



Astrodienst Ephemeris Tables for the year 1817

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 1817
geocentric

JANUARY 1817

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | ♈ | ♉ | Day |
|------|---------|-----------------------|--------------------|---------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|--------------------|--------------------|------|
| W 1 | 6 41 7 | 10 ³ 17'58 | 10 ^{II} 4 | 16 ³ 28 | 17 ³ 41 | 13 ³ 10 | 1 ³ 6 | 21 ³ 20 | 13 ³ 17 | 22 ³ 31 | 22 ³ 11 | 5 ³ 58 | 4 ^{II} 27 | 17 ³ 16 | 13 ³ 53 | W 1 |
| T 2 | 6 45 4 | 11 ³ 19'07 | 22 ³ 47 | 18 ³ 6 | 18 ³ 53 | 13 ³ 53 | 1 ³ 17 | 21 ³ 26 | 13 ³ 20 | 22 ³ 33 | 22 ³ 11 | 5 ^{II} 57 | 4 ³ 24 | 17 ³ 23 | 13 ³ 55 | T 2 |
| F 3 | 6 49 1 | 12 ³ 20'16 | 5 ³ 48 | 19 ³ 45 | 20 ³ 6 | 14 ³ 36 | 1 ³ 29 | 21 ³ 32 | 13 ³ 23 | 22 ³ 35 | 22 ³ 12 | 5 ³ 54 | 4 ³ 21 | 17 ³ 30 | 13 ³ 57 | F 3 |
| S 4 | 6 52 57 | 13 ³ 21'25 | 19 ³ 8 | 21 ³ 24 | 21 ³ 19 | 15 ³ 19 | 1 ³ 40 | 21 ³ 38 | 13 ³ 27 | 22 ³ 37 | 22 ³ 13 | 5 ³ 49 | 4 ³ 18 | 17 ³ 37 | 13 ³ 59 | S 4 |
| S 5 | 6 56 54 | 14 ³ 22'33 | 2 ³ 44 | 23 ³ 3 | 22 ³ 31 | 16 ³ 2 | 1 ³ 52 | 21 ³ 44 | 13 ³ 30 | 22 ³ 39 | 22 ³ 13 | 5 ³ 43 | 4 ³ 14 | 17 ³ 43 | 14 ³ 2 | S 5 |
| M 6 | 7 0 50 | 15 ³ 23'42 | 16 ³ 34 | 24 ³ 42 | 23 ³ 44 | 16 ³ 45 | 2 ³ 3 | 21 ³ 51 | 13 ³ 33 | 22 ³ 41 | 22 ³ 14 | 5 ³ 36 | 4 ³ 11 | 17 ³ 50 | 14 ³ 4 | M 6 |
| T 7 | 7 4 47 | 16 ³ 24'50 | 0 ³ 34 | 26 ³ 22 | 24 ³ 56 | 17 ³ 29 | 2 ³ 15 | 21 ³ 57 | 13 ³ 36 | 22 ³ 43 | 22 ³ 15 | 5 ³ 29 | 4 ³ 8 | 17 ³ 57 | 14 ³ 6 | T 7 |
| W 8 | 7 8 43 | 17 ³ 25'58 | 14 ³ 41 | 28 ³ 1 | 26 ³ 9 | 18 ³ 12 | 2 ³ 26 | 22 ³ 3 | 13 ³ 40 | 22 ³ 46 | 22 ³ 16 | 5 ³ 24 | 4 ³ 5 | 18 ³ 3 | 14 ³ 9 | W 8 |
| T 9 | 7 12 40 | 18 ³ 27'07 | 28 ³ 51 | 29 ³ 41 | 27 ³ 21 | 18 ³ 55 | 2 ³ 37 | 22 ³ 10 | 13 ³ 43 | 22 ³ 48 | 22 ³ 16 | 5 ³ 20 | 4 ³ 2 | 18 ³ 10 | 14 ³ 11 | T 9 |
| F 10 | 7 16 37 | 19 ³ 28'15 | 13 ³ 40 | 1 ³ 20 | 28 ³ 33 | 19 ³ 38 | 2 ³ 48 | 22 ³ 16 | 13 ³ 46 | 22 ³ 50 | 22 ³ 17 | 5 ³ 19 | 3 ³ 58 | 18 ³ 17 | 14 ³ 14 | F 10 |
| S 11 | 7 20 33 | 20 ³ 29'23 | 27 ³ 8 | 2 ³ 59 | 29 ³ 45 | 20 ³ 22 | 2 ³ 59 | 22 ³ 23 | 13 ³ 49 | 22 ³ 52 | 22 ³ 18 | 5 ³ D18 | 3 ³ 55 | 18 ³ 23 | 14 ³ 16 | S 11 |
| S 12 | 7 24 30 | 21 ³ 30'31 | 11 ³ 13 | 4 ³ 38 | 0 ³ 57 | 21 ³ 5 | 3 ³ 10 | 22 ³ 29 | 13 ³ 52 | 22 ³ 54 | 22 ³ 19 | 5 ³ 20 | 3 ³ 52 | 18 ³ 30 | 14 ³ 19 | S 12 |
| M13 | 7 28 26 | 22 ³ 31'39 | 25 ³ 13 | 6 ³ 16 | 2 ³ 9 | 21 ³ 48 | 3 ³ 21 | 22 ³ 36 | 13 ³ 55 | 22 ³ 56 | 22 ³ 20 | 5 ³ 21 | 3 ³ 49 | 18 ³ 37 | 14 ³ 21 | M13 |
| T 14 | 7 32 23 | 23 ³ 32'47 | 9 ³ 8 | 7 ³ 53 | 3 ³ 21 | 22 ³ 32 | 3 ³ 32 | 22 ³ 42 | 13 ³ 58 | 22 ³ 58 | 22 ³ 21 | 5 ³ R21 | 3 ³ 46 | 18 ³ 43 | 14 ³ 24 | T 14 |
| W15 | 7 36 19 | 24 ³ 33'55 | 22 ³ 56 | 9 ³ 30 | 4 ³ 33 | 23 ³ 15 | 3 ³ 42 | 22 ³ 49 | 14 ³ 1 | 23 ³ 0 | 22 ³ 21 | 5 ³ 20 | 3 ³ 43 | 18 ³ 50 | 14 ³ 27 | W15 |
| T 16 | 7 40 16 | 25 ³ 35'02 | 6 ³ 35 | 11 ³ 5 | 5 ³ 45 | 23 ³ 59 | 3 ³ 53 | 22 ³ 56 | 14 ³ 4 | 23 ³ 2 | 22 ³ 22 | 5 ³ 16 | 3 ³ 39 | 18 ³ 57 | 14 ³ 29 | T 16 |
| F 17 | 7 44 12 | 26 ³ 36'09 | 20 ³ 3 | 12 ³ 39 | 6 ³ 56 | 24 ³ 43 | 4 ³ 3 | 23 ³ 3 | 14 ³ 7 | 23 ³ 4 | 22 ³ 23 | 5 ³ 9 | 3 ³ 36 | 19 ³ 3 | 14 ³ 32 | F 17 |
| S 18 | 7 48 9 | 27 ³ 37'15 | 3 ³ 18 | 14 ³ 10 | 8 ³ 8 | 25 ³ 26 | 4 ³ 14 | 23 ³ 9 | 14 ³ 10 | 23 ³ 6 | 22 ³ 24 | 5 ³ 1 | 3 ³ 33 | 19 ³ 10 | 14 ³ 35 | S 18 |
| S 19 | 7 52 6 | 28 ³ 38'20 | 16 ³ 17 | 15 ³ 39 | 9 ³ 19 | 26 ³ 10 | 4 ³ 24 | 23 ³ 16 | 14 ³ 13 | 23 ³ 8 | 22 ³ 25 | 4 ³ 51 | 3 ³ 30 | 19 ³ 17 | 14 ³ 38 | S 19 |
| M20 | 7 56 2 | 29 ³ 39'25 | 29 ³ 0 | 17 ³ 6 | 10 ³ 31 | 26 ³ 53 | 4 ³ 34 | 23 ³ 23 | 14 ³ 16 | 23 ³ 10 | 22 ³ 26 | 4 ³ 40 | 3 ³ 27 | 19 ³ 24 | 14 ³ 41 | M20 |
| T 21 | 7 59 59 | 0 ³ 40'28 | 11 ³ 27 | 18 ³ 29 | 11 ³ 42 | 27 ³ 37 | 4 ³ 44 | 23 ³ 30 | 14 ³ 19 | 23 ³ 12 | 22 ³ 27 | 4 ³ 30 | 3 ³ 24 | 19 ³ 30 | 14 ³ 44 | T 21 |
| W22 | 8 3 55 | 1 ³ 41'31 | 23 ³ 40 | 19 ³ 47 | 12 ³ 53 | 28 ³ 21 | 4 ³ 54 | 23 ³ 37 | 14 ³ 22 | 23 ³ 14 | 22 ³ 28 | 4 ³ 22 | 3 ³ 20 | 19 ³ 37 | 14 ³ 46 | W22 |
| T 23 | 8 7 52 | 2 ³ 42'33 | 5 ³ 40 | 21 ³ 2 | 14 ³ 4 | 29 ³ 5 | 5 ³ 4 | 23 ³ 44 | 14 ³ 24 | 23 ³ 15 | 22 ³ 29 | 4 ³ 16 | 3 ³ 17 | 19 ³ 44 | 14 ³ 49 | T 23 |
| F 24 | 8 11 48 | 3 ³ 43'33 | 17 ³ 33 | 22 ³ 10 | 15 ³ 15 | 29 ³ 49 | 5 ³ 14 | 23 ³ 51 | 14 ³ 27 | 23 ³ 17 | 22 ³ 30 | 4 ³ 12 | 3 ³ 14 | 19 ³ 50 | 14 ³ 52 | F 24 |
| S 25 | 8 15 45 | 4 ³ 44'33 | 29 ³ 22 | 23 ³ 12 | 16 ³ 26 | 0 ³ 32 | 5 ³ 23 | 23 ³ 58 | 14 ³ 30 | 23 ³ 19 | 22 ³ 32 | 4 ³ 10 | 3 ³ 11 | 19 ³ 57 | 14 ³ 56 | S 25 |
| S 26 | 8 19 41 | 5 ³ 45'31 | 11 ³ 13 | 24 ³ 8 | 17 ³ 37 | 1 ³ 16 | 5 ³ 33 | 24 ³ 5 | 14 ³ 32 | 23 ³ 21 | 22 ³ 33 | 4 ³ D10 | 3 ³ 8 | 20 ³ 4 | 14 ³ 59 | S 26 |
| M27 | 8 23 38 | 6 ³ 46'28 | 23 ³ 11 | 24 ³ 55 | 18 ³ 47 | 2 ³ 0 | 5 ³ 42 | 24 ³ 12 | 14 ³ 35 | 23 ³ 23 | 22 ³ 34 | 4 ³ 11 | 3 ³ 4 | 20 ³ 10 | 15 ³ 2 | M27 |
| T 28 | 8 27 35 | 7 ³ 47'24 | 5 ³ 22 | 25 ³ 33 | 19 ³ 58 | 2 ³ 44 | 5 ³ 52 | 24 ³ 19 | 14 ³ 38 | 23 ³ 24 | 22 ³ 35 | 4 ³ R11 | 3 ³ 1 | 20 ³ 17 | 15 ³ 5 | T 28 |
| W29 | 8 31 31 | 8 ³ 48'19 | 17 ³ 50 | 26 ³ 2 | 21 ³ 8 | 3 ³ 28 | 6 ³ 1 | 24 ³ 26 | 14 ³ 40 | 23 ³ 26 | 22 ³ 36 | 4 ³ 10 | 2 ³ 58 | 20 ³ 24 | 15 ³ 8 | W29 |
| T 30 | 8 35 28 | 9 ³ 49'12 | 0 ³ 39 | 26 ³ 21 | 22 ³ 18 | 4 ³ 12 | 6 ³ 10 | 24 ³ 33 | 14 ³ 43 | 23 ³ 28 | 22 ³ 37 | 4 ³ 7 | 2 ³ 55 | 20 ³ 30 | 15 ³ 11 | T 30 |
| F 31 | 8 39 24 | 10 ³ 50'04 | 13 ³ 52 | 26 ³ R29 | 23 ³ 28 | 4 ³ 56 | 6 ³ 19 | 24 ³ 40 | 14 ³ 45 | 23 ³ 30 | 22 ³ 38 | 4 ³ II 1 | 2 ³ II52 | 20 ³ 37 | 15 ³ 14 | F 31 |

| Day | ☉ | ☾ | | ♊ | | ♋ | | ♌ | | ♍ | | ♎ | | ♏ | | ♐ | | ♑ | | ♒ | ♓ | ♈ | ♉ | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|-------|------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 23s 4 | 22n21 | 0n22 | 24s31 | 2s 5 | 17s17 | 1s49 | 22s34 | 0s10 | 19s37 | 0n48 | 15s36 | 1s16 | 22s24 | 0n 1 | 21s58 | 1n17 | 17s23 | 15s36 | 21n20 | 21n 3 | 3n18 | 2s10 | 4n32 |
| T 2 | 22 59 | 24 46 | 1 30 | 24 20 | 2 7 | 16 53 | 1 48 | 22 40 | 0 11 | 19 39 | 0 48 | 15 34 | 1 16 | 22 24 | 0 1 | 21 58 | 1 17 | 17 23 | 15 35 | 21 19 | 21 3 | 3 21 | 2 9 | 4 32 |
| F 3 | 22 53 | 25 55 | 2 35 | 24 7 | 2 7 | 16 29 | 1 47 | 22 46 | 0 11 | 19 41 | 0 48 | 15 32 | 1 16 | 22 25 | 0 1 | 21 58 | 1 17 | 17 22 | 15 35 | 21 19 | 21 2 | 3 24 | 2 9 | 4 31 |
| S 4 | 22 48 | 25 37 | 3 33 | 23 52 | 2 8 | 16 5 | 1 46 | 22 51 | 0 12 | 19 44 | 0 48 | 15 30 | 1 16 | 22 25 | 0 1 | 21 59 | 1 17 | 17 22 | 15 35 | 21 18 | 21 1 | 3 27 | 2 8 | 4 31 |
| S 5 | 22 41 | 23 47 | 4 20 | 23 36 | 2 8 | 15 40 | 1 44 | 22 57 | 0 13 | 19 46 | 0 48 | 15 28 | 1 16 | 22 26 | 0 1 | 21 59 | 1 17 | 17 21 | 15 35 | 21 17 | 21 1 | 3 30 | 2 7 | 4 31 |
| M 6 | 22 34 | 20 32 | 4 53 | 23 18 | 2 7 | 15 14 | 1 43 | 23 2 | 0 13 | 19 48 | 0 48 | 15 26 | 1 16 | 22 26 | 0 1 | 21 59 | 1 17 | 17 20 | 15 34 | 21 16 | 21 0 | 3 33 | 2 7 | 4 30 |
| T 7 | 22 27 | 16 5 | 5 8 | 22 58 | 2 6 | 14 49 | 1 41 | 23 6 | 0 14 | 19 50 | 0 48 | 15 24 | 1 16 | 22 27 | 0 1 | 21 59 | 1 17 | 17 20 | 15 34 | 21 14 | 21 0 | 3 36 | 2 6 | 4 30 |
| W 8 | 22 20 | 10 44 | 5 5 | 22 37 | 2 5 | 14 22 | 1 39 | 23 11 | 0 15 | 19 53 | 0 48 | 15 22 | 1 16 | 22 27 | 0 1 | 21 59 | 1 17 | 17 19 | 15 34 | 21 14 | 20 59 | 3 40 | 2 6 | 4 30 |
| T 9 | 22 11 | 4 48 | 4 44 | 22 15 | 2 3 | 13 56 | 1 38 | 23 15 | 0 15 | 19 55 | 0 48 | 15 20 | 1 16 | 22 27 | 0 1 | 21 59 | 1 17 | 17 19 | 15 33 | 21 13 | 20 58 | 3 43 | 2 5 | 4 30 |
| F 10 | 22 3 | 1s23 | 4 5 | 21 50 | 2 0 | 13 29 | 1 36 | 23 20 | 0 16 | 19 57 | 0 49 | 15 18 | 1 16 | 22 28 | 0 1 | 21 59 | 1 17 | 17 18 | 15 33 | 21 13 | 20 58 | 3 46 | 2 4 | 4 29 |
| S 11 | 21 54 | 7 29 | 3 12 | 21 25 | 1 57 | 13 2 | 1 34 | 23 24 | 0 17 | 19 59 | 0 49 | 15 16 | 1 16 | 22 28 | 0 1 | 21 59 | 1 17 | 17 18 | 15 33 | 21 13 | 20 57 | 3 49 | 2 3 | 4 29 |
| S 12 | 21 45 | 13 12 | 2 7 | 20 58 | 1 53 | 12 34 | 1 32 | 23 27 | 0 18 | 20 1 | 0 49 | 15 14 | 1 16 | 22 29 | 0 1 | 21 59 | 1 17 | 17 17 | 15 32 | 21 13 | 20 57 | 3 52 | 2 3 | 4 29 |
| M13 | 21 35 | 18 12 | 0 54 | 20 29 | 1 49 | 12 7 | 1 29 | 23 31 | 0 18 | 20 3 | 0 49 | 15 11 | 1 16 | 22 29 | 0 1 | 21 59 | 1 17 | 17 16 | 15 32 | 21 13 | 20 56 | 3 55 | 2 2 | 4 29 |
| T 14 | 21 25 | 22 11 | 0s20 | 19 59 | 1 44 | 11 38 | 1 27 | 23 34 | 0 19 | 20 5 | 0 49 | 15 9 | 1 16 | 22 29 | 0 1 | 22 0 | 1 17 | 17 16 | 15 32 | 21 13 | 20 56 | 3 58 | 2 1 | 4 28 |
| W15 | 21 14 | 24 50 | 1 33 | 19 28 | 1 38 | 11 10 | 1 25 | 23 37 | 0 20 | 20 7 | 0 49 | 15 7 | 1 16 | 22 30 | 0 1 | 22 0 | 1 17 | 17 15 | 15 32 | 21 13 | 20 55 | 4 1 | 2 0 | 4 28 |
| T 16 | 21 3 | 25 58 | 2 40 | 18 55 | 1 31 | 10 41 | 1 22 | 23 40 | 0 20 | 20 9 | 0 49 | 15 5 | 1 16 | 22 30 | 0 1 | 22 0 | 1 17 | 17 14 | 15 31 | 21 12 | 20 54 | 4 4 | 2 0 | 4 28 |
| F 17 | 20 51 | 25 32 | 3 36 | 18 22 | 1 24 | 10 13 | 1 20 | 23 42 | 0 21 | 20 11 | 0 49 | 15 3 | 1 16 | 22 30 | 0 1 | 22 0 | 1 17 | 17 14 | 15 31 | 21 11 | 20 54 | 4 7 | 1 59 | 4 28 |
| S 18 | 20 40 | 23 39 | 4 20 | 17 48 | 1 15 | 9 43 | 1 17 | 23 45 | 0 22 | 20 13 | 0 49 | 15 1 | 1 16 | 22 31 | 0 1 | 22 0 | 1 17 | 17 13 | 15 31 | 21 9 | 20 53 | 4 11 | 1 58 | 4 27 |
| S 19 | 20 27 | 20 34 | 4 49 | 17 13 | 1 6 | 9 14 | 1 15 | 23 47 | 0 22 | 20 15 | 0 49 | 14 58 | 1 16 | 22 31 | 0 1 | 22 0 | 1 17 | 17 13 | 15 30 | 21 8 | 20 53 | 4 14 | 1 57 | 4 27 |
| M20 | 20 15 | 16 34 | 5 4 | 16 37 | 0 56 | 8 44 | 1 12 | 23 49 | 0 23 | 20 17 | 0 49 | 14 56 | 1 16 | 22 31 | 0 1 | 22 0 | 1 17 | 17 12 | 15 30 | 21 6 | 20 52 | 4 17 | 1 56 | 4 27 |
| T 21 | 20 2 | 11 56 | 5 3 | 16 1 | 0 45 | 8 15 | 1 9 | 23 50 | 0 24 | 20 18 | 0 49 | 14 54 | 1 16 | 22 32 | 0 1 | 22 0 | 1 17 | 17 11 | 15 30 | 21 4 | 20 51 | 4 20 | 1 55 | 4 27 |
| W22 | 19 48 | 6 56 | 4 48 | 15 26 | 0 33 | 7 45 | 1 6 | 23 52 | 0 24 | 20 20 | 0 49 | 14 52 | 1 16 | 22 32 | 0 1 | 22 0 | 1 17 | 17 11 | 15 30 | 21 2 | 20 51 | 4 23 | 1 54 | 4 26 |
| T 23 | 19 34 | 1 44 | 4 21 | 14 50 | 0 21 | 7 14 | 1 3 | 23 53 | 0 25 | 20 22 | 0 49 | 14 49 | 1 16 | 22 32 | 0 1 | 22 0 | 1 17 | 17 10 | 15 29 | 21 1 | 20 50 | 4 26 | 1 53 | 4 26 |
| F 24 | 19 20 | 3n28 | 3 43 | 14 15 | 0 7 | 6 44 | 1 0 | 23 54 | 0 26 | 20 24 | 0 49 | 14 47 | 1 16 | 22 33 | 0 1 | 22 0 | 1 17 | 17 9 | 15 29 | 21 0 | 20 49 | 4 29 | 1 52 | 4 26 |
| S 25 | 19 6 | 8 32 | 2 55 | 13 41 | 0n 7 | 6 14 | 0 56 | 23 54 | 0 27 | 20 25 | 0 49 | 14 45 | 1 16 | 22 33 | 0 1 | 22 0 | 1 17 | 17 9 | 15 29 | 21 0 | 20 49 | 4 32 | 1 51 | 4 26 |
| S 26 | 18 51 | 13 19 | 2 0 | 13 8 | 0 22 | 5 43 | 0 53 | 23 55 | 0 27 | 20 27 | 0 49 | 14 42 | 1 16 | 22 33 | 0 1 | 22 1 | 1 17 | 17 8 | 15 29 | 21 0 | 20 48 | 4 35 | 1 50 | 4 26 |
| M27 | 18 36 | 17 39 | 0 58 | 12 38 | 0 38 | 5 12 | 0 50 | 23 55 | 0 28 | 20 28 | 0 49 | 14 40 | 1 16 | 22 34 | 0 1 | 22 1 | 1 17 | 17 7 | 15 28 | 21 0 | 20 48 | 4 38 | 1 49 | 4 25 |
| T 28 | 18 20 | 21 19 | 0n 6 | 12 9 | 0 55 | 4 41 | 0 46 | 23 55 | 0 29 | 20 30 | 0 49 | 14 38 | 1 16 | 22 34 | 0 1 | 22 1 | 1 17 | 17 7 | 15 28 | 21 0 | 20 47 | 4 42 | 1 48 | 4 25 |
| W29 | 18 5 | 24 6 | 1 12 | 11 44 | 1 12 | 4 10 | 0 43 | 23 55 | 0 29 | 20 32 | 0 49 | 14 35 | 1 16 | 22 34 | 0 1 | 22 1 | 1 17 | 17 6 | 15 28 | 21 0 | 20 46 | 4 45 | 1 47 | 4 25 |
| T 30 | 17 48 | 25 44 | 2 16 | 11 21 | 1 29 | 3 39 | 0 39 | 23 54 | 0 30 | 20 33 | 0 49 | 14 33 | 1 16 | 22 35 | 0 1 | 22 1 | 1 17 | 17 5 | 15 28 | 21 0 | 20 46 | 4 48 | 1 46 | 4 25 |
| F 31 | 17s32 | 25n58 | 3n15 | 11s 2 | 1n46 | 3s 8 | 0s35 | 23s53 | 0s31 | 20s35 | 0n49 | 14s31 | 1s16 | 22s35 | 0n 1 | 22s 1 | 1n18 | 17s 5 | 15s28 | 20n58 | 20n45 | 4n51 | 1s45 | 4n25 |

