



# Astrodienst Ephemeris Tables for the year 1876

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 1876  
geocentric

JANUARY 1876

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♂     | ♀     | ♂      | ♂     | ♂     | ♂      | ♂     | ♂      | ♂     | ♂     | ♂     | ♂      | Day  |
|------|---------|----------|-------|-------|-------|--------|-------|-------|--------|-------|--------|-------|-------|-------|--------|------|
| S 1  | 6 40 0  | 9♂58'19  | 26♂47 | 13♂18 | 4♂27  | 18♂38  | 24♂0  | 23♂8  | 19°R25 | 0°R17 | 21°R54 | 2°R39 | 3°Y21 | 17♂45 | 21°R43 | S 1  |
| S 2  | 6 43 56 | 10°59'30 | 9♂19  | 14°56 | 5°41  | 19°21  | 24°11 | 23°14 | 19♂23  | 0♂17  | 21♂53  | 2°Y35 | 3°18  | 17°52 | 21°D43 | S 2  |
| M 3  | 6 47 53 | 12° 0'40 | 22° 5 | 16°34 | 6°56  | 20° 5  | 24°22 | 23°20 | 19°21  | 0°17  | 21°52  | 2°33  | 3°15  | 17°59 | 21°Y43 | M 3  |
| T 4  | 6 51 49 | 13° 1'50 | 5°Y 8 | 18°12 | 8°11  | 20°48  | 24°33 | 23°26 | 19°19  | 0°16  | 21°52  | 2°D33 | 3°11  | 18° 6 | 21°43  | T 4  |
| W 5  | 6 55 46 | 14° 3'00 | 18°32 | 19°51 | 9°25  | 21°31  | 24°43 | 23°32 | 19°17  | 0°16  | 21°51  | 2°R33 | 3° 8  | 18°12 | 21°43  | W 5  |
| T 6  | 6 59 43 | 15° 4'09 | 2♂19  | 21°30 | 10°40 | 22°15  | 24°54 | 23°38 | 19°15  | 0°16  | 21°50  | 2°32  | 3° 5  | 18°19 | 21°44  | T 6  |
| F 7  | 7 3 39  | 16° 5'18 | 16°32 | 23° 9 | 11°55 | 22°58  | 25° 5 | 23°44 | 19°13  | 0°16  | 21°50  | 2°29  | 3° 2  | 18°26 | 21°44  | F 7  |
| S 8  | 7 7 36  | 17° 6'26 | 1♂ 8  | 24°49 | 13° 9 | 23°41  | 25°15 | 23°51 | 19°11  | 0°16  | 21°49  | 2°23  | 2°59  | 18°32 | 21°44  | S 8  |
| S 9  | 7 11 32 | 18° 7'34 | 16° 4 | 26°28 | 14°24 | 24°24  | 25°25 | 23°57 | 19° 9  | 0°16  | 21°49  | 2°15  | 2°56  | 18°39 | 21°44  | S 9  |
| M10  | 7 15 29 | 19° 8'42 | 1♂13  | 28° 8 | 15°38 | 25° 8  | 25°36 | 24° 3 | 19° 7  | 0°15  | 21°48  | 2° 4  | 2°52  | 18°46 | 21°45  | M10  |
| T 11 | 7 19 25 | 20° 9'49 | 16°24 | 29°49 | 16°53 | 25°51  | 25°46 | 24°10 | 19° 4  | 0°D15 | 21°48  | 1°53  | 2°49  | 18°53 | 21°45  | T 11 |
| W12  | 7 23 22 | 21°10'56 | 1♂27  | 1♂29  | 18° 7 | 26°34  | 25°56 | 24°16 | 19° 2  | 0°15  | 21°47  | 1°43  | 2°46  | 18°59 | 21°46  | W12  |
| T 13 | 7 27 19 | 22°12'03 | 16°12 | 3° 9  | 19°22 | 27°17  | 26° 6 | 24°23 | 19° 0  | 0°16  | 21°47  | 1°34  | 2°43  | 19° 6 | 21°47  | T 13 |
| F 14 | 7 31 15 | 23°13'09 | 0♂31  | 4°49  | 20°36 | 28° 1  | 26°16 | 24°29 | 18°58  | 0°16  | 21°46  | 1°27  | 2°40  | 19°13 | 21°47  | F 14 |
| S 15 | 7 35 12 | 24°14'14 | 14°22 | 6°29  | 21°51 | 28°44  | 26°25 | 24°36 | 18°55  | 0°16  | 21°46  | 1°24  | 2°37  | 19°19 | 21°48  | S 15 |
| S 16 | 7 39 8  | 25°15'20 | 27°43 | 8° 9  | 23° 5 | 29°27  | 26°35 | 24°43 | 18°53  | 0°16  | 21°45  | 1°D23 | 2°33  | 19°26 | 21°49  | S 16 |
| M17  | 7 43 5  | 26°16'25 | 10♂37 | 9°48  | 24°19 | 0°Y10  | 26°45 | 24°49 | 18°51  | 0°16  | 21°45  | 1°23  | 2°30  | 19°33 | 21°50  | M17  |
| T 18 | 7 47 1  | 27°17'30 | 23° 8 | 11°26 | 25°34 | 0°53   | 26°54 | 24°56 | 18°48  | 0°16  | 21°44  | 1°R23 | 2°27  | 19°40 | 21°50  | T 18 |
| W19  | 7 50 58 | 28°18'34 | 5♂22  | 13° 3 | 26°48 | 1°37   | 27° 3 | 25° 3 | 18°46  | 0°17  | 21°44  | 1°23  | 2°24  | 19°46 | 21°51  | W19  |
| T 20 | 7 54 54 | 29°19'39 | 17°22 | 14°39 | 28° 2 | 2°20   | 27°13 | 25° 9 | 18°44  | 0°17  | 21°44  | 1°21  | 2°21  | 19°53 | 21°52  | T 20 |
| F 21 | 7 58 51 | 0♂20'43  | 29°15 | 16°14 | 29°16 | 3° 3   | 27°22 | 25°16 | 18°41  | 0°17  | 21°43  | 1°17  | 2°17  | 20° 0 | 21°53  | F 21 |
| S 22 | 8 2 48  | 1°21'46  | 11♂5  | 17°46 | 0♂31  | 3°46   | 27°31 | 25°23 | 18°39  | 0°18  | 21°43  | 1°10  | 2°14  | 20° 7 | 21°55  | S 22 |
| S 23 | 8 6 44  | 2°22'49  | 22°56 | 19°16 | 1°45  | 4°29   | 27°40 | 25°30 | 18°36  | 0°18  | 21°43  | 1° 1  | 2°11  | 20°13 | 21°56  | S 23 |
| M24  | 8 10 41 | 3°23'51  | 4♂51  | 20°43 | 2°59  | 5°12   | 27°48 | 25°37 | 18°34  | 0°18  | 21°42  | 0°50  | 2° 8  | 20°20 | 21°57  | M24  |
| T 25 | 8 14 37 | 4°24'53  | 16°52 | 22° 7 | 4°13  | 5°55   | 27°57 | 25°44 | 18°31  | 0°19  | 21°42  | 0°39  | 2° 5  | 20°27 | 21°58  | T 25 |
| W26  | 8 18 34 | 5°25'53  | 29° 1 | 23°26 | 5°27  | 6°38   | 28° 6 | 25°51 | 18°29  | 0°19  | 21°42  | 0°27  | 2° 2  | 20°33 | 22° 0  | W26  |
| T 27 | 8 22 30 | 6°26'53  | 11♂18 | 24°41 | 6°41  | 7°21   | 28°14 | 25°58 | 18°26  | 0°20  | 21°42  | 0°17  | 1°58  | 20°40 | 22° 1  | T 27 |
| F 28 | 8 26 27 | 7°27'52  | 23°45 | 25°50 | 7°55  | 8° 4   | 28°22 | 26° 5 | 18°24  | 0°21  | 21°42  | 0° 9  | 1°55  | 20°47 | 22° 3  | F 28 |
| S 29 | 8 30 23 | 8°28'50  | 6♂22  | 26°52 | 9° 9  | 8°47   | 28°30 | 26°12 | 18°21  | 0°21  | 21°41  | 0° 4  | 1°52  | 20°54 | 22° 4  | S 29 |
| S 30 | 8 34 20 | 9°29'47  | 19° 9 | 27°48 | 10°23 | 9°30   | 28°38 | 26°19 | 18°18  | 0°22  | 21°41  | 0° 1  | 1°49  | 21° 0 | 22° 6  | S 30 |
| M31  | 8 38 17 | 10♂30'42 | 2°Y 8 | 28♂35 | 11♂36 | 10°Y13 | 28♂46 | 26♂26 | 18♂16  | 0♂22  | 21♂41  | 0°D 1 | 1°Y46 | 21♂7  | 22°Y 7 | M31  |

| Day  | ☉     | ☽     | ♂    | ♀     | ♂    | ♂     | ♂    | ♂    | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂    |
|------|-------|-------|------|-------|------|-------|------|------|------|-------|------|-------|------|-------|------|------|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl |
| S 1  | 23s 5 | 15s22 | 2s57 | 24s45 | 1s58 | 20s45 | 1s38 | 5s 5 | 0s38 | 17s53 | 0n56 | 15s 4 | 1s19 | 15n42 | 0n44 | 9n55 |
| S 2  | 23 0  | 9 56  | 1 59 | 24 37 | 2 1  | 20 28 | 1 39 | 4 47 | 0 36 | 17 56 | 0 56 | 15 2  | 1 19 | 15 43 | 0 44 | 9 55 |
| M 3  | 22 55 | 3 59  | 0 55 | 24 27 | 2 3  | 20 9  | 1 39 | 4 48 | 0 35 | 17 58 | 0 56 | 15 0  | 1 19 | 15 43 | 0 44 | 9 54 |
| T 4  | 22 49 | 2n15  | 0n14 | 24 16 | 2 4  | 19 50 | 1 40 | 4 20 | 0 34 | 18 1  | 0 56 | 14 58 | 1 19 | 15 44 | 0 44 | 9 54 |
| W 5  | 22 43 | 8 33  | 1 23 | 24 4  | 2 6  | 19 31 | 1 40 | 3 52 | 0 33 | 18 3  | 0 56 | 14 56 | 1 19 | 15 44 | 0 44 | 9 54 |
| T 6  | 22 36 | 14 38 | 2 30 | 23 49 | 2 7  | 19 11 | 1 40 | 3 34 | 0 32 | 18 6  | 0 56 | 14 54 | 1 19 | 15 45 | 0 44 | 9 54 |
| F 7  | 22 29 | 20 9  | 3 30 | 23 34 | 2 7  | 18 50 | 1 40 | 3 16 | 0 31 | 18 8  | 0 56 | 14 51 | 1 19 | 15 46 | 0 44 | 9 54 |
| S 8  | 22 22 | 24 36 | 4 18 | 23 16 | 2 7  | 18 29 | 1 41 | 2 58 | 0 29 | 18 11 | 0 56 | 14 49 | 1 19 | 15 46 | 0 44 | 9 54 |
| S 9  | 22 14 | 27 31 | 4 49 | 22 57 | 2 7  | 18 8  | 1 41 | 2 39 | 0 28 | 18 13 | 0 56 | 14 47 | 1 19 | 15 47 | 0 44 | 9 54 |
| M10  | 22 5  | 28 28 | 5 1  | 22 37 | 2 6  | 17 46 | 1 41 | 2 21 | 0 27 | 18 16 | 0 56 | 14 45 | 1 19 | 15 48 | 0 44 | 9 54 |
| T 11 | 21 57 | 27 16 | 4 52 | 22 15 | 2 5  | 17 23 | 1 40 | 2 3  | 0 26 | 18 18 | 0 57 | 14 43 | 1 19 | 15 49 | 0 44 | 9 55 |
| W12  | 21 47 | 24 6  | 4 22 | 21 51 | 2 3  | 17 0  | 1 40 | 1 45 | 0 25 | 18 20 | 0 57 | 14 41 | 1 19 | 15 49 | 0 44 | 9 55 |
| T 13 | 21 38 | 19 25 | 3 35 | 21 26 | 2 1  | 16 37 | 1 40 | 1 26 | 0 24 | 18 22 | 0 57 | 14 39 | 1 19 | 15 50 | 0 44 | 9 55 |
| F 14 | 21 28 | 13 44 | 2 36 | 20 59 | 1 58 | 16 13 | 1 40 | 1 8  | 0 23 | 18 25 | 0 57 | 14 36 | 1 19 | 15 51 | 0 44 | 9 55 |
| S 15 | 21 17 | 7 32  | 1 29 | 20 31 | 1 54 | 15 48 | 1 39 | 0 50 | 0 21 | 18 27 | 0 57 | 14 34 | 1 19 | 15 51 | 0 44 | 9 55 |
| S 16 | 21 6  | 1 12  | 0 19 | 20 1  | 1 50 | 15 23 | 1 39 | 0 32 | 0 20 | 18 29 | 0 57 | 14 32 | 1 19 | 15 52 | 0 44 | 9 55 |
| M17  | 20 55 | 4s57  | 0s49 | 19 30 | 1 45 | 14 58 | 1 38 | 0 14 | 0 19 | 18 31 | 0 57 | 14 30 | 1 19 | 15 53 | 0 44 | 9 55 |
| T 18 | 20 43 | 10 45 | 1 53 | 18 58 | 1 40 | 14 33 | 1 38 | 0n 5 | 0 18 | 18 33 | 0 57 | 14 28 | 1 19 | 15 54 | 0 44 | 9 55 |
| W19  | 20 31 | 16 0  | 2 51 | 18 24 | 1 33 | 14 6  | 1 37 | 0 23 | 0 17 | 18 35 | 0 57 | 14 25 | 1 19 | 15 54 | 0 44 | 9 55 |
| T 20 | 20 18 | 20 32 | 3 39 | 17 49 | 1 26 | 13 40 | 1 36 | 0 41 | 0 16 | 18 37 | 0 57 | 14 23 | 1 19 | 15 55 | 0 44 | 9 56 |
| F 21 | 20 6  | 24 12 | 4 18 | 17 14 | 1 18 | 13 13 | 1 35 | 0 59 | 0 15 | 18 39 | 0 57 | 14 21 | 1 19 | 15 56 | 0 44 | 9 56 |
| S 22 | 19 52 | 26 50 | 4 46 | 16 37 | 1 10 | 12 46 | 1 34 | 1 17 | 0 14 | 18 41 | 0 57 | 14 18 | 1 19 | 15 57 | 0 44 | 9 56 |
| S 23 | 19 39 | 28 16 | 5 1  | 16 0  | 1 0  | 12 19 | 1 33 | 1 35 | 0 13 | 18 43 | 0 57 | 14 16 | 1 19 | 15 58 | 0 44 | 9 56 |
| M24  | 19 25 | 28 25 | 5 3  | 15 23 | 0 50 | 11 51 | 1 32 | 1 53 | 0 12 | 18 45 | 0 58 | 14 14 | 1 19 | 15 58 | 0 44 | 9 56 |
| T 25 | 19 10 | 27 13 | 4 52 | 14 45 | 0 38 | 11 23 | 1 31 | 2 11 | 0 11 | 18 47 | 0 58 | 14 11 | 1 19 | 15 59 | 0 44 | 9 57 |
| W26  | 18 56 | 24 44 | 4 27 | 14 8  | 0 26 | 10 55 | 1 30 | 2 29 | 0 10 | 18 49 | 0 58 | 14 9  | 1 19 | 16 0  | 0 44 | 9 57 |
| T 27 | 18 41 | 21 5  | 3 50 | 13 31 | 0 13 | 10 26 | 1 28 | 2 47 | 0 9  | 18 51 | 0 58 | 14 7  | 1 19 | 16 1  | 0 44 | 9 57 |
| F 28 | 18 25 | 16 28 | 3 2  | 12 55 | 0n 0 | 9 57  | 1 27 | 3 5  | 0 8  | 18 52 | 0 58 | 14 4  | 1 19 | 16 2  | 0 44 | 9 57 |
| S 29 | 18 9  | 11 6  | 2 3  | 12 20 | 0 15 | 9 28  | 1 25 | 3 23 | 0 7  | 18 54 | 0 58 | 14 2  | 1 19 | 16 2  | 0 44 | 9 58 |
| S 30 | 17 53 | 5 11  | 0 58 | 11 46 | 0 30 | 8 59  | 1 24 | 3 41 | 0 6  | 18 56 | 0 58 | 14 0  | 1 19 | 16 3  | 0 44 | 9 58 |
| M31  | 17s37 | 1n 2  | 0n11 | 11s15 | 0n46 | 8s29  | 1s22 | 3n58 | 0s 5 | 18s57 | 0n58 | 13s57 | 1s19 | 16n 4 | 0n44 | 9n58 |

Julian Day Number = 2406254.5, Delta T = -1.61 sec  
Ecliptic obliquity = 23°27'28", Nutation = -0°00'00", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 23°00'31", Lahiri = 22°07'32"

ASTRODIENST EPHEMERIS for the year 1876  
geocentric

FEBRUARY 1876

00:00 UT

| Day  | Sid.t    | ☉        | ☽       | ♂      | ♀      | ♂     | ♂     | ♂     | ♂      | ♂    | ♂      | ♂      | ♂     | ♂     | ♂      | Day  |
|------|----------|----------|---------|--------|--------|-------|-------|-------|--------|------|--------|--------|-------|-------|--------|------|
| T 1  | 8 42 13  | 11°31'36 | 15°21   | 29°14  | 12°50  | 10°56 | 28°54 | 26°33 | 18°R13 | 0°23 | 21°R41 | 0°Y 2  | 1°Y43 | 21°14 | 22°Y 9 | T 1  |
| W 2  | 8 46 10  | 12°32'29 | 28°48   | 29°43  | 14° 4  | 11°39 | 29° 2 | 26°40 | 18°11  | 0°24 | 21°B41 | 0° 3   | 1°39  | 21°20 | 22°11  | W 2  |
| T 3  | 8 50 6   | 13°33'20 | 12°33   | 0°H 2  | 15°18  | 12°22 | 29° 9 | 26°47 | 18° 8  | 0°25 | 21°41  | 0°R 4  | 1°36  | 21°27 | 22°12  | T 3  |
| F 4  | 8 54 3   | 14°34'10 | 26°34   | 0°R11  | 16°31  | 13° 5 | 29°16 | 26°54 | 18° 5  | 0°26 | 21°41  | 0° 3   | 1°33  | 21°34 | 22°14  | F 4  |
| S 5  | 8 57 59  | 15°34'59 | 10°II53 | 0° 8   | 17°45  | 13°47 | 29°24 | 27° 2 | 18° 3  | 0°26 | 21°D41 | 0° 0   | 1°30  | 21°41 | 22°16  | S 5  |
| S 6  | 9 1 56   | 16°35'46 | 25°26   | 29°55  | 18°58  | 14°30 | 29°31 | 27° 9 | 18° 0  | 0°27 | 21°41  | 29°H56 | 1°27  | 21°47 | 22°18  | S 6  |
| M 7  | 9 5 52   | 17°36'31 | 10°9    | 29°30  | 20°12  | 15°13 | 29°38 | 27°16 | 17°57  | 0°28 | 21°41  | 29°50  | 1°23  | 21°54 | 22°20  | M 7  |
| T 8  | 9 9 49   | 18°37'15 | 24°55   | 28°56  | 21°25  | 15°56 | 29°44 | 27°23 | 17°55  | 0°29 | 21°41  | 29°43  | 1°20  | 22° 1 | 22°22  | T 8  |
| W 9  | 9 13 46  | 19°37'58 | 9°237   | 28°12  | 22°38  | 16°38 | 29°51 | 27°30 | 17°52  | 0°30 | 21°41  | 29°37  | 1°17  | 22° 8 | 22°24  | W 9  |
| T 10 | 9 17 42  | 20°38'39 | 24° 7   | 27°19  | 23°52  | 17°21 | 29°57 | 27°38 | 17°50  | 0°31 | 21°41  | 29°31  | 1°14  | 22°14 | 22°26  | T 10 |
| F 11 | 9 21 39  | 21°39'19 | 8°18    | 26°20  | 25° 5  | 18° 4 | 0°4 4 | 27°45 | 17°47  | 0°32 | 21°41  | 29°28  | 1°11  | 22°21 | 22°28  | F 11 |
| S 12 | 9 25 35  | 22°39'57 | 22° 6   | 25°15  | 26°18  | 18°46 | 0°10  | 27°52 | 17°44  | 0°33 | 21°41  | 29°26  | 1° 8  | 22°28 | 22°30  | S 12 |
| S 13 | 9 29 32  | 23°40'34 | 5°29    | 24° 8  | 27°31  | 19°29 | 0°16  | 27°59 | 17°42  | 0°34 | 21°42  | 29°D26 | 1° 4  | 22°34 | 22°33  | S 13 |
| M14  | 9 33 28  | 24°41'10 | 18°28   | 22°58  | 28°44  | 20°11 | 0°22  | 28° 7 | 17°39  | 0°35 | 21°42  | 29°27  | 1° 1  | 22°41 | 22°35  | M14  |
| T 15 | 9 37 25  | 25°41'45 | 1°14    | 21°49  | 29°57  | 20°54 | 0°28  | 28°14 | 17°37  | 0°37 | 21°42  | 29°29  | 0°58  | 22°48 | 22°37  | T 15 |
| W16  | 9 41 21  | 26°42'18 | 13°23   | 20°42  | 1°Y10  | 21°36 | 0°33  | 28°21 | 17°34  | 0°38 | 21°42  | 29°30  | 0°55  | 22°55 | 22°40  | W16  |
| T 17 | 9 45 18  | 27°42'50 | 25°28   | 19°39  | 2°23   | 22°19 | 0°39  | 28°28 | 17°31  | 0°39 | 21°43  | 29°R31 | 0°52  | 23° 1 | 22°42  | T 17 |
| F 18 | 9 49 15  | 28°43'21 | 7°23    | 18°41  | 3°36   | 23° 1 | 0°44  | 28°36 | 17°29  | 0°40 | 21°43  | 29°31  | 0°49  | 23° 8 | 22°45  | F 18 |
| S 19 | 9 53 11  | 29°43'51 | 19°15   | 17°48  | 4°48   | 23°44 | 0°49  | 28°43 | 17°26  | 0°42 | 21°43  | 29°29  | 0°45  | 23°15 | 22°47  | S 19 |
| S 20 | 9 57 8   | 0°H44'19 | 1°3 8   | 17° 2  | 6° 1   | 24°26 | 0°54  | 28°50 | 17°24  | 0°43 | 21°43  | 29°26  | 0°42  | 23°21 | 22°50  | S 20 |
| M21  | 10 1 4   | 1°44'46  | 13° 5   | 16°23  | 7°13   | 25° 8 | 0°58  | 28°58 | 17°21  | 0°44 | 21°44  | 29°22  | 0°39  | 23°28 | 22°52  | M21  |
| T 22 | 10 5 1   | 2°45'12  | 25°10   | 15°51  | 8°26   | 25°51 | 1° 3  | 29° 5 | 17°19  | 0°46 | 21°44  | 29°17  | 0°36  | 23°35 | 22°55  | T 22 |
| W23  | 10 8 57  | 3°45'36  | 7°27    | 15°27  | 9°38   | 26°33 | 1° 7  | 29°12 | 17°16  | 0°47 | 21°44  | 29°12  | 0°33  | 23°42 | 22°58  | W23  |
| T 24 | 10 12 54 | 4°45'58  | 19°56   | 15°10  | 10°50  | 27°15 | 1°12  | 29°19 | 17°14  | 0°48 | 21°45  | 29° 8  | 0°29  | 23°48 | 23° 0  | T 24 |
| F 25 | 10 16 50 | 5°46'19  | 2°H38   | 15° 1  | 12° 3  | 27°57 | 1°16  | 29°27 | 17°11  | 0°50 | 21°45  | 29° 5  | 0°26  | 23°55 | 23° 3  | F 25 |
| S 26 | 10 20 47 | 6°46'38  | 15°35   | 14°D58 | 13°15  | 28°40 | 1°20  | 29°34 | 17° 9  | 0°51 | 21°46  | 29° 3  | 0°23  | 24° 2 | 23° 6  | S 26 |
| S 27 | 10 24 44 | 7°46'55  | 28°45   | 15° 2  | 14°27  | 29°22 | 1°23  | 29°41 | 17° 6  | 0°53 | 21°46  | 29°D 3 | 0°20  | 24° 9 | 23° 9  | S 27 |
| M28  | 10 28 40 | 8°47'10  | 12°Y 7  | 15°12  | 15°39  | 0°H 4 | 1°27  | 29°48 | 17° 4  | 0°54 | 21°47  | 29° 3  | 0°17  | 24°15 | 23°12  | M28  |
| T 29 | 10 32 37 | 9°H47'23 | 25°Y42  | 15°28  | 16°Y51 | 0°H46 | 1°30  | 29°55 | 17°12  | 0°56 | 21°47  | 29°H 4 | 0°Y14 | 24°22 | 23°Y14 | T 29 |

| Day  | ☉     | ☽     | ♂    | ♀     | ♂    | ♂    | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     |
|------|-------|-------|------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|
|      | decl  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | lat   |
| T 1  | 17s20 | 7n18  | 1n22 | 10s46 | 1n 3 | 7s59 | 1s21 | 4n16  | 0s 4 | 18s59 | 0n58 | 13s55 | 1s19 | 16n 5 | 0n44 | 9n58  |
| W 2  | 17 3  | 13 23 | 2 29 | 10 20 | 1 20 | 7 29 | 1 19 | 4 34  | 0 3  | 19 0  | 0 58 | 13 52 | 1 19 | 16 6  | 0 44 | 9 59  |
| T 3  | 16 46 | 18 56 | 3 29 | 9 57  | 1 37 | 6 59 | 1 17 | 4 51  | 0 2  | 19 2  | 0 58 | 13 50 | 1 19 | 16 6  | 0 44 | 9 59  |
| F 4  | 16 28 | 23 35 | 4 18 | 9 38  | 1 54 | 6 29 | 1 15 | 5 9   | 0 1  | 19 3  | 0 59 | 13 48 | 1 19 | 16 7  | 0 44 | 9 59  |
| S 5  | 16 11 | 26 54 | 4 52 | 9 24  | 2 11 | 5 58 | 1 13 | 5 26  | 0 0  | 19 5  | 0 59 | 13 45 | 1 19 | 16 8  | 0 44 | 10 0  |
| S 6  | 15 52 | 28 30 | 5 8  | 9 13  | 2 27 | 5 27 | 1 11 | 5 44  | 0n 1 | 19 6  | 0 59 | 13 43 | 1 19 | 16 9  | 0 44 | 10 0  |
| M 7  | 15 34 | 28 7  | 5 4  | 9 7   | 2 42 | 4 56 | 1 9  | 6 1   | 0 2  | 19 8  | 0 59 | 13 40 | 1 19 | 16 10 | 0 44 | 10 0  |
| T 8  | 15 15 | 25 45 | 4 40 | 9 6   | 2 57 | 4 25 | 1 7  | 6 19  | 0 2  | 19 9  | 0 59 | 13 38 | 1 19 | 16 11 | 0 44 | 10 1  |
| W 9  | 14 56 | 21 40 | 3 57 | 9 3   | 3 10 | 3 54 | 1 4  | 6 36  | 0 3  | 19 10 | 0 59 | 13 35 | 1 19 | 16 11 | 0 44 | 10 1  |
| T 10 | 14 37 | 16 19 | 3 0  | 9 16  | 3 21 | 3 23 | 1 2  | 6 53  | 0 4  | 19 12 | 0 59 | 13 33 | 1 19 | 16 12 | 0 44 | 10 2  |
| F 11 | 14 18 | 10 12 | 1 52 | 9 28  | 3 30 | 2 52 | 0 59 | 7 10  | 0 5  | 19 13 | 0 59 | 13 30 | 1 19 | 16 13 | 0 44 | 10 2  |
| S 12 | 13 58 | 3 45  | 0 40 | 9 43  | 3 37 | 2 21 | 0 57 | 7 27  | 0 6  | 19 14 | 0 59 | 13 28 | 1 19 | 16 14 | 0 44 | 10 2  |
| S 13 | 13 38 | 2s41  | 0s33 | 10 1  | 3 41 | 1 49 | 0 54 | 7 44  | 0 7  | 19 15 | 0 59 | 13 26 | 1 20 | 16 15 | 0 44 | 10 3  |
| M14  | 13 18 | 8 49  | 1 42 | 10 21 | 3 43 | 1 18 | 0 52 | 8 1   | 0 8  | 19 16 | 1 0  | 13 23 | 1 20 | 16 15 | 0 44 | 10 3  |
| T 15 | 12 58 | 14 25 | 2 44 | 10 43 | 3 43 | 0 46 | 0 49 | 8 18  | 0 9  | 19 17 | 1 0  | 13 21 | 1 20 | 16 16 | 0 44 | 10 4  |
| W16  | 12 37 | 19 19 | 3 37 | 11 7  | 3 41 | 0 15 | 0 46 | 8 34  | 0 9  | 19 18 | 1 0  | 13 18 | 1 20 | 16 17 | 0 44 | 10 4  |
| T 17 | 12 17 | 23 20 | 4 19 | 11 31 | 3 36 | 0n17 | 0 44 | 8 51  | 0 10 | 19 19 | 1 0  | 13 16 | 1 20 | 16 18 | 0 44 | 10 5  |
| F 18 | 11 56 | 26 19 | 4 50 | 11 55 | 3 30 | 0 48 | 0 41 | 9 8   | 0 11 | 19 20 | 1 0  | 13 13 | 1 20 | 16 19 | 0 44 | 10 5  |
| S 19 | 11 35 | 28 8  | 5 8  | 12 19 | 3 22 | 1 20 | 0 38 | 9 24  | 0 12 | 19 21 | 1 0  | 13 11 | 1 20 | 16 19 | 0 44 | 10 6  |
| S 20 | 11 13 | 28 40 | 5 12 | 12 41 | 3 12 | 1 51 | 0 35 | 9 40  | 0 13 | 19 22 | 1 0  | 13 8  | 1 20 | 16 20 | 0 44 | 10 6  |
| M21  | 10 52 | 27 51 | 5 4  | 13 3  | 3 1  | 2 23 | 0 32 | 9 57  | 0 13 | 19 23 | 1 0  | 13 6  | 1 20 | 16 21 | 0 44 | 10 7  |
| T 22 | 10 30 | 25 44 | 4 41 | 13 24 | 2 50 | 2 54 | 0 29 | 10 13 | 0 14 | 19 24 | 1 0  | 13 3  | 1 20 | 16 22 | 0 44 | 10 7  |
| W23  | 10 8  | 22 23 | 4 6  | 13 42 | 2 37 | 3 26 | 0 26 | 10 29 | 0 15 | 19 25 | 1 1  | 13 1  | 1 20 | 16 22 | 0 44 | 10 8  |
| T 24 | 9 46  | 17 59 | 3 18 | 14 0  | 2 25 | 3 57 | 0 22 | 10 45 | 0 16 | 19 26 | 1 1  | 12 58 | 1 20 | 16 23 | 0 44 | 10 8  |
| F 25 | 9 24  | 12 43 | 2 20 | 14 15 | 2 11 | 4 28 | 0 19 | 11 1  | 0 17 | 19 26 | 1 1  | 12 56 | 1 20 | 16 24 | 0 44 | 10 9  |
| S 26 | 9 2   | 6 49  | 1 13 | 14 29 | 1 58 | 4 59 | 0 16 | 11 17 | 0 17 | 19 27 | 1 1  | 12 53 | 1 20 | 16 25 | 0 44 | 10 9  |
| S 27 | 8 39  | 0 31  | 0 2  | 14 40 | 1 45 | 5 30 | 0 13 | 11 32 | 0 18 | 19 28 | 1 1  | 12 51 | 1 20 | 16 25 | 0 44 | 10 10 |
| M28  | 8 17  | 5n53  | 1n11 | 14 50 | 1 31 | 6 1  | 0 9  | 11 48 | 0 19 | 19 28 | 1 1  | 12 48 | 1 20 | 16 26 | 0 44 | 10 11 |
| T 29 | 7s54  | 12n 8 | 2n22 | 14s58 | 1n18 | 6n32 | 0s 6 | 12n 3 | 0n20 | 19s29 | 1n 1 | 12s46 | 1s21 | 16n27 | 0n44 | 10n11 |

