

SWISS EPHEMERIS for the year 2191 BCE

JANUARY 2191 BCE (-2190) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | |
|------|---------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|---------------------|--------------------|-------------------|------|
| T 1 | 5 26 40 | 23 ^h 46'45 | 17 ^h 22 | 18 ^h 1 | 1 ^h 17 | 17 ^h 40 | 12 ^h 56 | 19 ^h 11 | 29 ^h 45 | 3 ^h R37 | 6 ^h 17 | 17 ^h R32 | 18 ^h 4 | 6 ^h 3 | n.a. |
| F 2 | 5 30 36 | 24 ^h 47'15 | 0 ^h 18 | 19 ^h 46 | 2 ^h 31 | 17 ^h 54 | 13 ^h 10 | 19 ^h 18 | 29 ^h 48 | 3 ^h 35 | 6 ^h 19 | 17 ^h 29 | 18 ^h 1 | 6 ^h 10 | n.a. |
| S 3 | 5 34 33 | 25 ^h 47'43 | 12 ^h 51 | 21 ^h 32 | 3 ^h 46 | 18 ^h 8 | 13 ^h 24 | 19 ^h 26 | 29 ^h 51 | 3 ^h 33 | 6 ^h 20 | 17 ^h D28 | 17 ^h 58 | 6 ^h 17 | n.a. |
| S 4 | 5 38 29 | 26 ^h 48'09 | 25 ^h 5 | 23 ^h 19 | 5 ^h 0 | 18 ^h 23 | 13 ^h 39 | 19 ^h 33 | 29 ^h 54 | 3 ^h 32 | 6 ^h 22 | 17 ^h R28 | 17 ^h 54 | 6 ^h 23 | n.a. |
| M 5 | 5 42 26 | 27 ^h 48'33 | 7 ^h 5 | 25 ^h 6 | 6 ^h 14 | 18 ^h 38 | 13 ^h 53 | 19 ^h 40 | 29 ^h 57 | 3 ^h 30 | 6 ^h 24 | 17 ^h 28 | 17 ^h 51 | 6 ^h 30 | n.a. |
| T 6 | 5 46 22 | 28 ^h 48'54 | 18 ^h 56 | 26 ^h 55 | 7 ^h 29 | 18 ^h 54 | 14 ^h 7 | 19 ^h 47 | 0 ^h 0 | 3 ^h 28 | 6 ^h 25 | 17 ^h 27 | 17 ^h 48 | 6 ^h 37 | n.a. |
| W 7 | 5 50 19 | 29 ^h 49'13 | 0 ^h 45 | 28 ^h 45 | 8 ^h 43 | 19 ^h 10 | 14 ^h 21 | 19 ^h 55 | 0 ^h 3 | 3 ^h 27 | 6 ^h 27 | 17 ^h 23 | 17 ^h 45 | 6 ^h 44 | n.a. |
| T 8 | 5 54 16 | 0 ^h 49'31 | 12 ^h 35 | 0 ^h 35 | 9 ^h 57 | 19 ^h 26 | 14 ^h 35 | 20 ^h 2 | 0 ^h 6 | 3 ^h 25 | 6 ^h 28 | 17 ^h 16 | 17 ^h 42 | 6 ^h 50 | n.a. |
| F 9 | 5 58 12 | 1 ^h 49'46 | 24 ^h 30 | 2 ^h 26 | 11 ^h 12 | 19 ^h 43 | 14 ^h 49 | 20 ^h 9 | 0 ^h 9 | 3 ^h 23 | 6 ^h 29 | 17 ^h 7 | 17 ^h 39 | 6 ^h 57 | n.a. |
| S 10 | 6 2 9 | 2 ^h 49'59 | 6 ^h 34 | 4 ^h 19 | 12 ^h 26 | 20 ^h 1 | 15 ^h 3 | 20 ^h 16 | 0 ^h 12 | 3 ^h 22 | 6 ^h 31 | 16 ^h 55 | 17 ^h 35 | 7 ^h 4 | n.a. |
| S 11 | 6 6 5 | 3 ^h 50'10 | 18 ^h 49 | 6 ^h 11 | 13 ^h 40 | 20 ^h 19 | 15 ^h 16 | 20 ^h 23 | 0 ^h 15 | 3 ^h 20 | 6 ^h 32 | 16 ^h 42 | 17 ^h 32 | 7 ^h 10 | n.a. |
| M12 | 6 10 2 | 4 ^h 50'18 | 1 ^h 15 | 8 ^h 5 | 14 ^h 55 | 20 ^h 37 | 15 ^h 30 | 20 ^h 31 | 0 ^h 18 | 3 ^h 18 | 6 ^h 34 | 16 ^h 29 | 17 ^h 29 | 7 ^h 17 | n.a. |
| T 13 | 6 13 58 | 5 ^h 50'25 | 13 ^h 54 | 9 ^h 59 | 16 ^h 9 | 20 ^h 56 | 15 ^h 44 | 20 ^h 38 | 0 ^h 22 | 3 ^h 17 | 6 ^h 35 | 16 ^h 16 | 17 ^h 26 | 7 ^h 24 | n.a. |
| W14 | 6 17 55 | 6 ^h 50'30 | 26 ^h 43 | 11 ^h 54 | 17 ^h 23 | 21 ^h 15 | 15 ^h 58 | 20 ^h 45 | 0 ^h 25 | 3 ^h 15 | 6 ^h 36 | 16 ^h 6 | 17 ^h 23 | 7 ^h 30 | n.a. |
| T 15 | 6 21 52 | 7 ^h 50'32 | 9 ^h 44 | 13 ^h 50 | 18 ^h 38 | 21 ^h 34 | 16 ^h 12 | 20 ^h 52 | 0 ^h 28 | 3 ^h 13 | 6 ^h 38 | 15 ^h 58 | 17 ^h 19 | 7 ^h 37 | n.a. |
| F 16 | 6 25 48 | 8 ^h 50'33 | 22 ^h 56 | 15 ^h 45 | 19 ^h 52 | 21 ^h 54 | 16 ^h 25 | 20 ^h 59 | 0 ^h 31 | 3 ^h 12 | 6 ^h 39 | 15 ^h 53 | 17 ^h 16 | 7 ^h 44 | n.a. |
| S 17 | 6 29 45 | 9 ^h 50'32 | 6 ^h 19 | 17 ^h 41 | 21 ^h 6 | 22 ^h 14 | 16 ^h 39 | 21 ^h 6 | 0 ^h 34 | 3 ^h 10 | 6 ^h 40 | 15 ^h 51 | 17 ^h 13 | 7 ^h 50 | n.a. |
| S 18 | 6 33 41 | 10 ^h 50'29 | 19 ^h 53 | 19 ^h 37 | 22 ^h 21 | 22 ^h 34 | 16 ^h 53 | 21 ^h 13 | 0 ^h 38 | 3 ^h 8 | 6 ^h 41 | 15 ^h D51 | 17 ^h 10 | 7 ^h 57 | n.a. |
| M19 | 6 37 38 | 11 ^h 50'24 | 3 ^h 39 | 21 ^h 32 | 23 ^h 35 | 22 ^h 55 | 17 ^h 6 | 21 ^h 20 | 0 ^h 41 | 3 ^h 7 | 6 ^h 42 | 15 ^h 51 | 17 ^h 7 | 8 ^h 4 | n.a. |
| T 20 | 6 41 34 | 12 ^h 50'17 | 17 ^h 37 | 23 ^h 26 | 24 ^h 49 | 23 ^h 16 | 17 ^h 20 | 21 ^h 27 | 0 ^h 44 | 3 ^h 5 | 6 ^h 44 | 15 ^h R51 | 17 ^h 4 | 8 ^h 11 | n.a. |
| W21 | 6 45 31 | 13 ^h 50'08 | 1 ^h 48 | 25 ^h 20 | 26 ^h 3 | 23 ^h 38 | 17 ^h 34 | 21 ^h 34 | 0 ^h 48 | 3 ^h 3 | 6 ^h 45 | 15 ^h 50 | 17 ^h 0 | 8 ^h 17 | n.a. |
| T 22 | 6 49 27 | 14 ^h 49'58 | 16 ^h 10 | 27 ^h 12 | 27 ^h 18 | 24 ^h 0 | 17 ^h 47 | 21 ^h 41 | 0 ^h 51 | 3 ^h 2 | 6 ^h 46 | 15 ^h 46 | 16 ^h 57 | 8 ^h 24 | n.a. |
| F 23 | 6 53 24 | 15 ^h 49'45 | 0 ^h 40 | 29 ^h 3 | 28 ^h 32 | 24 ^h 22 | 18 ^h 1 | 21 ^h 48 | 0 ^h 54 | 3 ^h 0 | 6 ^h 47 | 15 ^h 40 | 16 ^h 54 | 8 ^h 31 | n.a. |
| S 24 | 6 57 21 | 16 ^h 49'31 | 15 ^h 13 | 0 ^h 51 | 29 ^h 46 | 24 ^h 44 | 18 ^h 14 | 21 ^h 55 | 0 ^h 58 | 2 ^h 59 | 6 ^h 48 | 15 ^h 32 | 16 ^h 51 | 8 ^h 37 | n.a. |
| S 25 | 7 1 17 | 17 ^h 49'15 | 29 ^h 43 | 2 ^h 37 | 1 ^h 0 | 25 ^h 7 | 18 ^h 27 | 22 ^h 1 | 1 ^h 1 | 2 ^h 57 | 6 ^h 49 | 15 ^h 23 | 16 ^h 48 | 8 ^h 44 | n.a. |
| M26 | 7 5 14 | 18 ^h 48'57 | 14 ^h 3 | 4 ^h 20 | 2 ^h 14 | 25 ^h 30 | 18 ^h 41 | 22 ^h 8 | 1 ^h 4 | 2 ^h 55 | 6 ^h 50 | 15 ^h 13 | 16 ^h 45 | 8 ^h 51 | n.a. |
| T 27 | 7 9 10 | 19 ^h 48'36 | 28 ^h 7 | 5 ^h 59 | 3 ^h 29 | 25 ^h 53 | 18 ^h 54 | 22 ^h 15 | 1 ^h 8 | 2 ^h 54 | 6 ^h 51 | 15 ^h 5 | 16 ^h 41 | 8 ^h 57 | n.a. |
| W28 | 7 13 7 | 20 ^h 48'13 | 11 ^h 50 | 7 ^h 34 | 4 ^h 43 | 26 ^h 17 | 19 ^h 7 | 22 ^h 22 | 1 ^h 11 | 2 ^h 52 | 6 ^h 52 | 14 ^h 58 | 16 ^h 38 | 9 ^h 4 | n.a. |
| T 29 | 7 17 3 | 21 ^h 47'48 | 25 ^h 9 | 9 ^h 5 | 5 ^h 57 | 26 ^h 41 | 19 ^h 20 | 22 ^h 28 | 1 ^h 14 | 2 ^h 51 | 6 ^h 53 | 14 ^h 54 | 16 ^h 35 | 9 ^h 11 | n.a. |
| F 30 | 7 21 0 | 22 ^h 47'21 | 8 ^h 6 | 10 ^h 31 | 7 ^h 11 | 27 ^h 5 | 19 ^h 33 | 22 ^h 35 | 1 ^h 18 | 2 ^h 49 | 6 ^h 53 | 14 ^h 52 | 16 ^h 32 | 9 ^h 17 | n.a. |
| S 31 | 7 24 56 | 23 ^h 46'51 | 20 ^h 40 | 11 ^h 51 | 8 ^h 25 | 27 ^h 29 | 19 ^h 46 | 22 ^h 42 | 1 ^h 21 | 2 ^h 47 | 6 ^h 54 | 14 ^h D52 | 16 ^h 29 | 9 ^h 24 | n.a. |

Delta T = 14h51m28s Julian Calendar 1 Jan. 2191 BCE == Greg. Calendar 14 Dec. 2192 BCE
 The year -2190 astronomical counting style corresponds to year 2191 B.C.E historical counting style.