ASTRODIENST EPHEMERIS for the year 1817

geocentric

FEBRUARY 1817

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| S 1 | 8 43 21 | 11°50'55 | 27°30 | 26°R26 | 24°K38 | 5°Z40 | 6°A28 | 24°A47 | 14°A48 | 23°A31 | 22°K40 | 3°R53 | 2°II49 | 20°Y44 | 15°K18 | S 1 |
| S 2 | 8 47 17 | 12°51'45 | 11°J29 | 26°A12 | 25°47 | 6°24 | 6°37 | 24°54 | 14°50 | 23°33 | 22°41 | 3°II42 | 2°45 | 20°50 | 15°21 | S 2 |
| M 3 | 8 51 14 | 13°52'33 | 25°47 | 25°47 | 26°57 | 7° 9 | 6°45 | 25° 1 | 14°52 | 23°34 | 22°42 | 3°31 | 2°42 | 20°57 | 15°24 | M 3 |
| T 4 | 8 55 10 | 14°53'21 | 10°M17 | 25°12 | 28° 6 | 7°53 | 6°54 | 25° 9 | 14°54 | 23°36 | 22°43 | 3°20 | 2°39 | 21° 4 | 15°28 | T 4 |
| W 5 | 8 59 7 | 15°54'07 | 24°52 | 24°27 | 29°16 | 8°37 | 7° 2 | 25°16 | 14°57 | 23°38 | 22°45 | 3°10 | 2°36 | 21°10 | 15°31 | W 5 |
| T 6 | 9 3 4 | 16°54'52 | 9°A25 | 23°33 | 0°Y25 | 9°21 | 7°11 | 25°23 | 14°59 | 23°39 | 22°46 | 3° 3 | 2°33 | 21°17 | 15°34 | T 6 |
| F 7 | 9 7 0 | 17°55'36 | 23°50 | 22°33 | 1°34 | 10° 6 | 7°19 | 25°30 | 15° 1 | 23°41 | 22°47 | 2°58 | 2°29 | 21°24 | 15°38 | F 7 |
| S 8 | 9 10 57 | 18°56'19 | 8°M 4 | 21°27 | 2°42 | 10°50 | 7°27 | 25°37 | 15° 3 | 23°42 | 22°48 | 2°56 | 2°26 | 21°30 | 15°41 | S 8 |
| S 9 | 9 14 53 | 19°57'01 | 22° 6 | 20°18 | 3°51 | 11°34 | 7°35 | 25°45 | 15° 5 | 23°44 | 22°50 | 2°D56 | 2°23 | 21°37 | 15°45 | S 9 |
| M10 | 9 18 50 | 20°57'42 | 5°A55 | 19° 8 | 4°59 | 12°19 | 7°42 | 25°52 | 15° 7 | 23°45 | 22°51 | 2°R56 | 2°20 | 21°44 | 15°48 | M10 |
| T 11 | 9 22 46 | 21°58'22 | 19°32 | 17°58 | 6° 7 | 13° 3 | 7°50 | 25°59 | 15° 9 | 23°47 | 22°52 | 2°55 | 2°17 | 21°50 | 15°52 | T 11 |
| W12 | 9 26 43 | 22°59'01 | 2°Z57 | 16°50 | 7°16 | 13°48 | 7°57 | 26° 6 | 15°11 | 23°48 | 22°54 | 2°52 | 2°14 | 21°57 | 15°55 | W12 |
| T 13 | 9 30 39 | 23°59'38 | 16°12 | 15°46 | 8°23 | 14°32 | 8° 5 | 26°14 | 15°13 | 23°49 | 22°55 | 2°46 | 2°10 | 22° 4 | 15°59 | T 13 |
| F 14 | 9 34 36 | 25° 0'14 | 29°16 | 14°48 | 9°31 | 15°17 | 8°12 | 26°21 | 15°15 | 23°51 | 22°57 | 2°38 | 2° 7 | 22°11 | 16° 2 | F 14 |
| S 15 | 9 38 33 | 26° 0'49 | 12°A 9 | 13°55 | 10°38 | 16° 1 | 8°19 | 26°28 | 15°17 | 23°52 | 22°58 | 2°26 | 2° 4 | 22°17 | 16° 6 | S 15 |
| S 16 | 9 42 29 | 27° 1'23 | 24°50 | 13° 9 | 11°46 | 16°46 | 8°26 | 26°35 | 15°18 | 23°53 | 22°59 | 2°12 | 2° 1 | 22°24 | 16°10 | S 16 |
| M17 | 9 46 26 | 28° 1'54 | 7°K20 | 12°30 | 12°53 | 17°30 | 8°33 | 26°43 | 15°20 | 23°54 | 23° 1 | 1°58 | 1°58 | 22°31 | 16°13 | M17 |
| T 18 | 9 50 22 | 29° 2'24 | 19°38 | 11°59 | 13°59 | 18°15 | 8°39 | 26°50 | 15°22 | 23°56 | 23° 2 | 1°44 | 1°55 | 22°37 | 16°17 | T 18 |
| W19 | 9 54 19 | 0°K 2'53 | 1°Y45 | 11°36 | 15° 6 | 19° 0 | 8°46 | 26°57 | 15°23 | 23°57 | 23° 4 | 1°32 | 1°51 | 22°44 | 16°20 | W19 |
| T 20 | 9 58 15 | 1° 3'19 | 13°42 | 11°20 | 16°12 | 19°45 | 8°52 | 27° 4 | 15°25 | 23°58 | 23° 5 | 1°22 | 1°48 | 22°51 | 16°24 | T 20 |
| F 21 | 10 2 12 | 2° 3'44 | 25°33 | 11°11 | 17°18 | 20°29 | 8°58 | 27°12 | 15°26 | 23°59 | 23° 6 | 1°15 | 1°45 | 22°57 | 16°28 | F 21 |
| S 22 | 10 6 8 | 3° 4'07 | 7°Z20 | 11°D10 | 18°24 | 21°14 | 9° 4 | 27°19 | 15°28 | 24° 0 | 23° 8 | 1°11 | 1°42 | 23° 4 | 16°31 | S 22 |
| S 23 | 10 10 5 | 4° 4'28 | 19° 9 | 11°14 | 19°30 | 21°59 | 9°10 | 27°26 | 15°29 | 24° 1 | 23° 9 | 1° 9 | 1°39 | 23°11 | 16°35 | S 23 |
| M24 | 10 14 2 | 5° 4'47 | 1°II 5 | 11°26 | 20°35 | 22°44 | 9°16 | 27°33 | 15°31 | 24° 2 | 23°11 | 1° 9 | 1°35 | 23°17 | 16°39 | M24 |
| T 25 | 10 17 58 | 6° 5'04 | 13°13 | 11°43 | 21°40 | 23°28 | 9°21 | 27°41 | 15°32 | 24° 3 | 23°12 | 1° 9 | 1°32 | 23°24 | 16°43 | T 25 |
| W26 | 10 21 55 | 7° 5'19 | 25°38 | 12° 5 | 22°45 | 24°13 | 9°27 | 27°48 | 15°33 | 24° 4 | 23°14 | 1° 8 | 1°29 | 23°31 | 16°46 | W26 |
| T 27 | 10 25 51 | 8° 5'32 | 8°Z26 | 12°33 | 23°49 | 24°58 | 9°32 | 27°55 | 15°34 | 24° 5 | 23°15 | 1° 5 | 1°26 | 23°37 | 16°50 | T 27 |
| F 28 | 10 29 48 | 9°K 5'43 | 21°Z41 | 13°A 6 | 24°Y53 | 25°Z43 | 9°A37 | 28°A 2 | 15°A35 | 24°A 6 | 23°K17 | 0°II59 | 1°II23 | 23°Y44 | 16°K54 | F 28 |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | decl | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat |
| S 1 | 17s15 | 24n40 | 4n 4 | 10s47 | 2n 4 | 2s37 | 0s31 | 23s52 | 0s32 | 20s36 | 0n49 | 14s28 | 1s16 | 22s35 | 0n 1 | 22s 1 |
| S 2 | 16 58 | 21 50 | 4 40 | 10 36 | 2 20 | 2 6 | 0 28 | 23 51 | 0 32 | 20 37 | 0 49 | 14 26 | 1 16 | 22 35 | 0 1 22 | 1 18 |
| M 3 | 16 41 | 17 37 | 4 59 | 10 29 | 2 36 | 1 34 | 0 24 | 23 49 | 0 33 | 20 39 | 0 49 | 14 24 | 1 16 | 22 36 | 0 1 22 | 1 18 |
| T 4 | 16 23 | 12 20 | 4 59 | 10 27 | 2 51 | 1 3 | 0 20 | 23 48 | 0 34 | 20 40 | 0 50 | 14 21 | 1 16 | 22 36 | 0 1 22 | 1 18 |
| W 5 | 16 5 | 6 20 | 4 41 | 10 29 | 3 5 | 0 32 | 0 15 | 23 45 | 0 35 | 20 42 | 0 50 | 14 19 | 1 16 | 22 36 | 0 1 22 | 1 18 |
| T 6 | 15 47 | 0 0 | 4 4 | 10 35 | 3 17 | 0 0 | 0 11 | 23 43 | 0 35 | 20 43 | 0 50 | 14 16 | 1 16 | 22 36 | 0 1 22 | 1 18 |
| F 7 | 15 28 | 6s18 | 3 11 | 10 45 | 3 26 | 0n31 | 0 7 | 23 41 | 0 36 | 20 44 | 0 50 | 14 14 | 1 16 | 22 37 | 0 1 22 | 1 18 |
| S 8 | 15 10 | 12 12 | 2 8 | 10 59 | 3 34 | 1 2 | 0 3 | 23 38 | 0 37 | 20 45 | 0 50 | 14 12 | 1 17 | 22 37 | 0 1 22 | 1 18 |
| S 9 | 14 51 | 17 24 | 0 57 | 11 16 | 3 39 | 1 34 | 0n 2 | 23 35 | 0 37 | 20 47 | 0 50 | 14 9 | 1 17 | 22 37 | 0 1 22 | 1 18 |
| M10 | 14 31 | 21 35 | 0s16 | 11 35 | 3 42 | 2 5 | 0 6 | 23 32 | 0 38 | 20 48 | 0 50 | 14 7 | 1 17 | 22 37 | 0 1 22 | 1 18 |
| T 11 | 14 12 | 24 29 | 1 27 | 11 55 | 3 43 | 2 36 | 0 11 | 23 28 | 0 39 | 20 49 | 0 50 | 14 4 | 1 17 | 22 38 | 0 1 22 | 1 18 |
| W12 | 13 52 | 25 57 | 2 32 | 12 17 | 3 41 | 3 7 | 0 15 | 23 24 | 0 40 | 20 50 | 0 50 | 14 2 | 1 17 | 22 38 | 0 1 22 | 1 18 |
| T 13 | 13 32 | 25 55 | 3 27 | 12 40 | 3 37 | 3 38 | 0 20 | 23 20 | 0 40 | 20 51 | 0 50 | 13 59 | 1 17 | 22 38 | 0 1 22 | 1 18 |
| F 14 | 13 12 | 24 25 | 4 11 | 13 2 | 3 31 | 4 9 | 0 25 | 23 16 | 0 41 | 20 52 | 0 50 | 13 57 | 1 17 | 22 38 | 0 1 22 | 1 18 |
| S 15 | 12 52 | 21 40 | 4 41 | 13 25 | 3 24 | 4 40 | 0 29 | 23 12 | 0 42 | 20 53 | 0 50 | 13 55 | 1 17 | 22 39 | 0 1 22 | 1 18 |
| S 16 | 12 31 | 17 55 | 4 57 | 13 46 | 3 15 | 5 11 | 0 34 | 23 7 | 0 43 | 20 54 | 0 50 | 13 52 | 1 17 | 22 39 | 0 1 22 | 1 18 |
| M17 | 12 10 | 13 26 | 4 58 | 14 7 | 3 5 | 5 41 | 0 39 | 23 2 | 0 43 | 20 55 | 0 50 | 13 50 | 1 17 | 22 39 | 0 0 22 | 2 18 |
| T 18 | 11 49 | 8 29 | 4 45 | 14 26 | 2 54 | 6 12 | 0 44 | 22 57 | 0 44 | 20 56 | 0 50 | 13 47 | 1 17 | 22 39 | 0 0 22 | 2 18 |
| W19 | 11 28 | 3 16 | 4 20 | 14 44 | 2 42 | 6 42 | 0 49 | 22 51 | 0 45 | 20 57 | 0 50 | 13 45 | 1 17 | 22 39 | 0 0 22 | 2 18 |
| T 20 | 11 7 | 1n59 | 3 43 | 15 0 | 2 29 | 7 13 | 0 54 | 22 46 | 0 46 | 20 58 | 0 50 | 13 43 | 1 17 | 22 39 | 0 0 22 | 2 18 |
| F 21 | 10 45 | 7 9 | 2 56 | 15 15 | 2 16 | 7 43 | 0 59 | 22 40 | 0 46 | 20 59 | 0 51 | 13 40 | 1 17 | 22 40 | 0 0 22 | 2 18 |
| S 22 | 10 23 | 12 3 | 2 2 | 15 28 | 2 3 | 8 13 | 1 4 | 22 34 | 0 47 | 21 0 | 0 51 | 13 38 | 1 17 | 22 40 | 0 0 22 | 2 18 |
| S 23 | 10 2 | 16 31 | 1 3 | 15 39 | 1 50 | 8 42 | 1 9 | 22 27 | 0 48 | 21 1 | 0 51 | 13 35 | 1 17 | 22 40 | 0 0 22 | 2 18 |
| M24 | 9 40 | 20 24 | 0 0 | 15 49 | 1 37 | 9 12 | 1 15 | 22 21 | 0 48 | 21 2 | 0 51 | 13 33 | 1 17 | 22 40 | 0 0 22 | 2 18 |
| T 25 | 9 17 | 23 27 | 1n 3 | 15 57 | 1 24 | 9 41 | 1 20 | 22 14 | 0 49 | 21 2 | 0 51 | 13 30 | 1 18 | 22 40 | 0 0 22 | 2 18 |
| W26 | 8 55 | 25 29 | 2 6 | 16 3 | 1 11 | 10 10 | 1 25 | 22 7 | 0 50 | 21 3 | 0 51 | 13 28 | 1 18 | 22 40 | 0 0 22 | 2 18 |
| T 27 | 8 33 | 26 15 | 3 4 | 16 8 | 0 58 | 10 39 | 1 30 | 21 59 | 0 51 | 21 4 | 0 51 | 13 26 | 1 18 | 22 41 | 0 0 22 | 2 18 |
| F 28 | 8s10 | 25n34 | 3n54 | 16s10 | 0n46 | 11n 8 | 1n36 | 21s52 | 0s51 | 21s 4 | 0n51 | 13s23 | 1s18 | 22s41 | 0n 0 | 22s 2 |

Julian Day Number = 2384736.5, Delta T = 16.57 sec
 Ecliptic obliquity = 23°27'51, Nutation = - 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°11'11, Lahiri = 21°18'11

ASTRODIENST EPHEMERIS for the year 1817

geocentric

MARCH 1817

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | ♈ | ♉ | Day |
|------|----------|----------|-------|-------|-------|-------|--------|-------|--------|--------|-------|--------|-------|-------|-------|------|
| S 1 | 10 33 44 | 10♈ 5'52 | 5♏24 | 13♎43 | 25♏57 | 26♏28 | 9♎42 | 28♎9 | 15♎36 | 24♎7 | 23♎18 | 0°R51 | 1♏20 | 23♏51 | 16♎57 | S 1 |
| S 2 | 10 37 41 | 11° 5'59 | 19°35 | 14°24 | 27° 1 | 27°13 | 9°46 | 28°16 | 15°38 | 24° 8 | 23°20 | 0♏41 | 1°16 | 23°57 | 17° 1 | S 2 |
| M 3 | 10 41 37 | 12° 6'03 | 4♏10 | 15° 9 | 28° 4 | 27°58 | 9°51 | 28°24 | 15°38 | 24° 9 | 23°21 | 0°29 | 1°13 | 24° 4 | 17° 5 | M 3 |
| T 4 | 10 45 34 | 13° 6'06 | 19° 2 | 15°57 | 29° 7 | 28°43 | 9°55 | 28°31 | 15°39 | 24° 9 | 23°23 | 0°18 | 1°10 | 24°11 | 17° 9 | T 4 |
| W 5 | 10 49 31 | 14° 6'07 | 4♏1 | 16°49 | 0♏9 | 29°28 | 10° 0 | 28°38 | 15°40 | 24°10 | 23°24 | 0° 8 | 1° 7 | 24°17 | 17°12 | W 5 |
| T 6 | 10 53 27 | 15° 6'07 | 19° 0 | 17°44 | 1°11 | 0♏13 | 10° 4 | 28°45 | 15°41 | 24°11 | 23°26 | 0° 0 | 1° 4 | 24°24 | 17°16 | T 6 |
| F 7 | 10 57 24 | 16° 6'04 | 3♏48 | 18°42 | 2°13 | 0°58 | 10° 7 | 28°52 | 15°42 | 24°12 | 23°27 | 29♏55 | 1° 1 | 24°31 | 17°20 | F 7 |
| S 8 | 11 1 20 | 17° 6'00 | 18°20 | 19°43 | 3°15 | 1°43 | 10°11 | 28°59 | 15°43 | 24°12 | 23°29 | 29°53 | 0°57 | 24°37 | 17°24 | S 8 |
| S 9 | 11 5 17 | 18° 5'54 | 2♎33 | 20°46 | 4°16 | 2°28 | 10°15 | 29° 6 | 15°43 | 24°13 | 23°30 | 29°D53 | 0°54 | 24°44 | 17°27 | S 9 |
| M10 | 11 9 13 | 19° 5'47 | 16°25 | 21°52 | 5°16 | 3°14 | 10°18 | 29°13 | 15°44 | 24°13 | 23°32 | 29°R53 | 0°51 | 24°51 | 17°31 | M10 |
| T 11 | 11 13 10 | 20° 5'38 | 29°58 | 22°59 | 6°16 | 3°59 | 10°21 | 29°20 | 15°44 | 24°14 | 23°34 | 29°53 | 0°48 | 24°57 | 17°35 | T 11 |
| W12 | 11 17 6 | 21° 5'28 | 13♏13 | 24° 9 | 7°16 | 4°44 | 10°24 | 29°27 | 15°45 | 24°15 | 23°35 | 29°51 | 0°45 | 25° 4 | 17°39 | W12 |
| T 13 | 11 21 3 | 22° 5'15 | 26°13 | 25°22 | 8°15 | 5°29 | 10°27 | 29°34 | 15°45 | 24°15 | 23°37 | 29°46 | 0°41 | 25°11 | 17°42 | T 13 |
| F 14 | 11 25 0 | 23° 5'01 | 8♎59 | 26°36 | 9°14 | 6°14 | 10°30 | 29°41 | 15°46 | 24°15 | 23°38 | 29°39 | 0°38 | 25°17 | 17°46 | F 14 |
| S 15 | 11 28 56 | 24° 4'45 | 21°33 | 27°51 | 10°13 | 7° 0 | 10°32 | 29°48 | 15°46 | 24°16 | 23°40 | 29°29 | 0°35 | 25°24 | 17°50 | S 15 |
| S 16 | 11 32 53 | 25° 4'27 | 3♎57 | 29° 9 | 11°11 | 7°45 | 10°34 | 29°54 | 15°46 | 24°16 | 23°41 | 29°17 | 0°32 | 25°31 | 17°54 | S 16 |
| M17 | 11 36 49 | 26° 4'08 | 16°12 | 0♎29 | 12° 8 | 8°30 | 10°36 | 0♎1 | 15°47 | 24°17 | 23°43 | 29° 5 | 0°29 | 25°37 | 17°57 | M17 |
| T 18 | 11 40 46 | 27° 3'46 | 28°18 | 1°50 | 13° 5 | 9°16 | 10°38 | 0° 8 | 15°47 | 24°17 | 23°44 | 28°53 | 0°26 | 25°44 | 18° 1 | T 18 |
| W19 | 11 44 42 | 28° 3'22 | 10♏17 | 3°12 | 14° 1 | 10° 1 | 10°40 | 0°15 | 15°47 | 24°17 | 23°46 | 28°43 | 0°22 | 25°51 | 18° 5 | W19 |
| T 20 | 11 48 39 | 29° 2'56 | 22° 9 | 4°37 | 14°57 | 10°46 | 10°42 | 0°21 | 15°47 | 24°17 | 23°47 | 28°34 | 0°19 | 25°57 | 18° 9 | T 20 |
| F 21 | 11 52 35 | 0♏2'28 | 3♎57 | 6° 2 | 15°53 | 11°32 | 10°43 | 0°28 | 15°R47 | 24°18 | 23°49 | 28°29 | 0°16 | 26° 4 | 18°12 | F 21 |
| S 22 | 11 56 32 | 1° 1'58 | 15°44 | 7°30 | 16°47 | 12°17 | 10°44 | 0°35 | 15°47 | 24°18 | 23°50 | 28°25 | 0°13 | 26°11 | 18°16 | S 22 |
| S 23 | 12 0 28 | 2° 1'26 | 27°33 | 8°58 | 17°41 | 13° 2 | 10°45 | 0°41 | 15°47 | 24°18 | 23°52 | 28°D24 | 0°10 | 26°17 | 18°20 | S 23 |
| M24 | 12 4 25 | 3° 0'51 | 9♏29 | 10°28 | 18°35 | 13°48 | 10°46 | 0°48 | 15°47 | 24°18 | 23°53 | 28°25 | 0° 7 | 26°24 | 18°23 | M24 |
| T 25 | 12 8 22 | 4° 0'14 | 21°35 | 12° 0 | 19°27 | 14°33 | 10°47 | 0°54 | 15°47 | 24°18 | 23°55 | 28°26 | 0° 3 | 26°31 | 18°27 | T 25 |
| W26 | 12 12 18 | 4°59'35 | 3♏58 | 13°33 | 20°19 | 15°19 | 10°47 | 1° 1 | 15°46 | 24°18 | 23°56 | 28°R27 | 0° 0 | 26°37 | 18°31 | W26 |
| T 27 | 12 16 15 | 5°58'54 | 16°42 | 15° 8 | 21°11 | 16° 4 | 10°47 | 1° 7 | 15°46 | 24°R18 | 23°58 | 28°26 | 29♏57 | 26°44 | 18°34 | T 27 |
| F 28 | 12 20 11 | 6°58'10 | 29°52 | 16°43 | 22° 1 | 16°49 | 10°R47 | 1°13 | 15°46 | 24°18 | 23°59 | 28°23 | 29°54 | 26°51 | 18°38 | F 28 |
| S 29 | 12 24 8 | 7°57'24 | 13♏30 | 18°21 | 22°51 | 17°35 | 10°47 | 1°20 | 15°45 | 24°18 | 24° 1 | 28°19 | 29°51 | 26°57 | 18°41 | S 29 |
| S 30 | 12 28 4 | 8°56'35 | 27°38 | 19°59 | 23°40 | 18°20 | 10°47 | 1°26 | 15°45 | 24°18 | 24° 2 | 28°13 | 29°47 | 27° 4 | 18°45 | S 30 |
| M31 | 12 32 1 | 9♏55'44 | 12♏14 | 21♎39 | 24♏29 | 19♎6 | 10♎46 | 1♎32 | 15♎45 | 24♎18 | 24♎4 | 28♎5 | 29♎44 | 27♀11 | 18♎49 | M31 |