Julian Day Number = 2406285.5, Delta T = -1.64 sec  
Ecliptic obliquity = 23°27'29, Nutation = 0°00'01, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 23°00'35, Lahiri = 22°07'36

# ASTRODIENST EPHEMERIS for the year 1876

## geocentric

MARCH 1876

00:00 UT

| Day  | Sid.t    | ☉                      | ☽                    | ♂                   | ♀                  | ♂                   | ♂                  | ♂                  | ♂                   | ♂                  | ♂                   | ♂                   | ♂                   | ♂                   | ♂                   | Day  |
|------|----------|------------------------|----------------------|---------------------|--------------------|---------------------|--------------------|--------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------|
| W 1  | 10 36 33 | 10 <sup>h</sup> 47'35  | 9 <sup>h</sup> 27    | 15 <sup>h</sup> 49  | 18 <sup>h</sup> 3  | 1 <sup>h</sup> 28   | 1 <sup>h</sup> 34  | 0 <sup>h</sup> 3   | 16 <sup>h</sup> R59 | 0 <sup>h</sup> 57  | 21 <sup>h</sup> 848 | 29 <sup>h</sup> 6   | 0 <sup>h</sup> Y10  | 24 <sup>h</sup> 29  | 23 <sup>h</sup> Y17 | W 1  |
| T 2  | 10 40 30 | 11 <sup>h</sup> 47'44  | 23 <sup>h</sup> 22   | 16 <sup>h</sup> 16  | 19 <sup>h</sup> 14 | 2 <sup>h</sup> 10   | 1 <sup>h</sup> 37  | 0 <sup>h</sup> 10  | 16 <sup>h</sup> Ω57 | 0 <sup>h</sup> 59  | 21 <sup>h</sup> 48  | 29 <sup>h</sup> 7   | 0 <sup>h</sup> 7    | 24 <sup>h</sup> 35  | 23 <sup>h</sup> 20  | T 2  |
| F 3  | 10 44 26 | 12 <sup>h</sup> 47'51  | 7 <sup>h</sup> II26  | 16 <sup>h</sup> 47  | 20 <sup>h</sup> 26 | 2 <sup>h</sup> 52   | 1 <sup>h</sup> 39  | 0 <sup>h</sup> 17  | 16 <sup>h</sup> 55  | 1 <sup>h</sup> 1   | 21 <sup>h</sup> 49  | 29 <sup>h</sup> R 8 | 0 <sup>h</sup> 4    | 24 <sup>h</sup> 42  | 23 <sup>h</sup> 23  | F 3  |
| S 4  | 10 48 23 | 13 <sup>h</sup> 47'56  | 21 <sup>h</sup> 37   | 17 <sup>h</sup> 23  | 21 <sup>h</sup> 37 | 3 <sup>h</sup> 34   | 1 <sup>h</sup> 42  | 0 <sup>h</sup> 24  | 16 <sup>h</sup> 52  | 1 <sup>h</sup> 2   | 21 <sup>h</sup> 49  | 29 <sup>h</sup> 8   | 0 <sup>h</sup> 1    | 24 <sup>h</sup> 49  | 23 <sup>h</sup> 26  | S 4  |
| S 5  | 10 52 19 | 14 <sup>h</sup> 47'59  | 5 <sup>h</sup> 53    | 18 <sup>h</sup> 4   | 22 <sup>h</sup> 49 | 4 <sup>h</sup> 16   | 1 <sup>h</sup> 44  | 0 <sup>h</sup> 31  | 16 <sup>h</sup> 50  | 1 <sup>h</sup> 4   | 21 <sup>h</sup> 50  | 29 <sup>h</sup> 7   | 29 <sup>h</sup> 58  | 24 <sup>h</sup> 56  | 23 <sup>h</sup> 30  | S 5  |
| M 6  | 10 56 16 | 15 <sup>h</sup> 48'00  | 20 <sup>h</sup> 11   | 18 <sup>h</sup> 48  | 24 <sup>h</sup> 0  | 4 <sup>h</sup> 58   | 1 <sup>h</sup> 47  | 0 <sup>h</sup> 38  | 16 <sup>h</sup> 48  | 1 <sup>h</sup> 6   | 21 <sup>h</sup> 51  | 29 <sup>h</sup> 5   | 29 <sup>h</sup> 55  | 25 <sup>h</sup> 2   | 23 <sup>h</sup> 33  | M 6  |
| T 7  | 11 0 13  | 16 <sup>h</sup> 47'59  | 4 <sup>h</sup> Ω29   | 19 <sup>h</sup> 35  | 25 <sup>h</sup> 11 | 5 <sup>h</sup> 40   | 1 <sup>h</sup> 49  | 0 <sup>h</sup> 46  | 16 <sup>h</sup> 46  | 1 <sup>h</sup> 7   | 21 <sup>h</sup> 51  | 29 <sup>h</sup> 4   | 29 <sup>h</sup> 51  | 25 <sup>h</sup> 9   | 23 <sup>h</sup> 36  | T 7  |
| W 8  | 11 4 9   | 17 <sup>h</sup> 47'55  | 18 <sup>h</sup> 41   | 20 <sup>h</sup> 26  | 26 <sup>h</sup> 22 | 6 <sup>h</sup> 22   | 1 <sup>h</sup> 51  | 0 <sup>h</sup> 53  | 16 <sup>h</sup> 44  | 1 <sup>h</sup> 9   | 21 <sup>h</sup> 52  | 29 <sup>h</sup> 2   | 29 <sup>h</sup> 48  | 25 <sup>h</sup> 16  | 23 <sup>h</sup> 39  | W 8  |
| T 9  | 11 8 6   | 18 <sup>h</sup> 47'49  | 2 <sup>h</sup> II43  | 21 <sup>h</sup> 20  | 27 <sup>h</sup> 33 | 7 <sup>h</sup> 3    | 1 <sup>h</sup> 53  | 1 <sup>h</sup> 0   | 16 <sup>h</sup> 41  | 1 <sup>h</sup> 11  | 21 <sup>h</sup> 53  | 29 <sup>h</sup> 1   | 29 <sup>h</sup> 45  | 25 <sup>h</sup> 22  | 23 <sup>h</sup> 42  | T 9  |
| F 10 | 11 12 2  | 19 <sup>h</sup> 47'41  | 16 <sup>h</sup> 31   | 22 <sup>h</sup> 18  | 28 <sup>h</sup> 44 | 7 <sup>h</sup> 45   | 1 <sup>h</sup> 54  | 1 <sup>h</sup> 7   | 16 <sup>h</sup> 39  | 1 <sup>h</sup> 13  | 21 <sup>h</sup> 53  | 29 <sup>h</sup> 1   | 29 <sup>h</sup> 42  | 25 <sup>h</sup> 29  | 23 <sup>h</sup> 45  | F 10 |
| S 11 | 11 15 59 | 20 <sup>h</sup> 47'32  | 0 <sup>h</sup> Ω4    | 23 <sup>h</sup> 17  | 29 <sup>h</sup> 55 | 8 <sup>h</sup> 27   | 1 <sup>h</sup> 56  | 1 <sup>h</sup> 14  | 16 <sup>h</sup> 37  | 1 <sup>h</sup> 14  | 21 <sup>h</sup> 54  | 29 <sup>h</sup> D 0 | 29 <sup>h</sup> 39  | 25 <sup>h</sup> 36  | 23 <sup>h</sup> 49  | S 11 |
| S 12 | 11 19 55 | 21 <sup>h</sup> 47'20  | 13 <sup>h</sup> 17   | 24 <sup>h</sup> 20  | 1 <sup>h</sup> 8 5 | 9 <sup>h</sup> 9    | 1 <sup>h</sup> 57  | 1 <sup>h</sup> 21  | 16 <sup>h</sup> 35  | 1 <sup>h</sup> 16  | 21 <sup>h</sup> 55  | 29 <sup>h</sup> 1   | 29 <sup>h</sup> 35  | 25 <sup>h</sup> 43  | 23 <sup>h</sup> 52  | S 12 |
| M13  | 11 23 52 | 22 <sup>h</sup> 47'06  | 26 <sup>h</sup> 12   | 25 <sup>h</sup> 25  | 2 <sup>h</sup> 16  | 9 <sup>h</sup> 50   | 1 <sup>h</sup> 58  | 1 <sup>h</sup> 28  | 16 <sup>h</sup> 33  | 1 <sup>h</sup> 18  | 21 <sup>h</sup> 56  | 29 <sup>h</sup> 1   | 29 <sup>h</sup> 32  | 25 <sup>h</sup> 49  | 23 <sup>h</sup> 55  | M13  |
| T 14 | 11 27 48 | 23 <sup>h</sup> 46'51  | 8 <sup>h</sup> III48 | 26 <sup>h</sup> 32  | 3 <sup>h</sup> 26  | 10 <sup>h</sup> 32  | 1 <sup>h</sup> 59  | 1 <sup>h</sup> 35  | 16 <sup>h</sup> 31  | 1 <sup>h</sup> 20  | 21 <sup>h</sup> 56  | 29 <sup>h</sup> 2   | 29 <sup>h</sup> 29  | 25 <sup>h</sup> 56  | 23 <sup>h</sup> 58  | T 14 |
| W15  | 11 31 45 | 24 <sup>h</sup> 46'34  | 21 <sup>h</sup> 8    | 27 <sup>h</sup> 42  | 4 <sup>h</sup> 37  | 11 <sup>h</sup> 13  | 1 <sup>h</sup> 59  | 1 <sup>h</sup> 41  | 16 <sup>h</sup> 29  | 1 <sup>h</sup> 22  | 21 <sup>h</sup> 57  | 29 <sup>h</sup> 2   | 29 <sup>h</sup> 26  | 26 <sup>h</sup> 3   | 24 <sup>h</sup> 2   | W15  |
| T 16 | 11 35 41 | 25 <sup>h</sup> 46'15  | 3 <sup>h</sup> Y15   | 28 <sup>h</sup> 53  | 5 <sup>h</sup> 47  | 11 <sup>h</sup> 55  | 2 <sup>h</sup> 0   | 1 <sup>h</sup> 48  | 16 <sup>h</sup> 28  | 1 <sup>h</sup> 24  | 21 <sup>h</sup> 58  | 29 <sup>h</sup> 3   | 29 <sup>h</sup> 23  | 26 <sup>h</sup> 10  | 24 <sup>h</sup> 5   | T 16 |
| F 17 | 11 39 38 | 26 <sup>h</sup> 45'54  | 15 <sup>h</sup> 14   | 0 <sup>h</sup> Y7   | 6 <sup>h</sup> 57  | 12 <sup>h</sup> 37  | 2 <sup>h</sup> 0   | 1 <sup>h</sup> 55  | 16 <sup>h</sup> 26  | 1 <sup>h</sup> 26  | 21 <sup>h</sup> 59  | 29 <sup>h</sup> 3   | 29 <sup>h</sup> 20  | 26 <sup>h</sup> 16  | 24 <sup>h</sup> 9   | F 17 |
| S 18 | 11 43 35 | 27 <sup>h</sup> 45'32  | 27 <sup>h</sup> 7    | 1 <sup>h</sup> 22   | 8 <sup>h</sup> 7   | 13 <sup>h</sup> 18  | 2 <sup>h</sup> R 0 | 2 <sup>h</sup> 2   | 16 <sup>h</sup> 24  | 1 <sup>h</sup> 28  | 22 <sup>h</sup> 0   | 29 <sup>h</sup> R 3 | 29 <sup>h</sup> 16  | 26 <sup>h</sup> 23  | 24 <sup>h</sup> 12  | S 18 |
| S 19 | 11 47 31 | 28 <sup>h</sup> 45'08  | 9 <sup>h</sup> Ω3    | 2 <sup>h</sup> 0    | 9 <sup>h</sup> 17  | 13 <sup>h</sup> 59  | 2 <sup>h</sup> 0   | 2 <sup>h</sup> 9   | 16 <sup>h</sup> 22  | 1 <sup>h</sup> 30  | 22 <sup>h</sup> 0   | 29 <sup>h</sup> D 3 | 29 <sup>h</sup> 13  | 26 <sup>h</sup> 30  | 24 <sup>h</sup> 16  | S 19 |
| M20  | 11 51 28 | 29 <sup>h</sup> 44'42  | 20 <sup>h</sup> 59   | 3 <sup>h</sup> 59   | 10 <sup>h</sup> 26 | 14 <sup>h</sup> 41  | 2 <sup>h</sup> 0   | 2 <sup>h</sup> 16  | 16 <sup>h</sup> 20  | 1 <sup>h</sup> 32  | 22 <sup>h</sup> 1   | 29 <sup>h</sup> 3   | 29 <sup>h</sup> 10  | 26 <sup>h</sup> 36  | 24 <sup>h</sup> 19  | M20  |
| T 21 | 11 55 24 | 0 <sup>h</sup> Y44'15  | 3 <sup>h</sup> Ω6    | 5 <sup>h</sup> 20   | 11 <sup>h</sup> 36 | 15 <sup>h</sup> 22  | 1 <sup>h</sup> 59  | 2 <sup>h</sup> 22  | 16 <sup>h</sup> 19  | 1 <sup>h</sup> 34  | 22 <sup>h</sup> 2   | 29 <sup>h</sup> 3   | 29 <sup>h</sup> 7   | 26 <sup>h</sup> 43  | 24 <sup>h</sup> 22  | T 21 |
| W22  | 11 59 21 | 1 <sup>h</sup> 43'45   | 15 <sup>h</sup> 26   | 6 <sup>h</sup> 42   | 12 <sup>h</sup> 45 | 16 <sup>h</sup> 4   | 1 <sup>h</sup> 58  | 2 <sup>h</sup> 29  | 16 <sup>h</sup> 17  | 1 <sup>h</sup> 36  | 22 <sup>h</sup> 3   | 29 <sup>h</sup> 3   | 29 <sup>h</sup> 4   | 26 <sup>h</sup> 50  | 24 <sup>h</sup> 26  | W22  |
| T 23 | 12 3 17  | 2 <sup>h</sup> 43'14   | 28 <sup>h</sup> 2    | 8 <sup>h</sup> 6    | 13 <sup>h</sup> 54 | 16 <sup>h</sup> 45  | 1 <sup>h</sup> 57  | 2 <sup>h</sup> 36  | 16 <sup>h</sup> 16  | 1 <sup>h</sup> 38  | 22 <sup>h</sup> 4   | 29 <sup>h</sup> 4   | 29 <sup>h</sup> 0   | 26 <sup>h</sup> 57  | 24 <sup>h</sup> 29  | T 23 |
| F 24 | 12 7 14  | 3 <sup>h</sup> 42'41   | 10 <sup>h</sup> Y56  | 9 <sup>h</sup> 32   | 15 <sup>h</sup> 3  | 17 <sup>h</sup> 26  | 1 <sup>h</sup> 56  | 2 <sup>h</sup> 42  | 16 <sup>h</sup> 14  | 1 <sup>h</sup> 40  | 22 <sup>h</sup> 5   | 29 <sup>h</sup> 4   | 28 <sup>h</sup> 57  | 27 <sup>h</sup> 3   | 24 <sup>h</sup> 33  | F 24 |
| S 25 | 12 11 10 | 4 <sup>h</sup> 42'05   | 24 <sup>h</sup> 10   | 10 <sup>h</sup> 59  | 16 <sup>h</sup> 12 | 18 <sup>h</sup> 7   | 1 <sup>h</sup> 55  | 2 <sup>h</sup> 49  | 16 <sup>h</sup> 13  | 1 <sup>h</sup> 42  | 22 <sup>h</sup> 6   | 29 <sup>h</sup> R 4 | 28 <sup>h</sup> 54  | 27 <sup>h</sup> 10  | 24 <sup>h</sup> 37  | S 25 |
| S 26 | 12 15 7  | 5 <sup>h</sup> 41'28   | 7 <sup>h</sup> Y42   | 12 <sup>h</sup> 28  | 17 <sup>h</sup> 21 | 18 <sup>h</sup> 49  | 1 <sup>h</sup> 54  | 2 <sup>h</sup> 55  | 16 <sup>h</sup> 11  | 1 <sup>h</sup> 44  | 22 <sup>h</sup> 7   | 29 <sup>h</sup> 4   | 28 <sup>h</sup> 51  | 27 <sup>h</sup> 17  | 24 <sup>h</sup> 40  | S 26 |
| M27  | 12 19 4  | 6 <sup>h</sup> 40'49   | 21 <sup>h</sup> 31   | 13 <sup>h</sup> 58  | 18 <sup>h</sup> 30 | 19 <sup>h</sup> 30  | 1 <sup>h</sup> 52  | 3 <sup>h</sup> 2   | 16 <sup>h</sup> 10  | 1 <sup>h</sup> 46  | 22 <sup>h</sup> 8   | 29 <sup>h</sup> 4   | 28 <sup>h</sup> 48  | 27 <sup>h</sup> 23  | 24 <sup>h</sup> 44  | M27  |
| T 28 | 12 23 0  | 7 <sup>h</sup> 40'08   | 5 <sup>h</sup> Y34   | 15 <sup>h</sup> 30  | 19 <sup>h</sup> 38 | 20 <sup>h</sup> 11  | 1 <sup>h</sup> 50  | 3 <sup>h</sup> 8   | 16 <sup>h</sup> 8   | 1 <sup>h</sup> 48  | 22 <sup>h</sup> 9   | 29 <sup>h</sup> 3   | 28 <sup>h</sup> 45  | 27 <sup>h</sup> 30  | 24 <sup>h</sup> 47  | T 28 |
| W29  | 12 26 57 | 8 <sup>h</sup> 39'24   | 19 <sup>h</sup> 46   | 17 <sup>h</sup> 3   | 20 <sup>h</sup> 47 | 20 <sup>h</sup> 52  | 1 <sup>h</sup> 48  | 3 <sup>h</sup> 15  | 16 <sup>h</sup> 7   | 1 <sup>h</sup> 50  | 22 <sup>h</sup> 10  | 29 <sup>h</sup> 2   | 28 <sup>h</sup> 41  | 27 <sup>h</sup> 37  | 24 <sup>h</sup> 51  | W29  |
| T 30 | 12 30 53 | 9 <sup>h</sup> 38'38   | 4 <sup>h</sup> II4   | 18 <sup>h</sup> 37  | 21 <sup>h</sup> 55 | 21 <sup>h</sup> 33  | 1 <sup>h</sup> 46  | 3 <sup>h</sup> 21  | 16 <sup>h</sup> 6   | 1 <sup>h</sup> 52  | 22 <sup>h</sup> 11  | 29 <sup>h</sup> 1   | 28 <sup>h</sup> 38  | 27 <sup>h</sup> 44  | 24 <sup>h</sup> 55  | T 30 |
| F 31 | 12 34 50 | 10 <sup>h</sup> Y37'50 | 18 <sup>h</sup> II24 | 20 <sup>h</sup> Y13 | 23 <sup>h</sup> Y3 | 22 <sup>h</sup> Y14 | 1 <sup>h</sup> 44  | 3 <sup>h</sup> Y27 | 16 <sup>h</sup> Ω5  | 1 <sup>h</sup> Y54 | 22 <sup>h</sup> Y12 | 28 <sup>h</sup> Y59 | 28 <sup>h</sup> Y35 | 27 <sup>h</sup> Y50 | 24 <sup>h</sup> Y58 | F 31 |