FEBRUARY 2191 BCE (-2190) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | |
|------|---------|-----------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|-------------------|---------------------|--------------------|--------------------|------|
| S 1 | 7 28 53 | 24 ^h 46'18 | 2 ^h 57 | 13 ^h 5 | 9 ^h 39 | 27 ^h 54 | 19 ^h 59 | 22 ^h 48 | 1 ^h 24 | 2 ^h R46 | 6 ^h 55 | 14 ^h 53 | 16 ^h 25 | 9 ^h 31 | n.a. |
| M 2 | 7 32 50 | 25 ^h 45'43 | 15 ^h 0 | 14 ^h 13 | 10 ^h 54 | 28 ^h 19 | 20 ^h 12 | 22 ^h 55 | 1 ^h 28 | 2 ^h 44 | 6 ^h 56 | 14 ^h 54 | 16 ^h 22 | 9 ^h 38 | n.a. |
| T 3 | 7 36 46 | 26 ^h 45'05 | 26 ^h 54 | 15 ^h 14 | 12 ^h 8 | 28 ^h 44 | 20 ^h 25 | 23 ^h 1 | 1 ^h 31 | 2 ^h 43 | 6 ^h 57 | 14 ^h R55 | 16 ^h 19 | 9 ^h 44 | n.a. |
| W 4 | 7 40 43 | 27 ^h 44'25 | 8 ^h 45 | 16 ^h 8 | 13 ^h 22 | 29 ^h 9 | 20 ^h 38 | 23 ^h 8 | 1 ^h 35 | 2 ^h 41 | 6 ^h 57 | 14 ^h 54 | 16 ^h 16 | 9 ^h 51 | n.a. |
| T 5 | 7 44 39 | 28 ^h 43'43 | 20 ^h 37 | 16 ^h 55 | 14 ^h 36 | 29 ^h 35 | 20 ^h 51 | 23 ^h 14 | 1 ^h 38 | 2 ^h 40 | 6 ^h 58 | 14 ^h 51 | 16 ^h 13 | 9 ^h 58 | n.a. |
| F 6 | 7 48 36 | 29 ^h 42'58 | 2 ^h 35 | 17 ^h 35 | 15 ^h 50 | 0 ^h 1 | 21 ^h 3 | 23 ^h 21 | 1 ^h 42 | 2 ^h 38 | 6 ^h 59 | 14 ^h 47 | 16 ^h 10 | 10 ^h 4 | n.a. |
| S 7 | 7 52 32 | 0 ^h 42'11 | 14 ^h 44 | 18 ^h 7 | 17 ^h 4 | 0 ^h 27 | 21 ^h 16 | 23 ^h 27 | 1 ^h 45 | 2 ^h 37 | 6 ^h 59 | 14 ^h 41 | 16 ^h 6 | 10 ^h 11 | n.a. |
| S 8 | 7 56 29 | 1 ^h 41'21 | 27 ^h 6 | 18 ^h 31 | 18 ^h 18 | 0 ^h 53 | 21 ^h 28 | 23 ^h 33 | 1 ^h 48 | 2 ^h 36 | 7 ^h 0 | 14 ^h 33 | 16 ^h 3 | 10 ^h 18 | n.a. |
| M 9 | 8 0 25 | 2 ^h 40'29 | 9 ^h 43 | 18 ^h 48 | 19 ^h 32 | 1 ^h 20 | 21 ^h 41 | 23 ^h 39 | 1 ^h 52 | 2 ^h 34 | 7 ^h 0 | 14 ^h 26 | 16 ^h 0 | 10 ^h 24 | n.a. |
| T 10 | 8 4 22 | 3 ^h 39'34 | 22 ^h 36 | 18 ^h 57 | 20 ^h 46 | 1 ^h 46 | 21 ^h 53 | 23 ^h 46 | 1 ^h 55 | 2 ^h 33 | 7 ^h 1 | 14 ^h 18 | 15 ^h 57 | 10 ^h 31 | n.a. |
| W11 | 8 8 19 | 4 ^h 38'38 | 5 ^h 45 | 18 ^h R58 | 22 ^h 0 | 2 ^h 13 | 22 ^h 6 | 23 ^h 52 | 1 ^h 59 | 2 ^h 31 | 7 ^h 1 | 14 ^h 12 | 15 ^h 54 | 10 ^h 38 | n.a. |
| T 12 | 8 12 15 | 5 ^h 37'39 | 19 ^h 8 | 18 ^h 52 | 23 ^h 14 | 2 ^h 40 | 22 ^h 18 | 23 ^h 58 | 2 ^h 2 | 2 ^h 30 | 7 ^h 2 | 14 ^h 8 | 15 ^h 51 | 10 ^h 45 | n.a. |
| F 13 | 8 16 12 | 6 ^h 36'37 | 2 ^h 44 | 18 ^h 39 | 24 ^h 28 | 3 ^h 8 | 22 ^h 30 | 24 ^h 4 | 2 ^h 5 | 2 ^h 29 | 7 ^h 2 | 14 ^h 6 | 15 ^h 47 | 10 ^h 51 | n.a. |
| S 14 | 8 20 8 | 7 ^h 35'34 | 16 ^h 31 | 18 ^h 20 | 25 ^h 42 | 3 ^h 35 | 22 ^h 42 | 24 ^h 10 | 2 ^h 9 | 2 ^h 27 | 7 ^h 3 | 14 ^h D 5 | 15 ^h 44 | 10 ^h 58 | n.a. |
| S 15 | 8 24 5 | 8 ^h 34'29 | 0 ^h 27 | 17 ^h 55 | 26 ^h 56 | 4 ^h 3 | 22 ^h 54 | 24 ^h 16 | 2 ^h 12 | 2 ^h 26 | 7 ^h 3 | 14 ^h 6 | 15 ^h 41 | 11 ^h 5 | n.a. |
| M16 | 8 28 1 | 9 ^h 33'21 | 14 ^h 29 | 17 ^h 24 | 28 ^h 10 | 4 ^h 31 | 23 ^h 6 | 24 ^h 22 | 2 ^h 16 | 2 ^h 25 | 7 ^h 3 | 14 ^h 8 | 15 ^h 38 | 11 ^h 11 | n.a. |
| T 17 | 8 31 58 | 10 ^h 32'12 | 28 ^h 36 | 16 ^h 48 | 29 ^h 24 | 4 ^h 59 | 23 ^h 18 | 24 ^h 27 | 2 ^h 19 | 2 ^h 24 | 7 ^h 3 | 14 ^h 9 | 15 ^h 35 | 11 ^h 18 | n.a. |
| W18 | 8 35 54 | 11 ^h 31'01 | 12 ^h 46 | 16 ^h 8 | 0 ^h 38 | 5 ^h 27 | 23 ^h 30 | 24 ^h 33 | 2 ^h 22 | 2 ^h 22 | 7 ^h 4 | 14 ^h R 9 | 15 ^h 31 | 11 ^h 25 | n.a. |
| T 19 | 8 39 51 | 12 ^h 29'48 | 26 ^h 58 | 15 ^h 26 | 1 ^h 52 | 5 ^h 55 | 23 ^h 41 | 24 ^h 39 | 2 ^h 26 | 2 ^h 21 | 7 ^h 4 | 14 ^h 9 | 15 ^h 28 | 11 ^h 31 | |