| Day | ☉ | ☽ | | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|-------|------|------|------|-----|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| S 1 | 7s47 | 23n20 | 4n32 | 16s11 | 0n34 | 11n36 | 1n41 | 21s44 | 0s52 | 21s 5 | 0n51 | 13s21 | 1s18 | 22s41 | 0n 0 | 22s 2 | 1n18 | 16s45 | 15s23 | 20n21 | 20n27 | 6n21 | 1s 9 | 4n20 | |
| S 2 | 7 25 | 19 38 | 4 55 | 16 11 | 0 22 | 12 4 | 1 46 | 21 36 | 0 53 | 21 6 | 0 51 | 13 18 | 1 18 | 22 41 | 0 0 | 22 2 | 1 18 | 16 44 | 15 23 | 20 19 | 20 26 | 6 24 | 1 8 | 4 20 | |
| M 3 | 7 2 | 14 39 | 5 0 | 16 9 | 0 10 | 12 32 | 1 52 | 21 28 | 0 54 | 21 6 | 0 51 | 13 16 | 1 18 | 22 41 | 0 0 | 22 2 | 1 18 | 16 44 | 15 23 | 20 16 | 20 26 | 6 27 | 1 7 | 4 20 | |
| T 4 | 6 39 | 8 43 | 4 45 | 16 5 | 0s 1 | 13 0 | 1 57 | 21 19 | 0 54 | 21 7 | 0 51 | 13 14 | 1 18 | 22 41 | 0 0 | 22 2 | 1 19 | 16 43 | 15 23 | 20 14 | 20 25 | 6 30 | 1 5 | 4 20 | |
| W 5 | 6 16 | 2 14 | 4 10 | 16 0 | 0 12 | 13 27 | 2 2 | 21 11 | 0 55 | 21 7 | 0 51 | 13 11 | 1 18 | 22 41 | 0 0 | 22 2 | 1 19 | 16 42 | 15 23 | 20 12 | 20 24 | 6 33 | 1 4 | 4 20 | |
| T 6 | 5 53 | 4s23 | 3 18 | 15 53 | 0 22 | 13 54 | 2 8 | 21 2 | 0 56 | 21 8 | 0 51 | 13 9 | 1 18 | 22 41 | 0 0 | 22 2 | 1 19 | 16 42 | 15 23 | 20 10 | 20 24 | 6 36 | 1 2 | 4 20 | |
| F 7 | 5 29 | 10 42 | 2 14 | 15 44 | 0 32 | 14 21 | 2 13 | 20 53 | 0 56 | 21 8 | 0 52 | 13 6 | 1 18 | 22 41 | 0 0 | 22 2 | 1 19 | 16 41 | 15 23 | 20 9 | 20 23 | 6 39 | 1 1 | 4 20 | |
| S 8 | 5 6 | 16 20 | 1 1 | 15 34 | 0 41 | 14 47 | 2 19 | 20 44 | 0 57 | 21 9 | 0 52 | 13 4 | 1 19 | 22 42 | 0 0 | 22 2 | 1 19 | 16 41 | 15 23 | 20 9 | 20 22 | 6 42 | 1 0 | 4 20 | |
| S 9 | 4 43 | 20 55 | 0s14 | 15 23 | 0 51 | 15 13 | 2 24 | 20 34 | 0 58 | 21 9 | 0 52 | 13 2 | 1 19 | 22 42 | 0 0 | 22 2 | 1 19 | 16 40 | 15 23 | 20 9 | 20 22 | 6 46 | 0 58 | 4 20 | |
| M10 | 4 19 | 24 13 | 1 27 | 15 10 | 0 59 | 15 39 | 2 30 | 20 24 | 0 59 | 21 10 | 0 52 | 12 59 | 1 19 | 22 42 | 0 0 | 22 2 | 1 19 | 16 39 | 15 23 | 20 9 | 20 21 | 6 49 | 0 57 | 4 20 | |
| T 11 | 3 56 | 26 0 | 2 33 | 14 56 | 1 8 | 16 4 | 2 35 | 20 14 | 0 59 | 21 10 | 0 52 | 12 57 | 1 19 | 22 42 | 0 0 | 22 2 | 1 19 | 16 39 | 15 23 | 20 9 | 20 20 | 6 52 | 0 55 | 4 20 | |
| W12 | 3 32 | 26 16 | 3 29 | 14 40 | 1 15 | 16 29 | 2 41 | 20 4 | 1 0 | 21 11 | 0 52 | 12 55 | 1 19 | 22 42 | 0 0 | 22 2 | 1 19 | 16 38 | 15 23 | 20 8 | 20 20 | 6 55 | 0 54 | 4 20 | |
| T 13 | 3 9 | 25 4 | 4 13 | 14 23 | 1 23 | 16 53 | 2 46 | 19 54 | 1 1 | 21 11 | 0 52 | 12 52 | 1 19 | 22 42 | 0 0 | 22 2 | 1 19 | 16 37 | 15 23 | 20 7 | 20 19 | 6 58 | 0 53 | 4 20 | |
| F 14 | 2 45 | 22 35 | 4 43 | 14 4 | 1 30 | 17 18 | 2 51 | 19 44 | 1 2 | 21 11 | 0 52 | 12 50 | 1 19 | 22 42 | 0 0 | 22 2 | 1 19 | 16 37 | 15 23 | 20 6 | 20 18 | 7 1 | 0 51 | 4 20 | |
| S 15 | 2 21 | 19 3 | 5 0 | 13 44 | 1 37 | 17 41 | 2 57 | 19 33 | 1 2 | 21 11 | 0 52 | 12 48 | 1 19 | 22 42 | 0 0 | 22 2 | 1 19 | 16 36 | 15 23 | 20 4 | 20 18 | 7 4 | 0 50 | 4 20 | |
| S 16 | 1 58 | 14 45 | 5 2 | 13 23 | 1 43 | 18 5 | 3 2 | 19 22 | 1 3 | 21 12 | 0 52 | 12 45 | 1 19 | 22 42 | 0 0 | 22 2 | 1 19 | 16 36 | 15 23 | 20 1 | 20 17 | 7 7 | 0 48 | 4 20 | |
| M17 | 1 34 | 9 54 | 4 49 | 13 0 | 1 48 | 18 28 | 3 8 | 19 11 | 1 4 | 21 12 | 0 52 | 12 43 | 1 19 | 22 42 | 0 0 | 22 2 | 1 19 | 16 35 | 15 23 | 19 58 | 20 16 | 7 10 | 0 47 | 4 20 | |
| T 18 | 1 10 | 4 43 | 4 24 | 12 36 | 1 54 | 18 51 | 3 13 | 18 59 | 1 4 | 21 12 | 0 52 | 12 41 | 1 20 | 22 42 | 0 0 | 22 1 | 1 19 | 16 34 | 15 23 | 19 56 | 20 16 | 7 13 | 0 46 | 4 19 | |
| W19 | 0 46 | 0n35 | 3 48 | 12 11 | 1 59 | 19 13 | 3 18 | 18 48 | 1 5 | 21 12 | 0 52 | 12 38 | 1 20 | 22 42 | 0 0 | 22 1 | 1 19 | 16 34 | 15 23 | 19 54 | 20 15 | 7 16 | 0 44 | 4 19 | |
| T 20 | 0 23 | 5 50 | 3 1 | 11 44 | 2 3 | 19 35 | 3 23 | 18 36 | 1 6 | 21 12 | 0 52 | 12 36 | 1 20 | 22 42 | 0 0 | 22 1 | 1 19 | 16 33 | 15 23 | 19 52 | 20 14 | 7 19 | 0 43 | 4 19 | |
| F 21 | 0n 1 | 10 51 | 2 7 | 11 16 | 2 7 | 19 56 | 3 29 | 18 24 | 1 6 | 21 13 | 0 53 | 12 34 | 1 20 | 22 42 | 0 0 | 22 1 | 1 19 | 16 33 | 15 23 | 19 50 | 20 14 | 7 23 | 0 41 | 4 19 | |
| S 22 | 0 25 | 15 30 | 1 7 | 10 47 | 2 11 | 20 17 | 3 34 | 18 12 | 1 7 | 21 13 | 0 53 | 12 32 | 1 20 | 22 42 | 0 0 | 22 1 | 1 19 | 16 32 | 15 23 | 19 50 | 20 13 | 7 26 | 0 40 | 4 19 | |
| S 23 | 0 48 | 19 34 | 0 5 | 10 17 | 2 14 | 20 38 | 3 39 | 18 0 | 1 8 | 21 13 | 0 53 | 12 29 | 1 20 | 22 42 | 0 0 | 22 1 | 1 19 | 16 32 | 15 23 | 19 50 | 20 12 | 7 29 | 0 38 | 4 19 | |
| M24 | 1 12 | 22 52 | 0n59 | 9 45 | 2 16 | 20 58 | 3 44 | 17 48 | 1 9 | 21 13 | 0 53 | 12 27 | 1 20 | 22 42 | 0 0 | 22 1 | 1 19 | 16 31 | 15 23 | 19 50 | 20 12 | 7 32 | 0 37 | 4 19 | |
| T 25 | 1 36 | 25 13 | 2 1 | 9 12 | 2 18 | 21 17 | 3 49 | 17 35 | 1 9 | 21 13 | 0 53 | 12 25 | 1 20 | 22 42 | 0 0 | 22 1 | 1 19 | 16 31 | 15 24 | 19 50 | 20 11 | 7 35 | 0 36 | 4 19 | |
| W26 | 1 59 | 26 24 | 2 59 | 8 38 | 2 20 | 21 36 | 3 54 | 17 23 | 1 10 | 21 13 | 0 53 | 12 23 | 1 21 | 22 42 | 0 0 | 22 1 | 1 19 | 16 30 | 15 24 | 19 50 | 20 10 | 7 38 | 0 34 | 4 19 | |
| T 27 | 2 23 | 26 13 | 3 50 | 8 2 | 2 21 | 21 55 | 3 59 | 17 10 | 1 11 | 21 13 | 0 53 | 12 21 | 1 21 | 22 42 | 0 0 | 22 1 | 1 19 | 16 29 | 15 24 | 19 50 | 20 10 | 7 41 | 0 33 | 4 19 | |
| F 28 | 2 46 | 24 36 | 4 31 | 7 26 | 2 22 | 22 13 | 4 4 | 16 57 | 1 11 | 21 13 | 0 53 | 12 19 | 1 21 | 22 42 | 0 0 | 22 1 | 1 19 | 16 29 | 15 24 | 19 49 | 20 9 | 7 44 | 0 31 | 4 19 | |
| S 29 | 3 10 | 21 32 | 4 57 | 6 48 | 2 23 | 22 31 | 4 9 | 16 43 | 1 12 | 21 13 | 0 53 | 12 16 | 1 21 | 22 42 | 0 0 | 22 1 | 1 19 | 16 28 | 15 24 | 19 48 | 20 8 | 7 47 | 0 30 | 4 19 | |
| S 30 | 3 33 | 17 7 | 5 8 | 6 9 | 2 22 | 22 48 | 4 13 | 16 30 | 1 13 | 21 13 | 0 53 | 12 14 | 1 21 | 22 42 | 0 0 | 22 1 | 1 19 | 16 28 | 15 24 | 19 47 | 20 8 | 7 50 | 0 28 | 4 19 | |
| M31 | 3n56 | 11n34 | 4n58 | 5s29 | 2s22 | 23n 5 | 4n18 | 16s16 | 1s13 | 21s12 | 0n53 | 12s12 | 1s21 | 22s42 | 0n 0 | 22s 1 | 1n20 | 16s27 | 15s24 | 19n45 | 20n 7 | 7n53 | 0s27 | 4n20 | |

ASTRODIENST EPHEMERIS for the year 1817
geocentric

MAY 1817

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | ♈ | ♉ | Day |
|------|----------|----------|-------|--------|-------|-------|-------|------|--------|--------|-------|--------|-------|------|-------|------|
| T 1 | 14 34 14 | 10♈13'39 | 5♎47 | 23♋6 | 8°R45 | 12♌37 | 9°R 2 | 4♍17 | 15°R 6 | 23°R59 | 24♎46 | 27°R 1 | 28♏6 | 0♈37 | 20♌27 | T 1 |
| F 2 | 14 38 11 | 11°11'47 | 20°58 | 25° 3 | 8♎43 | 13°22 | 8♏56 | 4°21 | 15♌4 | 23♎58 | 24°47 | 27°D 0 | 28° 3 | 0°44 | 20°30 | F 2 |
| S 3 | 14 42 7 | 12° 9'52 | 5♌58 | 26°58 | 8°39 | 14° 7 | 8°50 | 4°25 | 15° 3 | 23°57 | 24°48 | 27♋0 | 27°59 | 0°51 | 20°32 | S 3 |
| S 4 | 14 46 4 | 13° 7'57 | 20°40 | 28°50 | 8°32 | 14°53 | 8°44 | 4°30 | 15° 1 | 23°56 | 24°49 | 27° 1 | 27°56 | 0°57 | 20°35 | S 4 |
| M 5 | 14 50 0 | 14° 5'59 | 4♌58 | 0♎38 | 8°22 | 15°38 | 8°38 | 4°34 | 14°59 | 23°55 | 24°50 | 27° 2 | 27°53 | 1° 4 | 20°38 | M 5 |
| T 6 | 14 53 57 | 15° 4'01 | 18°49 | 2°24 | 8°10 | 16°23 | 8°32 | 4°37 | 14°57 | 23°54 | 24°51 | 27° 3 | 27°50 | 1°11 | 20°40 | T 6 |
| W 7 | 14 57 53 | 16° 2'01 | 2♌14 | 4° 6 | 7°56 | 17° 9 | 8°25 | 4°41 | 14°55 | 23°52 | 24°52 | 27° 4 | 27°47 | 1°17 | 20°42 | W 7 |
| T 8 | 15 1 50 | 16°59'59 | 15°14 | 5°45 | 7°39 | 17°54 | 8°19 | 4°45 | 14°53 | 23°51 | 24°53 | 27°R 4 | 27°44 | 1°24 | 20°45 | T 8 |
| F 9 | 15 5 47 | 17°57'56 | 27°52 | 7°21 | 7°20 | 18°39 | 8°12 | 4°49 | 14°50 | 23°50 | 24°54 | 27° 4 | 27°40 | 1°31 | 20°47 | F 9 |
| S 10 | 15 9 43 | 18°55'52 | 10♌13 | 8°52 | 6°59 | 19°24 | 8° 5 | 4°52 | 14°48 | 23°49 | 24°55 | 27° 3 | 27°37 | 1°37 | 20°50 | S 10 |
| S 11 | 15 13 40 | 19°53'47 | 22°20 | 10°21 | 6°35 | 20°10 | 7°58 | 4°56 | 14°46 | 23°47 | 24°56 | 27° 3 | 27°34 | 1°44 | 20°52 | S 11 |
| M12 | 15 17 36 | 20°51'40 | 4♎17 | 11°45 | 6°10 | 20°55 | 7°51 | 4°59 | 14°44 | 23°46 | 24°57 | 27° 2 | 27°31 | 1°51 | 20°54 | M12 |
| T 13 | 15 21 33 | 21°49'32 | 16° 8 | 13° 6 | 5°42 | 21°40 | 7°44 | 5° 3 | 14°42 | 23°45 | 24°58 | 27° 1 | 27°28 | 1°57 | 20°56 | T 13 |
| W14 | 15 25 29 | 22°47'23 | 27°56 | 14°23 | 5°13 | 22°25 | 7°37 | 5° 6 | 14°40 | 23°44 | 24°59 | 27° 0 | 27°24 | 2° 4 | 20°59 | W14 |
| T 15 | 15 29 26 | 23°45'12 | 9♌44 | 15°36 | 4°41 | 23°10 | 7°30 | 5° 9 | 14°37 | 23°42 | 25° 0 | 27° 0 | 27°21 | 2°11 | 21° 1 | T 15 |
| F 16 | 15 33 22 | 24°43'00 | 21°34 | 16°45 | 4° 9 | 23°55 | 7°23 | 5°12 | 14°35 | 23°41 | 25° 1 | 27°D 0 | 27°18 | 2°17 | 21° 3 | F 16 |
| S 17 | 15 37 19 | 25°40'47 | 3♎29 | 17°50 | 3°35 | 24°40 | 7°16 | 5°15 | 14°33 | 23°40 | 25° 2 | 27° 0 | 27°15 | 2°24 | 21° 5 | S 17 |
| S 18 | 15 41 16 | 26°38'32 | 15°31 | 18°51 | 2°59 | 25°25 | 7° 8 | 5°18 | 14°31 | 23°38 | 25° 3 | 27°R 0 | 27°12 | 2°31 | 21° 7 | S 18 |
| M19 | 15 45 12 | 27°36'16 | 27°41 | 19°48 | 2°23 | 26°10 | 7° 1 | 5°21 | 14°28 | 23°37 | 25° 3 | 27° 0 | 27° 9 | 2°37 | 21° 9 | M19 |
| T 20 | 15 49 9 | 28°33'58 | 10♌3 | 20°40 | 1°46 | 26°55 | 6°53 | 5°23 | 14°26 | 23°35 | 25° 4 | 27° 0 | 27° 5 | 2°44 | 21°11 | T 20 |
| W21 | 15 53 5 | 29°31'39 | 22°37 | 21°29 | 1° 9 | 27°40 | 6°46 | 5°26 | 14°24 | 23°34 | 25° 5 | 27° 0 | 27° 2 | 2°51 | 21°13 | W21 |
| T 22 | 15 57 2 | 0♎29'19 | 5♎28 | 22°13 | 0°31 | 28°25 | 6°38 | 5°29 | 14°21 | 23°32 | 25° 6 | 26°59 | 26°59 | 2°57 | 21°14 | T 22 |
| F 23 | 16 0 58 | 1°26'56 | 18°36 | 22°53 | 29♌53 | 29°10 | 6°31 | 5°31 | 14°19 | 23°31 | 25° 7 | 26°59 | 26°56 | 3° 4 | 21°16 | F 23 |
| S 24 | 16 4 55 | 2°24'33 | 2♎4 | 23°28 | 29°16 | 29°55 | 6°23 | 5°33 | 14°16 | 23°30 | 25° 7 | 26°D59 | 26°53 | 3°11 | 21°18 | S 24 |
| S 25 | 16 8 51 | 3°22'08 | 15°53 | 23°58 | 28°39 | 0♎39 | 6°16 | 5°36 | 14°14 | 23°28 | 25° 8 | 26°59 | 26°50 | 3°17 | 21°20 | S 25 |
| M26 | 16 12 48 | 4°19'41 | 0♌4 | 24°25 | 28° 3 | 1°24 | 6° 8 | 5°38 | 14°12 | 23°27 | 25° 9 | 26°59 | 26°46 | 3°24 | 21°21 | M26 |
| T 27 | 16 16 45 | 5°17'13 | 14°34 | 24°46 | 27°27 | 2° 9 | 6° 0 | 5°40 | 14° 9 | 23°25 | 25° 9 | 27° 0 | 26°43 | 3°30 | 21°23 | T 27 |
| W28 | 16 20 41 | 6°14'43 | 29°20 | 25° 3 | 26°53 | 2°53 | 5°53 | 5°42 | 14° 7 | 23°23 | 25°10 | 27° 1 | 26°40 | 3°37 | 21°24 | W28 |
| T 29 | 16 24 38 | 7°12'13 | 14♎16 | 25°15 | 26°20 | 3°38 | 5°45 | 5°44 | 14° 4 | 23°22 | 25°11 | 27° 1 | 26°37 | 3°44 | 21°26 | T 29 |
| F 30 | 16 28 34 | 8° 9'41 | 29°15 | 25°22 | 25°49 | 4°22 | 5°37 | 5°45 | 14° 2 | 23°20 | 25°11 | 27°R 2 | 26°34 | 3°50 | 21°27 | F 30 |
| S 31 | 16 32 31 | 9♎7'08 | 14♌9 | 25°R25 | 25♌19 | 5♎7 | 5♌30 | 5♌47 | 13♌59 | 23♌19 | 25♌12 | 27♌1 | 26♌30 | 3♌57 | 21♌28 | S 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 |
| T 1 | 14n54 | 11s39 | 1n55 | 19n59 | 1n28 | 26n57 | 5n13 | 8s15 | 1s32 | 20s56 | 0n54 | 11s17 | 1s26 | 22s38 | 0s 0 | 21s59 | 1n20 | 16s16 | 15s30 | 19n31 | 19n45 | 9n28 | 0n14 | 4n22 | | | |
| F 2 | 15 12 | 17 29 | 0 33 | 20 37 | 1 37 | 26 53 | 5 10 | 7 58 | 1 32 | 20 55 | 0 54 | 11 16 | 1 27 | 22 38 | 0 0 | 21 59 | 1 21 | 16 16 | 15 30 | 19 31 | 19 45 | 9 31 | 0 15 | 4 22 | | | |
| S 3 | 15 30 | 22 8 | 0s49 | 21 12 | 1 45 | 26 48 | 5 6 | 7 41 | 1 33 | 20 54 | 0 54 | 11 15 | 1 27 | 22 38 | 0 0 | 21 59 | 1 21 | 16 16 | 15 30 | 19 31 | 19 44 | 9 34 | 0 16 | 4 22 | | | |
| S 4 | 15 48 | 25 15 | 2 7 | 21 45 | 1 52 | 26 43 | 5 2 | 7 24 | 1 33 | 20 54 | 0 54 | 11 13 | 1 27 | 22 37 | 0 0 | 21 59 | 1 21 | 16 16 | 15 31 | 19 31 | 19 43 | 9 37 | 0 17 | 4 22 | | | |
| M 5 | 16 5 | 26 37 | 3 15 | 22 15 | 1 59 | 26 37 | 4 57 | 7 6 | 1 34 | 20 53 | 0 54 | 11 12 | 1 27 | 22 37 | 0 0 | 21 59 | 1 21 | 16 15 | 15 31 | 19 31 | 19 43 | 9 41 | 0 18 | 4 22 | | | |
| T 6 | 16 22 | 26 15 | 4 9 | 22 43 | 2 5 | 26 29 | 4 52 | 6 49 | 1 34 | 20 52 | 0 54 | 11 11 | 1 27 | 22 37 | 0 0 | 21 59 | 1 21 | 16 15 | 15 31 | 19 31 | 19 42 | 9 44 | 0 19 | 4 23 | | | |
| W 7 | 16 39 | 24 21 | 4 48 | 23 8 | 2 11 | 26 21 | 4 46 | 6 32 | 1 35 | 20 51 | 0 54 | 11 10 | 1 28 | 22 37 | 0 0 | 21 59 | 1 21 | 16 15 | 15 32 | 19 31 | 19 41 | 9 47 | 0 20 | 4 23 | | | |
| T 8 | 16 56 | 21 13 | 5 10 | 23 31 | 2 16 | 26 12 | 4 39 | 6 15 | 1 35 | 20 50 | 0 54 | 11 8 | 1 28 | 22 37 | 0 0 | 21 59 | 1 21 | 16 15 | 15 32 | 19 31 | 19 40 | 9 50 | 0 21 | 4 23 | | | |
| F 9 | 17 12 | 17 11 | 5 17 | 23 51 | 2 19 | 26 2 | 4 32 | 5 57 | 1 35 | 20 49 | 0 54 | 11 7 | 1 28 | 22 36 | 0 0 | 21 59 | 1 21 | 16 15 | 15 32 | 19 31 | 19 40 | 9 53 | 0 22 | 4 23 | | | |
| S 10 | 17 28 | 12 30 | 5 9 | 24 9 | 2 22 | 25 50 | 4 24 | 5 40 | 1 36 | 20 48 | 0 54 | 11 6 | 1 28 | 22 36 | 0 0 | 21 59 | 1 21 | 16 15 | 15 32 | 19 31 | 19 39 | 9 56 | 0 24 | 4 23 | | | |
| S 11 | 17 44 | 7 26 | 4 47 | 24 24 | 2 25 | 25 38 | 4 16 | 5 23 | 1 36 | 20 47 | 0 54 | 11 5 | 1 28 | 22 36 | 0 0 | 21 58 | 1 21 | 16 15 | 15 33 | 19 31 | 19 38 | 9 59 | 0 25 | 4 23 | | | |
| M12 | 17 59 | 2 10 | 4 13 | 24 38 | 2 26 | 25 25 | 4 7 | 5 5 | 1 37 | 20 46 | 0 54 | 11 4 | 1 29 | 22 36 | 0 0 | 21 58 | 1 21 | 16 14 | 15 33 | 19 31 | 19 38 | 10 2 | 0 26 | 4 23 | | | |
| T 13 | 18 14 | 3n 9 | 3 28 | 24 49 | 2 26 | 25 10 | 3 57 | 4 48 | 1 37 | 20 44 | 0 54 | 11 3 | 1 29 | 22 35 | 0 0 | 21 58 | 1 21 | 16 14 | 15 33 | 19 31 | 19 37 | 10 5 | 0 27 | 4 24 | | | |
| W14 | 18 29 | 8 21 | 2 35 | 24 58 | 2 26 | 24 55 | 3 47 | 4 30 | 1 38 | 20 43 | 0 54 | 11 2 | 1 29 | 22 35 | 0 0 | 21 58 | 1 21 | 16 14 | 15 34 | 19 31 | 19 36 | 10 8 | 0 28 | 4 24 | | | |
| T 15 | 18 44 | 13 15 | 1 34 | 25 5 | 2 24 | 24 39 | 3 37 | 4 13 | 1 38 | 20 42 | 0 54 | 11 1 | 1 29 | 22 35 | 0 0 | 21 58 | 1 21 | 16 14 | 15 34 | 19 31 | 19 35 | 10 11 | 0 29 | 4 24 | | | |
| F 16 | 18 58 | 17 41 | 0 30 | 25 10 | 2 22 | 24 22 | 3 25 | 3 55 | 1 38 | 20 41 | 0 54 | 11 0 | 1 29 | 22 35 | 0 0 | 21 58 | 1 21 | 16 14 | 15 34 | 19 30 | 19 35 | 10 14 | 0 30 | 4 24 | | | |
| S 17 | 19 12 | 21 28 | 0n36 | 25 13 | 2 19 | 24 3 | 3 14 | 3 38 | 1 39 | 20 40 | 0 53 | 10 59 | 1 30 | 22 34 | 0 0 | 21 58 | 1 21 | 16 14 | 15 35 | 19 30 | 19 34 | 10 17 | 0 30 | 4 24 | | | |
| S 18 | 19 26 | 24 21 | 1 41 | 25 14 | 2 15 | 23 45 | 3 1 | 3 20 | 1 39 | 20 39 | 0 53 | 10 58 | 1 30 | 22 34 | 0 0 | 21 58 | 1 21 | 16 14 | 15 35 | 19 30 | 19 33 | 10 20 | 0 31 | 4 24 | | | |
| M19 | 19 39 | 26 9 | 2 42 | 25 13 | 2 10 | 23 25 | 2 49 | 3 3 | 1 39 | 20 38 | 0 53 | 10 57 | 1 30 | 22 34 | 0 0 | 21 58 | 1 21 | 16 14 | 15 35 | 19 30 | 19 32 | 10 23 | 0 32 | 4 24 | | | |
| T 20 | 19 52 | 26 41 | 3 37 | 25 11 | 2 4 | 23 5 | 2 36 | 2 45 | 1 40 | 20 37 | 0 53 | 10 57 | 1 30 | 22 34 | 0 0 | 21 58 | 1 21 | 16 14 | 15 36 | 19 30 | 19 32 | 10 26 | 0 33 | 4 25 | | | |
| W21 | 20 4 | 25 52 | 4 22 | 25 8 | 1 57 | 22 44 | 2 23 | 2 28 | 1 40 | 20 35 | 0 53 | 10 56 | 1 30 | 22 33 | 0 0 | 21 58 | 1 21 | 16 14 | 15 36 | 19 30 | 19 31 | 10 29 | 0 34 | 4 25 | | | |
| T 22 | 20 16 | 23 42 | 4 55 | 25 3 | 1 49 | 22 23 | 2 9 | 2 10 | 1 40 | 20 34 | 0 53 | 10 55 | 1 31 | 22 33 | 0 0 | 21 58 | 1 21 | 16 14 | 15 36 | 19 30 | 19 30 | 10 32 | 0 35 | 4 25 | | | |
| F 23 | 20 28 | 20 14 | 5 14 | 24 56 | 1 40 | 22 1 | 1 55 | 1 52 | 1 41 | 20 33 | 0 53 | 10 54 | 1 31 | 22 33 | 0 0 | 21 58 | 1 21 | 16 14 | 15 37 | 19 30 | 19 30 | 10 35 | 0 36 | 4 25 | | | |
| S 24 | 20 40 | 15 40 | 5 16 | 24 48 | 1 30 | 21 39 | 1 41 | 1 35 | 1 41 | 20 32 | 0 53 | 10 54 | 1 31 | 22 33 | 0 0 | 21 57 | 1 21 | 16 14 | 15 37 | 19 30 | 19 29 | 10 38 | 0 37 | 4 25 | | | |
| S 25 | 20 51 | 10 11 | 5 0 | 24 39 | 1 19 | 21 17 | 1 27 | 1 17 | 1 41 | 20 31 | 0 53 | 10 53 | 1 31 | 22 32 | 0 0 | 21 57 | 1 21 | 16 14 | 15 37 | 19 30 | 19 28 | 10 41 | 0 37 | 4 25 | | | |
| M26 | 21 2 | 4 3 | 4 26 | 24 29 | 1 8 | 20 55 | 1 13 | 1 0 | 1 42 | 20 29 | 0 53 | 10 53 | 1 32 | 22 32 | 0 0 | 21 57 | 1 21 | 16 14 | 15 38 | 19 30 | 19 27 | 10 44 | 0 38 | 4 26 | | | |
| T 27 | 21 12 | 2s27 | 3 34 | 24 17 | 0 56 | 20 33 | 0 58 | 0 42 | 1 42 | 20 28 | 0 53 | 10 52 | 1 32 | 22 32 | 0 0 | 21 57 | 1 21 | 16 14 | 15 38 | 19 31 | 19 27 | 10 47 | 0 39 | 4 26 | | | |
| W28 | 21 22 | 8 57 | 2 28 | 24 5 | 0 42 | 20 12 | 0 44 | 0 25 | 1 42 | 20 27 | 0 52 | 10 51 | 1 32 | 22 32 | 0 0 | 21 57 | 1 21 | 16 14 | 15 38 | 19 31 | 19 26 | 10 50 | 0 40 | 4 26 | | | |
| T 29 | 21 32 | 15 1 | 1 10 | 23 51 | 0 28 | 19 50 | 0 30 | 0 7 | 1 42 | 20 26 | 0 52 | 10 51 | 1 32 | 22 31 | 0 0 | 21 57 | 1 21 | 16 14 | 15 39 | 19 31 | 19 25 | 10 53 | 0 41 | 4 26 | | | |
| F 30 | 21 41 | 20 13 | 0s12 | 23 37 | 0 14 | 19 29 | 0 16 | 0n10 | 1 43 | 20 24 | 0 52 | 10 51 | 1 32 | 22 31 | 0 1 | 21 57 | 1 21 | 16 14 | 15 39 | 19 31 | 19 24 | 10 56 | 0 41 | 4 26 | | | |
| S 31 | 21n50 | 24s 4 | 1s34 | 23n21 | 0s 2 | 19n 9 | 0n 2 | 0n28 | 1s43 | 20s23 | 0n52 | 10s50 | 1s33 | 22s31 | 0s 1 | 21s57 | 1n21 | 16s14 | 15s39 | 19n31 | 19n24 | 10n59 | 0n42 | 4n27 | | | |