| Day  | ☉    | ☾     |      | ♀     |      | ♀     |      | ♂     |      | ♂     |      | ♂     |      | ♂     |      | ♂     |      | ♂    |       | ♂    |      | ♂     |       | ♂    |     | ♂    |     | ♂    |     | ♂    |     | ♂    |     | ♂    |     |
|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|------|------|-------|-------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
|      | decl | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat   | decl | lat  | decl  | lat   | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| W 1  | 7s31 | 17n53 | 3n25 | 15s 4 | 1n 5 | 7n 3  | 0s 2 | 12n19 | 0n20 | 19s29 | 1n 1 | 12s43 | 1s21 | 16n27 | 0n44 | 10n12 | 1s44 | 4n28 | 14s13 | 0s22 | 0n 4 | 28s27 | 9n25  | 0n24 |     |      |     |      |     |      |     |      |     |      |     |
| T 2  | 7 9  | 22 46 | 4 16 | 15 9  | 0 52 | 7 33  | 0n 1 | 12 34 | 0 21 | 19 30 | 1 1  | 12 41 | 1 21 | 16 28 | 0 44 | 10 12 | 1 44 | 4 29 | 14 12 | 0 21 | 0 3  | 28 28 | 9 26  | 0 24 |     |      |     |      |     |      |     |      |     |      |     |
| F 3  | 6 46 | 26 23 | 4 53 | 15 11 | 0 40 | 8 3   | 0 5  | 12 49 | 0 22 | 19 30 | 1 2  | 12 38 | 1 21 | 16 29 | 0 44 | 10 13 | 1 44 | 4 29 | 14 12 | 0 21 | 0 2  | 28 28 | 9 27  | 0 24 |     |      |     |      |     |      |     |      |     |      |     |
| S 4  | 6 23 | 28 24 | 5 13 | 15 12 | 0 27 | 8 34  | 0 8  | 13 4  | 0 22 | 19 31 | 1 2  | 12 36 | 1 21 | 16 30 | 0 44 | 10 14 | 1 44 | 4 30 | 14 12 | 0 21 | 0 0  | 28 29 | 9 28  | 0 23 |     |      |     |      |     |      |     |      |     |      |     |
| S 5  | 5 59 | 28 33 | 5 13 | 15 11 | 0 15 | 9 4   | 0 12 | 13 19 | 0 23 | 19 31 | 1 2  | 12 34 | 1 21 | 16 30 | 0 44 | 10 14 | 1 44 | 4 30 | 14 12 | 0 21 | 0s 1 | 28 29 | 9 30  | 0 23 |     |      |     |      |     |      |     |      |     |      |     |
| M 6  | 5 36 | 26 48 | 4 55 | 15 9  | 0 4  | 9 33  | 0 15 | 13 34 | 0 24 | 19 31 | 1 2  | 12 31 | 1 21 | 16 31 | 0 44 | 10 15 | 1 43 | 4 31 | 14 11 | 0 22 | 0 2  | 28 29 | 9 31  | 0 23 |     |      |     |      |     |      |     |      |     |      |     |
| T 7  | 5 13 | 23 19 | 4 18 | 15 4  | 0s 7 | 10 3  | 0 19 | 13 48 | 0 24 | 19 32 | 1 2  | 12 29 | 1 21 | 16 32 | 0 44 | 10 15 | 1 43 | 4 31 | 14 11 | 0 22 | 0 3  | 28 30 | 9 32  | 0 23 |     |      |     |      |     |      |     |      |     |      |     |
| W 8  | 4 50 | 18 29 | 3 25 | 14 58 | 0 18 | 10 32 | 0 23 | 14 3  | 0 25 | 19 32 | 1 2  | 12 26 | 1 21 | 16 32 | 0 44 | 10 16 | 1 43 | 4 31 | 14 11 | 0 23 | 0 5  | 28 30 | 9 33  | 0 23 |     |      |     |      |     |      |     |      |     |      |     |
| T 9  | 4 26 | 12 42 | 2 20 | 14 51 | 0 28 | 11 1  | 0 26 | 14 17 | 0 26 | 19 32 | 1 2  | 12 24 | 1 21 | 16 33 | 0 44 | 10 17 | 1 43 | 4 32 | 14 10 | 0 23 | 0 6  | 28 30 | 9 34  | 0 23 |     |      |     |      |     |      |     |      |     |      |     |
| F 10 | 4 3  | 6 23  | 1 9  | 14 42 | 0 38 | 11 30 | 0 30 | 14 31 | 0 27 | 19 32 | 1 2  | 12 21 | 1 21 | 16 33 | 0 44 | 10 17 | 1 43 | 4 32 | 14 10 | 0 24 | 0 7  | 28 31 | 9 35  | 0 23 |     |      |     |      |     |      |     |      |     |      |     |
| S 11 | 3 39 | 0s 7  | 0s 6 | 14 31 | 0 48 | 11 59 | 0 34 | 14 46 | 0 27 | 19 33 | 1 2  | 12 19 | 1 22 | 16 34 | 0 44 | 10 18 | 1 43 | 4 33 | 14 10 | 0 24 | 0 9  | 28 31 | 9 36  | 0 23 |     |      |     |      |     |      |     |      |     |      |     |
| S 12 | 3 16 | 6 27  | 1 18 | 14 19 | 0 57 | 12 27 | 0 38 | 15 0  | 0 28 | 19 33 | 1 3  | 12 17 | 1 22 | 16 35 | 0 44 | 10 19 | 1 43 | 4 33 | 14 10 | 0 24 | 0 10 | 28 31 | 9 37  | 0 23 |     |      |     |      |     |      |     |      |     |      |     |
| M13  | 2 52 | 12 22 | 2 25 | 14 5  | 1 5  | 12 55 | 0 41 | 15 13 | 0 28 | 19 33 | 1 3  | 12 14 | 1 22 | 16 35 | 0 44 | 10 19 | 1 43 | 4 34 | 14 9  | 0 23 | 0 11 | 28 31 | 9 38  | 0 23 |     |      |     |      |     |      |     |      |     |      |     |
| T 14 | 2 28 | 17 39 | 3 23 | 13 50 | 1 14 | 13 23 | 0 45 | 15 27 | 0 29 | 19 33 | 1 3  | 12 12 | 1 22 | 16 36 | 0 44 | 10 20 | 1 43 | 4 34 | 14 9  | 0 23 | 0 12 | 28 32 | 9 40  | 0 23 |     |      |     |      |     |      |     |      |     |      |     |
| W15  | 2 5  | 22 5  | 4 10 | 13 33 | 1 21 | 13 50 | 0 49 | 15 41 | 0 30 | 19 33 | 1 3  | 12 9  | 1 22 | 16 36 | 0 44 | 10 21 | 1 43 | 4 35 | 14 9  | 0 23 | 0 14 | 28 32 | 9 41  | 0 23 |     |      |     |      |     |      |     |      |     |      |     |
| T 16 | 1 41 | 25 29 | 4 45 | 13 15 | 1 29 | 14 17 | 0 53 | 15 54 | 0 30 | 19 33 | 1 3  | 12 7  | 1 22 | 16 37 | 0 44 | 10 21 | 1 43 | 4 35 | 14 8  | 0 23 | 0 15 | 28 32 | 9 42  | 0 22 |     |      |     |      |     |      |     |      |     |      |     |
| F 17 | 1 17 | 27 44 | 5 8  | 12 56 | 1 36 | 14 44 | 0 57 | 16 8  | 0 31 | 19 33 | 1 3  | 12 5  | 1 22 | 16 37 | 0 44 | 10 22 | 1 43 | 4 36 | 14 8  | 0 23 | 0 16 | 28 32 | 9 43  | 0 22 |     |      |     |      |     |      |     |      |     |      |     |
| S 18 | 0 54 | 28 42 | 5 17 | 12 35 | 1 42 | 15 11 | 1 0  | 16 21 | 0 32 | 19 33 | 1 3  | 12 2  | 1 22 | 16 38 | 0 44 | 10 23 | 1 43 | 4 36 | 14 8  | 0 23 | 0 17 | 28 33 | 9 44  | 0 22 |     |      |     |      |     |      |     |      |     |      |     |
| S 19 | 0 30 | 28 20 | 5 12 | 12 13 | 1 48 | 15 37 | 1 4  | 16 34 | 0 32 | 19 33 | 1 3  | 12 0  | 1 22 | 16 38 | 0 44 | 10 24 | 1 43 | 4 36 | 14 8  | 0 23 | 0 19 | 28 33 | 9 45  | 0 22 |     |      |     |      |     |      |     |      |     |      |     |
| M20  | 0 6  | 26 40 | 4 54 | 11 49 | 1 53 | 16 2  | 1 8  | 16 47 | 0 33 | 19 32 | 1 3  | 11 58 | 1 23 | 16 39 | 0 44 | 10 24 | 1 43 | 4 37 | 14 7  | 0 23 | 0 20 | 28 33 | 9 47  | 0 22 |     |      |     |      |     |      |     |      |     |      |     |
| T 21 | 0n18 | 23 44 | 4 23 | 11 24 | 1 59 | 16 28 | 1 12 | 16 59 | 0 33 | 19 32 | 1 4  | 11 55 | 1 23 | 16 39 | 0 44 | 10 25 | 1 43 | 4 37 | 14 7  | 0 23 | 0 21 | 28 33 | 9 48  | 0 22 |     |      |     |      |     |      |     |      |     |      |     |
| W22  | 0 41 | 19 42 | 3 39 | 10 58 | 2 3  | 16 53 | 1 16 | 17 12 | 0 34 | 19 32 | 1 4  | 11 53 | 1 23 | 16 40 | 0 44 | 10 26 | 1 43 | 4 38 | 14 7  | 0 23 | 0 22 | 28 34 | 9 49  | 0 22 |     |      |     |      |     |      |     |      |     |      |     |
| T 23 | 1 5  | 14 43 | 2 44 | 10 30 | 2 7  | 17 17 | 1 20 | 17 24 | 0 35 | 19 32 | 1 4  | 11 51 | 1 23 | 16 40 | 0 44 | 10 26 | 1 43 | 4 38 | 14 7  | 0 22 | 0 24 | 28 34 | 9 50  | 0 22 |     |      |     |      |     |      |     |      |     |      |     |
| F 24 | 1 29 | 9 0   | 1 39 | 10 1  | 2 11 | 17 42 | 1 23 | 17 37 | 0 35 | 19 31 | 1 4  | 11 49 | 1 23 | 16 41 | 0 44 | 10 27 | 1 43 | 4 39 | 14 6  | 0 22 | 0 25 | 28 34 | 9 51  | 0 22 |     |      |     |      |     |      |     |      |     |      |     |
| S 25 | 1 52 | 2 44  | 0 27 | 9 31  | 2 14 | 18 5  | 1 27 | 17 49 | 0 36 | 19 31 | 1 4  | 11 46 | 1 23 | 16 41 | 0 44 | 10 28 | 1 43 | 4 39 | 14 6  | 0 22 | 0 26 | 28 34 | 9 53  | 0 22 |     |      |     |      |     |      |     |      |     |      |     |
| S 26 | 2 16 | 3n47  | 0n48 | 9 0   | 2 17 | 18 29 | 1 31 | 18 1  | 0 36 | 19 31 | 1 4  | 11 44 | 1 23 | 16 42 | 0 44 | 10 29 | 1 43 | 4 40 | 14 6  | 0 22 | 0 27 | 28 34 | 9 54  | 0 22 |     |      |     |      |     |      |     |      |     |      |     |
| M27  | 2 39 | 10 16 | 2 1  | 8 27  | 2 20 | 18 52 | 1 35 | 18 13 | 0 37 | 19 30 | 1 4  | 11 42 | 1 23 | 16 42 | 0 44 | 10 29 | 1 43 | 4 40 | 14 6  | 0 22 | 0 29 | 28 35 | 9 55  | 0 22 |     |      |     |      |     |      |     |      |     |      |     |
| T 28 | 3 3  | 16 21 | 3 9  | 7 54  | 2 21 | 19 14 | 1 38 | 18 24 | 0 37 | 19 30 | 1 4  | 11 40 | 1 24 | 16 42 | 0 44 | 10 30 | 1 43 | 4 41 | 14 5  | 0 23 | 0 30 | 28 35 | 9 56  | 0 21 |     |      |     |      |     |      |     |      |     |      |     |
| W29  | 3 26 | 21 37 | 4 5  | 7 19  | 2 23 | 19 36 | 1 42 | 18 36 | 0 38 | 19 29 | 1 4  | 11 37 | 1 24 | 16 43 | 0 44 | 10 31 | 1 43 | 4 41 | 14 5  | 0 23 | 0 31 | 28 35 | 9 58  | 0 21 |     |      |     |      |     |      |     |      |     |      |     |
| T 30 | 3 49 | 25 40 | 4 47 | 6 43  | 2 24 | 19 56 | 1 46 | 18 47 | 0 38 | 19 29 | 1 4  | 11 35 | 1 24 | 16 43 | 0 44 | 10 32 | 1 43 | 4 42 | 14 5  | 0 24 | 0 33 | 28 35 | 9 59  | 0 21 |     |      |     |      |     |      |     |      |     |      |     |
| F 31 | 4n13 | 28n 7 | 5n11 | 6s 5  | 2s24 | 20n19 | 1n49 | 18n58 | 0n39 | 19s28 | 1n 5 | 11s33 | 1s24 | 16n43 | 0n44 | 10n32 | 1s43 | 4n42 | 14s 5 | 0s24 | 0s34 | 28s35 | 10n 0 | 0n21 |     |      |     |      |     |      |     |      |     |      |     |

## ASTRODIENST EPHEMERIS for the year 1876

geocentric

APRIL 1876

00:00 UT

| Day  | Sid.t    | ☉        | ☽       | ♂     | ♀       | ♂       | ♂      | ♂    | ♂      | ♂    | ♂     | ♂      | ♂     | ♂     | ♂      | Day  |
|------|----------|----------|---------|-------|---------|---------|--------|------|--------|------|-------|--------|-------|-------|--------|------|
| S 1  | 12 38 46 | 11°37'00 | 2°41    | 21°51 | 24°11   | 22°55   | 1°R41  | 3°34 | 16°R 3 | 1°56 | 22°13 | 28°R59 | 28°32 | 27°57 | 25°V 2 | S 1  |
| S 2  | 12 42 43 | 12°36'08 | 16°53   | 23°30 | 25°18   | 23°36   | 1°38   | 3°40 | 16°R 2 | 1°59 | 22°14 | 28°D59 | 28°29 | 28° 4 | 25° 6  | S 2  |
| M 3  | 12 46 39 | 13°35'13 | 0°58    | 25°10 | 26°26   | 24°17   | 1°36   | 3°46 | 16° 1  | 2° 1 | 22°15 | 28°R59 | 28°26 | 28°11 | 25° 9  | M 3  |
| T 4  | 12 50 36 | 14°34'15 | 14°53   | 26°52 | 27°33   | 24°58   | 1°33   | 3°52 | 16° 0  | 2° 3 | 22°16 | 29° 0  | 28°22 | 28°17 | 25°13  | T 4  |
| W 5  | 12 54 33 | 15°33'15 | 28°38   | 28°35 | 28°40   | 25°39   | 1°29   | 3°58 | 15°59  | 2° 5 | 22°17 | 29° 1  | 28°19 | 28°24 | 25°17  | W 5  |
| T 6  | 12 58 29 | 16°32'13 | 12°12   | 0°V20 | 29°47   | 26°20   | 1°26   | 4° 4 | 15°58  | 2° 7 | 22°19 | 29° 3  | 28°16 | 28°31 | 25°20  | T 6  |
| F 7  | 13 2 26  | 17°31'09 | 25°34   | 2° 6  | 0°II54  | 27° 1   | 1°22   | 4°10 | 15°58  | 2° 9 | 22°20 | 29°R 3 | 28°13 | 28°37 | 25°24  | F 7  |
| S 8  | 13 6 22  | 18°30'02 | 8°42    | 3°53  | 2° 0    | 27°41   | 1°19   | 4°16 | 15°57  | 2°12 | 22°21 | 29° 3  | 28°10 | 28°44 | 25°28  | S 8  |
| S 9  | 13 10 19 | 19°28'54 | 21°38   | 5°42  | 3° 6    | 28°22   | 1°15   | 4°22 | 15°56  | 2°14 | 22°22 | 29° 2  | 28° 6 | 28°51 | 25°32  | S 9  |
| M10  | 13 14 15 | 20°27'44 | 4°18    | 7°33  | 4°12    | 29° 3   | 1°11   | 4°28 | 15°55  | 2°16 | 22°23 | 28°59  | 28° 3 | 28°58 | 25°35  | M10  |
| T 11 | 13 18 12 | 21°26'31 | 16°48   | 9°25  | 5°18    | 29°44   | 1° 6   | 4°33 | 15°55  | 2°18 | 22°24 | 28°56  | 28° 0 | 29° 4 | 25°39  | T 11 |
| W12  | 13 22 8  | 22°25'17 | 29° 4   | 11°19 | 6°24    | 0°II24  | 1° 2   | 4°39 | 15°54  | 2°21 | 22°25 | 28°52  | 27°57 | 29°11 | 25°43  | W12  |
| T 13 | 13 26 5  | 23°24'01 | 11°10   | 13°14 | 7°29    | 1° 5    | 0°57   | 4°45 | 15°53  | 2°23 | 22°27 | 28°48  | 27°54 | 29°18 | 25°47  | T 13 |
| F 14 | 13 30 2  | 24°22'43 | 23° 8   | 15°11 | 8°34    | 1°45    | 0°53   | 4°50 | 15°53  | 2°25 | 22°28 | 28°45  | 27°51 | 29°25 | 25°50  | F 14 |
| S 15 | 13 33 58 | 25°21'24 | 5°3     | 17° 9 | 9°39    | 2°26    | 0°48   | 4°56 | 15°52  | 2°27 | 22°29 | 28°42  | 27°47 | 29°31 | 25°54  | S 15 |
| S 16 | 13 37 55 | 26°20'03 | 16°55   | 19° 9 | 10°44   | 3° 6    | 0°43   | 5° 1 | 15°52  | 2°30 | 22°30 | 28°40  | 27°44 | 29°38 | 25°58  | S 16 |
| M17  | 13 41 51 | 27°18'40 | 28°52   | 21°10 | 11°48   | 3°47    | 0°38   | 5° 7 | 15°52  | 2°32 | 22°32 | 28°D40 | 27°41 | 29°45 | 26° 2  | M17  |
| T 18 | 13 45 48 | 28°17'15 | 10°57   | 23°12 | 12°52   | 4°27    | 0°32   | 5°12 | 15°51  | 2°34 | 22°33 | 28°41  | 27°38 | 29°51 | 26° 5  | T 18 |
| W19  | 13 49 44 | 29°15'49 | 23°17   | 25°16 | 13°56   | 5° 8    | 0°27   | 5°17 | 15°51  | 2°36 | 22°34 | 28°42  | 27°35 | 29°58 | 26° 9  | W19  |
| T 20 | 13 53 41 | 0°14'21  | 5°14    | 27°21 | 15° 0   | 5°48    | 0°21   | 5°23 | 15°51  | 2°39 | 22°35 | 28°44  | 27°32 | 0°3   | 26°13  | T 20 |
| F 21 | 13 57 37 | 1°12'51  | 18°52   | 29°27 | 16° 3   | 6°28    | 0°16   | 5°28 | 15°51  | 2°41 | 22°37 | 28°45  | 27°28 | 0°12  | 26°17  | F 21 |
| S 22 | 14 1 34  | 2°11'20  | 2°V15   | 1°34  | 17° 6   | 7° 9    | 0°10   | 5°33 | 15°51  | 2°43 | 22°38 | 28°R45 | 27°25 | 0°18  | 26°20  | S 22 |
| S 23 | 14 5 31  | 3° 9'47  | 16° 2   | 3°42  | 18° 9   | 7°49    | 0° 4   | 5°38 | 15°D51 | 2°45 | 22°39 | 28°44  | 27°22 | 0°25  | 26°24  | S 23 |
| M24  | 14 9 27  | 4° 8'12  | 0°12    | 5°50  | 19°11   | 8°29    | 29°M58 | 5°43 | 15°51  | 2°48 | 22°40 | 28°41  | 27°19 | 0°32  | 26°28  | M24  |
| T 25 | 14 13 24 | 5° 6'35  | 14°40   | 7°59  | 20°13   | 9° 9    | 29°51  | 5°47 | 15°51  | 2°50 | 22°42 | 28°37  | 27°16 | 0°38  | 26°32  | T 25 |
| W26  | 14 17 20 | 6° 4'57  | 29°21   | 10° 8 | 21°15   | 9°50    | 29°45  | 5°52 | 15°51  | 2°52 | 22°43 | 28°32  | 27°12 | 0°45  | 26°35  | W26  |
| T 27 | 14 21 17 | 7° 3'16  | 14°II 6 | 12°17 | 22°17   | 10°30   | 29°39  | 5°57 | 15°51  | 2°54 | 22°44 | 28°26  | 27° 9 | 0°52  | 26°39  | T 27 |
| F 28 | 14 25 13 | 8° 1'34  | 28°49   | 14°25 | 23°18   | 11°10   | 29°32  | 6° 2 | 15°52  | 2°57 | 22°46 | 28°21  | 27° 6 | 0°59  | 26°43  | F 28 |
| S 29 | 14 29 10 | 8°59'50  | 13°523  | 16°33 | 24°18   | 11°50   | 29°25  | 6° 6 | 15°52  | 2°59 | 22°47 | 28°17  | 27° 3 | 1° 5  | 26°46  | S 29 |
| S 30 | 14 33 6  | 9°58'03  | 27°543  | 18°39 | 25°II19 | 12°II30 | 29°M19 | 6°11 | 15°52  | 3° 1 | 22°48 | 28°14  | 27° 0 | 1°32  | 26°50  | S 30 |

| Day  | ☉     | ☾     |      | ♀     |      | ♀     |      | ♂     |      | ♂     |      | ♂     |      | ♂     |      | ♂     |      | ♂    |       | ♂    |      | ♂     |       | ♂    |     | ♂    |     |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|------|------|-------|-------|------|-----|------|-----|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat   | decl | lat  | decl  | lat   | decl | lat | decl | lat |
| S 1  | 4n36  | 28n41 | 5n15 | 5s27  | 2s24 | 20n39 | 1n53 | 19n 9 | 0n39 | 19s28 | 1n 5 | 11s31 | 1s24 | 16n44 | 0n43 | 10n33 | 1s43 | 4n42 | 14s 5 | 0s24 | 0s35 | 28s35 | 10n 2 | 0n21 |     |      |     |
| S 2  | 4 59  | 27 22 | 5 1  | 4 47  | 2 24 | 21 0  | 1 57 | 19 20 | 0 40 | 19 27 | 1 5  | 11 29 | 1 24 | 16 44 | 0 43 | 10 34 | 1 43 | 4 43 | 14 4  | 0 24 | 0 36 | 28 35 | 10 3  | 0 21 |     |      |     |
| M 3  | 5 22  | 24 19 | 4 28 | 4 6   | 2 23 | 21 19 | 2 0  | 19 31 | 0 40 | 19 26 | 1 5  | 11 27 | 1 24 | 16 44 | 0 43 | 10 35 | 1 43 | 4 43 | 14 4  | 0 24 | 0 38 | 28 35 | 10 4  | 0 21 |     |      |     |
| T 4  | 5 45  | 19 53 | 3 40 | 3 25  | 2 21 | 21 38 | 2 4  | 19 41 | 0 41 | 19 26 | 1 5  | 11 25 | 1 25 | 16 45 | 0 43 | 10 35 | 1 43 | 4 44 | 14 4  | 0 24 | 0 39 | 28 36 | 10 5  | 0 21 |     |      |     |
| W 5  | 6 8   | 14 28 | 2 40 | 2 42  | 2 19 | 21 57 | 2 7  | 19 52 | 0 41 | 19 25 | 1 5  | 11 23 | 1 25 | 16 45 | 0 43 | 10 36 | 1 43 | 4 44 | 14 4  | 0 23 | 0 40 | 28 36 | 10 7  | 0 21 |     |      |     |
| T 6  | 6 30  | 8 24  | 1 32 | 1 58  | 2 17 | 22 15 | 2 11 | 20 2  | 0 42 | 19 24 | 1 5  | 11 20 | 1 25 | 16 45 | 0 43 | 10 37 | 1 43 | 4 45 | 14 3  | 0 23 | 0 41 | 28 36 | 10 8  | 0 21 |     |      |     |
| F 7  | 6 53  | 2 4   | 0 19 | 1 13  | 2 14 | 22 32 | 2 14 | 20 12 | 0 42 | 19 23 | 1 5  | 11 18 | 1 25 | 16 45 | 0 43 | 10 38 | 1 43 | 4 45 | 14 3  | 0 23 | 0 43 | 28 36 | 10 9  | 0 21 |     |      |     |
| S 8  | 7 15  | 4s16  | 0s53 | 0 27  | 2 10 | 22 49 | 2 18 | 20 21 | 0 43 | 19 23 | 1 5  | 11 16 | 1 25 | 16 45 | 0 43 | 10 38 | 1 43 | 4 46 | 14 3  | 0 23 | 0 44 | 28 36 | 10 10 | 0 21 |     |      |     |
| S 9  | 7 38  | 10 19 | 2 1  | 0n20  | 2 6  | 23 6  | 2 21 | 20 31 | 0 43 | 19 22 | 1 5  | 11 14 | 1 25 | 16 46 | 0 43 | 10 39 | 1 43 | 4 46 | 14 3  | 0 23 | 0 45 | 28 36 | 10 12 | 0 21 |     |      |     |
| M10  | 8 0   | 15 49 | 3 2  | 1 8   | 2 2  | 23 22 | 2 24 | 20 41 | 0 44 | 19 21 | 1 5  | 11 12 | 1 25 | 16 46 | 0 43 | 10 40 | 1 43 | 4 47 | 14 3  | 0 24 | 0 46 | 28 36 | 10 13 | 0 20 |     |      |     |
| T 11 | 8 22  | 20 35 | 3 53 | 1 57  | 1 57 | 23 37 | 2 27 | 20 50 | 0 44 | 19 20 | 1 5  | 11 10 | 1 26 | 16 46 | 0 43 | 10 41 | 1 43 | 4 47 | 14 3  | 0 25 | 0 48 | 28 36 | 10 14 | 0 20 |     |      |     |
| W12  | 8 44  | 24 23 | 4 32 | 2 46  | 1 51 | 23 52 | 2 30 | 20 59 | 0 45 | 19 19 | 1 5  | 11 9  | 1 26 | 16 46 | 0 43 | 10 41 | 1 43 | 4 47 | 14 2  | 0 27 | 0 49 | 28 36 | 10 16 | 0 20 |     |      |     |
| T 13 | 9 6   | 27 4  | 4 59 | 3 37  | 1 45 | 24 6  | 2 33 | 21 8  | 0 45 | 19 18 | 1 5  | 11 7  | 1 26 | 16 46 | 0 43 | 10 42 | 1 43 | 4 48 | 14 2  | 0 29 | 0 50 | 28 36 | 10 17 | 0 20 |     |      |     |
| F 14 | 9 27  | 28 28 | 5 12 | 4 28  | 1 39 | 24 20 | 2 36 | 21 17 | 0 46 | 19 17 | 1 6  | 11 5  | 1 26 | 16 46 | 0 43 | 10 43 | 1 43 | 4 48 | 14 2  | 0 30 | 0 52 | 28 36 | 10 18 | 0 20 |     |      |     |
| S 15 | 9 49  | 28 33 | 5 11 | 5 20  | 1 32 | 24 33 | 2 39 | 21 25 | 0 46 | 19 16 | 1 6  | 11 3  | 1 26 | 16 47 | 0 43 | 10 44 | 1 43 | 4 49 | 14 2  | 0 31 | 0 53 | 28 36 | 10 20 | 0 20 |     |      |     |
| S 16 | 10 10 | 27 18 | 4 58 | 6 12  | 1 24 | 24 45 | 2 42 | 21 33 | 0 47 | 19 15 | 1 6  | 11 1  | 1 26 | 16 47 | 0 43 | 10 45 | 1 43 | 4 49 | 14 2  | 0 32 | 0 54 | 28 36 | 10 21 | 0 20 |     |      |     |
| M17  | 10 31 | 24 49 | 4 31 | 7 5   | 1 16 | 24 57 | 2 45 | 21 42 | 0 47 | 19 14 | 1 6  | 10 59 | 1 27 | 16 47 | 0 43 | 10 45 | 1 42 | 4 50 | 14 2  | 0 32 | 0 55 | 28 36 | 10 22 | 0 20 |     |      |     |
| T 18 | 10 52 | 21 13 | 3 52 | 7 58  | 1 8  | 25 8  | 2 48 | 21 50 | 0 47 | 19 13 | 1 6  | 10 57 | 1 27 | 16 47 | 0 43 | 10 46 | 1 42 | 4 50 | 14 1  | 0 32 | 0 57 | 28 36 | 10 23 | 0 20 |     |      |     |
| W19  | 11 13 | 16 38 | 3 2  | 8 52  | 0 59 | 25 19 | 2 50 | 21 57 | 0 48 | 19 11 | 1 6  | 10 56 | 1 27 | 16 47 | 0 43 | 10 47 | 1 42 | 4 51 | 14 1  | 0 31 | 0 58 | 28 36 | 10 25 | 0 20 |     |      |     |
| T 20 | 11 34 | 11 14 | 2 2  | 9 46  | 0 50 | 25 29 | 2 53 | 22 5  | 0 48 | 19 10 | 1 6  | 10 54 | 1 27 | 16 47 | 0 43 | 10 48 | 1 42 | 4 51 | 14 1  | 0 30 | 0 59 | 28 36 | 10 26 | 0 20 |     |      |     |
| F 21 | 11 54 | 5 14  | 0 54 | 10 39 | 0 40 | 25 38 | 2 55 | 22 12 | 0 49 | 19 9  | 1 6  | 10 52 | 1 27 | 16 47 | 0 43 | 10 48 | 1 42 | 4 51 | 14 1  | 0 30 | 1 0  | 28 36 | 10 27 | 0 20 |     |      |     |
| S 22 | 12 15 | 1n11  | 0n19 | 11 33 | 0 30 | 25 47 | 2 58 | 22 20 | 0 49 | 19 8  | 1 6  | 10 50 | 1 27 | 16 47 | 0 43 | 10 49 | 1 42 | 4 52 | 14 1  | 0 30 | 1 2  | 28 36 | 10 29 | 0 20 |     |      |     |
| S 23 | 12 35 | 7 44  | 1 33 | 12 27 | 0 20 | 25 55 | 3 0  | 22 27 | 0 50 | 19 6  | 1 6  | 10 49 | 1 28 | 16 47 | 0 43 | 10 50 | 1 42 | 4 52 | 14 1  | 0 30 | 1 3  | 28 36 | 10 30 | 0 19 |     |      |     |
| M24  | 12 54 | 14 5  | 2 43 | 13 19 | 0 10 | 26 3  | 3 2  | 22 34 | 0 50 | 19 5  | 1 6  | 10 47 | 1 28 | 16 47 | 0 43 | 10 51 | 1 42 | 4 53 | 14 1  | 0 31 | 1 4  | 28 36 | 10 31 | 0 19 |     |      |     |
| T 25 | 13 14 | 19 49 | 3 44 | 14 12 | 0n 1 | 26 10 | 3 4  | 22 40 | 0 50 | 19 4  | 1 6  | 10 45 | 1 28 | 16 47 | 0 43 | 10 52 | 1 42 | 4 53 | 14 0  | 0 33 | 1 5  | 28 36 | 10 32 | 0 19 |     |      |     |
| W26  | 13 34 | 24 26 | 4 31 | 15 3  | 0 11 | 26 16 | 3 6  | 22 47 | 0 51 | 19 2  | 1 6  | 10 44 | 1 28 | 16 47 | 0 43 | 10 52 | 1 42 | 4 54 | 14 0  | 0 35 | 1 7  | 28 35 | 10 34 | 0 19 |     |      |     |
| T 27 | 13 53 | 27 29 | 5 0  | 15 53 | 0 22 | 26 22 | 3 8  | 22 53 | 0 51 | 19 1  | 1 6  | 10 42 | 1 28 | 16 46 | 0 43 | 10 53 | 1 42 | 4 54 | 14 0  | 0 37 | 1 8  | 28 35 | 10 35 | 0 19 |     |      |     |
| F 28 | 14 12 | 28 37 | 5 10 | 16 42 | 0 33 | 26 27 | 3 10 | 22 59 | 0 51 | 19 0  | 1 6  | 10 41 | 1 29 | 16 46 | 0 43 | 10 54 | 1 43 | 4 54 | 14 0  | 0 40 | 1 9  | 28 35 | 10 36 | 0 19 |     |      |     |
| S 29 | 14 30 | 27 45 | 4 59 | 17 29 | 0 43 | 26 32 | 3 12 | 23 5  | 0 52 | 18 58 | 1 6  | 10 39 | 1 29 | 16 46 | 0 43 | 10 55 | 1 43 | 4 55 | 14 0  | 0 41 | 1 10 | 28 35 | 10 38 | 0 19 |     |      |     |
| S 30 | 14n49 | 25n 2 | 4n30 | 18n15 | 0n54 | 26n35 | 3n13 | 23n10 | 0n52 | 18s57 | 1n 6 | 10s38 | 1s29 | 16n46 | 0n43 | 10n55 | 1s43 | 4n55 | 14s 0 | 0s42 | 1s12 | 28s35 | 10n39 | 0n19 |     |      |     |