SWISS EPHEMERIS for the year 2191 BCE

MARCH 2191 BCE (-2190) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | |
|------|----------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------|
| S 1 | 9 19 17 | 22 [♌] 15'50 | 10 [♍] 46 | 8 [♋] R32 | 14 [♌] 12 | 10 [♉] 48 | 25 [♊] 33 | 25 [♊] 33 | 2 [♋] 59 | 2 [♋] R10 | 7 [♋] R 4 | 13 [♌] 48 | 14 [♌] 57 | 12 [♉] 38 | n.a. |
| M 2 | 9 23 13 | 23°14'14 | 22°49 | 8 [♋] 8 | 15°26 | 11°18 | 25°44 | 25°38 | 3° 2 | 2 [♋] 10 | 7 [♋] 4 | 13°50 | 14°53 | 12°45 | n.a. |
| T 3 | 9 27 10 | 24°12'36 | 4 [♌] 44 | 7°48 | 16°40 | 11°48 | 25°55 | 25°43 | 3° 5 | 2° 9 | 7° 4 | 13°51 | 14°50 | 12°52 | n.a. |
| W 4 | 9 31 6 | 25°10'56 | 16°36 | 7°34 | 17°54 | 12°18 | 26° 5 | 25°47 | 3° 9 | 2° 8 | 7° 4 | 13°52 | 14°47 | 12°59 | n.a. |
| T 5 | 9 35 3 | 26° 9'14 | 28°29 | 7°24 | 19° 8 | 12°49 | 26°16 | 25°52 | 3°12 | 2° 7 | 7° 4 | 13°R52 | 14°44 | 13° 5 | n.a. |
| F 6 | 9 38 59 | 27° 7'29 | 10 [♌] 29 | 7°D20 | 20°21 | 13°19 | 26°26 | 25°57 | 3°15 | 2° 6 | 7° 4 | 13°52 | 14°41 | 13°12 | n.a. |
| S 7 | 9 42 56 | 28° 5'42 | 22°38 | 7°21 | 21°35 | 13°50 | 26°36 | 26° 2 | 3°18 | 2° 5 | 7° 3 | 13°50 | 14°37 | 13°19 | n.a. |
| S 8 | 9 46 52 | 29° 3'53 | 5 [♌] 3 | 7°27 | 22°49 | 14°21 | 26°46 | 26° 6 | 3°21 | 2° 5 | 7° 3 | 13°49 | 14°34 | 13°25 | n.a. |
| M 9 | 9 50 49 | 0 [♌] 2'02 | 17°45 | 7°37 | 24° 3 | 14°52 | 26°56 | 26°11 | 3°25 | 2° 4 | 7° 3 | 13°47 | 14°31 | 13°32 | n.a. |
| T 10 | 9 54 45 | 1° 0'09 | 0 [♌] 47 | 7°53 | 25°17 | 15°23 | 27° 6 | 26°15 | 3°28 | 2° 3 | 7° 2 | 13°45 | 14°28 | 13°39 | n.a. |
| W11 | 9 58 42 | 1°58'13 | 14°10 | 8°13 | 26°31 | 15°54 | 27°16 | 26°20 | 3°31 | 2° 2 | 7° 2 | 13°43 | 14°25 | 13°45 | n.a. |
| T 12 | 10 2 39 | 2°56'16 | 27°52 | 8°37 | 27°44 | 16°25 | 27°25 | 26°24 | 3°34 | 2° 2 | 7° 1 | 13°43 | 14°22 | 13°52 | n.a. |
| F 13 | 10 6 35 | 3°54'17 | 11 [♌] 52 | 9° 6 | 28°58 | 16°56 | 27°35 | 26°28 | 3°37 | 2° 1 | 7° 1 | 13°D42 | 14°18 | 13°59 | n.a. |
| S 14 | 10 10 32 | 4°52'16 | 26° 6 | 9°39 | 0 [♌] 12 | 17°28 | 27°44 | 26°32 | 3°40 | 2° 1 | 7° 0 | 13°42 | 14°15 | 14° 6 | n.a. |
| S 15 | 10 14 28 | 5°50'13 | 10 [♌] 29 | 10°16 | 1°26 | 18° 0 | 27°53 | 26°36 | 3°43 | 2° 0 | 7° 0 | 13°43 | 14°12 | 14°12 | n.a. |
| M16 | 10 18 25 | 6°48'08 | 24°56 | 10°57 | 2°40 | 18°31 | 28° 2 | 26°40 | 3°46 | 2° 0 | 6°59 | 13°43 | 14° 9 | 14°19 | n.a. |
| T 17 | 10 22 21 | 7°46'02 | 9 [♌] 22 | 11°41 | 3°53 | 19° 3 | 28°11 | 26°44 | 3°49 | 1°59 | 6°59 | 13°44 | 14° 6 | 14°26 | n.a. |
| W18 | 10 26 18 | 8°43'55 | 23°45 | 12°29 | 5° 7 | 19°35 | 28°20 | 26°48 | 3°52 | 1°59 | 6°58 | 13°44 | 14° 2 | 14°32 | n.a. |
| T 19 | 10 30 14 | 9°41'46 | 7 [♌] 59 | 13°21 | 6°21 | 20° 7 | 28°29 | 26°52 | 3°55 | 1°58 | 6°58 | 13°R45 | 13°59 | 14°39 | n.a. |
| F 20 | 10 34 11 | 10°39'36 | 22° 3 | 14°15 | 7°35 | 20°39 | 28°38 | 26°55 | 3°58 | 1°58 | 6°57 | 13°44 | 13°56 | 14°46 | n.a. |
| S 21 | 10 38 8 | 11°37'25 | 5 [♌] 55 | 15°13 | 8°49 | 21°11 | 28°46 | 26°59 | 4° 1 | 1°57 | 6°56 | 13°44 | 13°53 | 14°53 | n.a. |
| S 22 | 10 42 4 | 12°35'12 | 19°34 | 16°14 | 10° 2 | 21°44 | 28°55 | 27° 2 | 4° 4 | 1°57 | 6°56 | 13°44 | 13°50 | 14°59 | n.a. |
| M23 | 10 46 1 | 13°32'58 | 3 [♌] 0 | 17°18 | 11°16 | 22°16 | 29° 3 | 27° 6 | 4° 6 | 1°57 | 6°55 | 13°D44 | 13°47 | 15° 6 | n.a. |
| T 24 | 10 49 57 | 14°30'42 | 16°12 | 18°24 | 12°30 | 22°48 | 29°11 | 27° 9 | 4° 9 | 1°56 | 6°54 | 13°44 | 13°43 | 15°13 | n.a. |
| W25 | 10 53 54 | 15°28'25 | 29°10 | 19°34 | 13°44 | 23°21 | 29°19 | 27°12 | 4°12 | 1°56 | 6°53 | 13°44 | 13°40 | 15°19 | n.a. |
| T 26 | 10 57 50 | 16°26'06 | 11 [♌] 54 | 20°45 | 14°57 | 23°54 | 29°27 | 27°15 | 4°15 | 1°56 | 6°52 | 13°R44 | 13°37 | 15°26 | n.a. |
| F 27 | 11 1 47 | 17°23'46 | 24°25 | 22° 0 | 16°11 | 24°26 | 29°34 | 27°18 | 4°17 | 1°56 | 6°52 | 13°44 | 13°34 | 15°33 | n.a. |
| S 28 | 11 5 43 | 18°21'24 | 6 [♌] 44 | 23°17 | 17°25 | 24°59 | 29°42 | 27°21 | 4°20 | 1°56 | 6°51 | 13°44 | 13°31 | 15°39 | n.a. |
| S 29 | 11 9 40 | 19°19'01 | 18°53 | 24°36 | 18°39 | 25°32 | 29°49 | 27°24 | 4°23 | 1°56 | 6°50 | 13°43 | 13°28 | 15°46 | n.a. |
| M30 | 11 13 37 | 20°16'36 | 0 [♌] 53 | 25°58 | 19°52 | 26° 5 | 29°57 | 27°27 | 4°25 | 1°55 | 6°49 | 13°43 | 13°24 | 15°53 | n.a. |
| T 31 | 11 17 33 | 21 [♌] 14'09 | 12 [♌] 47 | 27°22 | 21 [♌] 6 | 26°38 | 0 [♌] 4 | 27 [♌] 30 | 4°28 | 1°55 | 6 [♌] 48 | 13 [♌] 42 | 13 [♌] 21 | 16° 0 | n.a. |

Delta T = 14h51m24s Julian Calendar 1 March 2191 BCE == Greg. Calendar 11 Feb. 2191 BCE
 The year -2190 astronomical counting style corresponds to year 2191 B.C.E historical counting style.

APRIL 2191 BCE (-2190) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | |
|------|----------|-----------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|-------------------|-------|-------------------|--------------------|--------------------|--------------------|------|
| W 1 | 11 21 30 | 22 [♌] 11'41 | 24 [♌] 39 | 28 [♌] 49 | 22 [♌] 20 | 27 [♌] 12 | 0 [♌] 11 | 27 [♌] 32 | 4 [♌] 30 | 1°D55 | 6°R47 | 13°R41 | 13 [♌] 18 | 16 [♌] 6 | n.a. |
| T 2 | 11 25 26 | 23° 9'12 | 6 [♌] 32 | 0 [♌] 18 | 23°33 | 27°45 | 0°17 | 27°35 | 4°33 | 1°55 | 6 [♌] 46 | 13 [♌] 40 | 13°15 | 16°13 | n.a. |
| F 3 | 11 29 23 | 24° 6'40 | 18°30 | 1°49 | 24°47 | 28°18 | 0°24 | 27°37 | 4°35 | 1°56 | 6°45 | 13°D39 | 13°12 | 16°20 | n.a. |
| S 4 | 11 33 19 | 25° 4'08 | 0 [♌] 38 | 3°22 | 26° 1 | 28°52 | 0°31 | 27°39 | 4°38 | 1°56 | 6°44 | 13°39 | 13° 8 | 16°26 | n.a. |
| S 5 | 11 37 16 | 26° 1'34 | 13° 1 | 4°58 | 27°15 | 29°25 | 0°37 | 27°42 | 4°40 | 1°56 | 6°43 | 13°40 | 13° 5 | 16°33 | n.a. |
| M 6 | 11 41 12 | 26°58'58 | 25°42 | 6°36 | 28°28 | 29°59 | 0°43 | 27°44 | 4°43 | 1°56 | 6°42 | 13°41 | 13° 2 | 16°40 | n.a. |
| T 7 | 11 45 9 | 27°56'21 | 8 [♌] 46 | 8°16 | 29°42 | 0 [♌] 33 | 0°49 | 27°46 | 4°45 | 1°56 | 6°41 | 13°42 | 12°59 | 16°47 | n.a. |
| W 8 | 11 49 6 | 28°53'42 | 22°13 | 9°58 | 0 [♌] 56 | 1° 6 | 0°55 | 27°48 | 4°47 | 1°56 | 6°40 | 13°43 | 12°56 | 16°53 | n.a. |
| T 9 | 11 53 2 | 29°51'02 | 6 [♌] 6 | 11°43 | 2° 9 | 1°40 | 1° 1 | 27°49 | 4°50 | 1°56 | 6°39 | 13°44 | 12°53 | 17° 0 | n.a. |
| F 10 | 11 56 59 | 0 [♌] 48'21 | 20°21 | 13°30 | 3°23 | 2°14 | 1° 6 | 27°51 | 4°52 | 1°57 | 6°37 | 13°R44 | 12°49 | 17° 7 | n.a. |
| S 11 | 12 0 55 | 1°45'38 | 4 [♌] 56 | 15°19 | 4°37 | 2°48 | 1°12 | 27°53 | 4°54 | 1°57 | 6°36 | 13°43 | 12°46 | 17°13 | n.a. |
| S 12 | 12 4 52 | 2°42'55 | 19°44 | 17°10 | 5°50 | 3°22 | 1°17 | 27°54 | 4°56 | 1°57 | 6°35 | 13°41 | 12°43 | 17°20 | n.a. |
| M13 | 12 8 48 | 3°40'10 | 4 [♌] 38 | 19° 3 | 7° 4 | 3°56 | 1°22 | 27°56 | 4°58 | 1°58 | 6°34 | 13°39 | 12°40 | 17°27 | n.a. |
| T 14 | 12 12 45 | 4°37'25 | 19°29 | 20°59 | 8°17 | 4°31 | 1°27 | 27°57 | 5° 1 | 1°58 | 6°33 | 13°36 | 12°37 | 17°34 | n.a. |
| W15 | 12 16 41 | 5°34'39 | 4 [♌] 10 | 22°57 | 9°31 | 5° 5 | 1°32 | 27°59 | 5° 3 | 1°59 | 6°31 | 13°34 | 12°33 | 17°40 | n.a. |
| T 16 | 12 20 38 | 6°31'53 | 18°37 | 24°56 | 10°45 | 5°39 | 1°36 | 28° 0 | 5° 5 | 1°59 | 6°30 | 13°32 | 12°30 | 17°47 | n.a. |
| F 17 | 12 24 34 | 7°29'05 | 2 [♌] 44 | 26°58 | 11°58 | 6°13 | 1°41 | 28° 1 | 5° 7 | 2° 0 | 6°29 | 13°D31 | 12°27 | 17°54 | n.a. |
| S 18 | 12 28 31 | 8°26'18 | 16°31 | 29° 1 | 13°12 | 6°48 | 1°45 | 28° 2 | 5° 9 | 2° 0 | 6°27 | 13°31 | 12°24 | 18° 0 | n.a. |
| S 19 | 12 32 28 | 9°23'30 | 29°58 | 1 [♌] 6 | 14°26 | 7°22 | 1°49 | 28° 3 | 5°10 | 2° 1 | 6°26 | 13°32 | 12°21 | 18° 7 | n.a. |
| M20 | 12 36 24 | 10°20'41 | 13 [♌] 7 | 3°13 | 15°39 | 7°57 | 1°53 | 28° 3 | 5°12 | 2° 1 | 6°25 | 13°34 | 12°18 | 18°14 | n.a. |
| T 21 | 12 40 21 | 11°17'51 | 25°59 | 5°21 | 16°53 | 8°32 | 1°57 | 28° 4 | 5°14 | 2° 2 | 6°23 | 13°35 | 12°14 | 18°21 | n.a. |
| W22 | 12 44 17 | 12°15'02 | 8 [♌] 37 | 7°30 | 18° 7 | 9° 7 | 2° 0 | 28° 5 | 5°16 | 2° 3 | 6°22 | 13°R36 | 12°11 | 18°27 | n.a. |
| T 23 | 12 48 14 | 13°12'11 | 21° 3 | 9°40 | 19°20 | 9°41 | 2° 3 | 28° 5 | 5°18 | 2° 3 | 6°21 | 13°36 | 12° 8 | 18°34 | n.a. |
| F 24 | 12 52 10 | 14° 9'20 | 3 [♌] 18 | 11°51 | 20°34 | 10°16 | 2° 7 | 28° 5 | 5°19 | 2° 4 | 6°19 | 13°35 | 12° 5 | 18°41 | n.a. |
| S 25 | 12 56 7 | 15° 6'28 | 15°26 | 14° 3 | 21°47 | 10°51 | 2°10 | 28° 6 | 5°21 | 2° 5 | 6°18 | 13°31 | 12° 2 | 18°47 | n.a. |
| S 26 | 13 0 3 | 16° 3'36 | 27°26 | 16°14 | 23° 1 | 11°26 | 2°12 | 28° 6 | 5°23 | 2° 6 | 6°17 | 13°27 | 11°59 | 18°54 | n.a. |
| M27 | 13 4 0 | 17° 0'43 | 9 [♌] 21 | 18°26 | 24°15 | 12° 1 | 2°15 | 28°R 6 | 5°24 | 2° 6 | 6°15 | 13°21 | 11°55 | 19° 1 | n.a. |
| T 28 | 13 7 57 | 17°57'50 | 21°14 | 20°37 | 25°28 | 12°36 | 2°17 | 28° 6 | 5°26 | 2° 7 | 6°14 | 13°15 | 11°52 | 19° 7 | n.a. |
| W29 | 13 11 53 | 18°54'56 | 3 [♌] 5 | 22°47 | 26°42 | 13°12 | 2°20 | 28° 6 | 5°27 | 2° 8 | 6°12 | 13° 9 | 11°49 | 19°14 | n.a. |
| T 30 | 13 15 50 | 19 [♌] 52'01 | 14 [♌] 58 | 24 [♌] 57 | 27 [♌] 56 | 13 [♌] 47 | 2°22 | 28 [♌] 6 | 5°29 | 2° 9 | 6 [♌] 11 | 13 [♌] 4 | 11 [♌] 46 | 19 [♌] 21 | n.a. |