ASTRODIENST EPHEMERIS for the year 1817
geocentric

JUNE 1817

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------------------|--------------------|---------------------|--------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|------|
| S 1 | 16 36 27 | 10 ^{II} 4'34 | 28 [♂] 50 | 25°R23 | 24°R52 | 5 [♂] 51 | 5°R22 | 5 [♂] 49 | 13°R57 | 23°R17 | 25 [♂] 12 | 27°R 0 | 26 [♂] 27 | 4 [♂] 4 | 21 [♂] 30 | S 1 |
| M 2 | 16 40 24 | 11° 1'59 | 13 [♂] 12 | 25 ^{II} 17 | 24 [♂] 26 | 6°36 | 5 [♂] 15 | 5°50 | 13 [♂] 55 | 23 [♂] 16 | 25°13 | 26 [♂] 59 | 26°24 | 4°10 | 21°31 | M 2 |
| T 3 | 16 44 20 | 11°59'24 | 27° 9 | 25° 7 | 24° 2 | 7°20 | 5° 7 | 5°52 | 13°52 | 23°14 | 25°13 | 26°57 | 26°21 | 4°17 | 21°32 | T 3 |
| W 4 | 16 48 17 | 12°56'48 | 10 [♂] 40 | 24°52 | 23°41 | 8° 4 | 4°59 | 5°53 | 13°50 | 23°13 | 25°14 | 26°55 | 26°18 | 4°24 | 21°33 | W 4 |
| T 5 | 16 52 14 | 13°54'11 | 23°46 | 24°34 | 23°22 | 8°48 | 4°52 | 5°54 | 13°47 | 23°11 | 25°14 | 26°53 | 26°15 | 4°30 | 21°35 | T 5 |
| F 6 | 16 56 10 | 14°51'33 | 6 [♂] 28 | 24°12 | 23° 5 | 9°33 | 4°45 | 5°55 | 13°45 | 23° 9 | 25°15 | 26°52 | 26°11 | 4°37 | 21°36 | F 6 |
| S 7 | 17 0 7 | 15°48'55 | 18°50 | 23°47 | 22°51 | 10°17 | 4°37 | 5°56 | 13°42 | 23° 8 | 25°15 | 26°D52 | 26° 8 | 4°44 | 21°37 | S 7 |
| S 8 | 17 4 3 | 16°46'17 | 0 [♂] 57 | 23°19 | 22°39 | 11° 1 | 4°30 | 5°57 | 13°40 | 23° 6 | 25°16 | 26°53 | 26° 5 | 4°50 | 21°38 | S 8 |
| M 9 | 17 8 0 | 17°43'37 | 12°53 | 22°49 | 22°30 | 11°45 | 4°22 | 5°58 | 13°37 | 23° 5 | 25°16 | 26°54 | 26° 2 | 4°57 | 21°38 | M 9 |
| T 10 | 17 11 56 | 18°40'58 | 24°42 | 22°17 | 22°22 | 12°29 | 4°15 | 5°59 | 13°35 | 23° 3 | 25°16 | 26°56 | 25°59 | 5° 4 | 21°39 | T 10 |
| W11 | 17 15 53 | 19°38'18 | 6 [♂] 30 | 21°44 | 22°18 | 13°13 | 4° 8 | 5°59 | 13°32 | 23° 1 | 25°17 | 26°57 | 25°56 | 5°10 | 21°40 | W11 |
| T 12 | 17 19 49 | 20°35'37 | 18°19 | 21°11 | 22°D15 | 13°56 | 4° 1 | 6° 0 | 13°30 | 23° 0 | 25°17 | 26°58 | 25°52 | 5°17 | 21°41 | T 12 |
| F 13 | 17 23 46 | 21°32'56 | 0 ^{II} 14 | 20°37 | 22°15 | 14°40 | 3°54 | 6° 0 | 13°27 | 22°58 | 25°17 | 26°R58 | 25°49 | 5°24 | 21°41 | F 13 |
| S 14 | 17 27 43 | 22°30'14 | 12°18 | 20° 3 | 22°18 | 15°24 | 3°47 | 6° 0 | 13°25 | 22°57 | 25°18 | 26°58 | 25°46 | 5°30 | 21°42 | S 14 |
| S 15 | 17 31 39 | 23°27'32 | 24°32 | 19°31 | 22°22 | 16° 8 | 3°40 | 6° 1 | 13°23 | 22°55 | 25°18 | 26°55 | 25°43 | 5°37 | 21°43 | S 15 |
| M16 | 17 35 36 | 24°24'50 | 6 [♂] 58 | 19° 0 | 22°29 | 16°51 | 3°33 | 6° 1 | 13°20 | 22°53 | 25°18 | 26°52 | 25°40 | 5°44 | 21°43 | M16 |
| T 17 | 17 39 32 | 25°22'07 | 19°37 | 18°32 | 22°38 | 17°35 | 3°27 | 6°R 1 | 13°18 | 22°52 | 25°18 | 26°48 | 25°36 | 5°50 | 21°44 | T 17 |
| W18 | 17 43 29 | 26°19'23 | 2 [♂] 29 | 18° 6 | 22°49 | 18°18 | 3°20 | 6° 1 | 13°15 | 22°50 | 25°19 | 26°43 | 25°33 | 5°57 | 21°44 | W18 |
| T 19 | 17 47 25 | 27°16'39 | 15°35 | 17°43 | 23° 2 | 19° 1 | 3°14 | 6° 1 | 13°13 | 22°48 | 25°19 | 26°39 | 25°30 | 6° 4 | 21°44 | T 19 |
| F 20 | 17 51 22 | 28°13'54 | 28°56 | 17°23 | 23°17 | 19°45 | 3° 7 | 6° 0 | 13°11 | 22°47 | 25°19 | 26°35 | 25°27 | 6°10 | 21°45 | F 20 |
| S 21 | 17 55 19 | 29°11'08 | 12 [♂] 30 | 17° 8 | 23°34 | 20°28 | 3° 1 | 6° 0 | 13° 8 | 22°45 | 25°19 | 26°32 | 25°24 | 6°17 | 21°45 | S 21 |
| S 22 | 17 59 15 | 0 [♂] 8'21 | 26°18 | 16°56 | 23°53 | 21°11 | 2°55 | 5°59 | 13° 6 | 22°44 | 25°19 | 26°D31 | 25°21 | 6°24 | 21°45 | S 22 |
| M23 | 18 3 12 | 1° 5'34 | 10 [♂] 20 | 16°49 | 24°14 | 21°54 | 2°49 | 5°59 | 13° 4 | 22°42 | 25°19 | 26°31 | 25°17 | 6°30 | 21°45 | M23 |
| T 24 | 18 7 8 | 2° 2'47 | 24°35 | 16°D46 | 24°36 | 22°37 | 2°43 | 5°58 | 13° 1 | 22°40 | 25°19 | 26°33 | 25°14 | 6°37 | 21°45 | T 24 |
| W25 | 18 11 5 | 2°59'58 | 9 [♂] 0 | 16°47 | 25° 0 | 23°20 | 2°37 | 5°57 | 12°59 | 22°39 | 25°19 | 26°34 | 25°11 | 6°43 | 21°45 | W25 |
| T 26 | 18 15 1 | 3°57'10 | 23°33 | 16°54 | 25°26 | 24° 2 | 2°32 | 5°56 | 12°57 | 22°37 | 25°R19 | 26°R35 | 25° 8 | 6°50 | 21°45 | T 26 |
| F 27 | 18 18 58 | 4°54'21 | 8 [♂] 10 | 17° 5 | 25°53 | 24°45 | 2°26 | 5°55 | 12°55 | 22°36 | 25°19 | 26°34 | 25° 5 | 6°57 | 21°45 | F 27 |
| S 28 | 18 22 54 | 5°51'32 | 22°44 | 17°21 | 26°22 | 25°28 | 2°21 | 5°54 | 12°52 | 22°34 | 25°19 | 26°32 | 25° 2 | 7° 3 | 21°45 | S 28 |
| S 29 | 18 26 51 | 6°48'42 | 7 [♂] 11 | 17°43 | 26°52 | 26°10 | 2°16 | 5°53 | 12°50 | 22°33 | 25°19 | 26°28 | 24°58 | 7°10 | 21°45 | S 29 |
| M30 | 18 30 48 | 7°54'53 | 21 [♂] 23 | 18 ^{II} 9 | 27°♂24 | 26°♂53 | 2 [♂] 11 | 5 [♂] 52 | 12 [♂] 48 | 22 [♂] 31 | 25 [♂] 19 | 26 [♂] 23 | 24 [♂] 55 | 7 [♂] 17 | 21 [♂] 45 | M30 |

| Day | ☉ | ☾ | | ♊ | | ♋ | | ♌ | | ♍ | | ♎ | | ♏ | | ♐ | | ♑ | ♒ | ♓ | ♈ | ♉ | | |
|------|-------|-------|------|-------|------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat | |
| S 1 | 21n59 | 26s15 | 2s47 | 23n 5 | 0s18 | 18n49 | 0s11 | 0n45 | 1s43 | 20s22 | 0n52 | 10s50 | 1s33 | 22s30 | 0s 1 | 21s57 | 1n21 | 16s14 | 15s40 | 19n31 | 19n23 | 11n 2 | 0n43 | 4n27 |
| M 2 | 22 7 | 26 36 | 3 49 | 22 49 | 0 34 | 18 30 | 0 25 | 1 2 | 1 43 | 20 21 | 0 52 | 10 49 | 1 33 | 22 30 | 0 1 | 21 57 | 1 21 | 16 15 | 15 40 | 19 30 | 19 22 | 11 5 | 0 43 | 4 27 |
| T 3 | 22 15 | 25 14 | 4 35 | 22 32 | 0 51 | 18 12 | 0 38 | 1 20 | 1 44 | 20 20 | 0 52 | 10 49 | 1 33 | 22 30 | 0 1 | 21 57 | 1 21 | 16 15 | 15 40 | 19 30 | 19 21 | 11 8 | 0 44 | 4 27 |
| W 4 | 22 23 | 22 26 | 5 4 | 22 14 | 1 8 | 17 54 | 0 50 | 1 37 | 1 44 | 20 18 | 0 52 | 10 49 | 1 34 | 22 30 | 0 1 | 21 57 | 1 21 | 16 15 | 15 41 | 19 29 | 19 21 | 11 11 | 0 45 | 4 27 |
| T 5 | 22 30 | 18 34 | 5 16 | 21 56 | 1 25 | 17 38 | 1 2 | 1 54 | 1 44 | 20 17 | 0 51 | 10 49 | 1 34 | 22 29 | 0 1 | 21 56 | 1 21 | 16 15 | 15 41 | 19 29 | 19 20 | 11 14 | 0 45 | 4 27 |
| F 6 | 22 36 | 13 58 | 5 12 | 21 38 | 1 42 | 17 22 | 1 14 | 2 11 | 1 44 | 20 16 | 0 51 | 10 48 | 1 34 | 22 29 | 0 1 | 21 56 | 1 21 | 16 15 | 15 42 | 19 29 | 19 19 | 11 17 | 0 46 | 4 28 |
| S 7 | 22 42 | 8 55 | 4 53 | 21 20 | 1 59 | 17 7 | 1 26 | 2 28 | 1 44 | 20 15 | 0 51 | 10 48 | 1 34 | 22 29 | 0 1 | 21 56 | 1 21 | 16 15 | 15 42 | 19 29 | 19 18 | 11 20 | 0 46 | 4 28 |
| S 8 | 22 48 | 3 38 | 4 22 | 21 2 | 2 16 | 16 54 | 1 37 | 2 46 | 1 45 | 20 14 | 0 51 | 10 48 | 1 34 | 22 28 | 0 1 | 21 56 | 1 21 | 16 15 | 15 42 | 19 29 | 19 18 | 11 23 | 0 47 | 4 28 |
| M 9 | 22 54 | 1n43 | 3 40 | 20 44 | 2 33 | 16 41 | 1 47 | 3 3 | 1 45 | 20 12 | 0 51 | 10 48 | 1 35 | 22 28 | 0 1 | 21 56 | 1 21 | 16 16 | 15 43 | 19 29 | 19 17 | 11 26 | 0 47 | 4 28 |
| T 10 | 22 59 | 6 58 | 2 49 | 20 26 | 2 49 | 16 29 | 1 57 | 3 20 | 1 45 | 20 11 | 0 51 | 10 48 | 1 35 | 22 28 | 0 1 | 21 56 | 1 21 | 16 16 | 15 43 | 19 29 | 19 16 | 11 29 | 0 48 | 4 28 |
| W11 | 23 4 | 11 57 | 1 51 | 20 9 | 3 4 | 16 19 | 2 7 | 3 37 | 1 45 | 20 10 | 0 51 | 10 48 | 1 35 | 22 28 | 0 1 | 21 56 | 1 21 | 16 16 | 15 43 | 19 30 | 19 15 | 11 32 | 0 48 | 4 29 |
| T 12 | 23 8 | 16 32 | 0 48 | 19 53 | 3 18 | 16 9 | 2 16 | 3 53 | 1 45 | 20 9 | 0 50 | 10 48 | 1 35 | 22 27 | 0 1 | 21 56 | 1 21 | 16 16 | 15 44 | 19 30 | 19 15 | 11 35 | 0 49 | 4 29 |
| F 13 | 23 12 | 20 31 | 0n18 | 19 37 | 3 31 | 16 1 | 2 25 | 4 10 | 1 45 | 20 8 | 0 50 | 10 48 | 1 36 | 22 27 | 0 1 | 21 56 | 1 21 | 16 16 | 15 44 | 19 30 | 19 14 | 11 38 | 0 49 | 4 29 |
| S 14 | 23 15 | 23 40 | 1 23 | 19 23 | 3 43 | 15 53 | 2 33 | 4 27 | 1 45 | 20 7 | 0 50 | 10 48 | 1 36 | 22 27 | 0 1 | 21 56 | 1 21 | 16 17 | 15 45 | 19 30 | 19 13 | 11 41 | 0 50 | 4 29 |
| S 15 | 23 18 | 25 47 | 2 26 | 19 10 | 3 54 | 15 47 | 2 41 | 4 44 | 1 45 | 20 6 | 0 50 | 10 48 | 1 36 | 22 26 | 0 1 | 21 56 | 1 21 | 16 17 | 15 45 | 19 29 | 19 12 | 11 44 | 0 50 | 4 29 |
| M16 | 23 21 | 26 39 | 3 22 | 18 58 | 4 3 | 15 41 | 2 49 | 5 0 | 1 45 | 20 4 | 0 50 | 10 48 | 1 36 | 22 26 | 0 1 | 21 56 | 1 21 | 16 17 | 15 45 | 19 29 | 19 12 | 11 47 | 0 51 | 4 30 |
| T 17 | 23 23 | 26 9 | 4 10 | 18 47 | 4 12 | 15 37 | 2 56 | 5 17 | 1 45 | 20 3 | 0 50 | 10 49 | 1 37 | 22 26 | 0 1 | 21 56 | 1 21 | 16 17 | 15 46 | 19 28 | 19 11 | 11 50 | 0 51 | 4 30 |
| W18 | 23 25 | 24 15 | 4 45 | 18 38 | 4 18 | 15 33 | 3 2 | 5 33 | 1 45 | 20 2 | 0 49 | 10 49 | 1 37 | 22 26 | 0 1 | 21 55 | 1 21 | 16 18 | 15 46 | 19 27 | 19 10 | 11 53 | 0 51 | 4 30 |
| T 19 | 23 26 | 21 3 | 5 7 | 18 31 | 4 24 | 15 30 | 3 9 | 5 50 | 1 45 | 20 1 | 0 49 | 10 49 | 1 37 | 22 25 | 0 1 | 21 55 | 1 21 | 16 18 | 15 46 | 19 26 | 19 9 | 11 56 | 0 52 | 4 30 |
| F 20 | 23 27 | 16 44 | 5 12 | 18 25 | 4 28 | 15 28 | 3 15 | 6 6 | 1 46 | 20 0 | 0 49 | 10 49 | 1 37 | 22 25 | 0 1 | 21 55 | 1 21 | 16 18 | 15 47 | 19 25 | 19 9 | 11 59 | 0 52 | 4 30 |
| S 21 | 23 28 | 11 30 | 5 1 | 18 22 | 4 30 | 15 27 | 3 20 | 6 22 | 1 46 | 19 59 | 0 49 | 10 50 | 1 37 | 22 25 | 0 1 | 21 55 | 1 21 | 16 19 | 15 47 | 19 24 | 19 8 | 12 2 | 0 52 | 4 31 |
| S 22 | 23 28 | 5 37 | 4 31 | 18 19 | 4 31 | 15 27 | 3 25 | 6 38 | 1 46 | 19 58 | 0 49 | 10 50 | 1 38 | 22 24 | 0 1 | 21 55 | 1 21 | 16 19 | 15 48 | 19 24 | 19 7 | 12 5 | 0 52 | 4 31 |
| M23 | 23 28 | 0s38 | 3 46 | 18 19 | 4 31 | 15 27 | 3 30 | 6 55 | 1 45 | 19 57 | 0 48 | 10 51 | 1 38 | 22 24 | 0 1 | 21 55 | 1 21 | 16 19 | 15 48 | 19 24 | 19 6 | 12 8 | 0 53 | 4 31 |
| T 24 | 23 27 | 6 58 | 2 46 | 18 20 | 4 29 | 15 29 | 3 34 | 7 10 | 1 45 | 19 56 | 0 48 | 10 51 | 1 38 | 22 24 | 0 1 | 21 55 | 1 21 | 16 19 | 15 48 | 19 24 | 19 6 | 12 11 | 0 53 | 4 31 |
| W25 | 23 26 | 13 1 | 1 34 | 18 23 | 4 27 | 15 30 | 3 38 | 7 26 | 1 45 | 19 55 | 0 48 | 10 52 | 1 38 | 22 24 | 0 1 | 21 55 | 1 21 | 16 20 | 15 49 | 19 24 | 19 5 | 12 14 | 0 53 | 4 31 |
| T 26 | 23 24 | 18 25 | 0 16 | 18 28 | 4 23 | 15 33 | 3 42 | 7 42 | 1 45 | 19 54 | 0 48 | 10 52 | 1 39 | 22 23 | 0 1 | 21 55 | 1 21 | 16 20 | 15 49 | 19 25 | 19 4 | 12 17 | 0 53 | 4 32 |
| F 27 | 23 22 | 22 43 | 1s 3 | 18 34 | 4 18 | 15 36 | 3 45 | 7 58 | 1 45 | 19 54 | 0 48 | 10 53 | 1 39 | 22 23 | 0 1 | 21 55 | 1 21 | 16 21 | 15 49 | 19 25 | 19 3 | 12 20 | 0 53 | 4 32 |
| S 28 | 23 20 | 25 33 | 2 17 | 18 41 | 4 12 | 15 40 | 3 48 | 8 13 | 1 45 | 19 53 | 0 47 | 10 53 | 1 39 | 22 23 | 0 1 | 21 55 | 1 21 | 16 21 | 15 50 | 19 24 | 19 3 | 12 23 | 0 53 | 4 32 |
| S 29 | 23 17 | 26 38 | 3 23 | 18 50 | 4 5 | 15 44 | 3 51 | 8 29 | 1 45 | 19 52 | 0 47 | 10 54 | 1 39 | 22 22 | 0 1 | 21 55 | 1 21 | 16 21 | 15 50 | 19 23 | 19 2 | 12 26 | 0 53 | 4 32 |
| M30 | 23n14 | 25s56 | 4s14 | 19n 0 | 3s57 | 15n48 | 3s53 | 8n44 | 1s45 | 19s51 | 0n47 | 10s55 | 1s39 | 22s22 | 0s 1 | 21s55 | 1n21 | 16s22 | 15s50 | 19n22 | 19n 1 | 12n29 | 0n54 | 4n32 |

