 | 1° 4 | 17°36 | 4°59 | 13°55 | 24°45 | 14°43 | 9°38 | 5°54 | 17°47 | 16° 4 | 11°10 | 29° 3 | W24 |
| T 25 | 6 14 49 | 3°14'07 | 5°343 | 29°42 | 18°51 | 5°41 | 13°47 | 24°46 | 14°42 | 9°39 | 5°56 | 17°41 | 16° 0 | 11°17 | 29° 2 | T 25 |
| F 26 | 6 18 46 | 4°15'11 | 20°48 | 28°24 | 20° 6 | 6°22 | 13°40 | 24°47 | 14°40 | 9°39 | 5°58 | 17°34 | 15°57 | 11°24 | 29° 2 | F 26 |
| S 27 | 6 22 43 | 5°16'15 | 5°236 | 27°13 | 21°22 | 7° 4 | 13°33 | 24°48 | 14°39 | 9°40 | 5°59 | 17°26 | 15°54 | 11°30 | 29° 1 | S 27 |
| S 28 | 6 26 39 | 6°17'19 | 20° 0 | 26° 9 | 22°37 | 7°46 | 13°26 | 24°49 | 14°38 | 9°40 | 6° 1 | 17°19 | 15°51 | 11°37 | 29° 0 | S 28 |
| M29 | 6 30 36 | 7°18'25 | 3°17 | 25°15 | 23°52 | 8°28 | 13°19 | 24°49 | 14°37 | 9°41 | 6° 3 | 17°12 | 15°48 | 11°44 | 28°59 | M29 |
| T 30 | 6 34 32 | 8°19'31 | 17°20 | 24°30 | 25° 7 | 9°10 | 13°13 | 24°50 | 14°35 | 9°41 | 6° 5 | 17° 8 | 15°45 | 11°50 | 28°59 | T 30 |
| W31 | 6 38 29 | 9°20'37 | 0°17 | 23°57 | 26°22 | 9°51 | 13°II 6 | 24°51 | 14°34 | 9°42 | 6° 6 | 17°M 6 | 15°M41 | 11°57 | 28°Y58 | W31 |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | lat |
| M 1 | 21s45 | 8n 7 | 5s14 | 25s53 | 2s28 | 23s16 | 0s20 | 17s12 | 0n18 | 22n 1 | 0s45 | 4n13 | 1n55 | 16n 4 | 0s24 | 2s24 |
| T 2 | 21 54 | 3 44 | 4 57 | 25 51 | 2 27 | 23 24 | 0 22 | 17 24 | 0 17 | 22 1 | 0 45 | 4 11 | 1 55 | 16 3 | 0 24 | 2 25 |
| W 3 | 22 3 | 0s41 | 4 25 | 25 47 | 2 24 | 23 32 | 0 25 | 17 35 | 0 17 | 22 0 | 0 45 | 4 10 | 1 55 | 16 2 | 0 23 | 2 25 |
| T 4 | 22 11 | 4 58 | 3 41 | 25 43 | 2 21 | 23 39 | 0 27 | 17 47 | 0 16 | 21 59 | 0 44 | 4 9 | 1 55 | 16 1 | 0 23 | 2 26 |
| F 5 | 22 19 | 8 58 | 2 48 | 25 37 | 2 17 | 23 45 | 0 30 | 17 58 | 0 16 | 21 59 | 0 44 | 4 8 | 1 56 | 16 1 | 0 23 | 2 26 |
| S 6 | 22 26 | 12 33 | 1 49 | 25 30 | 2 12 | 23 50 | 0 32 | 18 9 | 0 15 | 21 58 | 0 44 | 4 7 | 1 56 | 16 1 | 0 23 | 2 27 |
| S 7 | 22 33 | 15 34 | 0 45 | 25 22 | 2 6 | 23 55 | 0 34 | 18 20 | 0 14 | 21 57 | 0 44 | 4 6 | 1 56 | 16 0 | 0 23 | 2 27 |
| M 8 | 22 40 | 17 56 | 0n20 | 25 12 | 2 0 | 23 59 | 0 36 | 18 31 | 0 14 | 21 56 | 0 44 | 4 5 | 1 56 | 16 0 | 0 23 | 2 27 |
| T 9 | 22 46 | 19 31 | 1 23 | 25 2 | 1 52 | 24 3 | 0 39 | 18 41 | 0 13 | 21 56 | 0 44 | 4 4 | 1 57 | 15 59 | 0 23 | 2 28 |
| W10 | 22 52 | 20 15 | 2 24 | 24 50 | 1 42 | 24 5 | 0 41 | 18 52 | 0 13 | 21 55 | 0 44 | 4 3 | 1 57 | 15 58 | 0 23 | 2 28 |
| T 11 | 22 57 | 20 5 | 3 18 | 24 38 | 1 32 | 24 7 | 0 43 | 19 2 | 0 12 | 21 54 | 0 44 | 4 3 | 1 57 | 15 58 | 0 23 | 2 29 |
| F 12 | 23 2 | 19 2 | 4 3 | 24 24 | 1 20 | 24 8 | 0 45 | 19 12 | 0 12 | 21 54 | 0 43 | 4 2 | 1 57 | 15 57 | 0 23 | 2 29 |