Delta T = 14h51m21s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2191 BCE

MAY 2191 BCE (-2190) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|-----------|----------|----------|------|---|---|
| F 1 | 13 19 46 | 20°49'05 | 26°11'55 | 27°09' 5 | 29°09' 9 | 14°11'22 | 2°23'23 | 28°R 5 | 5°30'30 | 2°58'10 | 6°R 9 | 13°R 0 | 11°11'43 | 19°18'28 | n.a. | | |
| S 2 | 13 23 43 | 21°46'10 | 9°58' 2 | 29°12' 2 | 0°8'23 | 14°58' 2 | 2°25' 2 | 28°A 5 | 5°31' 2 | 2°11' 2 | 6°M 8 | 12°11'57 | 11°39' 2 | 19°34' 2 | n.a. | | |
| S 3 | 13 27 39 | 22°43'13 | 21°22' 2 | 1°18'18 | 1°36' 2 | 15°33' 2 | 2°27' 2 | 28° 4 | 5°33' 2 | 2°12' 2 | 6° 6 | 12°D56 | 11°36' 2 | 19°41' 2 | n.a. | | |
| M 4 | 13 31 36 | 23°40'16 | 3°05'59 | 3°22' 2 | 2°50' 2 | 16° 9 | 2°28' 2 | 28° 4 | 5°34' 2 | 2°13' 2 | 6° 5 | 12°57' 2 | 11°33' 2 | 19°48' 2 | n.a. | | |
| T 5 | 13 35 32 | 24°37'18 | 16°58' 2 | 5°24' 4 | 4° 4 | 16°44' 2 | 2°29' 2 | 28° 3 | 5°35' 2 | 2°14' 2 | 6° 3 | 12°58' 2 | 11°30' 2 | 19°54' 2 | n.a. | | |
| W 6 | 13 39 29 | 25°34'20 | 0°11'23 | 7°25' 2 | 5°17' 2 | 17°20' 2 | 2°30' 2 | 28° 2 | 5°36' 2 | 2°15' 2 | 6° 2 | 12°59' 2 | 11°27' 2 | 20° 1 | n.a. | | |
| T 7 | 13 43 26 | 26°31'21 | 14°15' 2 | 9°24' 2 | 6°31' 2 | 17°55' 2 | 2°31' 2 | 28° 1 | 5°37' 2 | 2°16' 2 | 6° 0 | 13°R 0 | 11°24' 2 | 20° 8 | n.a. | | |
| F 8 | 13 47 22 | 27°28'22 | 28°34' 2 | 11°20' 2 | 7°44' 2 | 18°31' 2 | 2°31' 2 | 28° 0 | 5°39' 2 | 2°17' 2 | 5°59' 2 | 12°59' 2 | 11°20' 2 | 20°15' 2 | n.a. | | |
| S 9 | 13 51 19 | 28°25'22 | 13°18'18 | 13°15' 2 | 8°58' 2 | 19° 7 | 2°32' 2 | 27°59' 2 | 5°40' 2 | 2°19' 2 | 5°57' 2 | 12°56' 2 | 11°17' 2 | 20°21' 2 | n.a. | | |
| S 10 | 13 55 15 | 29°22'22 | 28°20' 2 | 15° 7 | 10°12' 2 | 19°43' 2 | 2°R32' 2 | 27°58' 2 | 5°41' 2 | 2°20' 2 | 5°56' 2 | 12°51' 2 | 11°14' 2 | 20°28' 2 | n.a. | | |
| M11 | 13 59 12 | 0°19'22 | 13°11'33 | 16°57' 2 | 11°25' 2 | 20°19' 2 | 2°32' 2 | 27°57' 2 | 5°42' 2 | 2°21' 2 | 5°54' 2 | 12°45' 2 | 11°11' 2 | 20°35' 2 | n.a. | | |
| T 12 | 14 3 8 | 1°16'23 | 28°44' 2 | 18°45' 2 | 12°39' 2 | 20°55' 2 | 2°31' 2 | 27°55' 2 | 5°42' 2 | 2°22' 2 | 5°53' 2 | 12°38' 2 | 11° 8 | 20°41' 2 | n.a. | | |
| W13 | 14 7 5 | 2°13'23 | 13°17'45 | 20°32' 2 | 13°52' 2 | 21°31' 2 | 2°31' 2 | 27°54' 2 | 5°43' 2 | 2°23' 2 | 5°51' 2 | 12°31' 2 | 11° 4 | 20°48' 2 | n.a. | | |
| T 14 | 14 11 1 | 3°10'24 | 28°27' 2 | 22°15' 2 | 15° 6 | 22° 7 | 2°30' 2 | 27°52' 2 | 5°44' 2 | 2°25' 2 | 5°50' 2 | 12°26' 2 | 11° 1 | 20°55' 2 | n.a. | | |
| F 15 | 14 14 58 | 4° 7'25 | 12°38'45 | 23°57' 2 | 16°19' 2 | 22°43' 2 | 2°30' 2 | 27°51' 2 | 5°45' 2 | 2°26' 2 | 5°48' 2 | 12°22' 2 | 10°58' 2 | 21° 2 | n.a. | | |
| S 16 | 14 18 54 | 5° 4'26 | 26°35' 2 | 25°37' 2 | 17°33' 2 | 23°19' 2 | 2°29' 2 | 27°49' 2 | 5°46' 2 | 2°27' 2 | 5°47' 2 | 12°20' 2 | 10°55' 2 | 21° 8 | n.a. | | |
| S 17 | 14 22 51 | 6° 1'28 | 10°18' 2 | 27°14' 2 | 18°47' 2 | 23°55' 2 | 2°27' 2 | 27°47' 2 | 5°46' 2 | 2°29' 2 | 5°45' 2 | 12°D20' 2 | 10°52' 2 | 21°15' 2 | n.a. | | |
| M18 | 14 26 48 | 6°58'30 | 23° 2 | 28°49' 2 | 20° 0 | 24°32' 2 | 2°26' 2 | 27°45' 2 | 5°47' 2 | 2°30' 2 | 5°43' 2 | 12°20' 2 | 10°49' 2 | 21°22' 2 | n.a. | | |
| T 19 | 14 30 44 | 7°55'33 | 5°11'43 | 0°11'22 | 21°14' 2 | 25° 8 | 2°24' 2 | 27°43' 2 | 5°47' 2 | 2°32' 2 | 5°42' 2 | 12°21' 2 | 10°45' 2 | 21°29' 2 | n.a. | | |
| W20 | 14 34 41 | 8°52'36 | 18° 9 | 1°53' 2 | 22°27' 2 | 25°45' 2 | 2°23' 2 | 27°41' 2 | 5°48' 2 | 2°33' 2 | 5°40' 2 | 12°R21' 2 | 10°42' 2 | 21°35' 2 | n.a. | | |
| T 21 | 14 38 37 | 9°49'40 | 0°11'22 | 3°22' 2 | 23°41' 2 | 26°21' 2 | 2°21' 2 | 27°39' 2 | 5°48' 2 | 2°35' 2 | 5°39' 2 | 12°19' 2 | 10°39' 2 | 21°42' 2 | n.a. | | |
| F 22 | 14 42 34 | 10°46'44 | 12°26' 2 | 4°48' 2 | 24°54' 2 | 26°58' 2 | 2°19' 2 | 27°36' 2 | 5°49' 2 | 2°36' 2 | 5°37' 2 | 12°15' 2 | 10°36' 2 | 21°49' 2 | n.a. | | |
| S 23 | 14 46 30 | 11°43'48 | 24°24' 2 | 6°12' 2 | 26° 8 | 27°34' 2 | 2°16' 2 | 27°34' 2 | 5°49' 2 | 2°38' 2 | 5°36' 2 | 12° 9 | 10°33' 2 | 21°55' 2 | n.a. | | |
| S 24 | 14 50 27 | 12°40'53 | 6°18'19 | 7°34' 2 | 27°22' 2 | 28°11' 2 | 2°14' 2 | 27°32' 2 | 5°49' 2 | 2°39' 2 | 5°34' 2 | 12° 0 | 10°30' 2 | 22° 2 | n.a. | | |
| M25 | 14 54 23 | 13°37'58 | 18°11' 2 | 8°53' 2 | 28°35' 2 | 28°48' 2 | 2°11' 2 | 27°29' 2 | 5°50' 2 | 2°41' 2 | 5°33' 2 | 11°50' 2 | 10°26' 2 | 22° 9 | n.a. | | |
| T 26 | 14 58 20 | 14°35'04 | 0°11' 2 | 10°10' 2 | 29°49' 2 | 29°24' 2 | 2° 8 | 27°26' 2 | 5°50' 2 | 2°42' 2 | 5°31' 2 | 11°38' 2 | 10°23' 2 | 22°16' 2 | n.a. | | |
| W27 | 15 2 17 | 15°32'11 | 11°54' 2 | 11°25' 2 | 1°11' 2 | 0°11' 2 | 2° 5 | 27°24' 2 | 5°50' 2 | 2°44' 2 | 5°30' 2 | 11°26' 2 | 10°20' 2 | 22°22' 2 | n.a. | | |
| T 28 | 15 6 13 | 16°29'17 | 23°50' 2 | 12°37' 2 | 2°16' 2 | 0°38' 2 | 2° 2 | 27°21' 2 | 5°50' 2 | 2°46' 2 | 5°28' 2 | 11°16' 2 | 10°17' 2 | 22°29' 2 | n.a. | | |
| F 29 | 15 10 10 | 17°26'25 | 5°11'50 | 13°47' 2 | 3°29' 2 | 1°15' 2 | 1°58' 2 | 27°18' 2 | 5°50' 2 | 2°47' 2 | 5°27' 2 | 11° 7 | 10°14' 2 | 22°36' 2 | n.a. | | |
| S 30 | 15 14 6 | 18°23'32 | 17°58' 2 | 14°54' 2 | 4°43' 2 | 1°52' 2 | 1°55' 2 | 27°15' 2 | 5°R50' 2 | 2°49' 2 | 5°25' 2 | 11° 0 | 10°10' 2 | 22°42' 2 | n.a. | | |
| S 31 | 15 18 3 | 19°20'40 | 0°11'18 | 15°11'58 | 5°11'57 | 2°11'59 | 1°35'11 | 27°12' 2 | 5°50' 2 | 2°51' 2 | 5°11'24 | 10°11'57 | 10°11' 7 | 22°49' 2 | n.a. | | |