ASTRODIENST EPHEMERIS for the year 1817
geocentric

JULY 1817

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|--------|-------|---------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|------|
| T 1 | 18 34 44 | 8°43'03 | 5°15 | 18°11 | 27°57 | 27°35 | 2°R 6 | 5°R51 | 12°R46 | 22°R29 | 25°R19 | 26°R16 | 24°R52 | 7°R23 | 21°R44 | T 1 |
| W 2 | 18 38 41 | 9°40'13 | 18°46 | 19°15 | 28°31 | 28°17 | 2°R 1 | 5°R49 | 12°R44 | 22°R28 | 25°R19 | 26°R 9 | 24°49 | 7°30 | 21°R44 | W 2 |
| T 3 | 18 42 37 | 10°37'24 | 1°52 | 19°56 | 29° 6 | 29° 0 | 1°57 | 5°48 | 12°42 | 22°26 | 25°19 | 26° 3 | 24°46 | 7°37 | 21°44 | T 3 |
| F 4 | 18 46 34 | 11°34'35 | 14°36 | 20°41 | 29°43 | 29°42 | 1°52 | 5°46 | 12°40 | 22°25 | 25°19 | 25°58 | 24°42 | 7°43 | 21°43 | F 4 |
| S 5 | 18 50 30 | 12°31'46 | 27° 0 | 21°31 | 0°II21 | 0°R24 | 1°48 | 5°44 | 12°38 | 22°23 | 25°18 | 25°55 | 24°39 | 7°50 | 21°43 | S 5 |
| S 6 | 18 54 27 | 13°28'57 | 9°R 7 | 22°25 | 1° 0 | 1° 6 | 1°44 | 5°43 | 12°36 | 22°22 | 25°18 | 25°D54 | 24°36 | 7°57 | 21°42 | S 6 |
| M 7 | 18 58 23 | 14°26'09 | 21° 3 | 23°24 | 1°40 | 1°47 | 1°40 | 5°41 | 12°34 | 22°20 | 25°18 | 25°54 | 24°33 | 8° 3 | 21°41 | M 7 |
| T 8 | 19 2 20 | 15°23'21 | 2°R53 | 24°28 | 2°22 | 2°29 | 1°36 | 5°39 | 12°32 | 22°19 | 25°18 | 25°55 | 24°30 | 8°10 | 21°41 | T 8 |
| W 9 | 19 6 17 | 16°20'34 | 14°42 | 25°36 | 3° 4 | 3°11 | 1°32 | 5°37 | 12°30 | 22°17 | 25°17 | 25°56 | 24°27 | 8°17 | 21°40 | W 9 |
| T 10 | 19 10 13 | 17°17'47 | 26°34 | 26°49 | 3°47 | 3°52 | 1°29 | 5°34 | 12°28 | 22°16 | 25°17 | 25°R56 | 24°23 | 8°23 | 21°39 | T 10 |
| F 11 | 19 14 10 | 18°15'01 | 8°II34 | 28° 6 | 4°31 | 4°33 | 1°25 | 5°32 | 12°26 | 22°15 | 25°17 | 25°56 | 24°20 | 8°30 | 21°38 | F 11 |
| S 12 | 19 18 6 | 19°12'15 | 20°47 | 29°27 | 5°16 | 5°15 | 1°22 | 5°30 | 12°24 | 22°13 | 25°16 | 25°53 | 24°17 | 8°37 | 21°37 | S 12 |
| S 13 | 19 22 3 | 20° 9'30 | 3°R14 | 0°R52 | 6° 2 | 5°56 | 1°19 | 5°27 | 12°22 | 22°12 | 25°16 | 25°47 | 24°14 | 8°43 | 21°37 | S 13 |
| M14 | 19 25 59 | 21° 6'45 | 15°57 | 2°21 | 6°49 | 6°37 | 1°16 | 5°25 | 12°21 | 22°10 | 25°16 | 25°40 | 24°11 | 8°50 | 21°36 | M14 |
| T 15 | 19 29 56 | 22° 4'01 | 28°56 | 3°55 | 7°36 | 7°18 | 1°14 | 5°22 | 12°19 | 22° 9 | 25°15 | 25°31 | 24° 8 | 8°57 | 21°35 | T 15 |
| W16 | 19 33 52 | 23° 1'17 | 12°R11 | 5°32 | 8°24 | 7°59 | 1°11 | 5°20 | 12°17 | 22° 8 | 25°15 | 25°22 | 24° 4 | 9° 3 | 21°33 | W16 |
| T 17 | 19 37 49 | 23°58'33 | 25°40 | 7°13 | 9°13 | 8°39 | 1° 9 | 5°17 | 12°16 | 22° 6 | 25°14 | 25°12 | 24° 1 | 9°10 | 21°32 | T 17 |
| F 18 | 19 41 46 | 24°55'49 | 9°R12 | 8°57 | 10° 3 | 9°20 | 1° 7 | 5°14 | 12°14 | 22° 5 | 25°14 | 25° 4 | 23°58 | 9°16 | 21°31 | F 18 |
| S 19 | 19 45 42 | 25°53'06 | 23°11 | 10°45 | 10°53 | 10° 0 | 1° 5 | 5°11 | 12°13 | 22° 4 | 25°13 | 24°58 | 23°55 | 9°23 | 21°30 | S 19 |
| S 20 | 19 49 39 | 26°50'23 | 7°R 9 | 12°36 | 11°44 | 10°41 | 1° 3 | 5° 8 | 12°11 | 22° 3 | 25°13 | 24°54 | 23°52 | 9°30 | 21°29 | S 20 |
| M21 | 19 53 35 | 27°47'40 | 21°12 | 14°30 | 12°35 | 11°21 | 1° 2 | 5° 5 | 12°10 | 22° 1 | 25°12 | 24°52 | 23°48 | 9°36 | 21°27 | M21 |
| T 22 | 19 57 32 | 28°44'58 | 5°R20 | 16°26 | 13°28 | 12° 1 | 1° 0 | 5° 2 | 12° 8 | 22° 0 | 25°12 | 24°D52 | 23°45 | 9°43 | 21°26 | T 22 |
| W23 | 20 1 28 | 29°42'16 | 19°30 | 18°25 | 14°20 | 12°41 | 0°59 | 4°59 | 12° 7 | 21°59 | 25°11 | 24°R53 | 23°42 | 9°50 | 21°24 | W23 |
| T 24 | 20 5 25 | 0°R39'34 | 3°R43 | 20°26 | 15°14 | 13°20 | 0°58 | 4°55 | 12° 5 | 21°58 | 25°10 | 24°53 | 23°39 | 9°56 | 21°23 | T 24 |
| F 25 | 20 9 21 | 1°36'53 | 17°55 | 22°28 | 16° 8 | 14° 0 | 0°57 | 4°52 | 12° 4 | 21°57 | 25°10 | 24°51 | 23°36 | 10° 3 | 21°21 | F 25 |
| S 26 | 20 13 18 | 2°34'12 | 2°R 4 | 24°32 | 17° 2 | 14°39 | 0°57 | 4°49 | 12° 3 | 21°55 | 25° 9 | 24°46 | 23°33 | 10°10 | 21°20 | S 26 |
| S 27 | 20 17 15 | 3°31'32 | 16° 7 | 26°37 | 17°57 | 15°19 | 0°56 | 4°45 | 12° 2 | 21°54 | 25° 9 | 24°39 | 23°29 | 10°16 | 21°18 | S 27 |
| M28 | 20 21 11 | 4°28'53 | 29°59 | 28°42 | 18°53 | 15°58 | 0°56 | 4°42 | 12° 0 | 21°53 | 25° 8 | 24°30 | 23°26 | 10°23 | 21°17 | M28 |
| T 29 | 20 25 8 | 5°26'15 | 13°R36 | 0°R48 | 19°48 | 16°37 | 0°D56 | 4°38 | 11°59 | 21°52 | 25° 7 | 24°19 | 23°23 | 10°30 | 21°15 | T 29 |
| W30 | 20 29 4 | 6°23'37 | 26°55 | 2°54 | 20°45 | 17°16 | 0°56 | 4°34 | 11°58 | 21°51 | 25° 6 | 24° 8 | 23°20 | 10°36 | 21°13 | W30 |
| T 31 | 20 33 1 | 7°R21'00 | 9°R55 | 5°R 0 | 21°II42 | 17°R55 | 0°R56 | 4°R31 | 11°R57 | 21°R50 | 25°R 6 | 23°R57 | 23°R17 | 10°R43 | 21°R11 | T 31 |

| Day | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | lat |
| T 1 | 23n11 | 23s38 | 4s49 | 19n11 | 3s48 | 15n54 | 3s56 | 9n 0 | 1s45 | 19s50 | 0n47 | 10s55 | 1s40 | 22s22 | 0s 1 | 21s55 |
| W 2 | 23 7 | 20 4 | 5 7 | 19 24 | 3 39 | 15 59 | 3 58 | 9 15 | 1 45 | 19 50 | 0 47 | 10 56 | 1 40 | 22 22 | 0 1 | 21 54 |
| T 3 | 23 2 | 15 36 | 5 8 | 19 37 | 3 28 | 16 5 | 3 59 | 9 30 | 1 45 | 19 49 | 0 46 | 10 57 | 1 40 | 22 21 | 0 1 | 21 54 |
| F 4 | 22 58 | 10 34 | 4 53 | 19 51 | 3 18 | 16 12 | 4 1 | 9 45 | 1 45 | 19 48 | 0 46 | 10 58 | 1 40 | 22 21 | 0 1 | 21 54 |
| S 5 | 22 52 | 5 15 | 4 25 | 20 5 | 3 6 | 16 18 | 4 2 | 10 0 | 1 44 | 19 48 | 0 46 | 10 58 | 1 41 | 22 21 | 0 1 | 21 54 |
| S 6 | 22 47 | 0n10 | 3 46 | 20 20 | 2 55 | 16 25 | 4 3 | 10 14 | 1 44 | 19 47 | 0 46 | 10 59 | 1 41 | 22 21 | 0 1 | 21 54 |
| M 7 | 22 41 | 5 29 | 2 57 | 20 36 | 2 42 | 16 33 | 4 3 | 10 29 | 1 44 | 19 46 | 0 46 | 11 0 | 1 41 | 22 20 | 0 1 | 21 54 |
| T 8 | 22 35 | 10 35 | 2 1 | 20 51 | 2 30 | 16 40 | 4 4 | 10 43 | 1 44 | 19 46 | 0 45 | 11 1 | 1 41 | 22 20 | 0 1 | 21 54 |
| W 9 | 22 28 | 15 18 | 1 0 | 21 7 | 2 17 | 16 48 | 4 4 | 10 58 | 1 44 | 19 45 | 0 45 | 11 2 | 1 41 | 22 20 | 0 1 | 21 54 |
| T 10 | 22 21 | 19 28 | 0n 3 | 21 22 | 2 4 | 16 56 | 4 4 | 11 12 | 1 43 | 19 45 | 0 45 | 11 3 | 1 42 | 22 20 | 0 1 | 21 54 |
| F 11 | 22 13 | 22 52 | 1 8 | 21 36 | 1 51 | 17 4 | 4 4 | 11 26 | 1 43 | 19 44 | 0 45 | 11 4 | 1 42 | 22 19 | 0 1 | 21 54 |
| S 12 | 22 5 | 25 18 | 2 10 | 21 51 | 1 37 | 17 12 | 4 4 | 11 40 | 1 43 | 19 44 | 0 44 | 11 5 | 1 42 | 22 19 | 0 1 | 21 54 |
| S 13 | 21 57 | 26 32 | 3 6 | 22 4 | 1 24 | 17 21 | 4 3 | 11 54 | 1 43 | 19 43 | 0 44 | 11 6 | 1 42 | 22 19 | 0 1 | 21 54 |
| M14 | 21 48 | 26 24 | 3 55 | 22 16 | 1 10 | 17 29 | 4 2 | 12 8 | 1 42 | 19 43 | 0 44 | 11 7 | 1 42 | 22 19 | 0 1 | 21 54 |
| T 15 | 21 39 | 24 51 | 4 33 | 22 27 | 0 57 | 17 38 | 4 2 | 12 21 | 1 42 | 19 43 | 0 44 | 11 8 | 1 43 | 22 19 | 0 1 | 21 54 |
| W16 | 21 30 | 14 54 | 4 57 | 22 37 | 0 44 | 17 46 | 4 0 | 12 35 | 1 42 | 19 43 | 0 44 | 11 10 | 1 43 | 22 18 | 0 1 | 21 54 |
| T 17 | 21 20 | 17 45 | 5 5 | 22 45 | 0 31 | 17 55 | 3 59 | 12 48 | 1 41 | 19 42 | 0 43 | 11 11 | 1 43 | 22 18 | 0 1 | 21 54 |
| F 18 | 21 10 | 12 38 | 4 55 | 22 52 | 0 18 | 18 3 | 3 58 | 13 1 | 1 41 | 19 42 | 0 43 | 11 12 | 1 43 | 22 18 | 0 1 | 21 54 |
| S 19 | 21 0 | 6 49 | 4 29 | 22 56 | 0 5 | 18 12 | 3 56 | 13 14 | 1 41 | 19 42 | 0 43 | 11 13 | 1 43 | 22 18 | 0 1 | 21 54 |
| S 20 | 20 49 | 0 37 | 3 46 | 22 59 | 0n 7 | 18 20 | 3 55 | 13 27 | 1 40 | 19 42 | 0 43 | 11 15 | 1 44 | 22 18 | 0 1 | 21 53 |
| M21 | 20 37 | 5s40 | 2 50 | 22 58 | 0 18 | 18 29 | 3 53 | 13 40 | 1 40 | 19 42 | 0 42 | 11 16 | 1 44 | 22 17 | 0 1 | 21 53 |
| T 22 | 20 26 | 11 42 | 1 42 | 22 56 | 0 29 | 18 37 | 3 51 | 13 52 | 1 40 | 19 42 | 0 42 | 11 17 | 1 44 | 22 17 | 0 1 | 21 53 |
| W23 | 20 14 | 17 10 | 0 29 | 22 51 | 0 39 | 18 45 | 3 49 | 14 5 | 1 39 | 19 42 | 0 42 | 11 19 | 1 44 | 22 17 | 0 1 | 21 53 |
| T 24 | 20 2 | 21 41 | 0s47 | 22 43 | 0 49 | 18 53 | 3 47 | 14 17 | 1 39 | 19 42 | 0 42 | 11 20 | 1 44 | 22 17 | 0 1 | 21 53 |
| F 25 | 19 49 | 24 54 | 1 59 | 22 33 | 0 58 | 19 1 | 3 44 | 14 29 | 1 38 | 19 42 | 0 42 | 11 21 | 1 44 | 22 17 | 0 1 | 21 53 |
| S 26 | 19 36 | 26 31 | 3 4 | 22 20 | 1 7 | 19 9 | 3 42 | 14 41 | 1 38 | 19 42 | 0 41 | 11 23 | 1 45 | 22 17 | 0 1 | 21 53 |
| S 27 | 19 23 | 26 25 | 3 57 | 22 4 | 1 14 | 19 16 | 3 40 | 14 53 | 1 38 | 19 42 | 0 41 | 11 24 | 1 45 | 22 16 | 0 1 | 21 53 |
| M28 | 19 10 | 24 39 | 4 35 | 21 46 | 1 21 | 19 24 | 3 37 | 15 5 | 1 37 | 19 42 | 0 41 | 11 26 | 1 45 | 22 16 | 0 1 | 21 53 |
| T 29 | 18 56 | 21 29 | 4 57 | 21 25 | 1 27 | 19 31 | 3 34 | 15 17 | 1 37 | 19 42 | 0 41 | 11 27 | 1 45 | 22 16 | 0 1 | 21 53 |
| W30 | 18 42 | 17 16 | 5 2 | 21 1 | 1 32 | 19 38 | 3 31 | 15 28 | 1 36 | 19 43 | 0 40 | 11 29 | 1 45 | 22 16 | 0 1 | 21 53 |
| T 31 | 18n27 | 12s20 | 4s50 | 20n36 | 1n36 | 19n44 | 3s28 | 15n39 | 1s36 | 19s43 | 0n40 | 11s30 | 1s45 | 22s16 | 0s 1 | 21s53 |

Julian Day Number = 2384886.5, Delta T = 16.63 sec
Ecliptic obliquity = 23°27'52, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°11'31, Lahiri = 21°18'32