# ASTRODIENST EPHEMERIS for the year 1876

## geocentric

MAY 1876

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♀     | ♂     | ♂      | ♂    | ♂     | ♂    | ♂     | ♂      | ♂     | ♂    | ♂      | ♂    | Day |
|------|----------|----------|-------|-------|-------|-------|--------|------|-------|------|-------|--------|-------|------|--------|------|-----|
| M 1  | 14 37 3  | 10♌56°15 | 11♌46 | 20♌45 | 26♌19 | 13♌10 | 29°R12 | 6♌15 | 15♌53 | 3♌3  | 22♌50 | 28°D14 | 26♌57 | 1♌19 | 26°Y54 | M 1  |     |
| T 2  | 14 41 0  | 11°54'24 | 25°32 | 22°48 | 27°18 | 13°50 | 29♌5   | 6°19 | 15°53 | 3°6  | 22°51 | 28♌14  | 26°53 | 1°26 | 26°57  | T 2  |     |
| W 3  | 14 44 56 | 12°52'32 | 9♍1   | 24°50 | 28°18 | 14°30 | 28°58  | 6°24 | 15°54 | 3°8  | 22°52 | 28°16  | 26°50 | 1°32 | 27°1   | W 3  |     |
| T 4  | 14 48 53 | 13°50'37 | 22°14 | 26°50 | 29°16 | 15°10 | 28°51  | 6°28 | 15°54 | 3°10 | 22°54 | 28°R17 | 26°47 | 1°39 | 27°5   | T 4  |     |
| F 5  | 14 52 49 | 14°48'40 | 5♌13  | 28°47 | 0♌15  | 15°50 | 28°44  | 6°32 | 15°55 | 3°12 | 22°55 | 28°16  | 26°44 | 1°46 | 27°8   | F 5  |     |
| S 6  | 14 56 46 | 15°46'42 | 18°0  | 0♌41  | 1°13  | 16°30 | 28°36  | 6°36 | 15°56 | 3°15 | 22°56 | 28°15  | 26°41 | 1°52 | 27°12  | S 6  |     |
| S 7  | 15 0 42  | 16°44'42 | 0♌36  | 2°33  | 2°10  | 17°10 | 28°29  | 6°40 | 15°56 | 3°17 | 22°58 | 28°11  | 26°38 | 1°59 | 27°16  | S 7  |     |
| M 8  | 15 4 39  | 17°42'40 | 13°2  | 4°22  | 3°7   | 17°49 | 28°22  | 6°44 | 15°57 | 3°19 | 22°59 | 28°4   | 26°34 | 2°6  | 27°19  | M 8  |     |
| T 9  | 15 8 35  | 18°40'37 | 25°19 | 6°8   | 4°3   | 18°29 | 28°14  | 6°48 | 15°58 | 3°21 | 23°0  | 27°56  | 26°31 | 2°13 | 27°23  | T 9  |     |
| W10  | 15 12 32 | 19°38'32 | 7♌27  | 7°50  | 4°59  | 19°9  | 28°7   | 6°51 | 15°59 | 3°23 | 23°2  | 27°47  | 26°28 | 2°19 | 27°26  | W10  |     |
| T 11 | 15 16 29 | 20°36'26 | 19°28 | 9°29  | 5°55  | 19°49 | 28°0   | 6°55 | 16°0  | 3°26 | 23°3  | 27°37  | 26°25 | 2°26 | 27°30  | T 11 |     |
| F 12 | 15 20 25 | 21°34'18 | 1♌23  | 11°5  | 6°50  | 20°28 | 27°52  | 6°59 | 16°1  | 3°28 | 23°4  | 27°27  | 26°22 | 2°33 | 27°33  | F 12 |     |
| S 13 | 15 24 22 | 22°32'09 | 13°16 | 12°37 | 7°44  | 21°8  | 27°44  | 7°2  | 16°2  | 3°30 | 23°6  | 27°19  | 26°18 | 2°40 | 27°37  | S 13 |     |
| S 14 | 15 28 18 | 23°29'59 | 25°8  | 14°6  | 8°38  | 21°48 | 27°37  | 7°5  | 16°3  | 3°32 | 23°7  | 27°13  | 26°15 | 2°46 | 27°40  | S 14 |     |
| M15  | 15 32 15 | 24°27'47 | 7♌4   | 15°31 | 9°31  | 22°27 | 27°29  | 7°9  | 16°4  | 3°34 | 23°8  | 27°9   | 26°12 | 2°53 | 27°44  | M15  |     |
| T 16 | 15 36 11 | 25°25'34 | 19°7  | 16°52 | 10°23 | 23°7  | 27°22  | 7°12 | 16°5  | 3°36 | 23°10 | 27°8   | 26°9  | 3°0  | 27°47  | T 16 |     |
| W17  | 15 40 8  | 26°23'20 | 1♌24  | 18°10 | 11°15 | 23°46 | 27°14  | 7°15 | 16°6  | 3°39 | 23°11 | 27°D 8 | 26°6  | 3°6  | 27°51  | W17  |     |
| T 18 | 15 44 4  | 27°21'05 | 13°58 | 19°24 | 12°6  | 24°26 | 27°6   | 7°18 | 16°8  | 3°41 | 23°13 | 27°8   | 26°3  | 3°13 | 27°54  | T 18 |     |
| F 19 | 15 48 1  | 28°18'49 | 26°54 | 20°34 | 12°57 | 25°5  | 26°59  | 7°21 | 16°9  | 3°43 | 23°14 | 27°R 9 | 25°59 | 3°20 | 27°57  | F 19 |     |
| S 20 | 15 51 58 | 29°16'32 | 10♌17 | 21°40 | 13°47 | 25°45 | 26°51  | 7°24 | 16°11 | 3°45 | 23°15 | 27°8   | 25°56 | 3°27 | 28°1   | S 20 |     |
| S 21 | 15 55 54 | 0♌14'14  | 24°8  | 22°43 | 14°36 | 26°24 | 26°43  | 7°27 | 16°12 | 3°47 | 23°17 | 27°5   | 25°53 | 3°33 | 28°4   | S 21 |     |
| M22  | 15 59 51 | 1°11'54  | 8♌27  | 23°41 | 15°24 | 27°4  | 26°36  | 7°29 | 16°13 | 3°49 | 23°18 | 27°0   | 25°50 | 3°40 | 28°7   | M22  |     |
| T 23 | 16 3 47  | 2°9'34   | 23°10 | 24°35 | 16°11 | 27°43 | 26°28  | 7°32 | 16°15 | 3°51 | 23°19 | 26°53  | 25°47 | 3°47 | 28°11  | T 23 |     |
| W24  | 16 7 44  | 3°7'12   | 8♌10  | 25°25 | 16°58 | 28°23 | 26°21  | 7°34 | 16°17 | 3°53 | 23°21 | 26°43  | 25°43 | 3°53 | 28°14  | W24  |     |
| T 25 | 16 11 40 | 4°4'49   | 23°18 | 26°11 | 17°44 | 29°2  | 26°13  | 7°37 | 16°18 | 3°55 | 23°22 | 26°34  | 25°40 | 4°0  | 28°17  | T 25 |     |
| F 26 | 16 15 37 | 5°2'25   | 8♌23  | 26°53 | 18°29 | 29°41 | 26°6   | 7°39 | 16°20 | 3°57 | 23°23 | 26°24  | 25°37 | 4°7  | 28°20  | F 26 |     |
| S 27 | 16 19 34 | 6°0'00   | 23°17 | 27°30 | 19°13 | 0♌21  | 25°58  | 7°41 | 16°22 | 3°59 | 23°25 | 26°17  | 25°34 | 4°14 | 28°23  | S 27 |     |
| S 28 | 16 23 30 | 6°57'33  | 7♌51  | 28°3  | 19°56 | 1°0   | 25°51  | 7°43 | 16°24 | 4°1  | 23°26 | 26°12  | 25°31 | 4°20 | 28°26  | S 28 |     |
| M29  | 16 27 27 | 7°55'05  | 22°3  | 28°32 | 20°38 | 1°39  | 25°43  | 7°45 | 16°25 | 4°3  | 23°27 | 26°9   | 25°28 | 4°27 | 28°30  | M29  |     |
| T 30 | 16 31 23 | 8°52'35  | 5♌50  | 28°55 | 21°19 | 2°18  | 25°36  | 7°47 | 16°27 | 4°5  | 23°29 | 26°D 8 | 25°24 | 4°34 | 28°33  | T 30 |     |
| W31  | 16 35 20 | 9♌50'04  | 19♌14 | 29♌15 | 21♌59 | 2♌58  | 25♌29  | 7♌49 | 16♌29 | 4♌7  | 23♌30 | 26°R 8 | 25♌21 | 4♌41 | 28°Y36 | W31  |     |

| Day  | ☉     | ☽     | ♀    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | Day  |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  |
| M 1  | 15n 7 | 20n52 | 3n45 | 18n59 | 1n 4 | 26n39 | 3n15 | 23n16 | 0n53 | 18s55 | 1n 6 | 10s36 | 1s29 | 16n46 | 0n42 | 10n56 | 1s43 |
| T 2  | 15 25 | 15 39 | 2 48 | 19 40 | 1 14 | 26 42 | 3 16 | 23 21 | 0 53 | 18 54 | 1 6  | 10 35 | 1 29 | 16 46 | 0 42 | 10 57 | 1 43 |
| W 3  | 15 43 | 9 47  | 1 42 | 20 20 | 1 23 | 26 44 | 3 17 | 23 26 | 0 53 | 18 52 | 1 6  | 10 33 | 1 30 | 16 46 | 0 42 | 10 58 | 1 43 |
| T 4  | 16 0  | 3 35  | 0 33 | 20 57 | 1 32 | 26 45 | 3 18 | 23 31 | 0 54 | 18 51 | 1 6  | 10 32 | 1 30 | 16 45 | 0 42 | 10 58 | 1 43 |
| F 5  | 16 18 | 2s39  | 0s37 | 21 32 | 1 40 | 26 46 | 3 19 | 23 36 | 0 54 | 18 49 | 1 6  | 10 31 | 1 30 | 16 45 | 0 42 | 10 59 | 1 43 |
| S 6  | 16 35 | 8 40  | 1 44 | 22 4  | 1 48 | 26 47 | 3 20 | 23 40 | 0 54 | 18 48 | 1 6  | 10 29 | 1 30 | 16 45 | 0 42 | 11 0  | 1 43 |
| S 7  | 16 51 | 14 16 | 2 45 | 22 34 | 1 55 | 26 47 | 3 20 | 23 45 | 0 55 | 18 46 | 1 6  | 10 28 | 1 30 | 16 45 | 0 42 | 11 1  | 1 43 |
| M 8  | 17 8  | 19 12 | 3 37 | 23 1  | 2 1  | 26 46 | 3 21 | 23 49 | 0 55 | 18 45 | 1 6  | 10 27 | 1 31 | 16 44 | 0 42 | 11 1  | 1 43 |
| T 9  | 17 24 | 23 16 | 4 18 | 23 26 | 2 7  | 26 45 | 3 21 | 23 53 | 0 55 | 18 43 | 1 6  | 10 26 | 1 31 | 16 44 | 0 42 | 11 2  | 1 43 |
| W10  | 17 39 | 26 17 | 4 46 | 23 48 | 2 12 | 26 43 | 3 21 | 23 56 | 0 56 | 18 42 | 1 5  | 10 24 | 1 31 | 16 44 | 0 42 | 11 3  | 1 43 |
| T 11 | 17 55 | 28 4  | 5 2  | 24 8  | 2 16 | 26 41 | 3 21 | 24 0  | 0 56 | 18 40 | 1 5  | 10 23 | 1 31 | 16 43 | 0 42 | 11 3  | 1 43 |
| F 12 | 18 10 | 28 31 | 5 4  | 24 25 | 2 19 | 26 38 | 3 21 | 24 3  | 0 56 | 18 38 | 1 5  | 10 22 | 1 31 | 16 43 | 0 42 | 11 4  | 1 43 |
| S 13 | 18 25 | 27 40 | 4 54 | 24 40 | 2 22 | 26 34 | 3 21 | 24 6  | 0 57 | 18 37 | 1 5  | 10 21 | 1 32 | 16 43 | 0 42 | 11 5  | 1 43 |
| S 14 | 18 40 | 25 33 | 4 30 | 24 53 | 2 23 | 26 31 | 3 20 | 24 9  | 0 57 | 18 35 | 1 5  | 10 20 | 1 32 | 16 42 | 0 42 | 11 6  | 1 43 |
| M15  | 18 54 | 22 18 | 3 55 | 25 3  | 2 24 | 26 26 | 3 20 | 24 12 | 0 57 | 18 33 | 1 5  | 10 19 | 1 32 | 16 42 | 0 42 | 11 6  | 1 43 |
| T 16 | 19 8  | 18 5  | 3 9  | 25 12 | 2 24 | 26 21 | 3 19 | 24 14 | 0 57 | 18 32 | 1 5  | 10 18 | 1 32 | 16 42 | 0 42 | 11 7  | 1 43 |
| W17  | 19 22 | 13 4  | 2 13 | 25 18 | 2 23 | 26 16 | 3 18 | 24 16 | 0 58 | 18 30 | 1 5  | 10 17 | 1 32 | 16 41 | 0 42 | 11 8  | 1 43 |
| T 18 | 19 35 | 7 23  | 1 10 | 25 22 | 2 21 | 26 10 | 3 17 | 24 18 | 0 58 | 18 28 | 1 5  | 10 16 | 1 33 | 16 41 | 0 42 | 11 8  | 1 43 |
| F 19 | 19 48 | 1 15  | 0 1  | 25 25 | 2 18 | 26 4  | 3 15 | 24 20 | 0 58 | 18 27 | 1 5  | 10 15 | 1 33 | 16 40 | 0 42 | 11 9  | 1 43 |
| S 20 | 20 1  | 5n 8  | 1n10 | 25 25 | 2 14 | 25 57 | 3 14 | 24 22 | 0 59 | 18 25 | 1 5  | 10 14 | 1 33 | 16 40 | 0 42 | 11 10 | 1 43 |
| S 21 | 20 13 | 11 31 | 2 19 | 25 25 | 2 9  | 25 50 | 3 12 | 24 23 | 0 59 | 18 24 | 1 5  | 10 14 | 1 33 | 16 40 | 0 42 | 11 10 | 1 43 |
| M22  | 20 25 | 17 30 | 3 21 | 25 22 | 2 4  | 25 43 | 3 10 | 24 25 | 0 59 | 18 22 | 1 4  | 10 13 | 1 33 | 16 39 | 0 42 | 11 11 | 1 43 |
| T 23 | 20 37 | 22 38 | 4 12 | 25 18 | 1 57 | 25 35 | 3 8  | 24 26 | 0 59 | 18 20 | 1 4  | 10 12 | 1 34 | 16 39 | 0 42 | 11 12 | 1 43 |
| W24  | 20 48 | 26 24 | 4 47 | 25 12 | 1 50 | 25 27 | 3 5  | 24 26 | 1 0  | 18 19 | 1 4  | 10 11 | 1 34 | 16 38 | 0 42 | 11 12 | 1 43 |
| T 25 | 20 59 | 28 19 | 5 2  | 25 6  | 1 42 | 25 18 | 3 3  | 24 27 | 1 0  | 18 17 | 1 4  | 10 11 | 1 34 | 16 37 | 0 42 | 11 13 | 1 43 |
| F 26 | 21 9  | 28 7  | 4 56 | 24 58 | 1 32 | 25 9  | 3 0  | 24 28 | 1 0  | 18 15 | 1 4  | 10 10 | 1 34 | 16 37 | 0 42 | 11 14 | 1 43 |
| S 27 | 21 20 | 25 53 | 4 30 | 24 48 | 1 22 | 25 0  | 2 57 | 24 28 | 1 0  | 18 14 | 1 4  | 10 9  | 1 35 | 16 36 | 0 42 | 11 14 | 1 43 |
| S 28 | 21 29 | 21 58 | 3 47 | 24 38 | 1 11 | 24 50 | 2 53 | 24 28 | 1 1  | 18 12 | 1 4  | 10 9  | 1 35 | 16 36 | 0 42 | 11 15 | 1 43 |
| M29  | 21 39 | 16 51 | 2 50 | 24 27 | 1 0  | 24 40 | 2 50 | 24 28 | 1 1  | 18 11 | 1 4  | 10 8  | 1 35 | 16 35 | 0 42 | 11 16 | 1 43 |
| T 30 | 21 48 | 11 1  | 1 45 | 24 14 | 0 47 | 24 30 | 2 46 | 24 27 | 1 1  | 18 9  | 1 3  | 10 8  | 1 35 | 16 35 | 0 42 | 11 16 | 1 43 |
| W31  | 21n57 | 4n50  | 0n37 | 24n 1 | 0n34 | 24n19 | 2n42 | 24n27 | 1n 1 | 18s 7 | 1n 3 | 10s 7 | 1s35 | 16n34 | 0n42 | 11n17 | 1s43 |

Julian Day Number = 2406375.5, Delta T = -1.75 sec  
 Ecliptic obliquity = 23°27'28", Nutation = 0°00'00", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 23°00'48", Lahiri = 22°07'48"



# ASTRODIENST EPHEMERIS for the year 1876

## geocentric

JUNE 1876

00:00 UT

| Day  | Sid.t    | ☉                      | ☽                   | ♂                   | ♀                   | ♂                  | ♂                   | ♂                  | ♂                   | ♂                 | ♂                   | ♂                  | ♂                   | ♂                  | ♂                   | Day  |
|------|----------|------------------------|---------------------|---------------------|---------------------|--------------------|---------------------|--------------------|---------------------|-------------------|---------------------|--------------------|---------------------|--------------------|---------------------|------|
| T 1  | 16 39 16 | 10 <sup>II</sup> 47'32 | 2 <sup>II</sup> 17  | 29 <sup>II</sup> 29 | 22 <sup>II</sup> 38 | 3 <sup>II</sup> 37 | 25°R22              | 7 <sup>II</sup> 51 | 16 <sup>II</sup> 31 | 4 <sup>II</sup> 9 | 23 <sup>II</sup> 31 | 26°R 8             | 25 <sup>II</sup> 18 | 4 <sup>II</sup> 47 | 28 <sup>II</sup> 39 | T 1  |
| F 2  | 16 43 13 | 11°44'58               | 15° 3               | 29°39               | 23°16               | 4°16               | 25 <sup>II</sup> 15 | 7°52               | 16°33               | 4°11              | 23°32               | 26 <sup>II</sup> 7 | 25°15               | 4°54               | 28°42               | F 2  |
| S 3  | 16 47 9  | 12°42'23               | 27°36               | 29°45               | 23°52               | 4°55               | 25° 8               | 7°54               | 16°35               | 4°13              | 23°34               | 26° 3              | 25°12               | 5° 1               | 28°45               | S 3  |
| S 4  | 16 51 6  | 13°39'47               | 9 <sup>II</sup> 57  | 29°R45              | 24°27               | 5°34               | 25° 1               | 7°55               | 16°37               | 4°14              | 23°35               | 25°57              | 25° 9               | 5° 7               | 28°47               | S 4  |
| M 5  | 16 55 3  | 14°37'11               | 22° 9               | 29°42               | 25° 1               | 6°13               | 24°54               | 7°57               | 16°40               | 4°16              | 23°36               | 25°48              | 25° 5               | 5°14               | 28°50               | M 5  |
| T 6  | 16 58 59 | 15°34'33               | 4 <sup>II</sup> 15  | 29°34               | 25°34               | 6°52               | 24°47               | 7°58               | 16°42               | 4°18              | 23°38               | 25°36              | 25° 2               | 5°21               | 28°53               | T 6  |
| W 7  | 17 2 56  | 16°31'54               | 16°15               | 29°21               | 26° 5               | 7°31               | 24°40               | 7°59               | 16°44               | 4°20              | 23°39               | 25°23              | 24°59               | 5°28               | 28°56               | W 7  |
| T 8  | 17 6 52  | 17°29'15               | 28°11               | 29° 5               | 26°34               | 8°10               | 24°34               | 8° 0               | 16°46               | 4°22              | 23°40               | 25°10              | 24°56               | 5°34               | 28°59               | T 8  |
| F 9  | 17 10 49 | 18°26'34               | 10 <sup>II</sup> 3  | 28°45               | 27° 2               | 8°49               | 24°27               | 8° 1               | 16°49               | 4°23              | 23°41               | 24°57              | 24°53               | 5°41               | 29° 2               | F 9  |
| S 10 | 17 14 45 | 19°23'54               | 21°55               | 28°22               | 27°29               | 9°28               | 24°21               | 8° 2               | 16°51               | 4°25              | 23°43               | 24°45              | 24°50               | 5°48               | 29° 4               | S 10 |
| S 11 | 17 18 42 | 20°21'12               | 3 <sup>II</sup> 48  | 27°55               | 27°54               | 10° 7              | 24°15               | 8° 3               | 16°53               | 4°27              | 23°44               | 24°36              | 24°46               | 5°54               | 29° 7               | S 11 |
| M12  | 17 22 38 | 21°18'30               | 15°44               | 27°26               | 28°17               | 10°46              | 24° 9               | 8° 3               | 16°56               | 4°28              | 23°45               | 24°29              | 24°43               | 6° 1               | 29° 9               | M12  |
| T 13 | 17 26 35 | 22°15'48               | 27°48               | 26°55               | 28°39               | 11°25              | 24° 3               | 8° 4               | 16°58               | 4°30              | 23°46               | 24°26              | 24°40               | 6° 8               | 29°12               | T 13 |
| W14  | 17 30 32 | 23°13'05               | 10 <sup>II</sup> 3  | 26°22               | 28°58               | 12° 4              | 23°57               | 8° 4               | 17° 1               | 4°32              | 23°48               | 24°24              | 24°37               | 6°15               | 29°15               | W14  |
| T 15 | 17 34 28 | 24°10'21               | 22°35               | 25°49               | 29°16               | 12°43              | 23°51               | 8° 5               | 17° 3               | 4°33              | 23°49               | 24°24              | 24°34               | 6°21               | 29°17               | T 15 |
| F 16 | 17 38 25 | 25° 7'38               | 5 <sup>II</sup> 28  | 25°15               | 29°32               | 13°22              | 23°45               | 8° 5               | 17° 6               | 4°35              | 23°50               | 24°24              | 24°30               | 6°28               | 29°20               | F 16 |
| S 17 | 17 42 21 | 26° 4'54               | 18°46               | 24°41               | 29°46               | 14° 1              | 23°40               | 8° 5               | 17° 9               | 4°37              | 23°51               | 24°23              | 24°27               | 6°35               | 29°22               | S 17 |
| S 18 | 17 46 18 | 27° 2'10               | 2 <sup>II</sup> 32  | 24° 7               | 29°58               | 14°40              | 23°34               | 8°R 5              | 17°11               | 4°38              | 23°52               | 24°19              | 24°24               | 6°42               | 29°24               | S 18 |
| M19  | 17 50 14 | 27°59'26               | 16°48               | 23°35               | 0 <sup>II</sup> 8   | 15°18              | 23°29               | 8° 5               | 17°14               | 4°40              | 23°53               | 24°14              | 24°21               | 6°48               | 29°27               | M19  |
| T 20 | 17 54 11 | 28°56'42               | 1 <sup>II</sup> 31  | 23° 5               | 0°15                | 15°57              | 23°24               | 8° 5               | 17°17               | 4°41              | 23°55               | 24° 6              | 24°18               | 6°55               | 29°29               | T 20 |
| W21  | 17 58 7  | 29°53'57               | 16°36               | 22°37               | 0°21                | 16°36              | 23°19               | 8° 5               | 17°19               | 4°43              | 23°56               | 23°56              | 24°15               | 7° 2               | 29°31               | W21  |
| T 22 | 18 2 4   | 0 <sup>II</sup> 51'12  | 1 <sup>II</sup> 53  | 22°12               | 0°24                | 17°15              | 23°14               | 8° 4               | 17°22               | 4°44              | 23°57               | 23°45              | 24°11               | 7° 8               | 29°33               | T 22 |
| F 23 | 18 6 1   | 1°48'27                | 17°11               | 21°50               | 0°R25               | 17°53              | 23°10               | 8° 4               | 17°25               | 4°46              | 23°58               | 23°35              | 24° 8               | 7°15               | 29°36               | F 23 |
| S 24 | 18 9 57  | 2°45'42                | 2 <sup>II</sup> 18  | 21°32               | 0°24                | 18°32              | 23° 5               | 8° 4               | 17°28               | 4°47              | 23°59               | 23°26              | 24° 5               | 7°22               | 29°38               | S 24 |
| S 25 | 18 13 54 | 3°42'56                | 1 <sup>II</sup> 6   | 21°18               | 0°20                | 19°11              | 23° 1               | 8° 3               | 17°31               | 4°48              | 24° 0               | 23°20              | 24° 2               | 7°29               | 29°40               | S 25 |
| M26  | 18 17 50 | 4°40'09                | 1 <sup>II</sup> 29  | 21° 7               | 0°14                | 19°50              | 22°57               | 8° 2               | 17°34               | 4°50              | 24° 1               | 23°17              | 23°59               | 7°35               | 29°42               | M26  |
| T 27 | 18 21 47 | 5°37'22                | 15°23               | 21° 2               | 0° 6                | 20°28              | 22°53               | 8° 1               | 17°37               | 4°51              | 24° 2               | 23°15              | 23°56               | 7°42               | 29°44               | T 27 |
| W28  | 18 25 43 | 6°34'34                | 28°51               | 21°D 1              | 29°555              | 21° 7              | 22°49               | 8° 0               | 17°40               | 4°52              | 24° 3               | 23°D15             | 23°52               | 7°49               | 29°46               | W28  |
| T 29 | 18 29 40 | 7°31'46                | 11 <sup>II</sup> 54 | 21° 5               | 29°42               | 21°45              | 22°45               | 7°59               | 17°43               | 4°54              | 24° 4               | 23°R15             | 23°49               | 7°55               | 29°48               | T 29 |
| F 30 | 18 33 36 | 8°28'58                | 24 <sup>II</sup> 37 | 21 <sup>II</sup> 13 | 29°526              | 22°524             | 22 <sup>II</sup> 42 | 7 <sup>II</sup> 58 | 17°46               | 4°55              | 24° 5               | 23°R14             | 23°46               | 8° 2               | 29°50               | F 30 |