Delta T = 14h51m19s Julian Calendar 1 May 2191 BCE == Greg. Calendar 13 Apr. 2191 BCE
 The year -2190 astronomical counting style corresponds to year 2191 B.C.E historical counting style.

JUNE 2191 BCE (-2190) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|------------|----------|----------|----------|----------|-----------|----------|----------|---------|----------|-----------|----------|----------|------|---|---|
| M 1 | 15 21 59 | 20°17'48 | 12°05'53 | 16°11'59 | 7°11'10 | 3°11'06 | 1°R47' 2 | 27°R 9 | 5°R50' 2 | 2°58'52 | 5°R22' 2 | 10°R55' 2 | 10°11' 4 | 22°18'56 | n.a. | | |
| T 2 | 15 25 56 | 21°14'57 | 25°47' 2 | 17°57' 2 | 8°24' 2 | 3°43' 2 | 1°R43' 2 | 27°A 6 | 5°50' 2 | 2°54' 2 | 5°11'21 | 10°D55' 2 | 10° 1 | 23° 3 | n.a. | | |
| W 3 | 15 29 52 | 22°12'06 | 9°11'06 | 18°53' 2 | 9°37' 2 | 4°20' 2 | 1°39' 2 | 27° 3 | 5°50' 2 | 2°56' 2 | 5°19' 2 | 10°R55' 2 | 9°58' 2 | 23° 9 | n.a. | | |
| T 4 | 15 33 49 | 23° 9'15 | 22°50' 2 | 19°45' 2 | 10°51' 2 | 4°58' 2 | 1°34' 2 | 26°59' 2 | 5°50' 2 | 2°58' 2 | 5°18' 2 | 10°11'55 | 9°55' 2 | 23°16' 2 | n.a. | | |
| F 5 | 15 37 46 | 24° 6'25 | 7°11' 2 | 20°34' 2 | 12° 4 | 5°35' 2 | 1°29' 2 | 26°56' 2 | 5°49' 2 | 3° 0 | 5°16' 2 | 10°53' 2 | 9°51' 2 | 23°23' 2 | n.a. | | |
| S 6 | 15 41 42 | 25° 3'36 | 21°42' 2 | 21°19' 2 | 13°18' 2 | 6°12' 2 | 1°25' 2 | 26°52' 2 | 5°49' 2 | 3° 1 | 5°15' 2 | 10°48' 2 | 9°48' 2 | 23°29' 2 | n.a. | | |
| S 7 | 15 45 39 | 26° 0'47 | 6°11'44 | 22° 1 | 14°31' 2 | 6°50' 2 | 1°20' 2 | 26°49' 2 | 5°49' 2 | 3° 3 | 5°14' 2 | 10°41' 2 | 9°45' 2 | 23°36' 2 | n.a. | | |
| M 8 | 15 49 35 | 26°57'59 | 22° 0 | 22°39' 2 | 15°45' 2 | 7°27' 2 | 1°15' 2 | 26°45' 2 | 5°48' 2 | 3° 5 | 5°12' 2 | 10°32' 2 | 9°42' 2 | 23°43' 2 | n.a. | | |
| T 9 | 15 53 32 | 27°55'12 | 7°11'20 | 23°13' 2 | 16°58' 2 | 8° 5 | 1° 9 | 26°42' 2 | 5°48' 2 | 3° 7 | 5°11' 2 | 10°21' 2 | 9°39' 2 | 23°50' 2 | n.a. | | |
| W10 | 15 57 28 | 28°52'26 | 22°32' 2 | 23°43' 2 | 18°12' 2 | 8°42' 2 | 1° 4 | 26°38' 2 | 5°47' 2 | 3° 9 | 5° 9 | 10°11' 2 | 9°36' 2 | 23°56' 2 | n.a. | | |
| T 11 | 16 1 25 | 29°49'41 | 7°11'25 | 24° 9 | 19°25' 2 | 9°20' 2 | 0°58' 2 | 26°34' 2 | 5°47' 2 | 3°11' 2 | 5° 8 | 10° 2 | 9°32' 2 | 24° 3 | n.a. | | |
| F 12 | 16 5 21 | 0°11'46'57 | 21°53' 2 | 24°30' 2 | 20°39' 2 | 9°58' 2 | 0°53' 2 | 26°30' 2 | 5°46' 2 | 3°13' 2 | 5° 7 | 9°56' 2 | 9°29' 2 | 24°10' 2 | n.a. | | |
| S 13 | 16 9 18 | 1°44'15 | 5°11'52 | 24°46' 2 | 21°52' 2 | 10°35' 2 | 0°47' 2 | 26°27' 2 | 5°46' 2 | 3°15' 2 | 5° 5 | 9°52' 2 | 9°26' 2 | 24°16' 2 | n.a. | | |
| S 14 | 16 13 15 | 2°41'34 | 19°22' 2 | 24°58' 2 | 23° 6 | 11°13' 2 | 0°41' 2 | 26°23' 2 | 5°45' 2 | 3°17' 2 | 5° 4 | 9°50' 2 | 9°23' 2 | 24°23' 2 | n.a. | | |
| M15 | 16 17 11 | 3°38'54 | 2°11'42 | 25° 5 | 24°19' 2 | 11°51' 2 | 0°35' 2 | 26°19' 2 | 5°44' 2 | 3°19' 2 | 5° 3 | 9°49' 2 | 9°20' 2 | 24°30' 2 | n.a. | | |
| T 16 | 16 21 8 | 4°36'15 | 15° 3 | 25°R 7 | 25°33' 2 | 12°29' 2 | 0°28' 2 | 26°15' 2 | 5°44' 2 | 3°21' 2 | 5° 1 | 9°49' 2 | 9°16' 2 | 24°37' 2 | n.a. | | |
| W17 | 16 25 4 | 5°33'38 | 27°24' 2 | 25° 4 | 26°46' 2 | 13° 7 | 0°22' 2 | 26°11' 2 | 5°43' 2 | 3°23' 2 | 5° 0 | 9°49' 2 | 9°13' 2 | 24°43' 2 | n.a. | | |
| T 18 | 16 29 1 | 6°31'03 | 9°11'32 | 24°56' 2 | 28° 0 | 13°45' 2 | 0°16' 2 | 26° 6 | 5°42' 2 | 3°25' 2 | 4°59' 2 | 9°46' 2 | 9°10' 2 | 24°50' 2 | n.a. | | |
| F 19 | 16 32 57 | 7°28'29 | 21°30' 2 | 24°42' 2 | 29°13' 2 | 14°23' 2 | 0° 9 | 26° 2 | 5°41' 2 | 3°27' 2 | 4°58' 2 | 9°41' 2 | 9° 7 | 24°57' 2 | n.a. | | |
| S 20 | 16 36 54 | 8°25'56 | 3°11'24 | 24°23' 2 | 0°11'27 | 15° 1 | 0° 2 | 25°58' 2 | 5°40' 2 | 3°29' 2 | 4°56' 2 | 9°33' 2 | 9° 4 | 25° 3 | n.a. | | |
| S 21 | 16 40 50 | 9°23'25 | 15°15' 2 | 23°59' 2 | 1°40' 2 | 15°39' 2 | 29°A55' 2 | 25°54' 2 | 5°39' 2 | 3°31' 2 | 4°55' 2 | 9°22' 2 | 9° 1 | 25°10' 2 | n.a. | | |
| M22 | 16 44 47 | 10°20'55 | 27° 6 | 23°30' 2 | 2°54' 2 | 16°18' 2 | 29°48' 2 | 25°50' 2 | 5°38' 2 | 3°33' 2 | 4°54' 2 | 9°10' 2 | 8°57' 2 | 25°17' 2 | n.a. | | |
| T 23 | 16 48 44 | 11°18'27 | 8°11'59 | 22°56' 2 | 4° 7 | 16°56' 2 | 29°41' 2 | 25°45' 2 | 5°37' 2 | 3°35' 2 | 4°53' 2 | 8°56' 2 | 8°54' 2 | 25°24' 2 | n.a. | | |
| W24 | 16 52 40 | 12°16'00 | 20°56' 2 | 22°19' 2 | 5°21' 2 | 17°34' 2 | 29°34' 2 | 25°41' 2 | 5°36' 2 | 3°37' 2 | 4°52' 2 | 8°42' 2 | 8°51' 2 | 25°30' 2 | n.a. | | |
| T 25 | 16 56 37 | 13°13'34 | 2°11'37 | 21°37' 2 | 6°34' 2 | 18°13' 2 | 29°27' 2 | 25°37' 2 | 5°35' 2 | 3°39' 2 | 4°51' 2 | 8°29' 2 | 8°48' 2 | 25°37' 2 | n.a. | | |
| F 26 | 17 0 33 | 14°11'10 | 15° 5 | 20°52' 2 | 7°47' 2 | 18°51' 2 | 29°20' 2 | 25°32' 2 | 5°33' 2 | 3°41' 2 | 4°49' 2 | 8°18' 2 | 8°45' 2 | 25°44' 2 | n.a. | | |
| S 27 | 17 4 30 | 15° 8'47 | 27°21' 2 | 20° 5 | 9° 1 | 19°30' 2 | 29°12' 2 | 25°28' 2 | 5°32' 2 | 3°43' 2 | 4°48' 2 | 8°10' 2 | 8°42' 2 | 25°51' 2 | n.a. | | |
| S 28 | 17 8 26 | 16° 6'25 | 9°11'46 | 19°16' 2 | 10°14' 2 | 20° 8 | 29° 5 | 25°23' 2 | 5°31' 2 | 3°45' 2 | 4°47' 2 | 8° 5 | 8°38' 2 | 25°57' 2 | n.a. | | |
| M29 | 17 12 23 | 17° 4'05 | 22°25' 2 | 18°26' 2 | 11°28' 2 | 20°47' 2 | 28°57' 2 | 25°19' 2 | 5°29' 2 | 3°48' 2 | 4°46' 2 | 8° 2 | 8°35' 2 | 26° 4 | n.a. | | |
| T 30 | 17 16 19 | 18°11'46 | 5°11'20 | 17°11'36 | 12°11'54 | 21°11'26 | 28°A50' 2 | 25°14' 2 | 5°28' 2 | 3°50' 2 | 4°11'45 | 8°D 2 | 8°11'32 | 26°11' 2 | n.a. | | |