ASTRODIENST EPHEMERIS for the year 1817
geocentric

AUGUST 1817

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | ♈ | ♉ | Day |
|------|----------|----------|-------|-------|-------|-------|------|-------|--------|--------|--------|--------|-------|-------|--------|------|
| F 1 | 20 36 57 | 8♌18'24 | 22♋35 | 7♊5 | 22♏39 | 18♌33 | 0♌57 | 4°R27 | 11°R56 | 21°R49 | 25°R 5 | 23°R48 | 23♌14 | 10♌50 | 21°R 9 | F 1 |
| S 2 | 20 40 54 | 9°15'50 | 4♏57 | 9°10 | 23°37 | 19°12 | 0°58 | 4♋23 | 11♌55 | 21♌48 | 25♋4 | 23♌41 | 23°10 | 10°56 | 21♋8 | S 2 |
| S 3 | 20 44 50 | 10°13'16 | 17° 3 | 11°14 | 24°35 | 19°50 | 0°58 | 4°19 | 11°54 | 21°47 | 25° 3 | 23°37 | 23° 7 | 11° 3 | 21° 6 | S 3 |
| M 4 | 20 48 47 | 11°10'44 | 28°59 | 13°17 | 25°34 | 20°28 | 0°59 | 4°15 | 11°53 | 21°46 | 25° 3 | 23°34 | 23° 4 | 11°10 | 21° 4 | M 4 |
| T 5 | 20 52 44 | 12° 8'13 | 10♌49 | 15°18 | 26°33 | 21° 6 | 1° 1 | 4°11 | 11°52 | 21°45 | 25° 2 | 23°D34 | 23° 1 | 11°16 | 21° 2 | T 5 |
| W 6 | 20 56 40 | 13° 5'43 | 22°37 | 17°19 | 27°32 | 21°44 | 1° 2 | 4° 7 | 11°52 | 21°45 | 25° 1 | 23°R34 | 22°58 | 11°23 | 21° 0 | W 6 |
| T 7 | 21 0 37 | 14° 3'15 | 4♏31 | 19°18 | 28°32 | 22°22 | 1° 3 | 4° 3 | 11°51 | 21°44 | 25° 0 | 23°34 | 22°54 | 11°29 | 20°58 | T 7 |
| F 8 | 21 4 33 | 15° 0'48 | 16°35 | 21°16 | 29°32 | 22°59 | 1° 5 | 3°59 | 11°50 | 21°43 | 24°59 | 23°32 | 22°51 | 11°36 | 20°55 | F 8 |
| S 9 | 21 8 30 | 15°58'23 | 28°53 | 23°13 | 0♌32 | 23°37 | 1° 7 | 3°55 | 11°50 | 21°42 | 24°58 | 23°28 | 22°48 | 11°43 | 20°53 | S 9 |
| S 10 | 21 12 26 | 16°55'59 | 11♌29 | 25° 8 | 1°33 | 24°14 | 1° 9 | 3°50 | 11°49 | 21°41 | 24°58 | 23°21 | 22°45 | 11°49 | 20°51 | S 10 |
| M 11 | 21 16 23 | 17°53'36 | 24°26 | 27° 2 | 2°34 | 24°51 | 1°12 | 3°46 | 11°48 | 21°41 | 24°57 | 23°12 | 22°42 | 11°56 | 20°49 | M 11 |
| T 12 | 21 20 20 | 18°51'15 | 7♊44 | 28°54 | 3°36 | 25°27 | 1°14 | 3°42 | 11°48 | 21°40 | 24°56 | 23° 1 | 22°39 | 12° 3 | 20°47 | T 12 |
| W 13 | 21 24 16 | 19°48'55 | 21°22 | 0♏45 | 4°38 | 26° 4 | 1°17 | 3°38 | 11°48 | 21°39 | 24°55 | 22°49 | 22°35 | 12° 9 | 20°44 | W 13 |
| T 14 | 21 28 13 | 20°46'36 | 5♏16 | 2°34 | 5°40 | 26°40 | 1°19 | 3°33 | 11°47 | 21°39 | 24°54 | 22°37 | 22°32 | 12°16 | 20°42 | T 14 |
| F 15 | 21 32 9 | 21°44'18 | 19°23 | 4°22 | 6°42 | 27°16 | 1°22 | 3°29 | 11°47 | 21°38 | 24°53 | 22°26 | 22°29 | 12°23 | 20°40 | F 15 |
| S 16 | 21 36 6 | 22°42'02 | 3♌37 | 6° 9 | 7°45 | 27°52 | 1°26 | 3°24 | 11°47 | 21°37 | 24°52 | 22°18 | 22°26 | 12°29 | 20°37 | S 16 |
| S 17 | 21 40 2 | 23°39'46 | 17°53 | 7°54 | 8°47 | 28°28 | 1°29 | 3°20 | 11°46 | 21°37 | 24°51 | 22°13 | 22°23 | 12°36 | 20°35 | S 17 |
| M 18 | 21 43 59 | 24°37'32 | 2♏8 | 9°37 | 9°51 | 29° 4 | 1°32 | 3°16 | 11°46 | 21°36 | 24°50 | 22°10 | 22°19 | 12°43 | 20°32 | M 18 |
| T 19 | 21 47 55 | 25°35'19 | 16°20 | 11°19 | 10°54 | 29°39 | 1°36 | 3°11 | 11°46 | 21°36 | 24°49 | 22° 9 | 22°16 | 12°49 | 20°30 | T 19 |
| W 20 | 21 51 52 | 26°33'07 | 0♌26 | 13° 0 | 11°58 | 0♏14 | 1°40 | 3° 7 | 11°46 | 21°35 | 24°48 | 22° 9 | 22°13 | 12°56 | 20°27 | W 20 |
| T 21 | 21 55 48 | 27°30'56 | 14°27 | 14°40 | 13° 2 | 0°49 | 1°44 | 3° 2 | 11°D46 | 21°35 | 24°47 | 22° 9 | 22°10 | 13° 3 | 20°25 | T 21 |
| F 22 | 21 59 45 | 28°28'47 | 28°21 | 16°18 | 14° 6 | 1°24 | 1°48 | 2°58 | 11°46 | 21°34 | 24°46 | 22° 6 | 22° 7 | 13° 9 | 20°22 | F 22 |
| S 23 | 22 3 42 | 29°26'38 | 12♌7 | 17°54 | 15°10 | 1°58 | 1°53 | 2°53 | 11°46 | 21°34 | 24°45 | 22° 1 | 22° 4 | 13°16 | 20°20 | S 23 |
| S 24 | 22 7 38 | 0♏24'31 | 25°45 | 19°30 | 16°15 | 2°32 | 1°57 | 2°48 | 11°46 | 21°34 | 24°44 | 21°54 | 22° 0 | 13°22 | 20°17 | S 24 |
| M 25 | 22 11 35 | 1°22'25 | 9♌13 | 21° 4 | 17°20 | 3° 6 | 2° 2 | 2°44 | 11°46 | 21°33 | 24°42 | 21°43 | 21°57 | 13°29 | 20°15 | M 25 |
| T 26 | 22 15 31 | 2°20'21 | 22°36 | 18°25 | 3°40 | 2° 7 | 2°39 | 2°39 | 11°46 | 21°33 | 24°41 | 21°31 | 21°54 | 13°36 | 20°12 | T 26 |
| W 27 | 22 19 28 | 3°18'18 | 5♋29 | 24° 8 | 19°30 | 4°13 | 2°12 | 2°35 | 11°47 | 21°33 | 24°40 | 21°19 | 21°51 | 13°42 | 20° 9 | W 27 |
| T 28 | 22 23 24 | 4°16'17 | 18°14 | 25°38 | 20°36 | 4°47 | 2°17 | 2°30 | 11°47 | 21°33 | 24°39 | 21° 7 | 21°48 | 13°49 | 20° 7 | T 28 |
| F 29 | 22 27 21 | 5°14'17 | 0♏44 | 27° 6 | 21°42 | 5°20 | 2°22 | 2°26 | 11°47 | 21°33 | 24°38 | 20°57 | 21°45 | 13°56 | 20° 4 | F 29 |
| S 30 | 22 31 17 | 6°12'19 | 13° 0 | 28°33 | 22°48 | 5°52 | 2°27 | 2°21 | 11°48 | 21°32 | 24°37 | 20°49 | 21°41 | 14° 2 | 20° 1 | S 30 |
| S 31 | 22 35 14 | 7♏10'23 | 25°50 | 29♏59 | 23♌54 | 6♏25 | 2♌33 | 2♋17 | 11♌48 | 21♌32 | 24♋36 | 20♌44 | 21♌38 | 14♌9 | 19♋59 | S 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 |
| F 1 | 18n12 | 7s 0 | 4s25 | 20n 8 | 1n40 | 19n51 | 3s25 | 15n51 | 1s35 | 19s43 | 0n40 | 11s32 | 1s46 | 22s16 | 0s 1 | 21s53 | 1n20 | 16s37 | 16s 1 | 18n45 | 18n36 | 14n 2 | 0n44 | 4n37 | | | |
| S 2 | 17 57 | 1 31 | 3 48 | 19 38 | 1 42 | 19 57 | 3 22 | 16 2 | 1 35 | 19 43 | 0 40 | 11 33 | 1 46 | 22 16 | 0 1 | 21 53 | 1 20 | 16 38 | 16 2 | 18 43 | 18 35 | 14 5 | 0 44 | 4 38 | | | |
| S 3 | 17 42 | 3n55 | 3 1 | 19 6 | 1 44 | 20 2 | 3 19 | 16 12 | 1 34 | 19 44 | 0 39 | 11 35 | 1 46 | 22 16 | 0 1 | 21 53 | 1 20 | 16 38 | 16 2 | 18 42 | 18 34 | 14 8 | 0 43 | 4 38 | | | |
| M 4 | 17 26 | 9 9 | 2 7 | 18 32 | 1 46 | 20 8 | 3 16 | 16 23 | 1 33 | 19 44 | 0 39 | 11 36 | 1 46 | 22 15 | 0 1 | 21 53 | 1 20 | 16 39 | 16 2 | 18 41 | 18 34 | 14 11 | 0 43 | 4 38 | | | |
| T 5 | 17 10 | 14 1 | 1 7 | 17 57 | 1 46 | 20 13 | 3 12 | 16 34 | 1 33 | 19 45 | 0 39 | 11 38 | 1 46 | 22 15 | 0 1 | 21 53 | 1 20 | 16 39 | 16 2 | 18 41 | 18 33 | 14 14 | 0 42 | 4 38 | | | |
| W 6 | 16 54 | 18 22 | 0 5 | 17 21 | 1 46 | 20 18 | 3 9 | 16 44 | 1 32 | 19 45 | 0 39 | 11 40 | 1 46 | 22 15 | 0 1 | 21 53 | 1 19 | 16 40 | 16 3 | 18 41 | 18 32 | 14 17 | 0 41 | 4 38 | | | |
| T 7 | 16 38 | 22 1 | 0n58 | 16 43 | 1 45 | 20 22 | 3 5 | 16 54 | 1 32 | 19 46 | 0 39 | 11 41 | 1 46 | 22 15 | 0 1 | 21 53 | 1 19 | 16 40 | 16 3 | 18 41 | 18 31 | 14 19 | 0 40 | 4 38 | | | |
| F 8 | 16 21 | 24 45 | 1 59 | 16 4 | 1 44 | 20 26 | 3 2 | 17 4 | 1 31 | 19 46 | 0 38 | 11 43 | 1 47 | 22 15 | 0 1 | 21 53 | 1 19 | 16 41 | 16 3 | 18 41 | 18 30 | 14 22 | 0 40 | 4 38 | | | |
| S 9 | 16 4 | 26 23 | 2 55 | 15 24 | 1 42 | 20 30 | 2 58 | 17 14 | 1 30 | 19 47 | 0 38 | 11 45 | 1 47 | 22 15 | 0 1 | 21 53 | 1 19 | 16 42 | 16 3 | 18 40 | 18 30 | 14 25 | 0 39 | 4 38 | | | |
| S 10 | 15 47 | 26 42 | 3 45 | 14 43 | 1 39 | 20 33 | 2 54 | 17 24 | 1 30 | 19 48 | 0 38 | 11 46 | 1 47 | 22 15 | 0 1 | 21 53 | 1 19 | 16 42 | 16 4 | 18 38 | 18 29 | 14 28 | 0 38 | 4 38 | | | |
| M11 | 15 29 | 25 35 | 4 24 | 14 1 | 1 36 | 20 36 | 2 51 | 17 34 | 1 29 | 19 48 | 0 38 | 11 48 | 1 47 | 22 15 | 0 1 | 21 53 | 1 19 | 16 43 | 16 4 | 18 36 | 18 28 | 14 31 | 0 37 | 4 38 | | | |
| T 12 | 15 11 | 23 1 | 4 50 | 13 19 | 1 33 | 20 38 | 2 47 | 17 43 | 1 28 | 19 49 | 0 38 | 11 50 | 1 47 | 22 15 | 0 1 | 21 53 | 1 19 | 16 43 | 16 4 | 18 33 | 18 27 | 14 34 | 0 37 | 4 39 | | | |
| W13 | 14 53 | 19 8 | 5 0 | 12 36 | 1 29 | 20 40 | 2 43 | 17 52 | 1 28 | 19 50 | 0 37 | 11 51 | 1 47 | 22 15 | 0 1 | 21 53 | 1 19 | 16 44 | 16 4 | 18 30 | 18 26 | 14 37 | 0 36 | 4 39 | | | |
| T 14 | 14 35 | 14 8 | 4 53 | 11 53 | 1 24 | 20 42 | 2 39 | 18 1 | 1 27 | 19 51 | 0 37 | 11 53 | 1 47 | 22 15 | 0 1 | 21 53 | 1 19 | 16 44 | 16 5 | 18 27 | 18 25 | 14 39 | 0 35 | 4 39 | | | |
| F 15 | 14 17 | 8 19 | 4 28 | 11 9 | 1 20 | 20 43 | 2 35 | 18 10 | 1 26 | 19 51 | 0 37 | 11 55 | 1 47 | 22 15 | 0 1 | 21 53 | 1 19 | 16 45 | 16 5 | 18 24 | 18 25 | 14 42 | 0 34 | 4 39 | | | |
| S 16 | 13 58 | 2 2 | 3 47 | 10 25 | 1 14 | 20 44 | 2 31 | 18 19 | 1 25 | 19 52 | 0 37 | 11 56 | 1 48 | 22 15 | 0 1 | 21 53 | 1 19 | 16 46 | 16 5 | 18 22 | 18 24 | 14 45 | 0 33 | 4 39 | | | |
| S 17 | 13 39 | 4s24 | 2 50 | 9 41 | 1 9 | 20 44 | 2 27 | 18 28 | 1 25 | 19 53 | 0 36 | 11 58 | 1 48 | 22 15 | 0 1 | 21 53 | 1 19 | 16 46 | 16 5 | 18 21 | 18 23 | 14 48 | 0 32 | 4 39 | | | |
| M18 | 13 20 | 10 36 | 1 44 | 8 57 | 1 3 | 20 43 | 2 23 | 18 36 | 1 24 | 19 54 | 0 36 | 12 0 | 1 48 | 22 15 | 0 1 | 21 53 | 1 19 | 16 47 | 16 5 | 18 20 | 18 22 | 14 51 | 0 31 | 4 39 | | | |
| T 19 | 13 0 | 16 15 | 0 31 | 8 12 | 0 57 | 20 43 | 2 19 | 18 45 | 1 23 | 19 55 | 0 36 | 12 1 | 1 48 | 22 15 | 0 1 | 21 53 | 1 19 | 16 47 | 16 6 | 18 20 | 18 21 | 14 54 | 0 30 | 4 39 | | | |
| W20 | 12 41 | 20 59 | 0s44 | 7 28 | 0 50 | 20 41 | 2 15 | 18 53 | 1 22 | 19 56 | 0 36 | 12 3 | 1 48 | 22 15 | 0 1 | 21 53 | 1 19 | 16 48 | 16 6 | 18 20 | 18 21 | 14 57 | 0 30 | 4 39 | | | |
| T 21 | 12 21 | 24 28 | 1 55 | 6 43 | 0 44 | 20 40 | 2 10 | 19 1 | 1 21 | 19 57 | 0 36 | 12 5 | 1 48 | 22 15 | 0 1 | 21 53 | 1 19 | 16 49 | 16 6 | 18 19 | 18 20 | 14 59 | 0 29 | 4 39 | | | |
| F 22 | 12 1 | 26 26 | 2 59 | 5 59 | 0 37 | 20 38 | 2 6 | 19 9 | 1 21 | 19 58 | 0 35 | 12 7 | 1 48 | 22 15 | 0 1 | 21 53 | 1 19 | 16 49 | 16 6 | 18 19 | 18 19 | 15 2 | 0 28 | 4 39 | | | |
| S 23 | 11 41 | 26 45 | 3 52 | 5 14 | 0 30 | 20 35 | 2 2 | 19 16 | 1 20 | 19 59 | 0 35 | 12 8 | 1 48 | 22 15 | 0 1 | 21 53 | 1 19 | 16 50 | 16 6 | 18 18 | 18 18 | 15 5 | 0 27 | 4 39 | | | |
| S 24 | 11 20 | 25 27 | 4 30 | 4 30 | 0 22 | 20 32 | 1 58 | 19 24 | 1 19 | 20 0 | 0 35 | 12 10 | 1 48 | 22 15 | 0 1 | 21 53 | 1 19 | 16 50 | 16 7 | 18 16 | 18 17 | 15 8 | 0 26 | 4 39 | | | |
| M25 | 11 0 | 22 41 | 4 54 | 3 46 | 0 15 | 20 28 | 1 54 | 19 31 | 1 18 | 20 1 | 0 35 | 12 12 | 1 48 | 22 15 | 0 1 | 21 53 | 1 19 | 16 51 | 16 7 | 18 13 | 18 16 | 15 11 | 0 25 | 4 39 | | | |
| T 26 | 10 39 | 18 46 | 5 1 | 3 3 | 0 7 | 20 24 | 1 49 | 19 39 | 1 17 | 20 2 | 0 35 | 12 13 | 1 48 | 22 15 | 0 1 | 21 53 | 1 19 | 16 52 | 16 7 | 18 10 | 18 16 | 15 14 | 0 24 | 4 39 | | | |
| W27 | 10 18 | 14 2 | 4 52 | 2 19 | 0s 1 | 20 19 | 1 45 | 19 46 | 1 16 | 20 4 | 0 34 | 12 15 | 1 49 | 22 15 | 0 1 | 21 53 | 1 19 | 16 52 | 16 7 | 18 7 | 18 15 | 15 16 | 0 23 | 4 39 | | | |
| T 28 | 9 57 | 8 46 | 4 28 | 1 36 | 0 9 | 20 14 | 1 41 | 19 53 | 1 15 | 20 5 | 0 34 | 12 17 | 1 49 | 22 15 | 0 1 | 21 53 | 1 18 | 16 53 | 16 7 | 18 3 | 18 14 | 15 19 | 0 22 | 4 39 | | | |
| F 29 | 9 36 | 3 15 | 3 52 | 0 53 | 0 17 | 20 8 | 1 36 | 20 0 | 1 14 | 20 6 | 0 34 | 12 19 | 1 49 | 22 15 | 0 1 | 21 53 | 1 18 | 16 53 | 16 7 | 18 1 | 18 13 | 15 22 | 0 21 | 4 39 | | | |
| S 30 | 9 15 | 2n17 | 3 6 | 0 11 | 0 25 | 20 1 | 1 32 | 20 6 | 1 13 | 20 7 | 0 34 | 12 20 | 1 49 | 22 15 | 0 1 | 21 53 | 1 18 | 16 54 | 16 7 | 17 59 | 18 12 | 15 25 | 0 19 | 4 39 | | | |
| S 31 | 8n53 | 7n39 | 2s12 | 0s31 | 0s34 | 19n55 | 1s28 | 20n13 | 1s12 | 20s 9 | 0n34 | 12s22 | 1s49 | 22s15 | 0s 1 | 21s54 | 1n18 | 16s54 | 16s 8 | 17n57 | 18n12 | 15n28 | 0n18 | 4n39 | | | |

ASTRODIENST EPHEMERIS for the year 1817
geocentric

SEPTEMBER 1817

00:00 UT

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

| Day | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | decl | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat | decl lat |
| M 1 | 8n32 | 12n42 | 1s12 | 1s12 | 0s42 | 19n47 | 1s23 | 20n19 | 1s11 | 20s10 | 0n33 | 12s24 | 1s49 | 22s15 | 0s1 | 21s54 | 1n18 |
| T 2 | 8 10 17 | 15 0 | 1 53 | 0 51 | 19 39 | 1 19 | 20 26 | 1 10 | 20 11 | 0 33 | 12 25 | 1 49 | 22 15 | 0 1 | 21 54 | 1 18 | 16 56 |
| W 3 | 7 48 21 | 8 0n52 | 2 33 | 0 59 | 19 31 | 1 15 | 20 32 | 1 9 | 20 13 | 0 33 | 12 27 | 1 49 | 22 15 | 0 1 | 21 54 | 1 18 | 16 56 |
| T 4 | 7 26 24 11 | 1 53 | 3 13 | 1 8 | 19 22 | 1 11 | 20 38 | 1 8 | 20 14 | 0 33 | 12 29 | 1 49 | 22 15 | 0 1 | 21 54 | 1 18 | 16 57 |
| F 5 | 7 4 26 11 | 2 50 | 3 52 | 1 16 | 19 12 | 1 6 | 20 44 | 1 7 | 20 16 | 0 33 | 12 30 | 1 49 | 22 15 | 0 1 | 21 54 | 1 18 | 16 57 |
| S 6 | 6 41 26 57 | 3 40 | 4 30 | 1 25 | 19 2 | 1 2 | 20 49 | 1 6 | 20 17 | 0 32 | 12 32 | 1 49 | 22 16 | 0 1 | 21 54 | 1 18 | 16 58 |
| S 7 | 6 19 26 21 | 4 21 | 5 8 | 1 33 | 18 52 | 0 58 | 20 55 | 1 5 | 20 18 | 0 32 | 12 33 | 1 49 | 22 16 | 0 1 | 21 54 | 1 18 | 16 58 |
| M 8 | 5 56 24 19 | 4 49 | 5 45 | 1 42 | 18 41 | 0 54 | 21 1 | 1 4 | 20 20 | 0 32 | 12 35 | 1 49 | 22 16 | 0 1 | 21 54 | 1 18 | 16 59 |
| T 9 | 5 34 20 52 | 5 3 | 6 21 | 1 50 | 18 29 | 0 49 | 21 6 | 1 2 | 20 21 | 0 32 | 12 37 | 1 49 | 22 16 | 0 1 | 21 54 | 1 18 | 16 59 |
| W10 | 5 11 16 12 | 4 59 | 6 56 | 1 59 | 18 17 | 0 45 | 21 11 | 1 1 | 20 23 | 0 32 | 12 38 | 1 49 | 22 16 | 0 1 | 21 54 | 1 18 | 17 0 |
| T 11 | 4 48 10 31 | 4 37 | 7 30 | 2 7 | 18 4 | 0 41 | 21 16 | 1 0 | 20 24 | 0 31 | 12 40 | 1 49 | 22 16 | 0 1 | 21 54 | 1 18 | 17 1 |
| F 12 | 4 25 4 11 | 3 57 | 8 3 | 2 15 | 17 51 | 0 37 | 21 21 | 0 59 | 20 26 | 0 31 | 12 41 | 1 49 | 22 16 | 0 1 | 21 54 | 1 18 | 17 1 |
| S 13 | 4 3 2s28 | 3 1 | 8 36 | 2 23 | 17 37 | 0 33 | 21 26 | 0 57 | 20 28 | 0 31 | 12 43 | 1 49 | 22 17 | 0 1 | 21 54 | 1 18 | 17 2 |
| S 14 | 3 39 9 0 | 1 53 | 9 7 | 2 31 | 17 23 | 0 29 | 21 31 | 0 56 | 20 29 | 0 31 | 12 44 | 1 49 | 22 17 | 0 1 | 21 54 | 1 18 | 17 2 |
| M15 | 3 16 15 2 | 0 37 | 9 36 | 2 39 | 17 9 | 0 25 | 21 35 | 0 55 | 20 31 | 0 31 | 12 46 | 1 49 | 22 17 | 0 2 | 21 54 | 1 18 | 17 3 |
| T 16 | 2 53 20 9 | 0s40 | 10 5 | 2 46 | 16 53 | 0 21 | 21 40 | 0 54 | 20 32 | 0 31 | 12 47 | 1 49 | 22 17 | 0 2 | 21 54 | 1 17 | 17 3 |
| W17 | 2 30 24 2 | 1 54 | 10 32 | 2 54 | 16 38 | 0 17 | 21 44 | 0 52 | 20 34 | 0 30 | 12 49 | 1 49 | 22 17 | 0 2 | 21 55 | 1 17 | 17 4 |
| T 18 | 2 7 26 22 | 2 59 | 10 58 | 3 1 | 16 22 | 0 13 | 21 49 | 0 51 | 20 36 | 0 30 | 12 50 | 1 49 | 22 17 | 0 2 | 21 55 | 1 17 | 17 4 |
| F 19 | 1 44 27 3 | 3 54 | 11 22 | 3 7 | 16 5 | 0 9 | 21 53 | 0 49 | 20 37 | 0 30 | 12 51 | 1 49 | 22 18 | 0 2 | 21 55 | 1 17 | 17 5 |
| S 20 | 1 20 26 5 | 4 34 | 11 44 | 3 13 | 15 48 | 0 5 | 21 57 | 0 48 | 20 39 | 0 30 | 12 53 | 1 49 | 22 18 | 0 2 | 21 55 | 1 17 | 17 5 |
| S 21 | 0 57 23 39 | 4 58 | 12 4 | 3 19 | 15 31 | 0 1 | 22 1 | 0 47 | 20 41 | 0 30 | 12 54 | 1 49 | 22 18 | 0 2 | 21 55 | 1 17 | 17 6 |
| M22 | 0 33 20 1 | 5 7 | 12 22 | 3 25 | 15 13 | 0n3 | 22 5 | 0 45 | 20 43 | 0 29 | 12 55 | 1 49 | 22 18 | 0 2 | 21 55 | 1 17 | 17 6 |

ASTRODIENST EPHEMERIS for the year 1817
geocentric

OCTOBER 1817

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | ♈ | ♉ | Day |
|------|---------|----------|-------|--------|-------|--------|-------|-------|-------|-------|--------|--------|-------|-------|--------|------|
| W 1 | 0 37 27 | 7♌26°11 | 8♏42 | 24°R53 | 29♏29 | 20♏26 | 6♊36 | 0°R13 | 12♊28 | 21♊45 | 23°R59 | 18♊37 | 20♊0 | 17♊35 | 18°R33 | W 1 |
| T 2 | 0 41 24 | 8°25'17 | 20°34 | 24♏26 | 0♏40 | 20°46 | 6°46 | 0♏10 | 12°30 | 21°46 | 23♏58 | 18°39 | 19°56 | 17°42 | 18♏30 | T 2 |
| F 3 | 0 45 20 | 9°24'25 | 2♏36 | 23°51 | 1°51 | 21°6 | 6°56 | 0°7 | 12°32 | 21°47 | 23°57 | 18°40 | 19°53 | 17°48 | 18°28 | F 3 |
| S 4 | 0 49 17 | 10°23'35 | 14°54 | 23°9 | 3°3 | 21°26 | 7°6 | 0°4 | 12°34 | 21°48 | 23°55 | 18°R40 | 19°50 | 17°55 | 18°25 | S 4 |
| S 5 | 0 53 13 | 11°22'48 | 27°31 | 22°19 | 4°14 | 21°45 | 7°16 | 0°1 | 12°37 | 21°49 | 23°54 | 18°39 | 19°47 | 18°2 | 18°23 | S 5 |
| M 6 | 0 57 10 | 12°22'03 | 10♏32 | 21°22 | 5°25 | 22°3 | 7°26 | 29♏58 | 12°39 | 21°50 | 23°53 | 18°36 | 19°44 | 18°8 | 18°20 | M 6 |
| T 7 | 1 1 7 | 13°21'20 | 24°0 | 20°20 | 6°37 | 22°21 | 7°37 | 29°56 | 12°41 | 21°51 | 23°52 | 18°32 | 19°41 | 18°15 | 18°18 | T 7 |
| W 8 | 1 5 3 | 14°20'39 | 7♏56 | 19°12 | 7°49 | 22°38 | 7°47 | 29°53 | 12°43 | 21°52 | 23°51 | 18°26 | 19°37 | 18°21 | 18°15 | W 8 |
| T 9 | 1 9 0 | 15°20'01 | 22°18 | 18°2 | 9°1 | 22°54 | 7°58 | 29°51 | 12°46 | 21°53 | 23°50 | 18°21 | 19°34 | 18°28 | 18°13 | T 9 |
| F 10 | 1 12 56 | 16°19'25 | 7♏1 | 16°50 | 10°12 | 23°10 | 8°8 | 29°48 | 12°48 | 21°54 | 23°49 | 18°17 | 19°31 | 18°35 | 18°10 | F 10 |
| S 11 | 1 16 53 | 17°18'51 | 21°58 | 15°38 | 11°24 | 23°25 | 8°19 | 29°46 | 12°50 | 21°55 | 23°48 | 18°13 | 19°28 | 18°41 | 18°8 | S 11 |
| S 12 | 1 20 49 | 18°18'19 | 7♏0 | 14°29 | 12°37 | 23°40 | 8°30 | 29°44 | 12°53 | 21°57 | 23°46 | 18°11 | 19°25 | 18°48 | 18°6 | S 12 |
| M13 | 1 24 46 | 19°17'49 | 22°0 | 13°25 | 13°49 | 23°54 | 8°40 | 29°41 | 12°55 | 21°58 | 23°45 | 18°D11 | 19°22 | 18°55 | 18°3 | M13 |
| T 14 | 1 28 42 | 20°17'20 | 6♊48 | 12°27 | 15°1 | 24°7 | 8°51 | 29°39 | 12°58 | 21°59 | 23°44 | 18°12 | 19°18 | 19°1 | 18°1 | T 14 |
| W15 | 1 32 39 | 21°16'54 | 11♏26 | 11°37 | 16°13 | 24°20 | 9°2 | 29°37 | 13°0 | 22°0 | 23°43 | 18°13 | 19°15 | 19°8 | 17°59 | W15 |
| T 16 | 1 36 36 | 22°16'30 | 5♏30 | 10°57 | 17°26 | 24°32 | 9°14 | 29°36 | 13°3 | 22°2 | 23°42 | 18°15 | 19°12 | 19°15 | 17°57 | T 16 |
| F 17 | 1 40 32 | 23°16'07 | 19°20 | 10°27 | 18°38 | 24°43 | 9°25 | 29°34 | 13°6 | 22°3 | 23°41 | 18°R15 | 19°9 | 19°21 | 17°54 | F 17 |
| S 18 | 1 44 29 | 24°15'46 | 2♏49 | 10°8 | 19°51 | 24°54 | 9°36 | 29°32 | 13°8 | 22°4 | 23°40 | 18°15 | 19°6 | 19°28 | 17°52 | S 18 |
| S 19 | 1 48 25 | 25°15'26 | 15°58 | 10°D 1 | 21°4 | 25°4 | 9°48 | 29°30 | 13°11 | 22°6 | 23°39 | 18°14 | 19°2 | 19°35 | 17°50 | S 19 |
| M20 | 1 52 22 | 26°15'09 | 28°49 | 10°4 | 22°16 | 25°13 | 9°59 | 29°29 | 13°14 | 22°7 | 23°38 | 18°11 | 18°59 | 19°41 | 17°48 | M20 |
| T 21 | 1 56 18 | 27°14'53 | 11♏26 | 10°19 | 23°29 | 25°21 | 10°10 | 29°28 | 13°17 | 22°9 | 23°37 | 18°8 | 18°56 | 19°48 | 17°46 | T 21 |
| W22 | 2 0 15 | 28°14'38 | 23°49 | 10°43 | 24°42 | 25°29 | 10°22 | 29°26 | 13°19 | 22°10 | 23°36 | 18°5 | 18°53 | 19°54 | 17°44 | W22 |
| T 23 | 2 4 11 | 29°14'26 | 6♊2 | 11°17 | 25°55 | 25°36 | 10°34 | 29°25 | 13°22 | 22°12 | 23°35 | 18°2 | 18°50 | 20°1 | 17°42 | T 23 |
| F 24 | 2 8 8 | 0♏14'15 | 18°6 | 12°1 | 27°8 | 25°42 | 10°46 | 29°24 | 13°25 | 22°13 | 23°34 | 17°59 | 18°47 | 20°8 | 17°40 | F 24 |
| S 25 | 2 12 4 | 1°14'07 | 0♏2 | 12°52 | 28°21 | 25°48 | 10°57 | 29°23 | 13°28 | 22°15 | 23°33 | 17°58 | 18°43 | 20°14 | 17°39 | S 25 |
| S 26 | 2 16 1 | 2°14'00 | 11°53 | 13°50 | 29°34 | 25°52 | 11°9 | 29°22 | 13°31 | 22°16 | 23°32 | 17°57 | 18°40 | 20°21 | 17°37 | S 26 |
| M27 | 2 19 58 | 3°13'55 | 23°41 | 14°54 | 0♏48 | 25°56 | 11°21 | 29°21 | 13°34 | 22°18 | 23°32 | 17°D57 | 18°37 | 20°28 | 17°35 | M27 |
| T 28 | 2 23 54 | 4°13'53 | 5♏28 | 16°4 | 2°1 | 25°59 | 11°33 | 29°21 | 13°37 | 22°20 | 23°31 | 17°57 | 18°34 | 20°34 | 17°33 | T 28 |
| W29 | 2 27 51 | 5°13'52 | 17°17 | 17°19 | 3°15 | 26°1 | 11°45 | 29°20 | 13°40 | 22°21 | 23°30 | 17°59 | 18°31 | 20°41 | 17°32 | W29 |
| T 30 | 2 31 47 | 6°13'54 | 29°11 | 18°37 | 4°28 | 26°2 | 11°58 | 29°20 | 13°43 | 22°23 | 23°29 | 18°0 | 18°28 | 20°48 | 17°30 | T 30 |
| F 31 | 2 35 44 | 7♏13'57 | 11♏15 | 19°59 | 5♏42 | 26°R 3 | 12♊10 | 29♏19 | 13♊46 | 22♊25 | 23♏28 | 18♊1 | 18♊24 | 20♊54 | 17♏28 | F 31 |