| Day  | ☉     | ☽     | ♂    | ♀     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | Day  |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  |
| T 1  | 22n 5 | 1s24  | 0s33 | 23n47 | 0n20 | 24n 8 | 2n37 | 24n26 | 1n 2 | 18s 6 | 1n 3 | 10s 7 | 1s36 | 16n33 | 0n41 | 11n18 | 1s43 |
| F 2  | 22 13 | 7 27  | 1 38 | 23 32 | 0 5  | 23 57 | 2 32 | 24 25 | 1 2  | 18 4  | 1 3  | 10 6  | 1 36 | 16 33 | 0 41 | 11 18 | 1 43 |
| S 3  | 22 20 | 13 5  | 2 38 | 23 17 | 0s11 | 23 46 | 2 28 | 24 24 | 1 2  | 18 3  | 1 3  | 10 6  | 1 36 | 16 32 | 0 41 | 11 19 | 1 43 |
| S 4  | 22 27 | 18 7  | 3 29 | 23 1  | 0 27 | 23 35 | 2 22 | 24 23 | 1 2  | 18 1  | 1 3  | 10 6  | 1 36 | 16 31 | 0 41 | 11 19 | 1 43 |
| M 5  | 22 34 | 22 21 | 4 10 | 22 44 | 0 43 | 23 23 | 2 17 | 24 21 | 1 2  | 18 0  | 1 2  | 10 5  | 1 37 | 16 31 | 0 41 | 11 20 | 1 43 |
| T 6  | 22 41 | 25 35 | 4 39 | 22 28 | 1 0  | 23 11 | 2 11 | 24 19 | 1 3  | 17 58 | 1 2  | 10 5  | 1 37 | 16 30 | 0 41 | 11 20 | 1 43 |
| W 7  | 22 47 | 27 39 | 4 56 | 22 11 | 1 17 | 22 59 | 2 5  | 24 17 | 1 3  | 17 57 | 1 2  | 10 5  | 1 37 | 16 29 | 0 41 | 11 21 | 1 43 |
| T 8  | 22 52 | 28 26 | 4 59 | 21 53 | 1 34 | 22 47 | 1 58 | 24 15 | 1 3  | 17 55 | 1 2  | 10 5  | 1 37 | 16 29 | 0 41 | 11 22 | 1 43 |
| F 9  | 22 57 | 27 53 | 4 49 | 21 36 | 1 51 | 22 35 | 1 51 | 24 13 | 1 3  | 17 54 | 1 2  | 10 5  | 1 38 | 16 28 | 0 41 | 11 22 | 1 44 |
| S 10 | 23 2  | 26 4  | 4 27 | 21 19 | 2 8  | 22 23 | 1 44 | 24 10 | 1 3  | 17 53 | 1 2  | 10 4  | 1 38 | 16 27 | 0 41 | 11 23 | 1 44 |
| S 11 | 23 6  | 23 6  | 3 53 | 21 2  | 2 25 | 22 11 | 1 37 | 24 8  | 1 4  | 17 51 | 1 1  | 10 4  | 1 38 | 16 26 | 0 41 | 11 23 | 1 44 |
| M12  | 23 10 | 19 8  | 3 9  | 20 45 | 2 41 | 21 58 | 1 29 | 24 5  | 1 4  | 17 50 | 1 1  | 10 4  | 1 38 | 16 26 | 0 41 | 11 24 | 1 44 |
| T 13 | 23 14 | 14 22 | 2 16 | 20 29 | 2 57 | 21 46 | 1 21 | 24 2  | 1 4  | 17 49 | 1 1  | 10 4  | 1 38 | 16 25 | 0 41 | 11 24 | 1 44 |
| W14  | 23 17 | 8 58  | 1 15 | 20 13 | 3 11 | 21 34 | 1 12 | 23 58 | 1 4  | 17 47 | 1 1  | 10 4  | 1 39 | 16 24 | 0 41 | 11 25 | 1 44 |
| T 15 | 23 20 | 3 6   | 0 10 | 19 58 | 3 26 | 21 21 | 1 4  | 23 55 | 1 4  | 17 46 | 1 1  | 10 4  | 1 39 | 16 23 | 0 41 | 11 25 | 1 44 |
| F 16 | 23 22 | 3n 4  | 0n58 | 19 44 | 3 38 | 21 9  | 0 54 | 23 51 | 1 4  | 17 45 | 1 0  | 10 5  | 1 39 | 16 23 | 0 41 | 11 26 | 1 44 |
| S 17 | 23 24 | 9 17  | 2 5  | 19 31 | 3 50 | 20 57 | 0 45 | 23 48 | 1 5  | 17 44 | 1 0  | 10 5  | 1 39 | 16 22 | 0 41 | 11 26 | 1 44 |
| S 18 | 23 25 | 15 17 | 3 7  | 19 19 | 4 1  | 20 44 | 0 35 | 23 43 | 1 5  | 17 43 | 1 0  | 10 5  | 1 40 | 16 21 | 0 41 | 11 27 | 1 44 |
| M19  | 23 27 | 20 41 | 3 59 | 19 8  | 4 10 | 20 32 | 0 25 | 23 39 | 1 5  | 17 42 | 1 0  | 10 5  | 1 40 | 16 20 | 0 41 | 11 27 | 1 44 |
| T 20 | 23 27 | 25 1  | 4 38 | 18 59 | 4 18 | 20 20 | 0 14 | 23 35 | 1 5  | 17 41 | 1 0  | 10 5  | 1 40 | 16 19 | 0 41 | 11 28 | 1 44 |
| W21  | 23 27 | 27 43 | 4 58 | 18 51 | 4 24 | 20 8  | 0 3  | 23 30 | 1 5  | 17 40 | 0 59 | 10 6  | 1 40 | 16 18 | 0 41 | 11 28 | 1 44 |
| T 22 | 23 27 | 28 24 | 4 57 | 18 45 | 4 29 | 19 56 | 0s 9 | 23 26 | 1 5  | 17 39 | 0 59 | 10 6  | 1 41 | 16 17 | 0 41 | 11 28 | 1 44 |
| F 23 | 23 27 | 26 54 | 4 36 | 18 40 | 4 33 | 19 45 | 0 20 | 23 21 | 1 6  | 17 38 | 0 59 | 10 6  | 1 41 | 16 17 | 0 41 | 11 29 | 1 44 |
| S 24 | 23 26 | 23 28 | 3 55 | 18 37 | 4 35 | 19 33 | 0 32 | 23 16 | 1 6  | 17 37 | 0 59 | 10 7  | 1 41 | 16 16 | 0 41 | 11 29 | 1 44 |
| S 25 | 23 24 | 18 33 | 2 59 | 18 35 | 4 36 | 19 22 | 0 45 | 23 10 | 1 6  | 17 36 | 0 58 | 10 7  | 1 41 | 16 15 | 0 41 | 11 30 | 1 44 |
| M26  | 23 23 | 12 42 | 1 52 | 18 35 | 4 35 | 19 11 | 0 57 | 23 5  | 1 6  | 17 35 | 0 58 | 10 8  | 1 41 | 16 14 | 0 41 | 11 30 | 1 44 |
| T 27 | 23 20 | 6 24  | 0 42 | 18 37 | 4 33 | 19 0  | 1 10 | 22 59 | 1 6  | 17 34 | 0 58 | 10 8  | 1 42 | 16 13 | 0 41 | 11 31 | 1 44 |
| W28  | 23 18 | 0 0   | 0s30 | 18 40 | 4 30 | 18 49 | 1 24 | 22 53 | 1 6  | 17 34 | 0 58 | 10 9  | 1 42 | 16 12 | 0 41 | 11 31 | 1 44 |
| T 29 | 23 15 | 6s12  | 1 37 | 18 45 | 4 25 | 18 39 | 1 37 | 22 47 | 1 6  | 17 33 | 0 58 | 10 9  | 1 42 | 16 11 | 0 41 | 11 31 | 1 44 |
| F 30 | 23n11 | 11s59 | 2s38 | 18n51 | 4s19 | 18n29 | 1s51 | 22n41 | 1n 7 | 17s32 | 0n57 | 10s10 | 1s42 | 16n10 | 0n41 | 11n32 | 1s44 |

Julian Day Number = 2406406.5, Delta T = -1.79 sec

Ecliptic obliquity = 23°27'28, Nutation = 0°00'01, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°00'52, Lahiri = 22°07'53

ASTRODIENST EPHEMERIS for the year 1876  
geocentric

JULY 1876

00:00 UT

| Day  | Sid.t    | ☉                     | ☽                   | ♀                   | ♂                   | ♂                   | ♂                   | ♂                  | ♂                   | ♂                  | ♂                   | ♂                   | ♂                   | ♂                   | ♂                   | Day  |
|------|----------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------|
| S 1  | 18 37 33 | 9 <sup>26</sup> 09    | 7 <sup>11</sup> 2   | 21 <sup>11</sup> 27 | 29°R 8              | 23 <sup>26</sup> 3  | 22°R38              | 7°R57              | 17 <sup>10</sup> 49 | 4 <sup>8</sup> 56  | 24 <sup>8</sup> 6   | 23°R11              | 23 <sup>11</sup> 43 | 8 <sup>28</sup> 9   | 29 <sup>19</sup> 51 | S 1  |
| S 2  | 18 41 30 | 10°23'20              | 19°16               | 21°46               | 28 <sup>26</sup> 48 | 23°41               | 22 <sup>11</sup> 35 | 7 <sup>11</sup> 56 | 17°52               | 4°57               | 24°7                | 23 <sup>11</sup> 6  | 23°40               | 8°16                | 29°53               | S 2  |
| M 3  | 18 45 26 | 11°20'31              | 1 <sup>17</sup> 20  | 22°9                | 28°25               | 24°20               | 22°32               | 7°54               | 17°55               | 4°58               | 24°8                | 22°58               | 23°36               | 8°22                | 29°55               | M 3  |
| T 4  | 18 49 23 | 12°17'42              | 13°18               | 22°38               | 28°1                | 24°58               | 22°29               | 7°53               | 17°58               | 4°59               | 24°9                | 22°47               | 23°33               | 8°29                | 29°56               | T 4  |
| W 5  | 18 53 19 | 13°14'52              | 25°13               | 23°11               | 27°34               | 25°37               | 22°27               | 7°51               | 18°2                | 5°1                | 24°10               | 22°35               | 23°30               | 8°36                | 29°58               | W 5  |
| T 6  | 18 57 16 | 14°12'03              | 7 <sup>13</sup> 5   | 23°50               | 27°5                | 26°15               | 22°24               | 7°50               | 18°5                | 5°2                | 24°11               | 22°23               | 23°27               | 8°42                | 29°59               | T 6  |
| F 7  | 19 1 12  | 15°9'14               | 18°58               | 24°33               | 26°35               | 26°54               | 22°22               | 7°48               | 18°8                | 5°3                | 24°12               | 22°11               | 23°24               | 8°49                | 0 <sup>8</sup> 1    | F 7  |
| S 8  | 19 5 9   | 16°6'25               | 0 <sup>11</sup> 51  | 25°22               | 26°3                | 27°32               | 22°20               | 7°46               | 18°11               | 5°4                | 24°13               | 22°0                | 23°21               | 8°56                | 0°3                 | S 8  |
| S 9  | 19 9 6   | 17°3'36               | 12°48               | 26°15               | 25°30               | 28°11               | 22°18               | 7°44               | 18°15               | 5°5                | 24°14               | 21°52               | 23°17               | 9°3                 | 0°4                 | S 9  |
| M10  | 19 13 2  | 18°0'47               | 24°50               | 27°12               | 24°55               | 28°49               | 22°16               | 7°42               | 18°18               | 5°6                | 24°15               | 21°46               | 23°14               | 9°9                 | 0°5                 | M10  |
| T 11 | 19 16 59 | 18°57'59              | 6 <sup>11</sup> 58  | 28°15               | 24°19               | 29°28               | 22°14               | 7°40               | 18°21               | 5°6                | 24°16               | 21°43               | 23°11               | 9°16                | 0°7                 | T 11 |
| W12  | 19 20 55 | 19°55'11              | 19°18               | 29°22               | 23°43               | 0 <sup>10</sup> 6   | 22°13               | 7°38               | 18°25               | 5°7                | 24°17               | 21°D42              | 23°8                | 9°23                | 0°8                 | W12  |
| T 13 | 19 24 52 | 20°52'23              | 1 <sup>19</sup> 52  | 0 <sup>10</sup> 33  | 23°6                | 0°45                | 22°12               | 7°35               | 18°28               | 5°8                | 24°17               | 21°42               | 23°5                | 9°30                | 0°9                 | T 13 |
| F 14 | 19 28 48 | 21°49'37              | 14°45               | 1°49                | 22°28               | 1°23                | 22°11               | 7°33               | 18°32               | 5°9                | 24°18               | 21°43               | 23°2                | 9°36                | 0°10                | F 14 |
| S 15 | 19 32 45 | 22°46'51              | 27°59               | 3°10                | 21°51               | 2°2                 | 22°10               | 7°30               | 18°35               | 5°10               | 24°19               | 21°R43              | 22°58               | 9°43                | 0°11                | S 15 |
| S 16 | 19 36 41 | 23°44'05              | 11 <sup>18</sup> 39 | 4°35                | 21°14               | 2°40                | 22°9                | 7°28               | 18°38               | 5°11               | 24°20               | 21°41               | 22°55               | 9°50                | 0°12                | S 16 |
| M17  | 19 40 38 | 24°41'21              | 25°46               | 6°4                 | 20°37               | 3°18                | 22°9                | 7°25               | 18°42               | 5°11               | 24°21               | 21°38               | 22°52               | 9°56                | 0°13                | M17  |
| T 18 | 19 44 35 | 25°38'37              | 10 <sup>11</sup> 19 | 7°37                | 20°0                | 3°57                | 22°8                | 7°22               | 18°45               | 5°12               | 24°21               | 21°32               | 22°49               | 10°3                | 0°14                | T 18 |
| W19  | 19 48 31 | 26°35'54              | 25°13               | 9°14                | 19°25               | 4°35                | 22°D 8              | 7°20               | 18°49               | 5°13               | 24°22               | 21°25               | 22°46               | 10°10               | 0°15                | W19  |
| T 20 | 19 52 28 | 27°33'12              | 10 <sup>12</sup> 23 | 10°55               | 18°50               | 5°14                | 22°8                | 7°17               | 18°53               | 5°13               | 24°23               | 21°17               | 22°42               | 10°17               | 0°16                | T 20 |
| F 21 | 19 56 24 | 28°30'30              | 25°37               | 12°39               | 18°17               | 5°52                | 22°8                | 7°14               | 18°56               | 5°14               | 24°23               | 21°10               | 22°39               | 10°23               | 0°17                | F 21 |
| S 22 | 20 0 21  | 29°27'49              | 10 <sup>13</sup> 45 | 14°27               | 17°45               | 6°30                | 22°9                | 7°11               | 19°0                | 5°15               | 24°24               | 21°3                | 22°36               | 10°30               | 0°17                | S 22 |
| S 23 | 20 4 17  | 0 <sup>12</sup> 25'09 | 25°37               | 16°18               | 17°15               | 7°9                 | 22°9                | 7°8                | 19°3                | 5°15               | 24°25               | 20°59               | 22°33               | 10°37               | 0°18                | S 23 |
| M24  | 20 8 14  | 1°22'29               | 10 <sup>14</sup> 6  | 18°12               | 16°47               | 7°47                | 22°10               | 7°4                | 19°7                | 5°16               | 24°25               | 20°56               | 22°30               | 10°43               | 0°19                | M24  |
| T 25 | 20 12 10 | 2°19'49               | 24°8                | 20°8                | 16°20               | 8°25                | 22°11               | 7°1                | 19°10               | 5°16               | 24°26               | 20°D56              | 22°27               | 10°50               | 0°19                | T 25 |
| W26  | 20 16 7  | 3°17'10               | 7 <sup>12</sup> 43  | 22°7                | 15°56               | 9°4                 | 22°12               | 6°58               | 19°14               | 5°17               | 24°27               | 20°57               | 22°23               | 10°57               | 0°20                | W26  |
| T 27 | 20 20 4  | 4°14'31               | 20°51               | 24°7                | 15°33               | 9°42                | 22°14               | 6°54               | 19°18               | 5°17               | 24°27               | 20°58               | 22°20               | 11°4                | 0°20                | T 27 |
| F 28 | 20 24 0  | 5°11'53               | 3 <sup>11</sup> 36  | 26°10               | 15°13               | 10°20               | 22°15               | 6°51               | 19°21               | 5°17               | 24°28               | 20°R59              | 22°17               | 11°10               | 0°21                | F 28 |
| S 29 | 20 27 57 | 6°9'16                | 16°2                | 28°13               | 14°55               | 10°58               | 22°17               | 6°47               | 19°25               | 5°18               | 24°28               | 20°58               | 22°14               | 11°17               | 0°21                | S 29 |
| S 30 | 20 31 53 | 7°6'39                | 28°13               | 0 <sup>12</sup> 18  | 14°40               | 11°37               | 22°19               | 6°44               | 19°29               | 5°18               | 24°29               | 20°56               | 22°11               | 11°24               | 0°21                | S 30 |
| M31  | 20 35 50 | 8 <sup>12</sup> 4'02  | 10 <sup>13</sup> 15 | 2 <sup>12</sup> 23  | 14 <sup>12</sup> 26 | 12 <sup>12</sup> 15 | 22 <sup>12</sup> 21 | 6 <sup>11</sup> 40 | 19 <sup>12</sup> 32 | 5 <sup>18</sup> 18 | 24 <sup>12</sup> 29 | 20 <sup>11</sup> 52 | 22 <sup>11</sup> 8  | 11 <sup>12</sup> 30 | 0 <sup>12</sup> 21  | M31  |

| Day  | ☉     | ☽     | ♀    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     | ♂    | ♂     |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | lat   |
| S 1  | 23n 7 | 17s10 | 3s30 | 18n59 | 4s13 | 18n19 | 2s 5 | 22n35 | 1n 7 | 17s32 | 0n57 | 10s11 | 1s43 | 16n 9 | 0n41 | 11n32 |
| S 2  | 23 3  | 21 35 | 4 11 | 19 7  | 4 5  | 18 9  | 2 19 | 22 28 | 1 7  | 17 31 | 0 57 | 10 11 | 1 43 | 16 8  | 0 41 | 11 32 |
| M 3  | 22 58 | 25 1  | 4 40 | 19 17 | 3 57 | 18 0  | 2 33 | 22 22 | 1 7  | 17 30 | 0 57 | 10 12 | 1 43 | 16 7  | 0 41 | 11 33 |
| T 4  | 22 53 | 27 20 | 4 57 | 19 28 | 3 47 | 17 51 | 2 47 | 22 15 | 1 7  | 17 30 | 0 56 | 10 13 | 1 43 | 16 6  | 0 41 | 11 33 |
| W 5  | 22 48 | 28 23 | 5 1  | 19 40 | 3 37 | 17 42 | 3 2  | 22 8  | 1 7  | 17 30 | 0 56 | 10 14 | 1 43 | 16 5  | 0 41 | 11 33 |
| T 6  | 22 42 | 28 7  | 4 52 | 19 53 | 3 26 | 17 33 | 3 16 | 22 1  | 1 7  | 17 29 | 0 56 | 10 15 | 1 44 | 16 4  | 0 41 | 11 34 |
| F 7  | 22 36 | 26 34 | 4 30 | 20 6  | 3 15 | 17 25 | 3 30 | 21 54 | 1 7  | 17 29 | 0 56 | 10 15 | 1 44 | 16 3  | 0 41 | 11 34 |
| S 8  | 22 29 | 23 49 | 3 56 | 20 19 | 3 3  | 17 17 | 3 44 | 21 46 | 1 7  | 17 28 | 0 55 | 10 16 | 1 44 | 16 2  | 0 41 | 11 34 |
| S 9  | 22 22 | 20 2  | 3 11 | 20 33 | 2 51 | 17 10 | 3 58 | 21 39 | 1 7  | 17 28 | 0 55 | 10 17 | 1 44 | 16 1  | 0 41 | 11 34 |
| M10  | 22 15 | 15 25 | 2 18 | 20 47 | 2 38 | 17 3  | 4 11 | 21 31 | 1 8  | 17 28 | 0 55 | 10 18 | 1 45 | 16 0  | 0 41 | 11 35 |
| T 11 | 22 7  | 10 10 | 1 18 | 21 1  | 2 25 | 16 56 | 4 24 | 21 23 | 1 8  | 17 28 | 0 55 | 10 19 | 1 45 | 15 59 | 0 41 | 11 35 |
| W12  | 21 59 | 4 26  | 0 13 | 21 15 | 2 12 | 16 50 | 4 37 | 21 15 | 1 8  | 17 28 | 0 54 | 10 20 | 1 45 | 15 58 | 0 41 | 11 35 |
| T 13 | 21 50 | 1n34  | 0n54 | 21 29 | 1 59 | 16 44 | 4 49 | 21 7  | 1 8  | 17 28 | 0 54 | 10 21 | 1 45 | 15 57 | 0 41 | 11 35 |
| F 14 | 21 41 | 7 39  | 2 0  | 21 42 | 1 45 | 16 38 | 5 1  | 20 58 | 1 8  | 17 28 | 0 54 | 10 22 | 1 45 | 15 56 | 0 41 | 11 36 |
| S 15 | 21 32 | 13 35 | 3 1  | 21 54 | 1 31 | 16 33 | 5 12 | 20 50 | 1 8  | 17 28 | 0 54 | 10 24 | 1 46 | 15 55 | 0 41 | 11 36 |
| S 16 | 21 22 | 19 3  | 3 54 | 22 5  | 1 17 | 16 28 | 5 23 | 20 41 | 1 8  | 17 28 | 0 53 | 10 25 | 1 46 | 15 54 | 0 41 | 11 36 |
| M17  | 21 12 | 23 40 | 4 35 | 22 15 | 1 4  | 16 23 | 5 33 | 20 32 | 1 8  | 17 28 | 0 53 | 10 26 | 1 46 | 15 52 | 0 41 | 11 36 |
| T 18 | 21 2  | 26 57 | 5 0  | 22 24 | 0 50 | 16 19 | 5 42 | 20 23 | 1 8  | 17 28 | 0 53 | 10 27 | 1 46 | 15 51 | 0 41 | 11 36 |
| W19  | 20 51 | 28 27 | 5 5  | 22 31 | 0 37 | 16 15 | 5 51 | 20 14 | 1 8  | 17 28 | 0 53 | 10 28 | 1 46 | 15 50 | 0 40 | 11 37 |
| T 20 | 20 40 | 27 51 | 4 49 | 22 37 | 0 24 | 16 12 | 5 59 | 20 5  | 1 8  | 17 28 | 0 52 | 10 30 | 1 47 | 15 49 | 0 40 | 11 37 |
| F 21 | 20 29 | 25 10 | 4 13 | 22 40 | 0 11 | 16 9  | 6 7  | 19 55 | 1 8  | 17 29 | 0 52 | 10 31 | 1 47 | 15 48 | 0 40 | 11 37 |
| S 22 | 20 17 | 20 44 | 3 19 | 22 42 | 0n 1 | 16 7  | 6 13 | 19 46 | 1 8  | 17 29 | 0 52 | 10 32 | 1 47 | 15 47 | 0 40 | 11 37 |
| S 23 | 20 5  | 15 4  | 2 12 | 22 41 | 0 13 | 16 4  | 6 19 | 19 36 | 1 9  | 17 29 | 0 52 | 10 33 | 1 47 | 15 46 | 0 40 | 11 37 |
| M24  | 19 52 | 8 41  | 0 58 | 22 37 | 0 24 | 16 3  | 6 24 | 19 26 | 1 9  | 17 30 | 0 51 | 10 35 | 1 47 | 15 45 | 0 40 | 11 37 |
| T 25 | 19 39 | 2 4   | 0s17 | 22 32 | 0 35 | 16 1  | 6 29 | 19 17 | 1 9  | 17 30 | 0 51 | 10 36 | 1 47 | 15 44 | 0 40 | 11 37 |
| W26  | 19 26 | 4s26  | 1 29 | 22 23 | 0 45 | 16 0  | 6 33 | 19 6  | 1 9  | 17 31 | 0 51 | 10 38 | 1 48 | 15 42 | 0 40 | 11 37 |
| T 27 | 19 13 | 10 31 | 2 34 | 22 12 | 0 55 | 16 0  | 6 36 | 18 56 | 1 9  | 17 31 | 0 51 | 10 39 | 1 48 | 15 41 | 0 40 | 11 38 |
| F 28 | 18 59 | 16 0  | 3 30 | 21 58 | 1 3  | 16 0  | 6 38 | 18 46 | 1 9  | 17 32 | 0 50 | 10 41 | 1 48 | 15 40 | 0 40 | 11 38 |
| S 29 | 18 45 | 20 40 | 4 14 | 21 52 | 1 11 | 16 0  | 6 40 | 18 36 | 1 9  | 17 33 | 0 50 | 10 42 | 1 48 | 15 39 | 0 40 | 11 38 |
| S 30 | 18 31 | 24 24 | 4 45 | 21 23 | 1 18 | 16 0  | 6 41 | 18 25 | 1 9  | 17 33 | 0 50 | 10 43 | 1 48 | 15 38 | 0 40 | 11 38 |
| M31  | 18n16 | 27s 0 | 5s 4 | 21n 1 | 1n24 | 16n 1 | 6s42 | 18n14 | 1n 9 | 17s34 | 0n50 | 10s45 | 1s49 | 15n37 | 0n40 | 11n38 |

Julian Day Number = 2406436.5, Delta T = -1.82 sec  
Ecliptic obliquity = 23°27'28", Nutation = 0°00'02", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 23°00'56", Lahiri = 22°07'57"