Delta T = 14h51m17s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2191 BCE

JULY 2191 BCE (-2190) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|-----------|---------|--------|-------|-------|--------|--------|-------|------|--------|--------|--------|-------|------|---|
| W 1 | 17 20 16 | 18II59'28 | 18III34 | 16°R47 | 13♄54 | 22♄ 4 | 28°R42 | 25°R10 | 5°R27 | 3♄52 | 4°R44 | 8°R 2 | 8III29 | 26♄17 | n.a. | |
| T 2 | 17 24 13 | 19°57'11 | 2♄12 | 16II 0 | 15° 8 | 22°43 | 28♄34 | 25♄ 5 | 5♄25 | 3°54 | 4III43 | 8III 1 | 8°26 | 26°24 | n.a. | |
| F 3 | 17 28 9 | 20°54'56 | 16°14 | 15°16 | 16°21 | 23°22 | 28°27 | 25° 1 | 5°24 | 3°56 | 4°42 | 7°59 | 8°22 | 26°31 | n.a. | |
| S 4 | 17 32 6 | 21°52'42 | 0III41 | 14°37 | 17°34 | 24° 1 | 28°19 | 24°56 | 5°22 | 3°58 | 4°41 | 7°55 | 8°19 | 26°38 | n.a. | |
| S 5 | 17 36 2 | 22°50'29 | 15°29 | 14° 2 | 18°48 | 24°40 | 28°11 | 24°52 | 5°21 | 4° 1 | 4°40 | 7°48 | 8°16 | 26°44 | n.a. | |
| M 6 | 17 39 59 | 23°48'18 | 0♄34 | 13°32 | 20° 1 | 25°19 | 28° 3 | 24°47 | 5°19 | 4° 3 | 4°40 | 7°39 | 8°13 | 26°51 | n.a. | |
| T 7 | 17 43 55 | 24°46'09 | 15°45 | 13° 9 | 21°14 | 25°58 | 27°55 | 24°43 | 5°17 | 4° 5 | 4°39 | 7°29 | 8°10 | 26°58 | n.a. | |
| W 8 | 17 47 52 | 25°44'01 | 0♄53 | 12°53 | 22°28 | 26°37 | 27°48 | 24°38 | 5°16 | 4° 7 | 4°38 | 7°19 | 8° 7 | 27° 4 | n.a. | |
| T 9 | 17 51 48 | 26°41'55 | 15°46 | 12°44 | 23°41 | 27°16 | 27°40 | 24°33 | 5°14 | 4° 9 | 4°37 | 7°10 | 8° 3 | 27°11 | n.a. | |
| F 10 | 17 55 45 | 27°39'51 | 0♄18 | 12°D42 | 24°54 | 27°55 | 27°32 | 24°29 | 5°12 | 4°12 | 4°36 | 7° 3 | 8° 0 | 27°18 | n.a. | |
| S 11 | 17 59 42 | 28°37'49 | 14°21 | 12°49 | 26° 7 | 28°34 | 27°24 | 24°24 | 5°11 | 4°14 | 4°36 | 6°59 | 7°57 | 27°25 | n.a. | |
| S 12 | 18 3 38 | 29°35'49 | 27°56 | 13° 4 | 27°21 | 29°14 | 27°16 | 24°20 | 5° 9 | 4°16 | 4°35 | 6°57 | 7°54 | 27°31 | n.a. | |
| M13 | 18 7 35 | 0♄33'51 | 11♄ 3 | 13°26 | 28°34 | 29°53 | 27° 8 | 24°15 | 5° 7 | 4°18 | 4°34 | 6°D57 | 7°51 | 27°38 | n.a. | |
| T 14 | 18 11 31 | 1°31'55 | 23°46 | 13°57 | 29°47 | 0♄33 | 27° 0 | 24°11 | 5° 5 | 4°21 | 4°34 | 6°57 | 7°47 | 27°45 | n.a. | |
| W15 | 18 15 28 | 2°30'01 | 6♄ 8 | 14°36 | 1♄ 0 | 1°12 | 26°52 | 24° 6 | 5° 3 | 4°23 | 4°33 | 6°R57 | 7°44 | 27°52 | n.a. | |
| T 16 | 18 19 24 | 3°28'09 | 18°16 | 15°22 | 2°13 | 1°52 | 26°45 | 24° 2 | 5° 1 | 4°25 | 4°32 | 6°56 | 7°41 | 27°58 | n.a. | |
| F 17 | 18 23 21 | 4°26'19 | 0♄13 | 16°16 | 3°26 | 2°31 | 26°37 | 23°57 | 4°59 | 4°27 | 4°32 | 6°53 | 7°38 | 28° 5 | n.a. | |
| S 18 | 18 27 17 | 5°24'32 | 12° 6 | 17°17 | 4°39 | 3°11 | 26°29 | 23°53 | 4°57 | 4°29 | 4°31 | 6°47 | 7°35 | 28°12 | n.a. | |
| S 19 | 18 31 14 | 6°22'47 | 23°56 | 18°25 | 5°53 | 3°51 | 26°22 | 23°49 | 4°55 | 4°32 | 4°31 | 6°39 | 7°32 | 28°18 | n.a. | |
| M20 | 18 35 11 | 7°21'04 | 5II49 | 19°40 | 7° 6 | 4°30 | 26°14 | 23°44 | 4°53 | 4°34 | 4°30 | 6°29 | 7°28 | 28°25 | n.a. | |
| T 21 | 18 39 7 | 8°19'23 | 17°47 | 21° 0 | 8°19 | 5°10 | 26° 6 | 23°40 | 4°51 | 4°36 | 4°30 | 6°18 | 7°25 | 28°32 | n.a. | |
| W22 | 18 43 4 | 9°17'45 | 29°50 | 22°25 | 9°32 | 5°50 | 25°59 | 23°36 | 4°49 | 4°38 | 4°29 | 6° 7 | 7°22 | 28°39 | n.a. | |
| T 23 | 18 47 0 | 10°16'08 | 12♄ 2 | 23°56 | 10°45 | 6°30 | 25°51 | 23°31 | 4°47 | 4°41 | 4°29 | 5°57 | 7°19 | 28°45 | n.a. | |
| F 24 | 18 50 57 | 11°14'33 | 24°22 | 25°31 | 11°58 | 7°10 | 25°44 | 23°27 | 4°45 | 4°43 | 4°28 | 5°49 | 7°16 | 28°52 | n.a. | |
| S 25 | 18 54 53 | 12°13'01 | 6♄51 | 27° 9 | 13°11 | 7°50 | 25°37 | 23°23 | 4°43 | 4°45 | 4°28 | 5°43 | 7°13 | 28°59 | n.a. | |
| S 26 | 18 58 50 | 13°11'30 | 19°31 | 28°51 | 14°24 | 8°30 | 25°30 | 23°19 | 4°40 | 4°47 | 4°28 | 5°39 | 7° 9 | 29° 6 | n.a. | |
| M27 | 19 2 46 | 14°10'01 | 2III22 | 0♄36 | 15°37 | 9°10 | 25°23 | 23°15 | 4°38 | 4°50 | 4°27 | 5°D38 | 7° 6 | 29°12 | n.a. | |
| T 28 | 19 6 43 | 15° 8'34 | 15°27 | 2°23 | 16°50 | 9°51 | 25°16 | 23°11 | 4°36 | 4°52 | 4°27 | 5°38 | 7° 3 | 29°19 | n.a. | |
| W29 | 19 10 40 | 16° 7'09 | 28°47 | 4°12 | 18° 3 | 10°31 | 25° 9 | 23° 6 | 4°34 | 4°54 | 4°27 | 5°39 | 7° 0 | 29°26 | n.a. | |
| T 30 | 19 14 36 | 17° 5'45 | 12♄24 | 6° 2 | 19°15 | 11°11 | 25° 2 | 23° 3 | 4°31 | 4°56 | 4°27 | 5°R40 | 6°57 | 29°32 | n.a. | |
| F 31 | 19 18 33 | 18♄ 4'24 | 26♄19 | 7♄53 | 20♄28 | 11♄52 | 24♄55 | 22♄59 | 4♄29 | 4♄58 | 4III27 | 5III40 | 6III53 | 29♄39 | n.a. | |

Delta T = 14h51m14s Julian Calendar 1 July 2191 BCE == Greg. Calendar 13 June 2191 BCE
 The year -2190 astronomical counting style corresponds to year 2191 B.C.E historical counting style.