| Day | ☉ | ☽ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | ♈ | ♉ | Day |
|------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-----------|---|---|-----|
| W 1 | 2s57 23n33 | 1n47 12s59 | 3s36 12n12 | 0n34 22n37 | 0s31 20s59 | 0n28 13s 6 | 1s49 22s20 | 0s 2 21s56 | 1n17 17s10 | 16s 9 17n23 | 17n46 16n53 | 0s17 4n37 | | | |
| T 2 | 3 21 25 53 | 2 45 12 45 | 3 31 11 50 | 0 37 22 40 | 0 29 21 0 | 0 28 13 7 | 1 49 22 21 | 0 2 21 56 | 1 17 17 10 | 16 8 17 23 | 17 45 16 56 | 0 18 4 37 | | | |
| F 3 | 3 44 27 3 | 3 37 12 26 | 3 25 11 27 | 0 40 22 43 | 0 27 21 2 | 0 28 13 8 | 1 48 22 21 | 0 2 21 56 | 1 17 17 11 | 16 8 17 24 | 17 44 16 59 | 0 20 4 36 | | | |
| S 4 | 4 7 26 56 | 4 20 12 3 | 3 16 11 5 | 0 43 22 46 | 0 25 21 4 | 0 28 13 9 | 1 48 22 21 | 0 2 21 56 | 1 17 17 11 | 16 8 17 24 | 17 43 17 1 | 0 21 4 36 | | | |
| S 5 | 4 30 25 26 | 4 51 11 35 | 3 6 10 41 | 0 46 22 49 | 0 23 21 6 | 0 27 13 10 | 1 48 22 22 | 0 2 21 56 | 1 17 17 11 | 16 8 17 23 | 17 42 17 4 | 0 22 4 36 | | | |
| M 6 | 4 54 22 34 | 5 9 11 2 | 2 54 10 18 | 0 49 22 52 | 0 22 21 8 | 0 27 13 11 | 1 48 22 22 | 0 2 21 56 | 1 16 17 12 | 16 8 17 23 | 17 41 17 7 | 0 23 4 36 | | | |
| T 7 | 5 17 18 25 | 5 11 10 26 | 2 41 9 54 | 0 52 22 55 | 0 20 21 9 | 0 27 13 12 | 1 48 22 22 | 0 2 21 57 | 1 16 17 12 | 16 8 17 21 | 17 40 17 9 | 0 24 4 36 | | | |
| W 8 | 5 40 13 9 | 4 54 9 46 | 2 25 9 30 | 0 55 22 58 | 0 18 21 11 | 0 27 13 13 | 1 48 22 23 | 0 2 21 57 | 1 16 17 13 | 16 8 17 20 | 17 40 17 12 | 0 25 4 36 | | | |
| T 9 | 6 3 7 2 | 4 19 9 3 | 2 8 9 6 | 0 58 23 1 | 0 16 21 13 | 0 27 13 13 | 1 48 22 23 | 0 2 21 57 | 1 16 17 13 | 16 8 17 19 | 17 39 17 15 | 0 26 4 35 | | | |
| F 10 | 6 26 0 23 | 3 27 8 18 | 1 49 8 41 | 1 0 23 3 | 0 14 21 15 | 0 27 13 14 | 1 48 22 23 | 0 2 21 57 | 1 16 17 13 | 16 8 17 17 | 17 38 17 17 | 0 28 4 35 | | | |
| S 11 | 6 48 6s25 | 2 19 7 33 | 1 30 8 16 | 1 3 23 6 | 0 12 21 17 | 0 26 13 15 | 1 48 22 23 | 0 2 21 57 | 1 16 17 14 | 16 8 17 16 | 17 37 17 20 | 0 29 4 35 | | | |
| S 12 | 7 11 12 54 | 1 1 6 47 | 1 9 7 51 | 1 6 23 9 | 0 10 21 19 | 0 26 13 16 | 1 48 22 24 | 0 2 21 57 | 1 16 17 14 | 16 7 17 16 | 17 36 17 23 | 0 30 4 35 | | | |
| M13 | 7 34 18 37 | 0s21 6 3 | 0 49 7 25 | 1 8 23 12 | 0 8 21 20 | 0 26 13 16 | 1 48 22 24 | 0 2 21 57 | 1 16 17 14 | 16 7 17 16 | 17 35 17 26 | 0 31 4 35 | | | |
| T 14 | 7 56 23 7 | 1 41 5 22 | 0 28 6 59 | 1 10 23 14 | 0 6 21 22 | 0 26 13 17 | 1 48 22 24 | 0 2 21 57 | 1 16 17 14 | 16 7 17 16 | 17 34 17 28 | 0 32 4 34 | | | |
| W15 | 8 19 26 3 | 2 52 4 44 | 0 8 6 33 | 1 13 23 17 | 0 3 21 24 | 0 26 13 18 | 1 48 22 25 | 0 2 21 57 | 1 16 17 15 | 16 7 17 16 | 17 33 17 31 | 0 33 4 34 | | | |
| T 16 | 8 41 27 12 | 3 52 4 10 | 0n11 6 7 | 1 15 23 20 | 0 1 21 26 | 0 26 13 18 | 1 47 22 25 | 0 2 21 58 | 1 16 17 15 | 16 7 17 17 | 17 33 17 34 | 0 34 4 34 | | | |
| F 17 | 9 3 26 37 | 4 36 3 42 | 0 29 5 41 | 1 17 23 23 | 0n 1 21 28 | 0 26 13 19 | 1 47 22 25 | 0 2 21 58 | 1 16 17 15 | 16 7 17 17 | 17 32 17 36 | 0 35 4 34 | | | |
| S 18 | 9 25 24 28 | 5 4 3 19 | 0 46 5 14 | 1 19 23 25 | 0 3 21 30 | 0 25 13 19 | 1 47 22 26 | 0 2 21 58 | 1 16 17 16 | 16 6 17 17 | 17 31 17 39 | 0 36 4 33 | | | |
| S 19 | 9 47 21 4 | 5 15 3 2 | 1 1 4 47 | 1 21 23 28 | 0 5 21 31 | 0 25 13 20 | 1 47 22 26 | 0 2 21 58 | 1 16 17 16 | 16 6 17 17 | 17 30 17 42 | 0 37 4 33 | | | |
| M20 | 10 9 16 44 | 5 10 2 51 | 1 15 4 20 | 1 23 23 30 | 0 8 21 33 | 0 25 13 20 | 1 47 22 26 | 0 2 21 58 | 1 16 17 16 | 16 6 17 16 | 17 29 17 44 | 0 38 4 33 | | | |
| T 21 | 10 30 11 45 | 4 50 2 45 | 1 27 3 53 | 1 25 23 33 | 0 10 21 35 | 0 25 13 21 | 1 47 22 27 | 0 2 21 58 | 1 16 17 16 | 16 6 17 15 | 17 28 17 47 | 0 39 4 33 | | | |
| W22 | 10 52 6 22 | 4 16 2 45 | 1 37 3 26 | 1 26 23 36 | 0 13 21 37 | 0 25 13 21 | 1 47 22 27 | 0 2 21 58 | 1 16 17 16 | 16 6 17 14 | 17 27 17 49 | 0 40 4 33 | | | |
| T 23 | 11 13 0 50 | 3 31 2 51 | 1 46 2 58 | 1 28 23 38 | 0 15 21 39 | 0 25 13 21 | 1 47 22 28 | 0 2 21 58 | 1 16 17 17 | 16 6 17 13 | 17 27 17 52 | 0 41 4 32 | | | |
| F 24 | 11 34 4n40 | 2 38 3 1 | 1 53 2 31 | 1 30 23 41 | 0 17 21 41 | 0 25 13 22 | 1 47 22 28 | 0 2 21 59 | 1 16 17 17 | 16 5 17 13 | 17 26 17 55 | 0 42 4 32 | | | |
| S 25 | 11 55 9 58 | 1 38 3 15 | 1 59 2 3 | 1 31 23 44 | 0 20 21 42 | 0 25 13 22 | 1 47 22 28 | 0 2 21 59 | 1 16 17 17 | 16 5 17 12 | 17 25 17 57 | 0 43 4 32 | | | |
| S 26 | 12 16 14 53 | 0 34 3 34 | 2 3 1 35 | 1 33 23 47 | 0 23 21 44 | 0 24 13 22 | 1 46 22 29 | 0 2 21 59 | 1 16 17 17 | 16 5 17 12 | 17 24 18 0 | 0 44 4 32 | | | |
| M27 | 12 36 19 14 | 0n32 3 56 | 2 6 1 7 | 1 34 23 49 | 0 25 21 46 | 0 24 13 22 | 1 46 22 29 | 0 2 21 59 | 1 16 17 17 | 16 5 17 12 | 17 23 18 3 | 0 45 4 31 | | | |
| T 28 | 12 57 22 48 | 1 36 4 21 | 2 8 0 39 | 1 35 23 52 | 0 28 21 48 | 0 24 13 22 | 1 46 22 29 | 0 2 21 59 | 1 16 17 17 | 16 4 17 12 | 17 22 18 5 | 0 46 4 31 | | | |
| W29 | 13 17 25 26 | 2 36 4 49 | 2 9 0 11 | 1 36 23 55 | 0 30 21 49 | 0 24 13 22 | 1 46 22 30 | 0 2 21 59 | 1 15 17 18 | 16 4 17 12 | 17 21 18 8 | 0 47 4 31 | | | |
| T 30 | 13 37 26 57 | 3 29 5 19 | 2 9 0s17 | 1 37 23 57 | 0 33 21 51 | 0 24 13 22 | 1 46 22 30 | 0 2 21 59 | 1 15 17 18 | 16 4 17 13 | 17 20 18 10 | 0 47 4 30 | | | |
| F 31 | 13s56 27n13 | 4n15 5s51 | 2n 8 0s46 | 1n38 24n 0 | 0n36 21s53 | 0n24 13s23 | 1s46 22s31 | 0s 2 22s 0 | 1n15 17s18 | 16s 4 17n13 | 17n19 18n13 | 0s48 4n30 | | | |

Julian Day Number = 2384978.5, Delta T = 16.66 sec
Ecliptic obliquity = 23°27'53, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°11'44, Lahiri = 21°18'44

ASTRODIENST EPHEMERIS for the year 1817

geocentric

NOVEMBER 1817

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|-------|-------|-------|--------|-------|--------|-------|-------|--------|--------|-------|-------|--------|------|
| S 1 | 2 39 40 | 8♈14°03 | 23♏31 | 21♊25 | 6♋55 | 26°R 2 | 12♈22 | 29°R19 | 13♈49 | 22♈27 | 23°R27 | 18♋2 | 18♋21 | 21♋1 | 17°R27 | S 1 |
| S 2 | 2 43 37 | 9°14'11 | 6♋5 | 22°52 | 8° 9 | 26♈1 | 12°34 | 29°R19 | 13°53 | 22°28 | 23♈27 | 18°R 2 | 18°18 | 21° 8 | 17♈26 | S 2 |
| M 3 | 2 47 33 | 10°14'21 | 19° 0 | 24°21 | 9°23 | 25°59 | 12°47 | 29°D19 | 13°56 | 22°30 | 23°26 | 18° 2 | 18°15 | 21°14 | 17°24 | M 3 |
| T 4 | 2 51 30 | 11°14'33 | 2♈20 | 25°53 | 10°36 | 25°56 | 12°59 | 29°19 | 13°59 | 22°32 | 23°25 | 18° 2 | 18°12 | 21°21 | 17°23 | T 4 |
| W 5 | 2 55 27 | 12°14'47 | 16° 7 | 27°25 | 11°50 | 25°52 | 13°12 | 29°19 | 14° 2 | 22°34 | 23°24 | 18° 1 | 18° 8 | 21°28 | 17°21 | W 5 |
| T 6 | 2 59 23 | 13°15'03 | 0♋21 | 28°58 | 13° 4 | 25°47 | 13°24 | 29°19 | 14° 5 | 22°36 | 23°24 | 18° 0 | 18° 5 | 21°34 | 17°20 | T 6 |
| F 7 | 3 3 20 | 14°15'21 | 15° 0 | 0♈33 | 14°18 | 25°41 | 13°37 | 29°19 | 14° 9 | 22°37 | 23°23 | 18° 0 | 18° 2 | 21°41 | 17°19 | F 7 |
| S 8 | 3 7 16 | 15°15'41 | 29°59 | 2° 8 | 15°32 | 25°35 | 13°50 | 29°20 | 14°12 | 22°39 | 23°22 | 18° 0 | 17°59 | 21°47 | 17°18 | S 8 |
| S 9 | 3 11 13 | 16°16'03 | 15♈10 | 3°43 | 16°46 | 25°27 | 14° 2 | 29°20 | 14°15 | 22°41 | 23°22 | 17°D59 | 17°56 | 21°54 | 17°17 | S 9 |
| M10 | 3 15 9 | 17°16'26 | 0♈23 | 5°19 | 18° 0 | 25°19 | 14°15 | 29°21 | 14°19 | 22°43 | 23°21 | 17°59 | 17°53 | 22° 1 | 17°16 | M10 |
| T 11 | 3 19 6 | 18°16'52 | 15°29 | 6°55 | 19°15 | 25° 9 | 14°28 | 29°22 | 14°22 | 22°45 | 23°20 | 17°R59 | 17°49 | 22° 7 | 17°15 | T 11 |
| W12 | 3 23 2 | 19°17'19 | 0♈19 | 8°31 | 20°29 | 24°59 | 14°41 | 29°23 | 14°25 | 22°47 | 23°20 | 17°59 | 17°46 | 22°14 | 17°14 | W12 |
| T 13 | 3 26 59 | 20°17'47 | 14°47 | 10° 7 | 21°43 | 24°48 | 14°54 | 29°24 | 14°29 | 22°49 | 23°19 | 17°59 | 17°43 | 22°21 | 17°13 | T 13 |
| F 14 | 3 30 56 | 21°18'16 | 28°49 | 11°43 | 22°57 | 24°36 | 15° 7 | 29°25 | 14°32 | 22°51 | 23°19 | 17°59 | 17°40 | 22°27 | 17°12 | F 14 |
| S 15 | 3 34 52 | 22°18'47 | 12♈25 | 13°20 | 24°12 | 24°24 | 15°20 | 29°26 | 14°36 | 22°53 | 23°18 | 17°59 | 17°37 | 22°34 | 17°11 | S 15 |
| S 16 | 3 38 49 | 23°19'19 | 25°35 | 14°56 | 25°26 | 24°10 | 15°33 | 29°27 | 14°39 | 22°55 | 23°18 | 17°D59 | 17°34 | 22°41 | 17°10 | S 16 |
| M17 | 3 42 45 | 24°19'52 | 8♈23 | 16°32 | 26°41 | 23°56 | 15°46 | 29°29 | 14°43 | 22°57 | 23°17 | 17°59 | 17°30 | 22°47 | 17°10 | M17 |
| T 18 | 3 46 42 | 25°20'27 | 20°51 | 18° 8 | 27°55 | 23°41 | 15°59 | 29°30 | 14°46 | 22°59 | 23°17 | 17°59 | 17°27 | 22°54 | 17° 9 | T 18 |
| W19 | 3 50 38 | 26°21'02 | 3♈5 | 19°43 | 29° 9 | 23°25 | 16°12 | 29°32 | 14°50 | 23° 1 | 23°16 | 18° 0 | 17°24 | 23° 1 | 17° 8 | W19 |
| T 20 | 3 54 35 | 27°21'39 | 15° 7 | 21°19 | 0♈24 | 23° 8 | 16°26 | 29°33 | 14°53 | 23° 3 | 23°16 | 18° 1 | 17°21 | 23° 7 | 17° 8 | T 20 |
| F 21 | 3 58 31 | 28°22'17 | 27° 1 | 22°54 | 1°39 | 22°51 | 16°39 | 29°35 | 14°57 | 23° 5 | 23°15 | 18° 2 | 17°18 | 23°14 | 17° 8 | F 21 |
| S 22 | 4 2 28 | 29°22'57 | 8♋50 | 24°29 | 2°53 | 22°33 | 16°52 | 29°37 | 15° 0 | 23° 7 | 23°15 | 18° 3 | 17°14 | 23°20 | 17° 7 | S 22 |
| S 23 | 4 6 25 | 0♈23'38 | 20°38 | 26° 5 | 4° 8 | 22°15 | 17° 5 | 29°39 | 15° 4 | 23°10 | 23°15 | 18°R 3 | 17°11 | 23°27 | 17° 7 | S 23 |
| M24 | 4 10 21 | 1°24'20 | 2♈26 | 27°40 | 5°22 | 21°55 | 17°19 | 29°41 | 15° 7 | 23°12 | 23°14 | 18° 2 | 17° 8 | 23°34 | 17° 6 | M24 |
| T25 | 4 14 18 | 2°25'03 | 14°17 | 29°14 | 6°37 | 21°36 | 17°32 | 29°43 | 15°11 | 23°14 | 23°14 | 18° 1 | 17° 5 | 23°40 | 17° 6 | T25 |
| W26 | 4 18 14 | 3°25'48 | 26°12 | 0♈49 | 7°52 | 21°15 | 17°46 | 29°46 | 15°15 | 23°16 | 23°14 | 17°59 | 17° 2 | 23°47 | 17° 6 | W26 |
| T 27 | 4 22 11 | 4°26'34 | 8♋14 | 2°24 | 9° 7 | 20°55 | 17°59 | 29°48 | 15°18 | 23°18 | 23°13 | 17°57 | 16°59 | 23°54 | 17° 6 | T 27 |
| F 28 | 4 26 7 | 5°27'22 | 20°25 | 3°58 | 10°21 | 20°33 | 18°12 | 29°51 | 15°22 | 23°20 | 23°13 | 17°54 | 16°55 | 24° 0 | 17°D 6 | F 28 |
| S 29 | 4 30 4 | 6°28'11 | 2♈47 | 5°32 | 11°36 | 20°12 | 18°26 | 29°53 | 15°25 | 23°22 | 23°13 | 17°51 | 16°52 | 24° 7 | 17° 6 | S 29 |
| S 30 | 4 34 1 | 7♈29'02 | 15♈23 | 7♈7 | 12♈51 | 19♈49 | 18♈39 | 29°56 | 15♈29 | 23♈25 | 23♈13 | 17♈49 | 16♈49 | 24♈14 | 17♈6 | S 30 |

| Day | ☉ | ☾ | | ♀ | | ♀ | | ♂ | | ♂ | | ♂ | ♂ | | ♂ | | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-------|------|------|-----|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| S 1 | 14s16 | 26n10 | 4n49 | 6s25 | 2n 6 | 1s14 | 1n39 | 24n 3 | 0n38 | 21s55 | 0n24 | 13s23 | 1s46 | 22s31 | 0s 2 | 22s 0 | 1n15 | 17s18 | 16s 4 | 17n13 | 17n19 | 18n16 | 0s49 | 4n30 | |
| S 2 | 14 35 | 23 47 | 5 11 | 6 59 | 2 3 | 1 42 | 1 40 | 24 5 | 0 41 | 21 56 | 0 24 | 13 22 | 1 46 | 22 31 | 0 2 | 22 0 | 1 15 | 17 18 | 16 3 | 17 13 | 17 18 | 18 18 | 0 50 | 4 30 | |
| M 3 | 14 54 | 20 10 | 5 18 | 7 35 | 2 0 | 2 11 | 1 41 | 24 8 | 0 44 | 21 58 | 0 23 | 13 22 | 1 46 | 22 32 | 0 2 | 22 0 | 1 15 | 17 18 | 16 3 | 17 13 | 17 17 | 18 21 | 0 51 | 4 29 | |
| T 4 | 15 13 | 15 26 | 5 8 | 8 12 | 1 57 | 2 39 | 1 41 | 24 11 | 0 47 | 22 0 | 0 23 | 13 22 | 1 45 | 22 32 | 0 2 | 22 0 | 1 15 | 17 18 | 16 3 | 17 13 | 17 16 | 18 23 | 0 52 | 4 29 | |
| W 5 | 15 32 | 9 47 | 4 40 | 8 49 | 1 52 | 3 7 | 1 42 | 24 14 | 0 50 | 22 1 | 0 23 | 13 22 | 1 45 | 22 32 | 0 2 | 22 0 | 1 15 | 17 18 | 16 2 | 17 13 | 17 15 | 18 26 | 0 52 | 4 29 | |
| T 6 | 15 50 | 3 27 | 3 55 | 9 27 | 1 48 | 3 36 | 1 42 | 24 16 | 0 53 | 22 3 | 0 23 | 13 22 | 1 45 | 22 33 | 0 2 | 22 0 | 1 15 | 17 18 | 16 2 | 17 13 | 17 14 | 18 29 | 0 53 | 4 29 | |
| F 7 | 16 8 | 3s15 | 2 53 | 10 4 | 1 43 | 4 4 | 1 43 | 24 19 | 0 55 | 22 5 | 0 23 | 13 22 | 1 45 | 22 33 | 0 2 | 22 0 | 1 15 | 17 18 | 16 2 | 17 13 | 17 13 | 18 31 | 0 54 | 4 28 | |
| S 8 | 16 26 | 9 56 | 1 39 | 10 42 | 1 37 | 4 32 | 1 43 | 24 22 | 0 58 | 22 6 | 0 23 | 13 21 | 1 45 | 22 34 | 0 2 | 22 1 | 1 15 | 17 18 | 16 2 | 17 13 | 17 12 | 18 34 | 0 55 | 4 28 | |
| S 9 | 16 43 | 16 9 | 0 16 | 11 20 | 1 32 | 5 0 | 1 43 | 24 24 | 1 1 | 22 8 | 0 23 | 13 21 | 1 45 | 22 34 | 0 2 | 22 1 | 1 15 | 17 18 | 16 1 | 17 13 | 17 12 | 18 36 | 0 55 | 4 28 | |
| M10 | 17 0 | 21 22 | 1s 8 | 11 58 | 1 26 | 5 29 | 1 44 | 24 27 | 1 4 | 22 10 | 0 23 | 13 21 | 1 45 | 22 34 | 0 2 | 22 1 | 1 15 | 17 18 | 16 1 | 17 13 | 17 11 | 18 39 | 0 56 | 4 27 | |
| T 11 | 17 17 | 25 7 | 2 27 | 12 35 | 1 20 | 5 57 | 1 44 | 24 30 | 1 7 | 22 11 | 0 22 | 13 20 | 1 45 | 22 35 | 0 2 | 22 1 | 1 15 | 17 18 | 16 1 | 17 13 | 17 10 | 18 42 | 0 57 | 4 27 | |
| W12 | 17 34 | 27 2 | 3 34 | 13 12 | 1 13 | 6 25 | 1 44 | 24 32 | 1 10 | 22 13 | 0 22 | 13 20 | 1 44 | 22 35 | 0 2 | 22 1 | 1 15 | 17 18 | 16 1 | 17 13 | 17 9 | 18 44 | 0 57 | 4 27 | |
| T 13 | 17 50 | 27 3 | 4 26 | 13 49 | 1 7 | 6 52 | 1 44 | 24 35 | 1 13 | 22 14 | 0 22 | 13 19 | 1 44 | 22 36 | 0 2 | 22 1 | 1 15 | 17 18 | 16 0 | 17 13 | 17 8 | 18 47 | 0 58 | 4 27 | |
| F 14 | 18 6 | 25 19 | 5 0 | 14 25 | 1 0 | 7 20 | 1 43 | 24 38 | 1 16 | 22 16 | 0 22 | 13 19 | 1 44 | 22 36 | 0 2 | 22 1 | 1 15 | 17 18 | 16 0 | 17 12 | 17 7 | 18 49 | 0 58 | 4 26 | |
| S 15 | 18 22 | 22 9 | 5 16 | 15 0 | 0 54 | 7 48 | 1 43 | 24 40 | 1 19 | 22 18 | 0 22 | 13 18 | 1 44 | 22 36 | 0 2 | 22 2 | 1 15 | 17 18 | 16 0 | 17 12 | 17 6 | 18 52 | 0 59 | 4 26 | |
| S 16 | 18 37 | 17 57 | 5 15 | 15 35 | 0 47 | 8 15 | 1 43 | 24 42 | 1 22 | 22 19 | 0 22 | 13 18 | 1 44 | 22 37 | 0 2 | 22 2 | 1 15 | 17 18 | 15 59 | 17 12 | 17 5 | 18 54 | 1 0 | 4 26 | |
| M17 | 18 52 | 13 2 | 4 58 | 16 9 | 0 40 | 8 42 | 1 42 | 24 45 | 1 25 | 22 21 | 0 22 | 13 17 | 1 44 | 22 37 | 0 2 | 22 2 | 1 15 | 17 18 | 15 59 | 17 12 | 17 4 | 18 57 | 1 0 | 4 25 | |
| T 18 | 19 7 | 7 43 | 4 27 | 16 43 | 0 33 | 9 9 | 1 42 | 24 47 | 1 28 | 22 22 | 0 22 | 13 17 | 1 44 | 22 38 | 0 2 | 22 2 | 1 15 | 17 18 | 15 59 | 17 13 | 17 4 | 18 59 | 1 1 | 4 25 | |
| W19 | 19 21 | 2 13 | 3 45 | 17 16 | 0 26 | 9 36 | 1 41 | 24 49 | 1 31 | 22 24 | 0 22 | 13 16 | 1 44 | 22 38 | 0 2 | 22 2 | 1 15 | 17 18 | 15 58 | 17 13 | 17 3 | 19 2 | 1 1 | 4 25 | |
| T 20 | 19 35 | 3n18 | 2 53 | 17 48 | 0 19 | 10 3 | 1 41 | 24 52 | 1 35 | 22 25 | 0 21 | 13 15 | 1 44 | 22 38 | 0 2 | 22 2 | 1 15 | 17 18 | 15 58 | 17 13 | 17 2 | 19 4 | 1 2 | 4 24 | |
| F 21 | 19 49 | 8 39 | 1 54 | 18 19 | 0 13 | 10 30 | 1 40 | 24 54 | 1 38 | 22 26 | 0 21 | 13 15 | 1 43 | 22 39 | 0 2 | 22 2 | 1 15 | 17 18 | 15 58 | 17 13 | 17 1 | 19 7 | 1 2 | 4 24 | |
| S 22 | 20 2 | 13 39 | 0 51 | 18 49 | 0 6 | 10 56 | 1 39 | 24 56 | 1 41 | 22 28 | 0 21 | 13 14 | 1 43 | 22 39 | 0 2 | 22 3 | 1 15 | 17 17 | 15 58 | 17 13 | 17 0 | 19 10 | 1 3 | 4 24 | |
| S 23 | 20 15 | 18 10 | 0n14 | 19 19 | 0s 1 | 11 22 | 1 39 | 24 58 | 1 44 | 22 29 | 0 21 | 13 13 | 1 43 | 22 40 | 0 2 | 22 3 | 1 15 | 17 17 | 15 57 | 17 14 | 16 59 | 19 12 | 1 3 | 4 24 | |
| M24 | 20 28 | 21 58 | 1 19 | 19 47 | 0 8 | 11 48 | 1 38 | 24 59 | 1 46 | 22 31 | 0 21 | 13 12 | 1 43 | 22 40 | 0 2 | 22 3 | 1 15 | 17 17 | 15 57 | 17 13 | 16 58 | 19 15 | 1 3 | 4 23 | |
| T25 | 20 40 | 24 52 | 2 20 | 20 15 | 0 15 | 12 13 | 1 37 | 25 1 | 1 49 | 22 32 | 0 21 | 13 11 | 1 43 | 22 40 | 0 2 | 22 3 | 1 15 | 17 17 | 15 57 | 17 13 | 16 57 | 19 17 | 1 4 | 4 23 | |
| W26 | 20 52 | 26 40 | 3 16 | 20 41 | 0 21 | 12 38 | 1 36 | 25 3 | 1 52 | 22 33 | 0 21 | 13 10 | 1 43 | 22 41 | 0 2 | 22 3 | 1 15 | 17 17 | 15 56 | 17 12 | 16 56 | 19 20 | 1 4 | 4 23 | |
| T 27 | 21 3 | 27 15 | 4 3 | 21 7 | 0 28 | 13 3 | 1 34 | 25 4 | 1 55 | 22 35 | 0 21 | 13 9 | 1 43 | 22 41 | 0 2 | 22 3 | 1 15 | 17 17 | 15 56 | 17 12 | 16 55 | 19 22 | 1 4 | 4 22 | |
| F 28 | 21 14 | 26 32 | 4 40 | 21 31 | 0 34 | 13 28 | 1 33 | 25 5 | 1 58 | 22 36 | 0 21 | 13 8 | 1 43 | 22 42 | 0 2 | 22 3 | 1 15 | 17 16 | 15 56 | 17 11 | 16 55 | 19 25 | 1 5 | 4 22 | |
| S 29 | 21 25 | 24 30 | 5 5 | 21 55 | 0 40 | 13 52 | 1 32 | 25 7 | 2 1 | 22 37 | 0 21 | 13 7 | 1 42 | 22 42 | 0 2 | 22 3 | 1 15 | 17 16 | 15 55 | 17 10 | 16 54 | 19 27 | 1 5 | 4 22 | |
| S 30 | 21s35 | 21n15 | 5n15 | 22s17 | 0s47 | 14s16 | 1n31 | 25n 8 | 2n 4 | 22s38 | 0n20 | 13s 6 | 1s42 | 22s43 | 0s 2 | 22s 4 | 1n15 | 17s16 | 15s55 | 17n10 | 16n53 | 19n30 | 1s 5 | 4n21 | |