## ASTRODIENST EPHEMERIS for the year 1876

geocentric

AUGUST 1876

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♂     | ♀      | ♂     | ♂     | ♂     | ♂     | ♂     | ♂      | ♂      | ♂     | ♂     | ♂     | Day  |
|------|----------|----------|-------|-------|--------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|------|
| T 1  | 20 39 46 | 9♌ 1'27  | 22♊10 | 4♌28  | 14°R15 | 12♌53 | 22♌23 | 6°R37 | 19♌36 | 5♌18  | 24♌30  | 20°R46 | 22♌ 4 | 11♌37 | 0♌21  | T 1  |
| W 2  | 20 43 43 | 9°58'52  | 4♌ 2  | 6°33  | 14°57  | 13°32 | 22°25 | 6♌33  | 19°40 | 5°19  | 24°30  | 20°R39 | 22° 1 | 11°44 | 0°22  | W 2  |
| T 3  | 20 47 39 | 10°56'18 | 15°54 | 8°38  | 14° 1  | 14°10 | 22°28 | 6°29  | 19°43 | 5°19  | 24°31  | 20°32  | 21°58 | 11°51 | 0°R22 | T 3  |
| F 4  | 20 51 36 | 11°53'44 | 27°49 | 10°43 | 13°57  | 14°48 | 22°30 | 6°25  | 19°47 | 5°19  | 24°31  | 20°25  | 21°55 | 11°57 | 0°22  | F 4  |
| S 5  | 20 55 33 | 12°51'12 | 9♌48  | 12°47 | 13°D56 | 15°26 | 22°33 | 6°21  | 19°51 | 5°19  | 24°32  | 20°19  | 21°52 | 12° 4 | 0°22  | S 5  |
| S 6  | 20 59 29 | 13°48'41 | 21°52 | 14°50 | 13°57  | 16° 5 | 22°36 | 6°17  | 19°55 | 5°19  | 24°32  | 20°14  | 21°48 | 12°11 | 0°21  | S 6  |
| M 7  | 21 3 26  | 14°46'11 | 4♌ 4  | 16°52 | 14° 0  | 16°43 | 22°40 | 6°13  | 19°58 | 5°19  | 24°32  | 20°11  | 21°45 | 12°17 | 0°21  | M 7  |
| T 8  | 21 7 22  | 15°43'41 | 16°24 | 18°53 | 14° 5  | 17°21 | 22°43 | 6° 9  | 20° 2 | 5°R19 | 24°33  | 20°D10 | 21°42 | 12°24 | 0°21  | T 8  |
| W 9  | 21 11 19 | 16°41'14 | 28°56 | 20°53 | 14°13  | 17°59 | 22°47 | 6° 5  | 20° 6 | 5°19  | 24°33  | 20°10  | 21°39 | 12°31 | 0°21  | W 9  |
| T 10 | 21 15 15 | 17°38'47 | 11♌41 | 22°52 | 14°23  | 18°37 | 22°50 | 6° 1  | 20° 9 | 5°19  | 24°33  | 20°11  | 21°36 | 12°38 | 0°20  | T 10 |
| F 11 | 21 19 12 | 18°36'22 | 24°41 | 24°49 | 14°35  | 19°16 | 22°54 | 5°57  | 20°13 | 5°19  | 24°34  | 20°13  | 21°33 | 12°44 | 0°20  | F 11 |
| S 12 | 21 23 8  | 19°33'58 | 7♌59  | 26°45 | 14°49  | 19°54 | 22°58 | 5°52  | 20°17 | 5°19  | 24°34  | 20°14  | 21°29 | 12°51 | 0°20  | S 12 |
| S 13 | 21 27 5  | 20°31'36 | 21°37 | 28°39 | 15° 5  | 20°32 | 23° 3 | 5°48  | 20°21 | 5°19  | 24°34  | 20°R15 | 21°26 | 12°58 | 0°19  | S 13 |
| M14  | 21 31 2  | 21°29'16 | 5♌35  | 0♌32  | 15°23  | 21°10 | 23° 7 | 5°44  | 20°24 | 5°19  | 24°34  | 20°14  | 21°23 | 13° 4 | 0°19  | M14  |
| T 15 | 21 34 58 | 22°26'57 | 19°54 | 2°24  | 15°43  | 21°48 | 23°12 | 5°39  | 20°28 | 5°18  | 24°34  | 20°12  | 21°20 | 13°11 | 0°18  | T 15 |
| W16  | 21 38 55 | 23°24'40 | 4♌31  | 4°14  | 16° 4  | 22°27 | 23°16 | 5°35  | 20°32 | 5°18  | 24°35  | 20° 9  | 21°17 | 13°18 | 0°17  | W16  |
| T 17 | 21 42 51 | 24°22'25 | 19°21 | 6° 3  | 16°28  | 23° 5 | 23°21 | 5°31  | 20°36 | 5°18  | 24°35  | 20° 5  | 21°13 | 13°25 | 0°17  | T 17 |
| F 18 | 21 46 48 | 25°20'11 | 4♌16  | 7°50  | 16°53  | 23°43 | 23°26 | 5°26  | 20°39 | 5°18  | 24°35  | 20° 2  | 21°10 | 13°31 | 0°16  | F 18 |
| S 19 | 21 50 44 | 26°17'58 | 19° 9 | 9°36  | 17°19  | 24°21 | 23°32 | 5°22  | 20°43 | 5°17  | 24°35  | 19°59  | 21° 7 | 13°38 | 0°15  | S 19 |
| S 20 | 21 54 41 | 27°15'47 | 3♌51  | 11°20 | 17°47  | 24°59 | 23°37 | 5°17  | 20°47 | 5°17  | 24°35  | 19°58  | 21° 4 | 13°45 | 0°14  | S 20 |
| M21  | 21 58 37 | 28°13'37 | 18°16 | 13° 3 | 18°17  | 25°38 | 23°42 | 5°13  | 20°51 | 5°17  | 24°35  | 19°D57 | 21° 1 | 13°51 | 0°13  | M21  |
| T 22 | 22 2 34  | 29°11'29 | 2♌19  | 14°45 | 18°48  | 26°16 | 23°48 | 5° 8  | 20°54 | 5°16  | 24°35  | 19°57  | 20°58 | 13°58 | 0°12  | T 22 |
| W23  | 22 6 31  | 0♌ 9'21  | 15°56 | 16°26 | 19°21  | 26°54 | 23°54 | 5° 4  | 20°58 | 5°16  | 24°35  | 19°58  | 20°54 | 14° 5 | 0°11  | W23  |
| T 24 | 22 10 27 | 1° 7'16  | 29° 8 | 18° 5 | 19°55  | 27°32 | 24° 0 | 4°59  | 21° 2 | 5°15  | 24°R35 | 20° 0  | 20°51 | 14°12 | 0°10  | T 24 |
| F 25 | 22 14 24 | 2° 5'11  | 11♌58 | 19°42 | 20°30  | 28°10 | 24° 6 | 4°55  | 21° 5 | 5°15  | 24°35  | 20° 1  | 20°48 | 14°18 | 0° 9  | F 25 |
| S 26 | 22 18 20 | 3° 3'08  | 24°27 | 21°19 | 21° 6  | 28°49 | 24°12 | 4°50  | 21° 9 | 5°14  | 24°35  | 20° 2  | 20°45 | 14°25 | 0° 8  | S 26 |
| S 27 | 22 22 17 | 4° 1'06  | 6♌40  | 22°54 | 21°44  | 29°27 | 24°19 | 4°45  | 21°13 | 5°13  | 24°35  | 20°R 2 | 20°42 | 14°32 | 0° 6  | S 27 |
| M28  | 22 26 13 | 4°59'05  | 18°42 | 24°28 | 22°23  | 0♌ 5  | 24°25 | 4°41  | 21°16 | 5°13  | 24°35  | 20° 1  | 20°39 | 14°38 | 0° 5  | M28  |
| T 29 | 22 30 10 | 5°57'06  | 0♌37  | 26° 0 | 23° 3  | 0°43  | 24°32 | 4°36  | 21°20 | 5°12  | 24°35  | 20° 0  | 20°35 | 14°45 | 0° 4  | T 29 |
| W30  | 22 34 6  | 6°55'08  | 12°29 | 27°31 | 23°44  | 1°21  | 24°39 | 4°32  | 21°24 | 5°11  | 24°35  | 19°59  | 20°32 | 14°52 | 0° 2  | W30  |
| T 31 | 22 38 3  | 7♌53'12  | 24♌22 | 29♌ 1 | 24♌26  | 1♌59  | 24♌46 | 4♌27  | 21♌27 | 5♌11  | 24♌35  | 19♌57  | 20♌29 | 14♌59 | 0♌ 1  | T 31 |

| Day  | ☉     | ☽        | ♂        | ♀        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        |
|------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|      | decl  | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat |
| T 1  | 18n 1 | 28s22    | 5s 9     | 20n37    | 1n30     | 16n 2    | 6s42     | 18n 3    | 1n 9     | 17s35    | 0n49     | 10s47    | 1s49     | 15n35    | 0n40     | 11n38    |
| W 2  | 17 46 | 28 24    | 5 0      | 20 10    | 1 34     | 16 3     | 6 41     | 17 53    | 1 9      | 17 36    | 0 49     | 10 48    | 1 49     | 15 34    | 0 40     | 11 38    |
| T 3  | 17 30 | 27 8     | 4 39     | 19 42    | 1 38     | 16 5     | 6 40     | 17 41    | 1 9      | 17 37    | 0 49     | 10 50    | 1 49     | 15 33    | 0 40     | 11 38    |
| F 4  | 17 14 | 24 38    | 4 6      | 19 11    | 1 41     | 16 7     | 6 39     | 17 30    | 1 9      | 17 38    | 0 49     | 10 51    | 1 49     | 15 32    | 0 40     | 11 38    |
| S 5  | 16 58 | 21 3     | 3 22     | 18 39    | 1 44     | 16 9     | 6 37     | 17 19    | 1 9      | 17 39    | 0 49     | 10 53    | 1 49     | 15 31    | 0 40     | 11 38    |
| S 6  | 16 42 | 16 34    | 2 28     | 18 4     | 1 45     | 16 11    | 6 34     | 17 8     | 1 9      | 17 40    | 0 48     | 10 54    | 1 49     | 15 30    | 0 40     | 11 38    |
| M 7  | 16 25 | 11 22    | 1 27     | 17 28    | 1 46     | 16 14    | 6 32     | 16 56    | 1 9      | 17 41    | 0 48     | 10 56    | 1 50     | 15 28    | 0 40     | 11 38    |
| T 8  | 16 8  | 5 41     | 0 20     | 16 51    | 1 46     | 16 16    | 6 29     | 16 44    | 1 9      | 17 42    | 0 48     | 10 58    | 1 50     | 15 27    | 0 40     | 11 38    |
| W 9  | 15 51 | 0n18     | 0n48     | 16 13    | 1 45     | 16 19    | 6 25     | 16 33    | 1 9      | 17 43    | 0 48     | 10 59    | 1 50     | 15 26    | 0 40     | 11 38    |
| T 10 | 15 33 | 6 23     | 1 55     | 15 33    | 1 44     | 16 22    | 6 21     | 16 21    | 1 9      | 17 44    | 0 47     | 11 1     | 1 50     | 15 25    | 0 40     | 11 38    |
| F 11 | 15 16 | 12 19    | 2 58     | 14 52    | 1 42     | 16 24    | 6 17     | 16 9     | 1 9      | 17 45    | 0 47     | 11 3     | 1 50     | 15 24    | 0 40     | 11 37    |
| S 12 | 14 58 | 17 50    | 3 52     | 14 11    | 1 40     | 16 27    | 6 13     | 15 57    | 1 9      | 17 46    | 0 47     | 11 4     | 1 50     | 15 23    | 0 40     | 11 37    |
| S 13 | 14 40 | 22 36    | 4 35     | 13 28    | 1 37     | 16 30    | 6 8      | 15 45    | 1 9      | 17 48    | 0 47     | 11 6     | 1 50     | 15 21    | 0 40     | 11 37    |
| M14  | 14 21 | 26 13    | 5 3      | 12 45    | 1 34     | 16 33    | 6 4      | 15 33    | 1 9      | 17 49    | 0 46     | 11 8     | 1 51     | 15 20    | 0 40     | 11 37    |
| T 15 | 14 2  | 28 17    | 5 13     | 12 2     | 1 30     | 16 36    | 5 59     | 15 20    | 1 9      | 17 50    | 0 46     | 11 10    | 1 51     | 15 19    | 0 40     | 11 37    |
| W16  | 13 44 | 28 26    | 5 3      | 11 18    | 1 26     | 16 38    | 5 53     | 15 8     | 1 9      | 17 52    | 0 46     | 11 11    | 1 51     | 15 18    | 0 40     | 11 37    |
| T 17 | 13 24 | 26 34    | 4 34     | 10 34    | 1 21     | 16 41    | 5 48     | 14 55    | 1 9      | 17 53    | 0 46     | 11 13    | 1 51     | 15 17    | 0 40     | 11 37    |
| F 18 | 13 5  | 22 51    | 3 45     | 9 49     | 1 16     | 16 44    | 5 43     | 14 42    | 1 9      | 17 55    | 0 46     | 11 15    | 1 51     | 15 15    | 0 40     | 11 37    |
| S 19 | 12 46 | 17 39    | 2 41     | 9 4      | 1 11     | 16 46    | 5 37     | 14 30    | 1 9      | 17 56    | 0 45     | 11 16    | 1 51     | 15 14    | 0 40     | 11 36    |
| S 20 | 12 26 | 11 27    | 1 27     | 8 19     | 1 5      | 16 48    | 5 31     | 14 17    | 1 9      | 17 58    | 0 45     | 11 18    | 1 51     | 15 13    | 0 40     | 11 36    |
| M21  | 12 6  | 4 47     | 0 9      | 7 34     | 0 59     | 16 50    | 5 25     | 14 4     | 1 9      | 17 59    | 0 45     | 11 20    | 1 51     | 15 12    | 0 40     | 11 36    |
| T 22 | 11 46 | 1s57     | 1s 8     | 6 49     | 0 53     | 16 52    | 5 19     | 13 51    | 1 9      | 18 1     | 0 45     | 11 22    | 1 51     | 15 11    | 0 40     | 11 36    |
| W23  | 11 26 | 8 24     | 2 18     | 6 4      | 0 46     | 16 54    | 5 13     | 13 38    | 1 9      | 18 3     | 0 44     | 11 23    | 1 51     | 15 10    | 0 41     | 11 36    |
| T 24 | 11 5  | 14 17    | 3 20     | 5 19     | 0 39     | 16 55    | 5 7      | 13 25    | 1 9      | 18 4     | 0 44     | 11 25    | 1 52     | 15 8     | 0 41     | 11 35    |
| F 25 | 10 44 | 19 23    | 4 9      | 4 34     | 0 32     | 16 56    | 5 0      | 13 11    | 1 9      | 18 6     | 0 44     | 11 27    | 1 52     | 15 7     | 0 41     | 11 35    |
| S 26 | 10 24 | 23 30    | 4 45     | 3 50     | 0 25     | 16 57    | 4 54     | 12 58    | 1 9      | 18 8     | 0 44     | 11 29    | 1 52     | 15 6     | 0 41     | 11 35    |
| S 27 | 10 3  | 26 29    | 5 7      | 3 5      | 0 18     | 16 58    | 4 48     | 12 45    | 1 9      | 18 10    | 0 44     | 11 30    | 1 52     | 15 5     | 0 41     | 11 35    |
| M28  | 9 41  | 28 13    | 5 16     | 2 21     | 0 10     | 16 58    | 4 41     | 12 31    | 1 9      | 18 11    | 0 43     | 11 32    | 1 52     | 15 4     | 0 41     | 11 34    |
| T 29 | 9 20  | 28 38    | 5 10     | 1 37     | 0 2      | 16 59    | 4 35     | 12 18    | 1 8      | 18 13    | 0 43     | 11 34    | 1 52     | 15 2     | 0 41     | 11 34    |
| W30  | 8 59  | 27 43    | 4 52     | 0 54     | 0s 6     | 16 58    | 4 28     | 12 4     | 1 8      | 18 15    | 0 43     | 11 36    | 1 52     | 15 1     | 0 41     | 11 34    |
| T 31 | 8n37  | 25s32    | 4s21     | 0n11     | 0s14     | 16n58    | 4s21     | 11n50    | 1n 8     | 18s17    | 0n43     | 11s37    | 1s52     | 15n 0    | 0n41     | 11n34    |

Julian Day Number = 2406467.5, Delta T = -1.86 sec

Ecliptic obliquity = 23°27'28", Nutation = 0°00'03", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°01'00", Lahiri = 22°08'01"

ASTRODIENST EPHEMERIS for the year 1876  
geocentric

SEPTEMBER 1876

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♂     | ♀     | ♂     | ♂     | ♂     | ♂     | ♂     | ♂      | ♂      | ♂     | ♂     | ♂      | Day  |
|------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|--------|------|
| F 1  | 22 42 0  | 8♍51°17  | 6♋20  | 0♊30  | 25♎9  | 2♍38  | 24♌53 | 4°R23 | 21♏31 | 5°R10 | 24°R35 | 19°R55 | 20♋26 | 15♎5  | 29°R59 | F 1  |
| S 2  | 22 45 56 | 9°49'24  | 18°26 | 1°57  | 25°53 | 3°16  | 25°0  | 4♋18  | 21°35 | 5♎9   | 24♋35  | 19♋54  | 20°23 | 15°12 | 29°Y58 | S 2  |
| S 3  | 22 49 53 | 10°47'32 | 0♋40  | 3°23  | 26°38 | 3°54  | 25°7  | 4°14  | 21°38 | 5°8   | 24°34  | 19°53  | 20°19 | 15°19 | 29°56  | S 3  |
| M 4  | 22 53 49 | 11°45'42 | 13°6  | 4°47  | 27°23 | 4°32  | 25°15 | 4°9   | 21°42 | 5°8   | 24°34  | 19°52  | 20°16 | 15°25 | 29°54  | M 4  |
| T 5  | 22 57 46 | 12°43'54 | 25°44 | 6°11  | 28°10 | 5°10  | 25°23 | 4°5   | 21°45 | 5°7   | 24°34  | 19°D52 | 20°13 | 15°32 | 29°53  | T 5  |
| W 6  | 23 1 42  | 13°42'07 | 8°Y35 | 7°32  | 28°58 | 5°49  | 25°30 | 4°0   | 21°49 | 5°6   | 24°34  | 19°53  | 20°10 | 15°39 | 29°51  | W 6  |
| T 7  | 23 5 39  | 14°40'22 | 21°39 | 8°53  | 29°46 | 6°27  | 25°38 | 3°56  | 21°52 | 5°5   | 24°33  | 19°53  | 20°7  | 15°46 | 29°49  | T 7  |
| F 8  | 23 9 35  | 15°38'40 | 4♋57  | 10°11 | 0♊35  | 7°5   | 25°46 | 3°51  | 21°56 | 5°4   | 24°33  | 19°54  | 20°4  | 15°52 | 29°47  | F 8  |
| S 9  | 23 13 32 | 16°36'59 | 18°28 | 11°29 | 1°25  | 7°43  | 25°55 | 3°47  | 21°59 | 5°3   | 24°33  | 19°54  | 20°0  | 15°59 | 29°46  | S 9  |
| S 10 | 23 17 29 | 17°35'21 | 2♊13  | 12°45 | 2°16  | 8°21  | 26°3  | 3°43  | 22°3  | 5°2   | 24°32  | 19°54  | 19°57 | 16°6  | 29°44  | S 10 |
| M11  | 23 21 25 | 18°33'45 | 16°11 | 13°59 | 3°7   | 9°0   | 26°11 | 3°38  | 22°6  | 5°1   | 24°32  | 19°R54 | 19°54 | 16°12 | 29°42  | M11  |
| T 12 | 23 25 22 | 19°32'11 | 0♋21  | 15°11 | 4°0   | 9°38  | 26°20 | 3°34  | 22°10 | 5°0   | 24°32  | 19°D54 | 19°51 | 16°19 | 29°40  | T 12 |
| W13  | 23 29 18 | 20°30'39 | 14°41 | 16°22 | 4°52  | 10°16 | 26°28 | 3°30  | 22°13 | 4°59  | 24°31  | 19°54  | 19°48 | 16°26 | 29°38  | W13  |
| T 14 | 23 33 15 | 21°29'09 | 29°7  | 17°30 | 5°46  | 10°54 | 26°37 | 3°25  | 22°16 | 4°58  | 24°31  | 19°54  | 19°45 | 16°32 | 29°36  | T 14 |
| F 15 | 23 37 11 | 22°27'42 | 13♏37 | 18°37 | 6°40  | 11°32 | 26°46 | 3°21  | 22°20 | 4°57  | 24°30  | 19°55  | 19°41 | 16°39 | 29°33  | F 15 |
| S 16 | 23 41 8  | 23°26'16 | 28°4  | 19°41 | 7°34  | 12°11 | 26°55 | 3°17  | 22°23 | 4°56  | 24°30  | 19°55  | 19°38 | 16°46 | 29°31  | S 16 |
| S 17 | 23 45 4  | 24°24'53 | 12♍24 | 20°44 | 8°29  | 12°49 | 27°4  | 3°13  | 22°27 | 4°54  | 24°30  | 19°55  | 19°35 | 16°53 | 29°29  | S 17 |
| M18  | 23 49 1  | 25°23'31 | 26°32 | 21°43 | 9°25  | 13°27 | 27°13 | 3°9   | 22°30 | 4°53  | 24°29  | 19°R55 | 19°32 | 16°59 | 29°27  | M18  |
| T 19 | 23 52 58 | 26°22'12 | 10♋23 | 22°41 | 10°21 | 14°5  | 27°23 | 3°5   | 22°33 | 4°52  | 24°29  | 19°55  | 19°29 | 17°6  | 29°24  | T 19 |
| W20  | 23 56 54 | 27°20'54 | 23°54 | 23°35 | 11°18 | 14°44 | 27°32 | 3°1   | 22°36 | 4°51  | 24°28  | 19°54  | 19°25 | 17°13 | 29°22  | W20  |
| T 21 | 0 0 51   | 28°19'39 | 7♌5   | 24°26 | 12°15 | 15°22 | 27°42 | 2°57  | 22°40 | 4°49  | 24°27  | 19°53  | 19°22 | 17°19 | 29°20  | T 21 |
| F 22 | 0 4 47   | 29°18'25 | 19°55 | 25°15 | 13°13 | 16°0  | 27°51 | 2°53  | 22°43 | 4°48  | 24°27  | 19°52  | 19°19 | 17°26 | 29°17  | F 22 |
| S 23 | 0 8 44   | 0♋17°13  | 2♋26  | 25°59 | 14°11 | 16°38 | 28°1  | 2°49  | 22°46 | 4°47  | 24°26  | 19°51  | 19°16 | 17°33 | 29°15  | S 23 |
| S 24 | 0 12 40  | 1°16'02  | 14°41 | 26°40 | 15°10 | 17°17 | 28°11 | 2°46  | 22°49 | 4°46  | 24°26  | 19°50  | 19°13 | 17°40 | 29°13  | S 24 |
| M25  | 0 16 37  | 2°14'54  | 26°44 | 27°17 | 16°9  | 17°55 | 28°21 | 2°42  | 22°52 | 4°44  | 24°25  | 19°D49 | 19°10 | 17°46 | 29°10  | M25  |
| T 26 | 0 20 33  | 3°13'47  | 8♋40  | 27°49 | 17°9  | 18°33 | 28°31 | 2°38  | 22°55 | 4°43  | 24°24  | 19°49  | 19°6  | 17°53 | 29°8   | T 26 |
| W27  | 0 24 30  | 4°12'42  | 20°32 | 28°16 | 18°9  | 19°11 | 28°41 | 2°35  | 22°58 | 4°41  | 24°24  | 19°50  | 19°3  | 18°0  | 29°5   | W27  |
| T 28 | 0 28 27  | 5°11'39  | 2♋26  | 28°38 | 19°9  | 19°50 | 28°51 | 2°31  | 23°1  | 4°40  | 24°23  | 19°51  | 19°0  | 18°6  | 29°2   | T 28 |
| F 29 | 0 32 23  | 6°10'37  | 14°25 | 28°54 | 20°10 | 20°28 | 29°2  | 2°28  | 23°4  | 4°39  | 24°22  | 19°52  | 18°57 | 18°13 | 29°0   | F 29 |
| S 30 | 0 36 20  | 7♋9°37   | 26♋35 | 29♋5  | 21♏11 | 21♍6  | 29♌12 | 2♋25  | 23♏7  | 4♋37  | 24♋22  | 19♋54  | 18♋54 | 18♎20 | 28°Y57 | 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 |
| F 1  | 8n15 | 22s13 | 3s38 | 0s32  | 0s22 | 16n57 | 4s15 | 11n36 | 1n 8 | 18s19 | 0n43 | 11s39 | 1s52 | 14n59 | 0n41 | 11n33 | 1s48 | 5n 2 | 14s18 | 4s 0 | 3s48 | 27s15 | 11n39 | 0n11 |     |
| S 2  | 7 54 | 17 56 | 2 45 | 1 14  | 0 30 | 16 56 | 4 8  | 11 23 | 1 8  | 18 21 | 0 42 | 11 41 | 1 52 | 14 58 | 0 41 | 11 33 | 1 48 | 5 2  | 14 18 | 4 0  | 3 49 | 27 14 | 11 38 | 0 11 |     |
| S 3  | 7 32 | 12 52 | 1 44 | 1 56  | 0 38 | 16 54 | 4 1  | 11 9  | 1 8  | 18 23 | 0 42 | 11 42 | 1 52 | 14 57 | 0 41 | 11 33 | 1 48 | 5 2  | 14 18 | 4 1  | 3 50 | 27 13 | 11 37 | 0 11 |     |
| M 4  | 7 9  | 7 13  | 0 37 | 2 37  | 0 47 | 16 52 | 3 54 | 10 55 | 1 8  | 18 25 | 0 42 | 11 44 | 1 52 | 14 56 | 0 41 | 11 32 | 1 48 | 5 1  | 14 19 | 4 1  | 3 51 | 27 12 | 11 37 | 0 10 |     |
| T 5  | 6 47 | 1 12  | 0n32 | 3 18  | 0 55 | 16 49 | 3 48 | 10 41 | 1 8  | 18 27 | 0 42 | 11 46 | 1 52 | 14 54 | 0 41 | 11 32 | 1 48 | 5 1  | 14 19 | 4 1  | 3 53 | 27 10 | 11 36 | 0 10 |     |
| W 6  | 6 25 | 4n58  | 1 42 | 3 58  | 1 3  | 16 47 | 3 41 | 10 26 | 1 8  | 18 29 | 0 42 | 11 47 | 1 52 | 14 53 | 0 41 | 11 32 | 1 48 | 5 1  | 14 19 | 4 1  | 3 54 | 27 9  | 11 35 | 0 10 |     |
| T 7  | 6 2  | 11 2  | 2 47 | 4 37  | 1 12 | 16 43 | 3 34 | 10 12 | 1 8  | 18 31 | 0 41 | 11 49 | 1 52 | 14 52 | 0 41 | 11 31 | 1 49 | 5 0  | 14 19 | 4 1  | 3 55 | 27 8  | 11 35 | 0 10 |     |
| F 8  | 5 40 | 16 42 | 3 45 | 5 16  | 1 20 | 16 40 | 3 27 | 9 58  | 1 8  | 18 33 | 0 41 | 11 51 | 1 52 | 14 51 | 0 41 | 11 31 | 1 49 | 5 0  | 14 20 | 4 0  | 3 56 | 27 7  | 11 34 | 0 10 |     |
| S 9  | 5 17 | 21 40 | 4 31 | 5 54  | 1 29 | 16 36 | 3 21 | 9 44  | 1 8  | 18 35 | 0 41 | 11 52 | 1 52 | 14 50 | 0 41 | 11 31 | 1 49 | 5 0  | 14 20 | 4 0  | 3 58 | 27 6  | 11 33 | 0 10 |     |
| S 10 | 4 54 | 25 33 | 5 2  | 6 31  | 1 37 | 16 31 | 3 14 | 9 29  | 1 8  | 18 37 | 0 41 | 11 54 | 1 52 | 14 49 | 0 41 | 11 30 | 1 49 | 4 59 | 14 20 | 4 0  | 3 59 | 27 4  | 11 32 | 0 10 |     |
| M11  | 4 32 | 27 59 | 5 16 | 7 8   | 1 45 | 16 26 | 3 7  | 9 15  | 1 8  | 18 39 | 0 41 | 11 56 | 1 52 | 14 48 | 0 41 | 11 30 | 1 49 | 4 59 | 14 20 | 4 0  | 4 0  | 27 3  | 11 32 | 0 10 |     |
| T 12 | 4 9  | 28 39 | 5 12 | 7 44  | 1 54 | 16 21 | 3 1  | 9 0   | 1 7  | 18 42 | 0 40 | 11 57 | 1 52 | 14 47 | 0 41 | 11 29 | 1 49 | 4 59 | 14 21 | 4 0  | 4 1  | 27 2  | 11 31 | 0 10 |     |
| W13  | 3 46 | 27 25 | 4 48 | 8 19  | 2 2  | 16 15 | 2 54 | 8 46  | 1 7  | 18 44 | 0 40 | 11 59 | 1 52 | 14 46 | 0 41 | 11 29 | 1 49 | 4 58 | 14 21 | 4 0  | 4 3  | 27 1  | 11 30 | 0 10 |     |
| T 14 | 3 23 | 24 21 | 4 6  | 8 52  | 2 10 | 16 8  | 2 47 | 8 31  | 1 7  | 18 46 | 0 40 | 12 0  | 1 52 | 14 44 | 0 41 | 11 29 | 1 49 | 4 58 | 14 21 | 4 0  | 4 4  | 27 0  | 11 29 | 0 10 |     |
| F 15 | 3 0  | 19 45 | 3 8  | 9 25  | 2 18 | 16 2  | 2 41 | 8 17  | 1 7  | 18 48 | 0 40 | 12 2  | 1 52 | 14 43 | 0 41 | 11 28 | 1 49 | 4 58 | 14 21 | 4 0  | 4 5  | 26 58 | 11 28 | 0 10 |     |
| S 16 | 2 36 | 14 0  | 1 58 | 9 57  | 2 25 | 15 54 | 2 34 | 8 2   | 1 7  | 18 50 | 0 40 | 12 3  | 1 52 | 14 42 | 0 41 | 11 28 | 1 49 | 4 58 | 14 22 | 4 0  | 4 6  | 26 57 | 11 28 | 0 10 |     |
| S 17 | 2 13 | 7 33  | 0 42 | 10 28 | 2 33 | 15 47 | 2 28 | 7 47  | 1 7  | 18 53 | 0 39 | 12 5  | 1 52 | 14 41 | 0 41 | 11 27 | 1 49 | 4 57 | 14 22 | 4 0  | 4 8  | 26 56 | 11 27 | 0 9  |     |
| M18  | 1 50 | 0 49  | 0s37 | 10 57 | 2 40 | 15 39 | 2 21 | 7 32  | 1 7  | 18 55 | 0 39 | 12 6  | 1 52 | 14 40 | 0 41 | 11 27 | 1 49 | 4 57 | 14 22 | 4 0  | 4 9  | 26 54 | 11 26 | 0 9  |     |
| T 19 | 1 27 | 5s49  | 1 51 | 11 25 | 2 48 | 15 30 | 2 15 | 7 17  | 1 7  | 18 57 | 0 39 | 12 8  | 1 52 | 14 39 | 0 41 | 11 26 | 1 49 | 4 56 | 14 22 | 4 0  | 4 10 | 26 53 | 11 25 | 0 9  |     |
| W20  | 1 3  | 12 2  | 2 57 | 11 52 | 2 55 | 15 21 | 2 8  | 7 3   | 1 7  | 19 0  | 0 39 | 12 9  | 1 52 | 14 38 | 0 41 | 11 26 | 1 49 | 4 56 | 14 23 | 4 0  | 4 11 | 26 52 | 11 24 | 0 9  |     |
| T 21 | 0 40 | 17 33 | 3 52 | 12 17 | 3 1  | 15 11 | 2 2  | 6 48  | 1 7  | 19 2  | 0 39 | 12 10 | 1 52 | 14 37 | 0 41 | 11 26 | 1 49 | 4 56 | 14 23 | 4 1  | 4 13 | 26 51 | 11 23 | 0 9  |     |
| F 22 | 0 17 | 22 8  | 4 34 | 12 41 | 3 7  | 15 1  | 1 56 | 6 33  | 1 6  | 19 4  | 0 39 | 12 12 | 1 52 | 14 36 | 0 41 | 11 25 | 1 49 | 4 55 | 14 23 | 4 1  | 4 14 | 26 49 | 11 22 | 0 9  |     |
| S 23 | 0s 7 | 25 36 | 5 2  | 13 3  | 3 13 | 14 51 | 1 49 | 6 18  | 1 6  | 19 7  | 0 38 | 12 13 | 1 52 | 14 35 | 0 41 | 11 25 | 1 49 | 4 55 | 14 23 | 4 1  | 4 15 | 26 48 | 11 21 | 0 9  |     |
| S 24 | 0 30 | 27 48 | 5 15 | 13 22 | 3 19 | 14 39 | 1 43 | 6 3   | 1 6  | 19 9  | 0 38 | 12 14 | 1 52 | 14 34 | 0 41 | 11 24 | 1 49 | 4 55 | 14 23 | 4 2  | 4 16 | 26 47 | 11 20 | 0 9  |     |
| M25  | 0 54 | 28 39 | 5 14 | 13 40 | 3 23 | 14 28 | 1 37 | 5 48  | 1 6  | 19 11 | 0 38 | 12 16 | 1 52 | 14 33 | 0 41 | 11 24 | 1 49 | 4 54 | 14 24 | 4 2  | 4 18 | 26 45 | 11 19 | 0 9  |     |
| T 26 | 1 17 | 28 9  | 4 59 | 13 56 | 3 28 | 14 16 | 1 31 | 5 33  | 1 6  | 19 14 | 0 38 | 12 17 | 1 52 | 14 32 | 0 41 | 11 23 | 1 49 | 4 54 | 14 24 | 4 2  | 4 19 | 26 44 | 11 19 | 0 9  |     |
| W27  | 1 41 | 26 22 | 4 32 | 14 9  | 3 31 | 14 4  | 1 25 | 5 17  | 1 6  | 19 16 | 0 38 | 12 18 | 1 52 | 14 31 | 0 41 | 11 23 | 1 49 | 4 54 | 14 24 | 4 2  | 4 20 | 26 43 | 11 18 | 0 9  |     |
| T 28 | 2 4  | 23 25 | 3 53 | 14 20 | 3 34 | 13 51 | 1 19 | 5 2   | 1 6  | 19 19 | 0 38 | 12 19 | 1 52 | 14 30 | 0 41 | 11 22 | 1 49 | 4 53 | 14 24 | 4 1  | 4 21 | 26 41 | 11 17 | 0 9  |     |
| F 29 | 2 27 | 19 27 | 3 4  | 14 28 | 3 36 | 13 37 | 1 13 | 4 47  | 1 6  | 19 21 | 0 37 | 12 21 | 1 52 | 14 29 | 0 41 | 11 22 | 1 49 | 4 53 | 14 24 | 4 1  | 4 23 | 26 40 | 11 16 | 0 9  |     |
| S 30 | 2s51 | 14s37 | 2s 5 | 14s32 | 3s37 | 13n24 | 1s 7 | 4n32  | 1n 5 | 19s23 | 0n37 | 12s22 | 1s52 | 14n28 | 0n41 | 11n21 | 1s49 | 4n53 | 14s25 | 4s 0 | 4s24 | 26s39 | 11n15 | 0n 8 |     |