AUGUST 2191 BCE (-2190) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|---------|--------|---------|--------|--------|--------|-------|------|--------|--------|--------|--------|------|---|
| S 1 | 19 22 29 | 19♄ 3'04 | 10III33 | 9♄46 | 21♄41 | 12♄32 | 24°R49 | 22°R55 | 4°R27 | 5♄ 0 | 4°R26 | 5°R38 | 6III50 | 29♄46 | n.a. | |
| S 2 | 19 26 26 | 20° 1'46 | 25° 3 | 11°38 | 22°54 | 13°12 | 24♄42 | 22♄51 | 4♄25 | 5° 3 | 4III26 | 5III34 | 6°47 | 29°53 | n.a. | |
| M 3 | 19 30 22 | 21° 0'30 | 9♄46 | 13°31 | 24° 7 | 13°53 | 24°36 | 22°47 | 4°22 | 5° 5 | 4°26 | 5°29 | 6°44 | 29°59 | n.a. | |
| T 4 | 19 34 19 | 21°59'17 | 24°35 | 15°24 | 25°19 | 14°34 | 24°30 | 22°44 | 4°20 | 5° 7 | 4°26 | 5°22 | 6°41 | 0III 6 | n.a. | |
| W 5 | 19 38 16 | 22°58'05 | 9♄23 | 17°16 | 26°32 | 15°14 | 24°24 | 22°40 | 4°18 | 5° 9 | 4°D26 | 5°16 | 6°38 | 0°13 | n.a. | |
| T 6 | 19 42 12 | 23°56'55 | 24° 1 | 19° 8 | 27°45 | 15°55 | 24°18 | 22°36 | 4°15 | 5°11 | 4°26 | 5°10 | 6°34 | 0°19 | n.a. | |
| F 7 | 19 46 9 | 24°55'47 | 8♄23 | 21° 0 | 28°57 | 16°36 | 24°12 | 22°33 | 4°13 | 5°13 | 4°26 | 5° 5 | 6°31 | 0°26 | n.a. | |
| S 8 | 19 50 5 | 25°54'42 | 22°22 | 22°51 | 0III10 | 17°17 | 24° 6 | 22°29 | 4°10 | 5°15 | 4°26 | 5° 3 | 6°28 | 0°33 | n.a. | |
| S 9 | 19 54 2 | 26°53'39 | 5♄56 | 24°42 | 1°23 | 17°57 | 24° 1 | 22°26 | 4° 8 | 5°18 | 4°27 | 5°D 2 | 6°25 | 0°40 | n.a. | |
| M10 | 19 57 58 | 27°52'38 | 19° 6 | 26°31 | 2°35 | 18°38 | 23°56 | 22°23 | 4° 6 | 5°20 | 4°27 | 5° 3 | 6°22 | 0°46 | n.a. | |
| T 11 | 20 1 55 | 28°51'40 | 1°Y52 | 28°20 | 3°48 | 19°19 | 23°50 | 22°20 | 4° 3 | 5°22 | 4°27 | 5° 4 | 6°19 | 0°53 | n.a. | |
| W12 | 20 5 51 | 29°50'44 | 14°18 | 0♄ 8 | 5° 0 | 20° 0 | 23°45 | 22°16 | 4° 1 | 5°24 | 4°27 | 5° 6 | 6°15 | 1° 0 | n.a. | |
| T 13 | 20 9 48 | 0♄49'51 | 26°28 | 1°56 | 6°12 | 20°42 | 23°41 | 22°13 | 3°58 | 5°26 | 4°27 | 5°R 7 | 6°12 | 1° 7 | n.a. | |
| F 14 | 20 13 44 | 1°49'00 | 8♄28 | 3°42 | 7°25 | 21°23 | 23°36 | 22°10 | 3°56 | 5°28 | 4°28 | 5° 7 | 6° 9 | 1°13 | n.a. | |
| S 15 | 20 17 41 | 2°48'12 | 20°21 | 5°28 | 8°37 | 22° 4 | 23°31 | 22° 8 | 3°54 | 5°30 | 4°28 | 5° 5 | 6° 6 | 1°20 | n.a. | |
| S 16 | 20 21 38 | 3°47'26 | 2III13 | 7°12 | 9°50 | 22°45 | 23°27 | 22° 5 | 3°51 | 5°32 | 4°28 | 5° 2 | 6° 3 | 1°27 | n.a. | |
| M17 | 20 25 34 | 4°46'43 | 14° 8 | 8°56 | 11° 2 | 23°27 | 23°23 | 22° 2 | 3°49 | 5°34 | 4°29 | 4°58 | 5°59 | 1°33 | n.a. | |
| T 18 | 20 29 31 | 5°46'02 | 26°10 | 10°39 | 12°14 | 24° 8 | 23°19 | 21°59 | 3°46 | 5°36 | 4°29 | 4°53 | 5°56 | 1°40 | n.a. | |
| W19 | 20 33 27 | 6°45'24 | 8♄20 | 12°21 | 13°26 | 24°49 | 23°15 | 21°57 | 3°44 | 5°38 | 4°29 | 4°48 | 5°53 | 1°47 | n.a. | |
| T 20 | 20 37 24 | 7°44'47 | 20°42 | 14° 3 | 14°39 | 25°31 | 23°12 | 21°54 | 3°41 | 5°40 | 4°30 | 4°44 | 5°50 | 1°54 | n.a. | |
| F 21 | 20 41 20 | 8°44'14 | 3♄16 | 15°43 | 15°51 | 26°12 | 23° 8 | 21°52 | 3°39 | 5°42 | 4°30 | 4°40 | 5°47 | 2° 0 | n.a. | |
| S 22 | 20 45 17 | 9°43'42 | 16° 4 | 17°23 | 17° 3 | 26°54 | 23° 5 | 21°50 | 3°37 | 5°44 | 4°31 | 4°37 | 5°44 | 2° 7 | n.a. | |
| S 23 | 20 49 14 | 10°43'13 | 29° 4 | 19° 2 | 18°15 | 27°36 | 23° 2 | 21°47 | 3°34 | 5°46 | 4°31 | 4°D36 | 5°40 | 2°14 | n.a. | |
| M24 | 20 53 10 | 11°42'45 | 12III17 | 20°40 | 19°27 | 28°18 | 22°59 | 21°45 | 3°32 | 5°48 | 4°32 | 4°36 | 5°37 | 2°21 | n.a. | |
| T 25 | 20 57 7 | 12°42'20 | 25°43 | 22°17 | 20°39 | 28°59 | 22°56 | 21°43 | 3°29 | 5°50 | 4°33 | 4°37 | 5°34 | 2°27 | n.a. | |
| W26 | 21 1 3 | 13°41'57 | 9♄20 | 23°54 | 21°51 | 29°41 | 22°54 | 21°41 | 3°27 | 5°51 | 4°33 | 4°39 | 5°31 | 2°34 | n.a. | |
| T 27 | 21 5 0 | 14°41'36 | 23° 8 | 25°30 | 23° 3 | 0III23 | 22°52 | 21°39 | 3°25 | 5°53 | 4°34 | 4°40 | 5°28 | 2°41 | n.a. | |
| F 28 | 21 8 56 | 15°41'16 | 7III 7 | 27° 5 | 24°15 | 1° 5 | 22°49 | 21°38 | 3°22 | 5°55 | 4°35 | 4°41 | 5°25 | 2°47 | n.a. | |
| S 29 | 21 12 53 | 16°40'59 | 21°15 | 28°39 | 25°26 | 1°47 | 22°48 | 21°36 | 3°20 | 5°57 | 4°35 | 4°R41 | 5°21 | 2°54 | n.a. | |
| S 30 | 21 16 49 | 17°40'43 | 5♄31 | 0III13 | 26°38 | 2°29 | 22°46 | 21°35 | 3°18 | 5°59 | 4°36 | 4°40 | 5°18 | 3° 1 | n.a. | |
| M31 | 21 20 46 | 18♄40'29 | 19♄52 | 1III46 | 27III50 | 3III11 | 22♄44 | 21♄33 | 3♄15 | 6♄ 0 | 4III37 | 4III39 | 5III15 | 3III 8 | n.a. | |

Delta T = 14h51m12s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [6.2.2007]