| S 13 | 23 6 | 17 7 | 4 39 | 24 10 | 1 7 | 24 8 | 0 48 | 19 22 | 0 11 | 21 53 | 0 43 | 4 1 | 1 58 | 15 57 | 0 23 | 2 29 |
| S 14 | 23 10 | 14 27 | 5 2 | 23 56 | 0 53 | 24 8 | 0 50 | 19 32 | 0 10 | 21 52 | 0 43 | 4 0 | 1 58 | 15 56 | 0 23 | 2 30 |
| M15 | 23 13 | 11 6 | 5 11 | 23 40 | 0 37 | 24 7 | 0 52 | 19 42 | 0 10 | 21 51 | 0 43 | 4 0 | 1 58 | 15 56 | 0 23 | 2 30 |
| T 16 | 23 16 | 7 14 | 5 6 | 23 24 | 0 20 | 24 5 | 0 54 | 19 51 | 0 9 | 21 50 | 0 43 | 3 59 | 1 58 | 15 55 | 0 23 | 2 30 |
| W17 | 23 19 | 2 57 | 4 46 | 23 8 | 0 2 | 24 2 | 0 56 | 20 1 | 0 9 | 21 50 | 0 43 | 3 59 | 1 59 | 15 55 | 0 23 | 2 31 |
| T 18 | 23 21 | 1n34 | 4 11 | 22 52 | 0n18 | 23 59 | 0 58 | 20 10 | 0 8 | 21 49 | 0 42 | 3 58 | 1 59 | 15 54 | 0 23 | 2 31 |
| F 19 | 23 22 | 6 8 | 3 21 | 22 35 | 0 37 | 23 55 | 1 0 | 20 19 | 0 7 | 21 48 | 0 42 | 3 58 | 1 59 | 15 54 | 0 23 | 2 31 |
| S 20 | 23 23 | 10 31 | 2 18 | 22 18 | 0 57 | 23 50 | 1 2 | 20 28 | 0 7 | 21 48 | 0 42 | 3 57 | 2 0 | 15 53 | 0 23 | 2 31 |
| S 21 | 23 24 | 14 27 | 1 5 | 22 1 | 1 17 | 23 45 | 1 4 | 20 36 | 0 6 | 21 47 | 0 42 | 3 57 | 2 0 | 15 53 | 0 23 | 2 32 |
| M22 | 23 24 | 17 36 | 0s14 | 21 44 | 1 37 | 23 38 | 1 6 | 20 45 | 0 6 | 21 46 | 0 42 | 3 56 | 2 0 | 15 52 | 0 23 | 2 32 |
| T 23 | 23 24 | 19 38 | 1 34 | 21 28 | 1 55 | 23 31 | 1 8 | 20 53 | 0 5 | 21 46 | 0 42 | 3 56 | 2 0 | 15 52 | 0 23 | 2 32 |
| W24 | 23 23 | 20 17 | 2 48 | 21 12 | 2 11 | 23 23 | 1 9 | 21 1 | 0 4 | 21 45 | 0 41 | 3 56 | 2 1 | 15 52 | 0 23 | 2 32 |
| T 25 | 23 22 | 19 27 | 3 50 | 20 58 | 2 26 | 23 15 | 1 11 | 21 9 | 0 4 | 21 44 | 0 41 | 3 56 | 2 1 | 15 51 | 0 23 | 2 32 |
| F 26 | 23 20 | 17 15 | 4 35 | 20 45 | 2 39 | 23 6 | 1 13 | 21 17 | 0 3 | 21 44 | 0 41 | 3 56 | 2 1 | 15 51 | 0 23 | 2 33 |
| S 27 | 23 18 | 13 58 | 5 2 | 20 34 | 2 49 | 22 56 | 1 14 | 21 25 | 0 2 | 21 43 | 0 41 | 3 55 | 2 1 | 15 51 | 0 23 | 2 33 |
| S 28 | 23 15 | 9 55 | 5 8 | 20 25 | 2 56 | 22 45 | 1 16 | 21 32 | 0 2 | 21 42 | 0 41 | 3 55 | 2 2 | 15 50 | 0 23 | 2 33 |
| M29 | 23 12 | 5 28 | 4 55 | 20 18 | 3 1 | 22 34 | 1 17 | 21 40 | 0 1 | 21 42 | 0 41 | 3 55 | 2 2 | 15 50 | 0 23 | 2 33 |
| T 30 | 23 8 | 0 54 | 4 27 | 20 13 | 3 4 | 22 22 | 1 19 | 21 47 | 0 1 | 21 41 | 0 40 | 3 55 | 2 2 | 15 50 | 0 23 | 2 33 |
| W31 | 23s 4 | 3s33 | 3s45 | 20s11 | 3n 5 | 22s10 | 1s20 | 21s54 | 0s 0 | 21n40 | 0s40 | 3n55 | 2n 3 | 15n49 | 0s23 | 2s33 |

Julian Day Number = 2551590.5, Delta T = 254.48 sec
Ecliptic obliquity = 23°24'07, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°34'08, Lahiri = 27°41'08