ASTRODIENST EPHEMERIS for the year 1876  
geocentric

OCTOBER 1876

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♂      | ♀     | ♂     | ♂     | ♂     | ♂     | ♂     | ♂      | ♂      | ♂     | ♂     | ♂      | Day  |
|------|---------|----------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|--------|------|
| S 1  | 0 40 16 | 8♂ 8'40  | 8♂ 59 | 29°R 8 | 22♂12 | 21♂45 | 29♂23 | 2°R21 | 23♂10 | 4°R36 | 24°R21 | 19♂55  | 18♂51 | 18♂26 | 28°R55 | S 1  |
| M 2  | 0 44 13 | 9° 7'44  | 21°38 | 29♂ 5  | 23°14 | 22°23 | 29°33 | 2♂18  | 23°13 | 4♂34  | 24♂20  | 19°R55 | 18°47 | 18°33 | 28°Y52 | M 2  |
| T 3  | 0 48 9  | 10° 6'50 | 4♂34  | 28°54  | 24°17 | 23° 1 | 29°44 | 2°15  | 23°16 | 4°33  | 24°20  | 19°54  | 18°44 | 18°40 | 28°49  | T 3  |
| W 4  | 0 52 6  | 11° 5'57 | 17°48 | 28°36  | 25°19 | 23°40 | 29°55 | 2°12  | 23°19 | 4°31  | 24°19  | 19°53  | 18°41 | 18°47 | 28°47  | W 4  |
| T 5  | 0 56 2  | 12° 5'08 | 1♂18  | 28°10  | 26°22 | 24°18 | 0♂ 6  | 2° 9  | 23°21 | 4°30  | 24°18  | 19°50  | 18°38 | 18°53 | 28°44  | T 5  |
| F 6  | 0 59 59 | 13° 4'20 | 15° 2 | 27°35  | 27°25 | 24°56 | 0°17  | 2° 6  | 23°24 | 4°28  | 24°17  | 19°47  | 18°35 | 19° 0 | 28°41  | F 6  |
| S 7  | 1 3 55  | 14° 3'34 | 28°57 | 26°53  | 28°29 | 25°35 | 0°28  | 2° 3  | 23°27 | 4°27  | 24°16  | 19°43  | 18°31 | 19° 7 | 28°38  | S 7  |
| S 8  | 1 7 52  | 15° 2'51 | 13♂1  | 26° 3  | 29°33 | 26°13 | 0°39  | 2° 1  | 23°30 | 4°25  | 24°16  | 19°40  | 18°28 | 19°13 | 28°36  | S 8  |
| M 9  | 1 11 49 | 16° 2'11 | 27° 9 | 25° 6  | 0♂37  | 26°51 | 0°50  | 1°58  | 23°32 | 4°23  | 24°15  | 19°38  | 18°25 | 19°20 | 28°33  | M 9  |
| T 10 | 1 15 45 | 17° 1'32 | 11♂21 | 24° 3  | 1°42  | 27°30 | 1° 2  | 1°56  | 23°35 | 4°22  | 24°14  | 19°D37 | 18°22 | 19°27 | 28°30  | T 10 |
| W11  | 1 19 42 | 18° 0'56 | 25°32 | 22°55  | 2°46  | 28° 8 | 1°13  | 1°53  | 23°37 | 4°20  | 24°13  | 19°37  | 18°19 | 19°33 | 28°27  | W11  |
| T 12 | 1 23 38 | 19° 0'23 | 9♂21  | 21°44  | 3°51  | 28°46 | 1°24  | 1°51  | 23°40 | 4°19  | 24°12  | 19°38  | 18°16 | 19°40 | 28°24  | T 12 |
| F 13 | 1 27 35 | 19°59'51 | 23°46 | 20°31  | 4°57  | 29°25 | 1°36  | 1°48  | 23°42 | 4°17  | 24°11  | 19°39  | 18°12 | 19°47 | 28°21  | F 13 |
| S 14 | 1 31 31 | 20°59'22 | 7♂46  | 19°19  | 6° 2  | 0♂ 3  | 1°48  | 1°46  | 23°45 | 4°15  | 24°10  | 19°41  | 18° 9 | 19°54 | 28°19  | S 14 |
| S 15 | 1 35 28 | 21°58'55 | 21°38 | 18° 9  | 7° 8  | 0°42  | 1°59  | 1°44  | 23°47 | 4°14  | 24° 9  | 19°R41 | 18° 6 | 20° 0 | 28°16  | S 15 |
| M16  | 1 39 24 | 22°58'30 | 5♂20  | 17° 4  | 8°14  | 1°20  | 2°11  | 1°42  | 23°49 | 4°12  | 24° 8  | 19°40  | 18° 3 | 20° 7 | 28°13  | M16  |
| T 17 | 1 43 21 | 23°58'07 | 18°51 | 16° 5  | 9°21  | 1°58  | 2°23  | 1°40  | 23°52 | 4°11  | 24° 7  | 19°37  | 18° 0 | 20°14 | 28°10  | T 17 |
| W18  | 1 47 18 | 24°57'47 | 2♂ 7  | 15°15  | 10°27 | 2°37  | 2°35  | 1°38  | 23°54 | 4° 9  | 24° 7  | 19°33  | 17°56 | 20°20 | 28° 7  | W18  |
| T 19 | 1 51 14 | 25°57'28 | 15° 8 | 14°34  | 11°34 | 3°15  | 2°47  | 1°37  | 23°56 | 4° 7  | 24° 6  | 19°27  | 17°53 | 20°27 | 28° 4  | T 19 |
| F 20 | 1 55 11 | 26°57'12 | 27°52 | 14° 4  | 12°41 | 3°54  | 2°59  | 1°35  | 23°58 | 4° 6  | 24° 5  | 19°20  | 17°50 | 20°34 | 28° 1  | F 20 |
| S 21 | 1 59 7  | 27°56'57 | 10♂20 | 13°45  | 13°49 | 4°32  | 3°11  | 1°34  | 24° 1 | 4° 4  | 24° 4  | 19°13  | 17°47 | 20°41 | 27°58  | S 21 |
| S 22 | 2 3 4   | 28°56'44 | 22°34 | 13°D37 | 14°56 | 5°11  | 3°23  | 1°32  | 24° 3 | 4° 2  | 24° 3  | 19° 7  | 17°44 | 20°47 | 27°55  | S 22 |
| M23  | 2 7 0   | 29°56'33 | 4♂36  | 13°41  | 16° 4 | 5°49  | 3°35  | 1°31  | 24° 5 | 4° 1  | 24° 2  | 19° 2  | 17°41 | 20°54 | 27°52  | M23  |
| T 24 | 2 10 57 | 0♂56'24  | 16°31 | 13°55  | 17°12 | 6°28  | 3°47  | 1°30  | 24° 7 | 3°59  | 24° 1  | 18°59  | 17°37 | 21° 1 | 27°50  | T 24 |
| W25  | 2 14 53 | 1°56'16  | 28°22 | 14°20  | 18°20 | 7° 6  | 4° 0  | 1°28  | 24° 9 | 3°57  | 24° 0  | 18°D58 | 17°34 | 21° 7 | 27°47  | W25  |
| T 26 | 2 18 50 | 2°56'10  | 10♂14 | 14°54  | 19°28 | 7°45  | 4°12  | 1°27  | 24°10 | 3°55  | 23°59  | 18°58  | 17°31 | 21°14 | 27°44  | T 26 |
| F 27 | 2 22 47 | 3°56'06  | 22°13 | 15°37  | 20°36 | 8°23  | 4°24  | 1°26  | 24°12 | 3°54  | 23°57  | 18°59  | 17°28 | 21°21 | 27°41  | F 27 |
| S 28 | 2 26 43 | 4°56'03  | 4♂23  | 16°28  | 21°45 | 9° 2  | 4°37  | 1°26  | 24°14 | 3°52  | 23°56  | 19° 1  | 17°25 | 21°27 | 27°38  | S 28 |
| S 29 | 2 30 40 | 5°56'02  | 16°50 | 17°26  | 22°54 | 9°40  | 4°49  | 1°25  | 24°16 | 3°50  | 23°55  | 19°R 2 | 17°22 | 21°34 | 27°35  | S 29 |
| M30  | 2 34 36 | 6°56'02  | 29°36 | 18°30  | 24° 3 | 10°19 | 5° 2  | 1°24  | 24°18 | 3°49  | 23°54  | 19° 1  | 17°18 | 21°41 | 27°32  | M30  |
| T 31 | 2 38 33 | 7♂56'05  | 12♂46 | 19♂39  | 25♂12 | 10♂57 | 5♂15  | 1♂24  | 24♂19 | 3♂47  | 23♂53  | 18♂59  | 17♂15 | 21♂48 | 27♂29  | T 31 |

| Day  | ☉     | ☽        | ♂        | ♀        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        | ♂        |
|------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|      | decl  | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat |
| S 1  | 3s14  | 9s 8     | 1s 0     | 14s34    | 3s38     | 13n 9    | 1s 1     | 4n17     | 1n 5     | 19s26    | 0n37     | 12s23    | 1s52     | 14n27    | 0n41     | 11n21    |
| M 2  | 3 37  | 3 11     | 0n 9     | 14 32    | 3 36     | 12 55    | 0 55     | 4 1      | 1 5      | 19 28    | 0 37     | 12 24    | 1 52     | 14 26    | 0 41     | 11 20    |
| T 3  | 4 1   | 3n 2     | 1 20     | 14 26    | 3 34     | 12 40    | 0 50     | 3 46     | 1 5      | 19 31    | 0 37     | 12 25    | 1 52     | 14 26    | 0 41     | 11 20    |
| W 4  | 4 24  | 9 16     | 2 27     | 14 15    | 3 30     | 12 24    | 0 44     | 3 31     | 1 5      | 19 33    | 0 37     | 12 26    | 1 52     | 14 25    | 0 41     | 11 19    |
| T 5  | 4 47  | 15 11    | 3 28     | 14 1     | 3 25     | 12 8     | 0 38     | 3 15     | 1 5      | 19 36    | 0 36     | 12 27    | 1 52     | 14 24    | 0 41     | 11 19    |
| F 6  | 5 10  | 20 28    | 4 18     | 13 42    | 3 18     | 11 52    | 0 33     | 3 0      | 1 5      | 19 38    | 0 36     | 12 28    | 1 52     | 14 23    | 0 41     | 11 18    |
| S 7  | 5 33  | 24 42    | 4 53     | 13 18    | 3 9      | 11 35    | 0 28     | 2 45     | 1 4      | 19 41    | 0 36     | 12 29    | 1 51     | 14 22    | 0 41     | 11 17    |
| S 8  | 5 56  | 27 31    | 5 11     | 12 50    | 2 58     | 11 17    | 0 22     | 2 29     | 1 4      | 19 43    | 0 36     | 12 30    | 1 51     | 14 21    | 0 42     | 11 17    |
| M 9  | 6 19  | 28 36    | 5 11     | 12 18    | 2 46     | 11 0     | 0 17     | 2 14     | 1 4      | 19 45    | 0 36     | 12 31    | 1 51     | 14 20    | 0 42     | 11 16    |
| T 10 | 6 42  | 27 49    | 4 51     | 11 41    | 2 32     | 10 42    | 0 12     | 1 58     | 1 4      | 19 48    | 0 36     | 12 32    | 1 51     | 14 19    | 0 42     | 11 16    |
| W11  | 7 4   | 25 13    | 4 14     | 11 1     | 2 15     | 10 23    | 0 7      | 1 43     | 1 4      | 19 50    | 0 36     | 12 32    | 1 51     | 14 19    | 0 42     | 11 15    |
| T 12 | 7 27  | 21 4     | 3 22     | 10 18    | 1 58     | 10 4     | 0 2      | 1 28     | 1 3      | 19 53    | 0 35     | 12 33    | 1 51     | 14 18    | 0 42     | 11 15    |
| F 13 | 7 49  | 15 46    | 2 17     | 9 33     | 1 39     | 9 45     | 0n 3     | 1 12     | 1 3      | 19 55    | 0 35     | 12 34    | 1 51     | 14 17    | 0 42     | 11 14    |
| S 14 | 8 12  | 9 40     | 1 5      | 8 47     | 1 19     | 9 25     | 0 8      | 0 57     | 1 3      | 19 58    | 0 35     | 12 35    | 1 51     | 14 16    | 0 42     | 11 14    |
| S 15 | 8 34  | 3 9      | 0s11     | 8 1      | 0 59     | 9 5      | 0 12     | 0 41     | 1 3      | 20 0     | 0 35     | 12 35    | 1 51     | 14 16    | 0 42     | 11 13    |
| M16  | 8 56  | 3s25     | 1 24     | 7 17     | 0 38     | 8 45     | 0 17     | 0 26     | 1 3      | 20 0     | 0 35     | 12 36    | 1 51     | 14 15    | 0 42     | 11 12    |
| T 17 | 9 18  | 9 44     | 2 32     | 6 36     | 0 17     | 8 24     | 0 22     | 0 10     | 1 3      | 20 5     | 0 35     | 12 37    | 1 51     | 14 14    | 0 42     | 11 12    |
| W18  | 9 40  | 15 30    | 3 30     | 5 58     | 0n 2     | 8 3      | 0 26     | 0s 5     | 1 2      | 20 8     | 0 35     | 12 37    | 1 50     | 14 13    | 0 42     | 11 11    |
| T 19 | 10 2  | 20 28    | 4 16     | 5 25     | 0 21     | 7 42     | 0 30     | 0 21     | 1 2      | 20 10    | 0 34     | 12 38    | 1 50     | 14 13    | 0 42     | 11 11    |
| F 20 | 10 24 | 24 23    | 4 48     | 4 35     | 0 39     | 7 20     | 0 35     | 0 36     | 1 2      | 20 13    | 0 34     | 12 38    | 1 50     | 14 12    | 0 42     | 11 10    |
| S 21 | 10 45 | 27 4     | 5 6      | 4 57     | 0 55     | 6 58     | 0 39     | 0 52     | 1 2      | 20 15    | 0 34     | 12 39    | 1 50     | 14 11    | 0 42     | 11 10    |
| S 22 | 11 6  | 28 24    | 5 9      | 4 18     | 1 10     | 6 36     | 0 43     | 1 7      | 1 2      | 20 17    | 0 34     | 12 39    | 1 50     | 14 11    | 0 42     | 11 9     |
| M23  | 11 28 | 28 21    | 4 58     | 4 8      | 1 23     | 6 13     | 0 47     | 1 22     | 1 1      | 20 20    | 0 34     | 12 39    | 1 50     | 14 10    | 0 42     | 11 8     |
| T 24 | 11 49 | 26 59    | 4 35     | 4 3      | 1 34     | 5 50     | 0 51     | 1 38     | 1 1      | 20 22    | 0 34     | 12 40    | 1 50     | 14 9     | 0 42     | 11 8     |
| W25  | 12 9  | 24 25    | 4 0      | 4 3      | 1 44     | 5 27     | 0 54     | 1 53     | 1 1      | 20 25    | 0 34     | 12 40    | 1 50     | 14 9     | 0 42     | 11 7     |
| T 26 | 12 30 | 20 48    | 3 14     | 4 9      | 1 52     | 5 4      | 0 58     | 2 9      | 1 1      | 20 27    | 0 33     | 12 40    | 1 50     | 14 8     | 0 42     | 11 7     |
| F 27 | 12 50 | 16 19    | 2 20     | 4 20     | 1 58     | 4 40     | 1 2      | 2 24     | 1 1      | 20 30    | 0 33     | 12 41    | 1 50     | 14 8     | 0 42     | 11 6     |
| S 28 | 13 11 | 11 8     | 1 18     | 4 35     | 2 3      | 4 16     | 1 5      | 2 39     | 1 0      | 20 32    | 0 33     | 12 41    | 1 49     | 14 7     | 0 42     | 11 6     |
| S 29 | 13 31 | 5 23     | 0 12     | 4 53     | 2 7      | 3 52     | 1 8      | 2 55     | 1 0      | 20 34    | 0 33     | 12 41    | 1 49     | 14 7     | 0 42     | 11 5     |
| M30  | 13 50 | 0n43     | 0n57     | 5 16     | 2 9      | 3 28     | 1 12     | 3 10     | 1 0      | 20 37    | 0 33     | 12 41    | 1 49     | 14 6     | 0 42     | 11 4     |
| T 31 | 14s10 | 6n57     | 2n 4     | 5s41     | 2n11     | 3n 3     | 1n15     | 3s25     | 1n 0     | 20s39    | 0n33     | 12s41    | 1s49     | 14n 6    | 0n42     | 11n 4    |

Julian Day Number = 2406528.5, Delta T = -1.93 sec  
Ecliptic obliquity = 23°27'29", Nutation = 0°00'03", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 23°01'09", Lahiri = 22°08'09"

ASTRODIENST EPHEMERIS for the year 1876  
geocentric

NOVEMBER 1876

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♂     | ♀     | ♂     | ♂     | ♂     | ♂      | ♂     | ♂      | ♂      | ♂     | ♂     | ♂      | Day  |
|------|---------|----------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|-------|-------|--------|------|
| W 1  | 2 42 29 | 8♌56°09  | 26♏18 | 20♊53 | 26♏21 | 11♊36 | 5♏27  | 1°R23 | 24♏21  | 3°R45 | 23°R52 | 18°R54 | 17♏12 | 21♊54 | 27°R27 | W 1  |
| T 2  | 2 46 26 | 9°56'14  | 10♏12 | 22°11 | 27°31 | 12°14 | 5°40  | 1♏23  | 24°22  | 3♏44  | 23♏51  | 18♏47  | 17° 9 | 22° 1 | 27°Y24 | T 2  |
| F 3  | 2 50 22 | 10°56'22 | 24°24 | 23°33 | 28°40 | 12°53 | 5°53  | 1°23  | 24°24  | 3°42  | 23°50  | 18°39  | 17° 6 | 22° 8 | 27°21  | F 3  |
| S 4  | 2 54 19 | 11°56'32 | 8♏49  | 24°57 | 29°50 | 13°31 | 6° 6  | 1°D23 | 24°25  | 3°40  | 23°49  | 18°30  | 17° 2 | 22°14 | 27°18  | S 4  |
| S 5  | 2 58 16 | 12°56'44 | 23°20 | 26°24 | 1♊ 0  | 14°10 | 6°19  | 1°23  | 24°27  | 3°39  | 23°48  | 18°21  | 16°59 | 22°21 | 27°15  | S 5  |
| M 6  | 3 2 12  | 13°56'57 | 7♏51  | 27°52 | 2°10  | 14°49 | 6°31  | 1°23  | 24°28  | 3°37  | 23°47  | 18°15  | 16°56 | 22°28 | 27°13  | M 6  |
| T 7  | 3 6 9   | 14°57'13 | 22°16 | 29°22 | 3°21  | 15°27 | 6°44  | 1°23  | 24°29  | 3°35  | 23°46  | 18°10  | 16°53 | 22°34 | 27°10  | T 7  |
| W 8  | 3 10 5  | 15°57'31 | 6♏32  | 0♌54  | 4°31  | 16° 6 | 6°57  | 1°23  | 24°30  | 3°34  | 23°44  | 18° 8  | 16°50 | 22°41 | 27° 7  | W 8  |
| T 9  | 3 14 2  | 16°57'51 | 20°36 | 2°27  | 5°42  | 16°45 | 7°10  | 1°24  | 24°32  | 3°32  | 23°43  | 18°D 8 | 16°47 | 22°48 | 27° 5  | T 9  |
| F 10 | 3 17 58 | 17°58'12 | 4♏27  | 4° 0  | 6°52  | 17°23 | 7°23  | 1°24  | 24°33  | 3°30  | 23°42  | 18° 8  | 16°43 | 22°54 | 27° 2  | F 10 |
| S 11 | 3 21 55 | 18°58'36 | 18° 7 | 5°34  | 8° 3  | 18° 2 | 7°37  | 1°25  | 24°34  | 3°29  | 23°41  | 18°R 9 | 16°40 | 23° 1 | 26°59  | S 11 |
| S 12 | 3 25 51 | 19°59'01 | 1♊35  | 7° 9  | 9°14  | 18°41 | 7°50  | 1°26  | 24°35  | 3°27  | 23°40  | 18° 8  | 16°37 | 23° 8 | 26°57  | S 12 |
| M13  | 3 29 48 | 20°59'29 | 14°52 | 8°44  | 10°25 | 19°19 | 8° 3  | 1°26  | 24°36  | 3°26  | 23°39  | 18° 5  | 16°34 | 23°15 | 26°54  | M13  |
| T 14 | 3 33 45 | 21°59'58 | 27°59 | 10°19 | 11°36 | 19°58 | 8°16  | 1°27  | 24°37  | 3°24  | 23°38  | 17°59  | 16°31 | 23°21 | 26°51  | T 14 |
| W15  | 3 37 41 | 23° 0'29 | 10♌54 | 11°55 | 12°48 | 20°37 | 8°29  | 1°28  | 24°38  | 3°22  | 23°37  | 17°50  | 16°28 | 23°28 | 26°49  | W15  |
| T 16 | 3 41 38 | 24° 1'02 | 23°38 | 13°30 | 13°59 | 21°15 | 8°43  | 1°30  | 24°38  | 3°21  | 23°35  | 17°39  | 16°24 | 23°35 | 26°46  | T 16 |
| F 17 | 3 45 34 | 25° 1'36 | 6♏10  | 15° 6 | 15°11 | 21°54 | 8°56  | 1°31  | 24°39  | 3°19  | 23°34  | 17°26  | 16°21 | 23°41 | 26°44  | F 17 |
| S 18 | 3 49 31 | 26° 2'12 | 18°30 | 16°41 | 16°22 | 22°33 | 9° 9  | 1°32  | 24°40  | 3°18  | 23°33  | 17°13  | 16°18 | 23°48 | 26°41  | S 18 |
| S 19 | 3 53 27 | 27° 2'49 | 0♊39  | 18°17 | 17°34 | 23°11 | 9°22  | 1°34  | 24°40  | 3°16  | 23°32  | 17° 1  | 16°15 | 23°55 | 26°39  | S 19 |
| M20  | 3 57 24 | 28° 3'27 | 12°38 | 19°52 | 18°46 | 23°50 | 9°36  | 1°35  | 24°41  | 3°15  | 23°31  | 16°51  | 16°12 | 24° 1 | 26°37  | M20  |
| T 21 | 4 1 20  | 29° 4'07 | 24°30 | 21°28 | 19°58 | 24°29 | 9°49  | 1°37  | 24°42  | 3°13  | 23°30  | 16°43  | 16° 8 | 24° 8 | 26°34  | T 21 |
| W22  | 4 5 17  | 0♏48     | 6♏19  | 23° 3 | 21°10 | 25° 8 | 10° 3 | 1°39  | 24°42  | 3°12  | 23°29  | 16°38  | 16° 5 | 24°15 | 26°32  | W22  |
| T 23 | 4 9 14  | 1° 5'30  | 18° 8 | 24°38 | 22°22 | 25°47 | 10°16 | 1°41  | 24°42  | 3°10  | 23°28  | 16°35  | 16° 2 | 24°22 | 26°30  | T 23 |
| F 24 | 4 13 10 | 2° 6'13  | 0♏4   | 26°13 | 23°34 | 26°25 | 10°29 | 1°43  | 24°43  | 3° 9  | 23°26  | 16°D34 | 15°59 | 24°28 | 26°27  | F 24 |
| S 25 | 4 17 7  | 3° 6'57  | 12°11 | 27°48 | 24°47 | 27° 4 | 10°43 | 1°45  | 24°43  | 3° 8  | 23°25  | 16°R34 | 15°56 | 24°35 | 26°25  | S 25 |
| S 26 | 4 21 3  | 4° 7'42  | 24°35 | 29°23 | 25°59 | 27°43 | 10°56 | 1°47  | 24°43  | 3° 6  | 23°24  | 16°34  | 15°53 | 24°42 | 26°23  | S 26 |
| M27  | 4 25 0  | 5° 8'28  | 7♏20  | 0♏58  | 27°12 | 28°22 | 11°10 | 1°49  | 24°44  | 3° 5  | 23°23  | 16°33  | 15°49 | 24°48 | 26°21  | M27  |
| T 28 | 4 28 56 | 6° 9'15  | 20°32 | 2°32  | 28°24 | 29° 0 | 11°23 | 1°51  | 24°44  | 3° 3  | 23°22  | 16°29  | 15°46 | 24°55 | 26°19  | T 28 |
| W29  | 4 32 53 | 7°10'03  | 4♏12  | 4° 7  | 29°37 | 29°39 | 11°37 | 1°54  | 24°44  | 3° 2  | 23°21  | 16°22  | 15°43 | 25° 2 | 26°17  | W29  |
| T 30 | 4 36 49 | 8♏10'53  | 18♏19 | 5♏41  | 0♌50  | 0♌18  | 11♏50 | 1♏56  | 24°R44 | 3♏ 1  | 23♏20  | 16♏13  | 15♏40 | 25♏ 8 | 26♏15  | T 30 |