ASTRODIENST EPHEMERIS for the year 1817

geocentric

DECEMBER 1817

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|-------|-------|-------|---------|-------|-------|-------|-------|--------|--------|-------|-------|-------|------|
| M 1 | 4 37 57 | 8°29'53 | 28°16 | 8°41 | 14°16 | 19°R27 | 18°53 | 29°59 | 15°33 | 23°27 | 23°R13 | 17°R48 | 16°46 | 24°20 | 17°46 | M 1 |
| T 2 | 4 41 54 | 9°30'46 | 11°29 | 10°15 | 15°21 | 19°II 4 | 19° 6 | 0°12 | 15°36 | 23°29 | 23°12 | 17°D47 | 16°43 | 24°27 | 17° 6 | T 2 |
| W 3 | 4 45 50 | 10°31'41 | 25° 4 | 11°49 | 16°36 | 18°41 | 19°20 | 0° 5 | 15°40 | 23°31 | 23°12 | 17°B48 | 16°40 | 24°34 | 17° 7 | W 3 |
| T 4 | 4 49 47 | 11°32'37 | 9° 3 | 13°24 | 17°51 | 18°18 | 19°34 | 0° 8 | 15°44 | 23°34 | 23°12 | 17°49 | 16°36 | 24°40 | 17° 7 | T 4 |
| F 5 | 4 53 43 | 12°33'34 | 23°25 | 14°58 | 19° 6 | 17°55 | 19°47 | 0°11 | 15°47 | 23°36 | 23°12 | 17°51 | 16°33 | 24°47 | 17° 7 | F 5 |
| S 6 | 4 57 40 | 13°34'32 | 8°16 | 16°32 | 20°21 | 17°31 | 20° 1 | 0°14 | 15°51 | 23°38 | 23°12 | 17°52 | 16°30 | 24°54 | 17° 8 | S 6 |
| S 7 | 5 1 36 | 14°35'32 | 23° 9 | 18° 6 | 21°36 | 17° 8 | 20°14 | 0°17 | 15°55 | 23°40 | 23°12 | 17°R52 | 16°27 | 25° 0 | 17° 8 | S 7 |
| M 8 | 5 5 33 | 15°36'32 | 8°18 | 19°41 | 22°51 | 16°45 | 20°28 | 0°21 | 15°58 | 23°42 | 23°D12 | 17°51 | 16°24 | 25° 7 | 17° 9 | M 8 |
| T 9 | 5 9 30 | 16°37'34 | 23°26 | 21°15 | 24° 6 | 16°21 | 20°42 | 0°24 | 16° 2 | 23°45 | 23°12 | 17°48 | 16°20 | 25°13 | 17° 9 | T 9 |
| W10 | 5 13 26 | 17°38'37 | 8°24 | 22°49 | 25°21 | 15°58 | 20°55 | 0°28 | 16° 6 | 23°47 | 23°12 | 17°44 | 16°17 | 25°20 | 17°10 | W10 |
| T 11 | 5 17 23 | 18°39'40 | 23° 4 | 24°24 | 26°36 | 15°35 | 21° 9 | 0°32 | 16° 9 | 23°49 | 23°12 | 17°39 | 16°14 | 25°27 | 17°11 | T 11 |
| F 12 | 5 21 19 | 19°40'43 | 7°19 | 25°59 | 27°51 | 15°12 | 21°23 | 0°36 | 16°13 | 23°52 | 23°12 | 17°35 | 16°11 | 25°33 | 17°11 | F 12 |
| S 13 | 5 25 16 | 20°41'48 | 21° 5 | 27°33 | 29° 6 | 14°50 | 21°36 | 0°39 | 16°17 | 23°54 | 23°12 | 17°30 | 16° 8 | 25°40 | 17°12 | S 13 |
| S 14 | 5 29 12 | 21°42'52 | 4°23 | 29° 8 | 0°21 | 14°28 | 21°50 | 0°43 | 16°20 | 23°56 | 23°13 | 17°27 | 16° 5 | 25°47 | 17°13 | S 14 |
| M15 | 5 33 9 | 22°43'57 | 17°14 | 0°43 | 1°36 | 14° 6 | 22° 4 | 0°48 | 16°24 | 23°58 | 23°13 | 17°D26 | 16° 1 | 25°53 | 17°14 | M15 |
| T 16 | 5 37 5 | 23°45'02 | 29°43 | 2°18 | 2°51 | 13°44 | 22°17 | 0°52 | 16°28 | 24° 1 | 23°13 | 17°26 | 15°58 | 26° 0 | 17°15 | T 16 |
| W17 | 5 41 2 | 24°46'08 | 11°54 | 3°53 | 4° 7 | 13°23 | 22°31 | 0°56 | 16°31 | 24° 3 | 23°13 | 17°27 | 15°55 | 26° 7 | 17°16 | W17 |
| T 18 | 5 44 59 | 25°47'13 | 23°52 | 5°28 | 5°22 | 13° 3 | 22°45 | 1° 0 | 16°35 | 24° 5 | 23°13 | 17°29 | 15°52 | 26°13 | 17°17 | T 18 |
| F 19 | 5 48 55 | 26°48'20 | 5°42 | 7° 3 | 6°37 | 12°43 | 22°58 | 1° 5 | 16°38 | 24° 7 | 23°14 | 17°30 | 15°49 | 26°20 | 17°18 | F 19 |
| S 20 | 5 52 52 | 27°49'26 | 17°29 | 8°38 | 7°52 | 12°24 | 23°12 | 1° 9 | 16°42 | 24°10 | 23°14 | 17°R31 | 15°46 | 26°27 | 17°19 | S 20 |
| S 21 | 5 56 48 | 28°50'33 | 29°16 | 10°13 | 9° 7 | 12° 5 | 23°26 | 1°14 | 16°46 | 24°12 | 23°14 | 17°30 | 15°42 | 26°33 | 17°21 | S 21 |
| M22 | 6 0 45 | 29°51'40 | 11°11 | 11°48 | 10°23 | 11°47 | 23°39 | 1°18 | 16°49 | 24°14 | 23°15 | 17°27 | 15°39 | 26°40 | 17°22 | M22 |
| T 23 | 6 4 41 | 0°52'47 | 23° 4 | 13°23 | 11°38 | 11°29 | 23°53 | 1°23 | 16°53 | 24°16 | 23°15 | 17°22 | 15°36 | 26°47 | 17°23 | T 23 |
| W24 | 6 8 38 | 1°53'55 | 5°10 | 14°58 | 12°53 | 11°12 | 24° 7 | 1°28 | 16°56 | 24°19 | 23°15 | 17°15 | 15°33 | 26°53 | 17°25 | W24 |
| T 25 | 6 12 34 | 2°55'03 | 17°24 | 16°32 | 14° 8 | 10°56 | 24°20 | 1°33 | 17° 0 | 24°21 | 23°16 | 17° 7 | 15°30 | 27° 0 | 17°26 | T 25 |
| F 26 | 6 16 31 | 3°56'11 | 29°50 | 18° 6 | 15°23 | 10°41 | 24°34 | 1°38 | 17° 4 | 24°23 | 23°16 | 16°58 | 15°26 | 27° 6 | 17°28 | F 26 |
| S 27 | 6 20 28 | 4°57'20 | 12°26 | 19°40 | 16°39 | 10°26 | 24°47 | 1°43 | 17° 7 | 24°25 | 23°17 | 16°49 | 15°23 | 27°13 | 17°29 | S 27 |
| S 28 | 6 24 24 | 5°58'29 | 25°15 | 21°13 | 17°54 | 10°12 | 25° 1 | 1°48 | 17°11 | 24°28 | 23°17 | 16°41 | 15°20 | 27°20 | 17°31 | S 28 |
| M29 | 6 28 21 | 6°59'38 | 8°16 | 22°45 | 19° 9 | 9°59 | 25°14 | 1°53 | 17°14 | 24°30 | 23°18 | 16°35 | 15°17 | 27°26 | 17°33 | M29 |
| T 30 | 6 32 17 | 8° 0'47 | 21°31 | 24°16 | 20°24 | 9°47 | 25°28 | 1°58 | 17°18 | 24°32 | 23°18 | 16°32 | 15°14 | 27°33 | 17°34 | T 30 |
| W31 | 6 36 14 | 9°15'57 | 5°16 | 25°36 | 21°40 | 9°35 | 25°42 | 2°13 | 17°21 | 24°34 | 23°19 | 16°D30 | 15°11 | 27°40 | 17°36 | W31 |

| 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 |
| M 1 | 21s45 | 16n56 | 5n10 | 22s39 | 0s53 | 14s40 | 1n29 | 25n 9 | 2n 6 | 22s40 | 0n20 | 13s 5 | 1s42 | 22s43 | 0s 2 | 22s 4 | 1n15 | 17s16 | 15s55 | 17n 9 | 16n52 | 19n32 | 1s 5 | 4n21 | | | |
| T 2 | 21 54 | 11 43 | 4 49 | 22 59 | 0 59 | 15 3 | 1 28 | 25 9 | 2 9 | 22 41 | 0 20 | 13 4 | 1 42 | 22 43 | 0 2 | 22 4 | 1 15 | 17 15 | 15 54 | 17 9 | 16 51 | 19 35 | 1 6 | 4 21 | | | |
| W 3 | 22 3 | 5 48 | 4 11 | 23 18 | 1 5 | 15 26 | 1 27 | 25 10 | 2 11 | 22 42 | 0 20 | 13 3 | 1 42 | 22 44 | 0 2 | 22 4 | 1 15 | 17 15 | 15 54 | 17 9 | 16 50 | 19 37 | 1 6 | 4 20 | | | |
| T 4 | 22 11 | 0s33 | 3 18 | 23 36 | 1 10 | 15 48 | 1 25 | 25 10 | 2 14 | 22 43 | 0 20 | 13 2 | 1 42 | 22 44 | 0 2 | 22 4 | 1 15 | 17 15 | 15 54 | 17 10 | 16 49 | 19 40 | 1 6 | 4 20 | | | |
| F 5 | 22 20 | 7 5 | 2 11 | 23 52 | 1 16 | 16 11 | 1 23 | 25 11 | 2 16 | 22 44 | 0 20 | 13 0 | 1 42 | 22 45 | 0 2 | 22 4 | 1 14 | 17 15 | 15 53 | 17 10 | 16 48 | 19 42 | 1 6 | 4 20 | | | |
| S 6 | 22 27 | 13 24 | 0 53 | 24 8 | 1 21 | 16 32 | 1 22 | 25 11 | 2 19 | 22 46 | 0 20 | 12 59 | 1 42 | 22 45 | 0 2 | 22 4 | 1 14 | 17 14 | 15 53 | 17 10 | 16 47 | 19 44 | 1 6 | 4 19 | | | |
| S 7 | 22 34 | 19 3 | 0s29 | 24 22 | 1 26 | 16 54 | 1 20 | 25 11 | 2 21 | 22 47 | 0 20 | 12 58 | 1 42 | 22 45 | 0 2 | 22 4 | 1 14 | 17 14 | 15 53 | 17 10 | 16 46 | 19 47 | 1 6 | 4 19 | | | |
| M 8 | 22 41 | 23 31 | 1 50 | 24 34 | 1 31 | 17 14 | 1 18 | 25 11 | 2 23 | 22 48 | 0 20 | 12 57 | 1 41 | 22 46 | 0 2 | 22 5 | 1 14 | 17 14 | 15 52 | 17 10 | 16 45 | 19 49 | 1 6 | 4 19 | | | |
| T 9 | 22 48 | 26 21 | 3 3 | 24 46 | 1 36 | 17 35 | 1 16 | 25 11 | 2 26 | 22 49 | 0 20 | 12 55 | 1 41 | 22 46 | 0 2 | 22 5 | 1 14 | 17 13 | 15 52 | 17 9 | 16 45 | 19 52 | 1 7 | 4 19 | | | |
| W10 | 22 53 | 27 14 | 4 4 | 24 56 | 1 40 | 17 55 | 1 15 | 25 10 | 2 28 | 22 50 | 0 19 | 12 54 | 1 41 | 22 46 | 0 2 | 22 5 | 1 14 | 17 13 | 15 52 | 17 8 | 16 44 | 19 54 | 1 7 | 4 18 | | | |
| T 11 | 22 59 | 26 10 | 4 45 | 25 5 | 1 45 | 18 14 | 1 13 | 25 10 | 2 30 | 22 51 | 0 19 | 12 52 | 1 41 | 22 47 | 0 2 | 22 5 | 1 14 | 17 13 | 15 51 | 17 7 | 16 43 | 19 57 | 1 7 | 4 18 | | | |
| F 12 | 23 4 | 23 25 | 5 8 | 25 13 | 1 49 | 18 33 | 1 11 | 25 9 | 2 32 | 22 52 | 0 19 | 12 51 | 1 41 | 22 47 | 0 2 | 22 5 | 1 14 | 17 12 | 15 51 | 17 6 | 16 42 | 19 59 | 1 7 | 4 18 | | | |
| S 13 | 23 8 | 19 24 | 5 12 | 25 19 | 1 52 | 18 52 | 1 9 | 25 8 | 2 33 | 22 53 | 0 19 | 12 49 | 1 41 | 22 48 | 0 2 | 22 5 | 1 14 | 17 12 | 15 50 | 17 4 | 16 41 | 20 2 | 1 7 | 4 17 | | | |
| S 14 | 23 12 | 14 33 | 4 59 | 25 23 | 1 56 | 19 10 | 1 7 | 25 8 | 2 35 | 22 54 | 0 19 | 12 48 | 1 41 | 22 48 | 0 2 | 22 5 | 1 14 | 17 12 | 15 50 | 17 4 | 16 40 | 20 4 | 1 6 | 4 17 | | | |
| M15 | 23 16 | 9 13 | 4 32 | 25 27 | 1 59 | 19 27 | 1 5 | 25 7 | 2 37 | 22 55 | 0 19 | 12 46 | 1 41 | 22 48 | 0 2 | 22 5 | 1 14 | 17 11 | 15 50 | 17 3 | 16 39 | 20 6 | 1 6 | 4 17 | | | |
| T 16 | 23 19 | 3 39 | 3 52 | 25 29 | 2 2 | 19 44 | 1 3 | 25 6 | 2 38 | 22 56 | 0 19 | 12 45 | 1 41 | 22 49 | 0 2 | 22 5 | 1 14 | 17 11 | 15 49 | 17 3 | 16 38 | 20 9 | 1 6 | 4 16 | | | |
| W17 | 23 22 | 1n55 | 3 2 | 25 29 | 2 4 | 20 0 | 1 0 | 25 5 | 2 40 | 22 56 | 0 19 | 12 43 | 1 41 | 22 49 | 0 2 | 22 6 | 1 14 | 17 10 | 15 49 | 17 3 | 16 37 | 20 11 | 1 6 | 4 16 | | | |
| T 18 | 23 24 | 7 20 | 2 5 | 25 28 | 2 7 | 20 16 | 0 58 | 25 3 | 2 41 | 22 57 | 0 19 | 12 42 | 1 40 | 22 50 | 0 2 | 22 6 | 1 14 | 17 10 | 15 49 | 17 4 | 16 36 | 20 14 | 1 6 | 4 16 | | | |
| F 19 | 23 26 | 12 26 | 1 4 | 25 25 | 2 9 | 20 31 | 0 56 | 25 2 | 2 43 | 22 58 | 0 19 | 12 40 | 1 40 | 22 50 | 0 2 | 22 6 | 1 14 | 17 10 | 15 48 | 17 4 | 16 35 | 20 16 | 1 6 | 4 16 | | | |
| S 20 | 23 27 | 17 4 | 0 0 | 25 21 | 2 10 | 20 46 | 0 54 | 25 1 | 2 44 | 22 59 | 0 19 | 12 38 | 1 40 | 22 50 | 0 2 | 22 6 | 1 14 | 17 9 | 15 48 | 17 5 | 16 34 | 20 19 | 1 6 | 4 15 | | | |
| S 21 | 23 28 | 21 3 | 1n 3 | 25 15 | 2 11 | 21 0 | 0 51 | 25 0 | 2 45 | 23 0 | 0 18 | 12 37 | 1 40 | 22 51 | 0 2 | 22 6 | 1 14 | 17 9 | 15 48 | 17 4 | 16 34 | 20 21 | 1 5 | 4 15 | | | |
| M22 | 23 28 | 24 11 | 2 5 | 25 8 | 2 12 | 21 13 | 0 49 | 24 58 | 2 46 | 23 0 | 0 18 | 12 35 | 1 40 | 22 51 | 0 2 | 22 6 | 1 14 | 17 8 | 15 47 | 17 4 | 16 33 | 20 23 | 1 5 | 4 15 | | | |
| T 23 | 23 28 | 26 17 | 3 1 | 24 59 | 2 12 | 21 26 | 0 47 | 24 57 | 2 47 | 23 1 | 0 18 | 12 33 | 1 40 | 22 51 | 0 2 | 22 6 | 1 14 | 17 8 | 15 47 | 17 2 | 16 32 | 20 26 | 1 5 | 4 14 | | | |
| W24 | 23 27 | 27 11 | 3 49 | 24 48 | 2 12 | 21 38 | 0 44 | 24 55 | 2 48 | 23 2 | 0 18 | 12 31 | 1 40 | 22 52 | 0 2 | 22 6 | 1 14 | 17 7 | 15 47 | 17 0 | 16 31 | 20 28 | 1 5 | 4 14 | | | |
| T 25 | 23 26 | 26 45 | 4 27 | 24 36 | 2 11 | 21 49 | 0 42 | 24 54 | 2 49 | 23 2 | 0 18 | 12 29 | 1 40 | 22 52 | 0 2 | 22 6 | 1 14 | 17 7 | 15 46 | 16 58 | 16 30 | 20 31 | 1 4 | 4 14 | | | |
| F 26 | 23 24 | 24 59 | 4 54 | 24 23 | 2 10 | 22 0 | 0 40 | 24 53 | 2 50 | 23 3 | 0 18 | 12 28 | 1 40 | 22 52 | 0 2 | 22 6 | 1 14 | 17 6 | 15 46 | 16 55 | 16 29 | 20 33 | 1 4 | 4 13 | | | |
| S 27 | 23 22 | 21 59 | 5 6 | 24 8 | 2 8 | 22 11 | 0 37 | 24 51 | 2 51 | 23 4 | 0 18 | 12 26 | 1 40 | 22 53 | 0 2 | 22 7 | 1 14 | 17 6 | 15 46 | 16 53 | 16 28 | 20 35 | 1 4 | 4 13 | | | |
| S 28 | 23 20 | 17 53 | 5 4 | 23 51 | 2 5 | 22 20 | 0 35 | 24 50 | 2 51 | 23 4 | 0 18 | 12 24 | 1 40 | 22 53 | 0 2 | 22 7 | 1 14 | 17 5 | 15 45 | 16 50 | 16 27 | 20 38 | 1 3 | 4 13 | | | |
| M29 | 23 17 | 12 54 | 4 46 | 23 33 | 2 2 | 22 29 | 0 32 | 24 48 | 2 52 | 23 5 | 0 18 | 12 22 | 1 40 | 22 53 | 0 2 | 22 7 | 1 14 | 17 5 | 15 45 | 16 49 | 16 26 | 20 40 | 1 3 | 4 13 | | | |
| T 30 | 23 13 | 7 14 | 4 12 | 23 14 | 1 58 | 22 37 | 0 30 | 24 47 | 2 53 | 23 5 | 0 18 | 12 20 | 1 39 | 22 54 | 0 2 | 22 7 | 1 14 | 17 4 | 15 45 | 16 48 | 16 25 | 20 42 | 1 3 | 4 12 | | | |
| W31 | 23s 9 | 1n 8 | 3n24 | 22s53 | 1s54 | 22s45 | 0n27 | 24n46 | 2n53 | 23s 6 | 0n18 | 12s18 | 1s39 | 22s54 | 0s 2 | 22s 7 | 1n14 | 17s 4 | 15s44 | 16n47 | 16n24 | 20n45 | 1s 2 | 4n12 | | | |