| Day  | ☉     | ☾     |      | ♊     |      | ♋    |      | ♌     |      | ♍     |      | ♎     |      | ♏     |      | ♐     |      | ♑    |       | ♒    | ♓    | ♈     | ♉     | ♊    |
|------|-------|-------|------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|------|------|-------|-------|------|
|      | decl  | decl  | lat  | decl  | lat  | decl | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl | lat   | decl | decl | decl  | decl  | lat  |
| W 1  | 14s29 | 13n 3 | 3n 7 | 6s 8  | 2n11 | 2n39 | 1n18 | 3s41  | 0n59 | 20s42 | 0n33 | 12s41 | 1s49 | 14n 5 | 0n42 | 11n 3 | 1s50 | 4n42 | 14s29 | 4s24 | 5s 4 | 25s51 | 10n40 | 0n 6 |
| T 2  | 14 48 | 18 40 | 4 0  | 6 38  | 2 10 | 2 14 | 1 21 | 3 56  | 0 59 | 20 44 | 0 33 | 12 41 | 1 49 | 14 5  | 0 42 | 11 3  | 1 50 | 4 42 | 14 29 | 4 27 | 5 5  | 25 50 | 10 39 | 0 6  |
| F 3  | 15 7  | 23 23 | 4 39 | 7 10  | 2 8  | 1 49 | 1 24 | 4 11  | 0 59 | 20 46 | 0 33 | 12 41 | 1 49 | 14 4  | 0 43 | 11 2  | 1 50 | 4 41 | 14 29 | 4 30 | 5 6  | 25 48 | 10 37 | 0 6  |
| S 4  | 15 26 | 26 45 | 5 1  | 7 43  | 2 6  | 1 23 | 1 27 | 4 26  | 0 59 | 20 49 | 0 32 | 12 41 | 1 49 | 14 4  | 0 43 | 11 2  | 1 50 | 4 41 | 14 29 | 4 33 | 5 7  | 25 46 | 10 36 | 0 5  |
| S 5  | 15 44 | 28 21 | 5 4  | 8 17  | 2 3  | 0 58 | 1 29 | 4 42  | 0 58 | 20 51 | 0 32 | 12 41 | 1 48 | 14 3  | 0 43 | 11 1  | 1 50 | 4 41 | 14 29 | 4 36 | 5 9  | 25 45 | 10 35 | 0 5  |
| M 6  | 16 2  | 28 1  | 4 48 | 8 52  | 1 59 | 0 32 | 1 32 | 4 57  | 0 58 | 20 53 | 0 32 | 12 41 | 1 48 | 14 3  | 0 43 | 11 1  | 1 50 | 4 41 | 14 29 | 4 39 | 5 10 | 25 43 | 10 34 | 0 5  |
| T 7  | 16 20 | 25 47 | 4 13 | 9 28  | 1 55 | 0 7  | 1 34 | 5 12  | 0 58 | 20 56 | 0 32 | 12 41 | 1 48 | 14 2  | 0 43 | 11 0  | 1 50 | 4 40 | 14 29 | 4 41 | 5 11 | 25 41 | 10 33 | 0 5  |
| W 8  | 16 38 | 21 56 | 3 23 | 10 4  | 1 51 | 0s19 | 1 36 | 5 27  | 0 58 | 20 58 | 0 32 | 12 40 | 1 48 | 14 2  | 0 43 | 11 0  | 1 50 | 4 40 | 14 29 | 4 42 | 5 12 | 25 40 | 10 32 | 0 5  |
| T 9  | 16 55 | 16 52 | 2 22 | 10 41 | 1 46 | 0 45 | 1 39 | 5 42  | 0 57 | 21 0  | 0 32 | 12 40 | 1 48 | 14 2  | 0 43 | 10 59 | 1 50 | 4 40 | 14 29 | 4 42 | 5 13 | 25 38 | 10 31 | 0 5  |
| F 10 | 17 12 | 11 1  | 1 12 | 11 17 | 1 40 | 1 11 | 1 41 | 5 57  | 0 57 | 21 2  | 0 32 | 12 40 | 1 48 | 14 1  | 0 43 | 10 58 | 1 50 | 4 40 | 14 29 | 4 42 | 5 15 | 25 36 | 10 30 | 0 5  |
| S 11 | 17 29 | 4 42  | 0 0  | 11 54 | 1 35 | 1 37 | 1 43 | 6 12  | 0 57 | 21 5  | 0 32 | 12 39 | 1 48 | 14 1  | 0 43 | 10 58 | 1 50 | 4 39 | 14 29 | 4 41 | 5 16 | 25 35 | 10 29 | 0 5  |
| S 12 | 17 45 | 1s43  | 1s11 | 12 31 | 1 29 | 2 4  | 1 45 | 6 27  | 0 57 | 21 7  | 0 32 | 12 39 | 1 48 | 14 1  | 0 43 | 10 57 | 1 50 | 4 39 | 14 29 | 4 42 | 5 17 | 25 33 | 10 28 | 0 5  |
| M13  | 18 1  | 7 58  | 2 17 | 13 7  | 1 23 | 2 30 | 1 47 | 6 42  | 0 56 | 21 9  | 0 31 | 12 39 | 1 47 | 14 0  | 0 43 | 10 57 | 1 50 | 4 39 | 14 29 | 4 43 | 5 18 | 25 31 | 10 27 | 0 5  |
| T 14 | 18 17 | 13 48 | 3 15 | 13 43 | 1 16 | 2 56 | 1 48 | 6 57  | 0 56 | 21 11 | 0 31 | 12 38 | 1 47 | 14 0  | 0 43 | 10 56 | 1 50 | 4 39 | 14 29 | 4 45 | 5 20 | 25 30 | 10 26 | 0 5  |
| W15  | 18 32 | 18 56 | 4 2  | 14 19 | 1 10 | 3 22 | 1 50 | 7 12  | 0 56 | 21 13 | 0 31 | 12 38 | 1 47 | 14 0  | 0 43 | 10 56 | 1 50 | 4 38 | 14 29 | 4 49 | 5 21 | 25 28 | 10 25 | 0 5  |
| T 16 | 18 47 | 23 9  | 4 36 | 14 54 | 1 3  | 3 49 | 1 51 | 7 27  | 0 55 | 21 16 | 0 31 | 12 37 | 1 47 | 14 0  | 0 43 | 10 55 | 1 50 | 4 38 | 14 29 | 4 53 | 5 22 | 25 26 | 10 24 | 0 4  |
| F 17 | 19 2  | 26 12 | 4 56 | 15 28 | 0 57 | 4 15 | 1 53 | 7 41  | 0 55 | 21 18 | 0 31 | 12 37 | 1 47 | 14 0  | 0 43 | 10 55 | 1 50 | 4 38 | 14 29 | 4 58 | 5 23 | 25 25 | 10 23 | 0 4  |
| S 18 | 19 17 | 27 58 | 5 1  | 16 2  | 0 50 | 4 41 | 1 54 | 7 56  | 0 55 | 21 20 | 0 31 | 12 36 | 1 47 | 13 59 | 0 43 | 10 54 | 1 50 | 4 38 | 14 29 | 5 3  | 5 25 | 25 23 | 10 22 | 0 4  |
| S 19 | 19 31 | 28 21 | 4 53 | 16 36 | 0 43 | 5 8  | 1 55 | 8 11  | 0 54 | 21 22 | 0 31 | 12 35 | 1 47 | 13 59 | 0 43 | 10 54 | 1 50 | 4 37 | 14 29 | 5 8  | 5 26 | 25 21 | 10 21 | 0 4  |
| M20  | 19 45 | 27 22 | 4 32 | 17 8  | 0 36 | 5 34 | 1 56 | 8 25  | 0 54 | 21 24 | 0 31 | 12 35 | 1 47 | 13 59 | 0 43 | 10 53 | 1 50 | 4 37 | 14 29 | 5 12 | 5 27 | 25 19 | 10 20 | 0 4  |
| T 21 | 19 58 | 25 10 | 3 59 | 17 40 | 0 29 | 6 0  | 1 57 | 8 40  | 0 54 | 21 26 | 0 31 | 12 34 | 1 46 | 13 59 | 0 43 | 10 53 | 1 50 | 4 37 | 14 29 | 5 15 | 5 28 | 25 18 | 10 19 | 0 4  |
| W22  | 20 11 | 21 52 | 3 16 | 18 11 | 0 22 | 6 26 | 1 58 | 8 54  | 0 54 | 21 28 | 0 31 | 12 33 | 1 46 | 13 59 | 0 43 | 10 52 | 1 49 | 4 37 | 14 29 | 5 17 | 5 30 | 25 16 | 10 18 | 0 4  |
| T 23 | 20 24 | 17 42 | 2 25 | 18 42 | 0 15 | 6 52 | 1 59 | 9 9   | 0 53 | 21 30 | 0 30 | 12 32 | 1 46 | 13 59 | 0 43 | 10 52 | 1 49 | 4 37 | 14 29 | 5 18 | 5 31 | 25 14 | 10 17 | 0 4  |
| F 24 | 20 36 | 12 48 | 1 26 | 19 11 | 0 9  | 7 19 | 2 0  | 9 23  | 0 53 | 21 32 | 0 30 | 12 32 | 1 46 | 13 59 | 0 43 | 10 51 | 1 49 | 4 36 | 14 28 | 5 18 | 5 32 | 25 13 | 10 16 | 0 4  |
| S 25 | 20 48 | 7 21  | 0 23 | 19 39 | 0 2  | 7 44 | 2 0  | 9 37  | 0 53 | 21 34 | 0 30 | 12 31 | 1 46 | 13 59 | 0 43 | 10 51 | 1 49 | 4 36 | 14 28 | 5 18 | 5 33 | 25 11 | 10 16 | 0 4  |
| S 26 | 20 59 | 1 31  | 0n42 | 20 7  | 0s 5 | 8 10 | 2 1  | 9 51  | 0 52 | 21 36 | 0 30 | 12 30 | 1 46 | 13 58 | 0 44 | 10 51 | 1 49 | 4 36 | 14 28 | 5 18 | 5 34 | 25 9  | 10 15 | 0 4  |
| M27  | 21 10 | 4n34  | 1 48 | 20 34 | 0 12 | 8 36 | 2 1  | 10 6  | 0 52 | 21 38 | 0 30 | 12 29 | 1 46 | 13 58 | 0 44 | 10 50 | 1 49 | 4 36 | 14 28 | 5 19 | 5 36 | 25 7  | 10 14 | 0 4  |
| T 28 | 21 21 | 10 38 | 2 49 | 20 59 | 0 18 | 9 2  | 2 1  | 10 20 | 0 52 | 21 40 | 0 30 | 12 28 | 1 46 | 13 58 | 0 44 | 10 50 | 1 49 | 4 36 | 14 28 | 5 20 | 5 37 | 25 5  | 10 13 | 0 3  |
| W29  | 21 31 | 16 26 | 3 43 | 21 24 | 0 25 | 9 27 | 2 1  | 10 34 | 0 51 | 21 42 | 0 30 | 12 27 | 1 45 | 13 58 | 0 44 | 10 49 | 1 49 | 4 36 | 14 28 | 5 23 | 5 38 | 25 4  | 10 12 | 0 3  |
| T 30 | 21s41 | 21n33 | 4n26 | 21s47 | 0s32 | 9s52 | 2n 2 | 10s48 | 0n51 | 21s44 | 0n30 | 12s26 | 1s45 | 13n59 | 0n44 | 10n49 | 1s49 | 4n35 | 14s28 | 5s27 | 5s39 | 25s 2 | 10n11 | 0n 3 |

ASTRODIENST EPHEMERIS for the year 1876  
geocentric

DECEMBER 1876

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♊     | ♋     | ♌     | ♍     | ♎    | ♏      | ♐     | ♑      | ♒      | ♓     | ♈     | ♉      | Day  |
|------|---------|----------|-------|-------|-------|-------|-------|------|--------|-------|--------|--------|-------|-------|--------|------|
| F 1  | 4 40 46 | 9♊11'43  | 2♋51  | 7♌15  | 2♍ 2  | 0♎57  | 12♏ 4 | 1♐59 | 24°R44 | 2°R59 | 23°R19 | 16°R 1 | 15♑37 | 25♒15 | 26°R13 | F 1  |
| S 2  | 4 44 43 | 10°12'34 | 17°41 | 8°50  | 3°15  | 1°36  | 12°17 | 2° 2 | 24♑44  | 2♒58  | 23♒18  | 15♑49  | 15°34 | 25°22 | 26♑11  | S 2  |
| S 3  | 4 48 39 | 11°13'27 | 2♒39  | 10°24 | 4°28  | 2°15  | 12°31 | 2° 5 | 24°43  | 2°57  | 23°17  | 15°38  | 15°30 | 25°28 | 26° 9  | S 3  |
| M 4  | 4 52 36 | 12°14'21 | 17°37 | 11°58 | 5°41  | 2°53  | 12°44 | 2° 8 | 24°43  | 2°56  | 23°16  | 15°28  | 15°27 | 25°35 | 26° 7  | M 4  |
| T 5  | 4 56 32 | 13°15'16 | 2♑25  | 13°32 | 6°54  | 3°32  | 12°58 | 2°11 | 24°43  | 2°55  | 23°15  | 15°21  | 15°24 | 25°42 | 26° 6  | T 5  |
| W 6  | 5 0 29  | 14°16'12 | 16°57 | 15° 7 | 8° 8  | 4°11  | 13°11 | 2°14 | 24°43  | 2°53  | 23°14  | 15°17  | 15°21 | 25°49 | 26° 4  | W 6  |
| T 7  | 5 4 25  | 15°17'09 | 1♑10  | 16°41 | 9°21  | 4°50  | 13°25 | 2°17 | 24°42  | 2°52  | 23°12  | 15°15  | 15°18 | 25°55 | 26° 2  | T 7  |
| F 8  | 5 8 22  | 16°18'08 | 15° 2 | 18°15 | 10°34 | 5°29  | 13°38 | 2°20 | 24°42  | 2°51  | 23°11  | 15°15  | 15°14 | 26° 2 | 26° 1  | F 8  |
| S 9  | 5 12 19 | 17°19'07 | 28°35 | 19°49 | 11°47 | 6° 8  | 13°52 | 2°24 | 24°41  | 2°50  | 23°10  | 15°15  | 15°11 | 26° 9 | 25°59  | S 9  |
| S 10 | 5 16 15 | 18°20'08 | 11♑50 | 21°24 | 13° 1 | 6°47  | 14° 6 | 2°27 | 24°41  | 2°49  | 23° 9  | 15°14  | 15° 8 | 26°15 | 25°58  | S 10 |
| M 11 | 5 20 12 | 19°21'10 | 24°51 | 22°58 | 14°14 | 7°26  | 14°19 | 2°31 | 24°40  | 2°48  | 23° 8  | 15°10  | 15° 5 | 26°22 | 25°56  | M 11 |
| T 12 | 5 24 8  | 20°22'13 | 7♍38  | 24°33 | 15°28 | 8° 5  | 14°33 | 2°35 | 24°40  | 2°47  | 23° 7  | 15° 3  | 15° 2 | 26°29 | 25°55  | T 12 |
| W 13 | 5 28 5  | 21°23'17 | 20°14 | 26° 8 | 16°41 | 8°44  | 14°46 | 2°38 | 24°39  | 2°46  | 23° 6  | 14°53  | 14°59 | 26°35 | 25°53  | W 13 |
| T 14 | 5 32 1  | 22°24'22 | 2♑40  | 27°43 | 17°55 | 9°23  | 15° 0 | 2°42 | 24°38  | 2°45  | 23° 5  | 14°40  | 14°55 | 26°42 | 25°52  | T 14 |
| F 15 | 5 35 58 | 23°25'28 | 14°57 | 29°18 | 19° 9 | 10° 2 | 15°13 | 2°46 | 24°37  | 2°44  | 23° 4  | 14°26  | 14°52 | 26°49 | 25°51  | F 15 |
| S 16 | 5 39 54 | 24°26'34 | 27° 6 | 0♒53  | 20°23 | 10°41 | 15°27 | 2°50 | 24°36  | 2°43  | 23° 4  | 14°11  | 14°49 | 26°55 | 25°50  | S 16 |
| S 17 | 5 43 51 | 25°27'41 | 9♒ 7  | 2°28  | 21°36 | 11°20 | 15°40 | 2°54 | 24°36  | 2°42  | 23° 3  | 13°57  | 14°46 | 27° 2 | 25°48  | S 17 |
| M 18 | 5 47 48 | 26°28'49 | 21° 2 | 4° 3  | 22°50 | 11°59 | 15°53 | 2°59 | 24°35  | 2°41  | 23° 2  | 13°45  | 14°43 | 27° 9 | 25°47  | M 18 |
| T 19 | 5 51 44 | 27°29'57 | 2♑52  | 5°39  | 24° 4 | 12°38 | 16° 7 | 3° 3 | 24°34  | 2°40  | 23° 1  | 13°35  | 14°40 | 27°16 | 25°46  | T 19 |
| W 20 | 5 55 41 | 28°31'05 | 14°39 | 7°14  | 25°18 | 13°17 | 16°20 | 3° 7 | 24°32  | 2°40  | 23° 0  | 13°29  | 14°36 | 27°22 | 25°45  | W 20 |
| T 21 | 5 59 37 | 29°32'13 | 26°28 | 8°50  | 26°32 | 13°56 | 16°34 | 3°12 | 24°31  | 2°39  | 22°59  | 13°25  | 14°33 | 27°29 | 25°44  | T 21 |
| F 22 | 6 3 34  | 0♒33'22  | 8♑21  | 10°26 | 27°46 | 14°35 | 16°47 | 3°16 | 24°30  | 2°38  | 22°58  | 13°D24 | 14°30 | 27°36 | 25°44  | F 22 |
| S 23 | 6 7 30  | 1°34'30  | 20°25 | 12° 1 | 29° 0 | 15°14 | 17° 0 | 3°21 | 24°29  | 2°37  | 22°57  | 13°24  | 14°27 | 27°42 | 25°43  | S 23 |
| S 24 | 6 11 27 | 2°35'39  | 2♑44  | 13°37 | 0♑14  | 15°53 | 17°14 | 3°26 | 24°28  | 2°37  | 22°56  | 13°R24 | 14°24 | 27°49 | 25°42  | S 24 |
| M 25 | 6 15 23 | 3°36'48  | 15°25 | 15°13 | 1°28  | 16°32 | 17°27 | 3°30 | 24°26  | 2°36  | 22°56  | 13°24  | 14°20 | 27°56 | 25°41  | M 25 |
| T 26 | 6 19 20 | 4°37'57  | 28°30 | 16°49 | 2°42  | 17°11 | 17°40 | 3°35 | 24°25  | 2°36  | 22°55  | 13°21  | 14°17 | 28° 2 | 25°41  | T 26 |
| W 27 | 6 23 17 | 5°39'05  | 12♒ 5 | 18°24 | 3°56  | 17°50 | 17°54 | 3°40 | 24°24  | 2°35  | 22°54  | 13°16  | 14°14 | 28° 9 | 25°40  | W 27 |
| T 28 | 6 27 13 | 6°40'14  | 26°11 | 19°59 | 5°10  | 18°29 | 18° 7 | 3°45 | 24°22  | 2°34  | 22°53  | 13° 9  | 14°11 | 28°16 | 25°40  | T 28 |
| F 29 | 6 31 10 | 7°41'23  | 10♑45 | 21°34 | 6°24  | 19° 8 | 18°20 | 3°50 | 24°21  | 2°34  | 22°52  | 12°59  | 14° 8 | 28°22 | 25°39  | F 29 |
| S 30 | 6 35 6  | 8°42'32  | 25°43 | 23° 9 | 7°39  | 19°47 | 18°33 | 3°55 | 24°19  | 2°33  | 22°52  | 12°49  | 14° 5 | 28°29 | 25°39  | S 30 |
| S 31 | 6 39 3  | 9♒43'40  | 10♑55 | 24♒42 | 8♑53  | 20♍26 | 18♑46 | 4♑ 1 | 24♑17  | 2♒33  | 22♒51  | 12♑39  | 14♑ 1 | 28♒36 | 25♑38  | S 31 |

| Day  | ☉     | ☽     | ♊    | ♋     | ♌    | ♍     | ♎    | ♏     | ♐    | ♑     | ♒    | ♓     | ♈    | ♉     |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
|      | decl  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | decl  | lat  | lat   |
| F 1  | 21s51 | 25n31 | 4n52 | 22s10 | 0s38 | 10s17 | 2n 2 | 11s 1 | 0n50 | 21s46 | 0n30 | 12s25 | 1s45 | 13n59 |
| S 2  | 22 0  | 27 52 | 5 0  | 22 31 | 0 44 | 10 42 | 2 1  | 11 15 | 0 50 | 21 48 | 0 30 | 12 24 | 1 45 | 13 59 |
| S 3  | 22 8  | 28 13 | 4 47 | 22 51 | 0 50 | 11 7  | 2 1  | 11 29 | 0 50 | 21 50 | 0 30 | 12 22 | 1 45 | 13 59 |
| M 4  | 22 17 | 26 30 | 4 15 | 23 10 | 0 56 | 11 32 | 2 1  | 11 43 | 0 49 | 21 51 | 0 29 | 12 21 | 1 45 | 13 59 |
| T 5  | 22 24 | 22 58 | 3 25 | 23 28 | 1 2  | 11 56 | 2 1  | 11 56 | 0 49 | 21 53 | 0 29 | 12 20 | 1 45 | 13 59 |
| W 6  | 22 32 | 18 3  | 2 23 | 23 45 | 1 8  | 12 20 | 2 0  | 12 10 | 0 49 | 21 55 | 0 29 | 12 19 | 1 45 | 13 59 |
| T 7  | 22 39 | 12 13 | 1 14 | 24 0  | 1 13 | 12 44 | 2 0  | 12 23 | 0 48 | 21 57 | 0 29 | 12 18 | 1 44 | 13 59 |
| F 8  | 22 45 | 5 55  | 0 1  | 24 15 | 1 19 | 13 7  | 1 59 | 12 36 | 0 48 | 21 58 | 0 29 | 12 16 | 1 44 | 13 59 |
| S 9  | 22 51 | 0s30  | 1s10 | 24 28 | 1 24 | 13 30 | 1 58 | 12 50 | 0 47 | 22 0  | 0 29 | 12 15 | 1 44 | 14 0  |
| S 10 | 22 57 | 6 46  | 2 15 | 24 39 | 1 29 | 13 53 | 1 57 | 13 3  | 0 47 | 22 2  | 0 29 | 12 14 | 1 44 | 14 0  |
| M 11 | 23 2  | 12 37 | 3 13 | 24 50 | 1 34 | 14 16 | 1 57 | 13 16 | 0 47 | 22 3  | 0 29 | 12 12 | 1 44 | 14 0  |
| T 12 | 23 6  | 17 50 | 3 59 | 24 59 | 1 38 | 14 38 | 1 56 | 13 29 | 0 46 | 22 5  | 0 29 | 12 11 | 1 44 | 14 0  |
| W 13 | 23 11 | 22 12 | 4 33 | 25 7  | 1 43 | 15 0  | 1 55 | 13 42 | 0 46 | 22 7  | 0 29 | 12 9  | 1 44 | 14 1  |
| T 14 | 23 14 | 25 30 | 4 53 | 25 13 | 1 47 | 15 22 | 1 53 | 13 55 | 0 45 | 22 8  | 0 29 | 12 8  | 1 44 | 14 1  |
| F 15 | 23 18 | 27 34 | 5 0  | 25 18 | 1 50 | 15 43 | 1 52 | 14 7  | 0 45 | 22 10 | 0 29 | 12 6  | 1 44 | 14 1  |
| S 16 | 23 20 | 28 18 | 4 52 | 25 21 | 1 54 | 16 4  | 1 51 | 14 20 | 0 45 | 22 11 | 0 29 | 12 5  | 1 43 | 14 2  |
| S 17 | 23 23 | 27 40 | 4 32 | 25 23 | 1 57 | 16 25 | 1 50 | 14 32 | 0 44 | 22 13 | 0 28 | 12 3  | 1 43 | 14 2  |
| M 18 | 23 25 | 25 45 | 4 0  | 25 24 | 2 0  | 16 45 | 1 48 | 14 45 | 0 44 | 22 14 | 0 28 | 12 1  | 1 43 | 14 2  |
| T 19 | 23 26 | 22 44 | 3 17 | 25 23 | 2 3  | 17 5  | 1 47 | 14 57 | 0 43 | 22 16 | 0 28 | 12 0  | 1 43 | 14 3  |
| W 20 | 23 27 | 18 47 | 2 26 | 25 21 | 2 5  | 17 24 | 1 45 | 15 9  | 0 43 | 22 17 | 0 28 | 11 58 | 1 43 | 14 3  |
| T 21 | 23 27 | 14 6  | 1 29 | 25 17 | 2 7  | 17 43 | 1 44 | 15 21 | 0 42 | 22 19 | 0 28 | 11 56 | 1 43 | 14 4  |
| F 22 | 23 27 | 8 51  | 0 27 | 25 11 | 2 9  | 18 1  | 1 42 | 15 33 | 0 42 | 22 20 | 0 28 | 11 55 | 1 43 | 14 4  |
| S 23 | 23 27 | 3 14  | 0n37 | 25 4  | 2 10 | 18 19 | 1 40 | 15 45 | 0 41 | 22 21 | 0 28 | 11 53 | 1 43 | 14 4  |
| S 24 | 23 26 | 2n38  | 1 41 | 24 56 | 2 11 | 18 37 | 1 38 | 15 57 | 0 41 | 22 23 | 0 28 | 11 51 | 1 43 | 14 5  |
| M 25 | 23 24 | 8 33  | 2 42 | 24 46 | 2 11 | 18 54 | 1 36 | 16 9  | 0 41 | 22 24 | 0 28 | 11 49 | 1 43 | 14 5  |
| T 26 | 23 23 | 14 18 | 3 36 | 24 34 | 2 11 | 19 10 | 1 34 | 16 20 | 0 40 | 22 25 | 0 28 | 11 47 | 1 42 | 14 6  |
| W 27 | 23 20 | 19 35 | 4 20 | 24 21 | 2 10 | 19 26 | 1 33 | 16 32 | 0 40 | 22 27 | 0 28 | 11 46 | 1 42 | 14 6  |
| T 28 | 23 17 | 24 0  | 4 50 | 24 6  | 2 9  | 19 42 | 1 30 | 16 43 | 0 39 | 22 28 | 0 28 | 11 44 | 1 42 | 14 7  |
| F 29 | 23 14 | 27 4  | 5 3  | 23 50 | 2 8  | 19 57 | 1 28 | 16 54 | 0 39 | 22 29 | 0 28 | 11 42 | 1 42 | 14 7  |
| S 30 | 23 10 | 28 19 | 4 56 | 23 32 | 2 5  | 20 11 | 1 26 | 17 5  | 0 38 | 22 30 | 0 28 | 11 40 | 1 42 | 14 8  |
| S 31 | 23s 6 | 27n27 | 4n27 | 23s13 | 2s 3 | 20s25 | 1n24 | 17s16 | 0n38 | 22s31 | 0n28 | 11s38 | 1s42 | 14n 8 |

Julian Day Number = 2406589.5, Delta T = -2.00 sec  
Ecliptic obliquity = 23°27'27, Nutation = 0°00'03, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 23°01'17, Lahiri = 22°08'18