SWISS EPHEMERIS for the year 2191 BCE

SEPTEMBER 2191 BCE (-2190) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | |
|------|----------|----------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|------|---|---|---|---|---|---|---|--|
| T 1 | 21 24 42 | 19°40'18 | 4♁14 | 3♎19 | 29♎2 | 3♎53 | 22°R43 | 21°R32 | 3°R13 | 6♁2 | 4♎38 | 4°R37 | 5♎12 | 3♎14 | n.a. | | | | | | | | |
| W 2 | 21 28 39 | 20°40'08 | 18°33 | 4°51 | 0♁13 | 4°36 | 22°A42 | 21°A30 | 3°A11 | 6°4 | 4°39 | 4♎35 | 5°9 | 3°21 | n.a. | | | | | | | | |
| T 3 | 21 32 36 | 21°40'00 | 2°A44 | 6°22 | 1°25 | 5°18 | 22°41 | 21°29 | 3°9 | 6°6 | 4°40 | 4°34 | 5°5 | 3°28 | n.a. | | | | | | | | |
| F 4 | 21 36 32 | 22°39'54 | 16°43 | 7°52 | 2°36 | 6°0 | 22°40 | 21°28 | 3°6 | 6°7 | 4°41 | 4°32 | 5°2 | 3°35 | n.a. | | | | | | | | |
| S 5 | 21 40 29 | 23°39'50 | 0♁26 | 9°22 | 3°48 | 6°43 | 22°40 | 21°27 | 3°4 | 6°9 | 4°42 | 4°D32 | 4°59 | 3°41 | n.a. | | | | | | | | |
| S 6 | 21 44 25 | 24°39'48 | 13°50 | 10°51 | 4°59 | 7°25 | 22°40 | 21°26 | 3°2 | 6°10 | 4°43 | 4°32 | 4°56 | 3°48 | n.a. | | | | | | | | |
| M 7 | 21 48 22 | 25°39'49 | 26°55 | 12°20 | 6°10 | 8°8 | 22°D40 | 21°26 | 3°0 | 6°12 | 4°44 | 4°33 | 4°53 | 3°55 | n.a. | | | | | | | | |
| T 8 | 21 52 18 | 26°39'51 | 9°Y40 | 13°48 | 7°21 | 8°50 | 22°40 | 21°25 | 2°58 | 6°14 | 4°45 | 4°33 | 4°50 | 4°1 | n.a. | | | | | | | | |
| W 9 | 21 56 15 | 27°39'56 | 22°7 | 15°15 | 8°33 | 9°33 | 22°40 | 21°25 | 2°55 | 6°15 | 4°46 | 4°34 | 4°46 | 4°8 | n.a. | | | | | | | | |
| T 10 | 22 0 11 | 28°40'04 | 4♁19 | 16°42 | 9°44 | 10°16 | 22°41 | 21°24 | 2°53 | 6°17 | 4°47 | 4°35 | 4°43 | 4°15 | n.a. | | | | | | | | |
| F 11 | 22 4 8 | 29°40'13 | 16°20 | 18°8 | 10°55 | 10°58 | 22°41 | 21°24 | 2°51 | 6°18 | 4°48 | 4°35 | 4°40 | 4°22 | n.a. | | | | | | | | |
| S 12 | 22 8 5 | 0♎40'25 | 28°15 | 19°33 | 12°6 | 11°41 | 22°42 | 21°24 | 2°49 | 6°20 | 4°49 | 4°R35 | 4°37 | 4°28 | n.a. | | | | | | | | |
| S 13 | 22 12 1 | 1°40'39 | 10♎8 | 20°57 | 13°17 | 12°24 | 22°43 | 21°23 | 2°47 | 6°21 | 4°50 | 4°35 | 4°34 | 4°35 | n.a. | | | | | | | | |
| M 14 | 22 15 58 | 2°40'55 | 22°3 | 22°21 | 14°27 | 13°7 | 22°45 | 21°D23 | 2°45 | 6°23 | 4°51 | 4°35 | 4°30 | 4°42 | n.a. | | | | | | | | |
| T 15 | 22 19 54 | 3°41'14 | 4♁5 | 23°43 | 15°38 | 13°50 | 22°46 | 21°23 | 2°43 | 6°24 | 4°53 | 4°35 | 4°27 | 4°48 | n.a. | | | | | | | | |
| W 16 | 22 23 51 | 4°41'35 | 16°19 | 25°5 | 16°49 | 14°33 | 22°48 | 21°24 | 2°41 | 6°25 | 4°54 | 4°D35 | 4°24 | 4°55 | n.a. | | | | | | | | |
| T 17 | 22 27 47 | 5°41'58 | 28°47 | 26°26 | 17°59 | 15°16 | 22°50 | 21°24 | 2°39 | 6°27 | 4°55 | 4°35 | 4°21 | 5°2 | n.a. | | | | | | | | |
| F 18 | 22 31 44 | 6°42'23 | 11♁33 | 27°45 | 19°10 | 15°59 | 22°52 | 21°24 | 2°37 | 6°28 | 4°57 | 4°35 | 4°18 | 5°9 | n.a. | | | | | | | | |
| S 19 | 22 35 40 | 7°42'49 | 24°36 | 29°4 | 20°20 | 16°42 | 22°55 | 21°25 | 2°35 | 6°29 | 4°58 | 4°35 | 4°15 | 5°15 | n.a. | | | | | | | | |
| S 20 | 22 39 37 | 8°43'18 | 7♎58 | 0♁21 | 21°31 | 17°25 | 22°57 | 21°25 | 2°34 | 6°31 | 4°59 | 4°R36 | 4°11 | 5°22 | n.a. | | | | | | | | |
| M 21 | 22 43 34 | 9°43'49 | 21°37 | 1°36 | 22°41 | 18°9 | 23°0 | 21°26 | 2°32 | 6°32 | 5°1 | 4°35 | 4°8 | 5°29 | n.a. | | | | | | | | |
| T 22 | 22 47 30 | 10°44'21 | 5♁31 | 2°51 | 23°51 | 18°52 | 23°3 | 21°27 | 2°30 | 6°33 | 5°2 | 4°35 | 4°5 | 5°36 | n.a. | | | | | | | | |
| W 23 | 22 51 27 | 11°44'55 | 19°36 | 4°3 | 25°1 | 19°36 | 23°6 | 21°28 | 2°28 | 6°34 | 5°4 | 4°34 | 4°2 | 5°42 | n.a. | | | | | | | | |
| T 24 | 22 55 23 | 12°45'31 | 3♎48 | 5°13 | 26°11 | 20°19 | 23°9 | 21°29 | 2°27 | 6°35 | 5°5 | 4°33 | 3°59 | 5°49 | n.a. | | | | | | | | |
| F 25 | 22 59 20 | 13°46'08 | 18°3 | 6°21 | 27°21 | 21°3 | 23°13 | 21°30 | 2°25 | 6°36 | 5°7 | 4°32 | 3°56 | 5°56 | n.a. | | | | | | | | |
| S 26 | 23 3 16 | 14°46'47 | 2♁19 | 7°27 | 28°31 | 21°46 | 23°16 | 21°31 | 2°23 | 6°37 | 5°8 | 4°31 | 3°52 | 6°2 | n.a. | | | | | | | | |
| S 27 | 23 7 13 | 15°47'27 | 16°32 | 8°29 | 29°41 | 22°30 | 23°20 | 21°33 | 2°22 | 6°39 | 5°10 | 4°D31 | 3°49 | 6°9 | n.a. | | | | | | | | |
| M 28 | 23 11 9 | 16°48'08 | 0♁39 | 9°29 | 0♎51 | 23°13 | 23°24 | 21°34 | 2°20 | 6°40 | 5°11 | 4°32 | 3°46 | 6°16 | n.a. | | | | | | | | |
| T 29 | 23 15 6 | 17°48'51 | 14°40 | 10°25 | 2°0 | 23°57 | 23°29 | 21°36 | 2°19 | 6°41 | 5°13 | 4°32 | 3°43 | 6°23 | n.a. | | | | | | | | |
| W 30 | 23 19 3 | 18°49'35 | 28♁32 | 11♁17 | 3♎10 | 24°41 | 23°A33 | 21°A37 | 2°A17 | 6°A41 | 5°M14 | 4°M34 | 3°M40 | 6°M29 | n.a. | | | | | | | | |

Delta T = 14h51m10s Julian Calendar 1 Sept. 2191 BCE == Greg. Calendar 14 Aug. 2191 BCE
 The year -2190 astronomical counting style corresponds to year 2191 B.C.E historical counting style.

OCTOBER 2191 BCE (-2190) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | |
|------|----------|----------|--------|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|---|---|---|---|---|---|---|--|
| T 1 | 23 22 59 | 19°50'20 | 12°A14 | 12♁4 | 4♎19 | 25°M25 | 23°A38 | 21°A39 | 2°R16 | 6°A42 | 5°M16 | 4°M35 | 3°M36 | 6°M36 | n.a. | | | | | | | | |
| F 2 | 23 26 56 | 20°51'07 | 25°45 | 12°47 | 5°28 | 26°9 | 23°43 | 21°41 | 2°A15 | 6°43 | 5°18 | 4°36 | 3°33 | 6°43 | n.a. | | | | | | | | |
| S 3 | 23 30 52 | 21°51'55 | 9°A3 | 13°23 | 6°37 | 26°53 | 23°48 | 21°43 | 2°13 | 6°44 | 5°19 | 4°R36 | 3°30 | 6°50 | n.a. | | | | | | | | |
| S 4 | 23 34 49 | 22°52'44 | 22°8 | 13°53 | 7°46 | 27°36 | 23°53 | 21°45 | 2°12 | 6°45 | 5°21 | 4°35 | 3°27 | 6°56 | n.a. | | | | | | | | |
| M 5 | 23 38 45 | 23°53'35 | 4°Y59 | 14°16 | 8°55 | 28°21 | 23°58 | 21°47 | 2°11 | 6°46 | 5°23 | 4°33 | 3°24 | 7°3 | n.a. | | | | | | | | |
| T 6 | 23 42 42 | 24°54'27 | 17°36 | 14°32 | 10°3 | 29°5 | 24°4 | 21°49 | 2°10 | 6°47 | 5°25 | 4°30 | 3°21 | 7°10 | n.a. | | | | | | | | |
| W 7 | 23 46 38 | 25°55'21 | 29°59 | 14°R38 | 11°12 | 29°49 | 24°9 | 21°52 | 2°8 | 6°47 | 5°26 | 4°27 | 3°17 | 7°16 | n.a. | | | | | | | | |
| T 8 | 23 50 35 | 26°56'16 | 12♁9 | 14°35 | 12°20 | 0♁33 | 24°15 | 21°54 | 2°7 | 6°48 | 5°28 | 4°23 | 3°14 | 7°23 | n.a. | | | | | | | | |
| F 9 | 23 54 31 | 27°57'13 | 24°10 | 14°22 | 13°28 | 1°17 | 24°21 | 21°57 | 2°6 | 6°49 | 5°30 | 4°19 | 3°11 | 7°30 | n.a. | | | | | | | | |
| S 10 | 23 58 28 | 28°58'12 | 6♎5 | 13°58 | 14°36 | 2°1 | 24°28 | 22°0 | 2°5 | 6°49 | 5°32 | 4°16 | 3°8 | 7°37 | n.a. | | | | | | | | |
| S 11 | 0 2 25 | 29°59'12 | 17°57 | 13°24 | 15°44 | 2°46 | 24°34 | 22°2 | 2°4 | 6°50 | 5°34 | 4°14 | 3°5 | 7°43 | n.a. | | | | | | | | |
| M 12 | 0 6 21 | 1°0'13 | 29°50 | 12°39 | 16°52 | 3°30 | 24°40 | 22°5 | 2°3 | 6°50 | 5°35 | 4°D14 | 3°1 | 7°50 | n.a. | | | | | | | | |
| T 13 | 0 10 18 | 2°1'16 | 11♁51 | 11°43 | 17°59 | 4°15 | 24°47 | 22°8 | 2°2 | 6°51 | 5°37 | 4°14 | 2°58 | 7°57 | n.a. | | | | | | | | |
| W 14 | 0 14 14 | 3°2'21 | 24°2 | 10°38 | 19°7 | 4°59 | 24°54 | 22°11 | 2°2 | 6°51 | 5°39 | 4°15 | 2°55 | 8°3 | n.a. | | | | | | | | |
| T 15 | 0 18 11 | 4°3'26 | 6♎30 | 9°25 | 20°14 | 5°44 | 25°1 | 22°14 | 2°1 | 6°52 | 5°41 | 4°17 | 2°52 | 8°10 | n.a. | | | | | | | | |
| F 16 | 0 22 7 | 5°4'33 | 19°18 | 8°7 | 21°21 | 6°28 | 25°8 | 22°18 | 2°0 | 6°52 | 5°43 | 4°19 | 2°49 | 8°17 | n.a. | | | | | | | | |
| S 17 | 0 26 4 | 6°5'42 | 2♎30 | 6°45 | 22°28 | 7°13 | 25°16 | 22°21 | 1°59 | 6°53 | 5°45 | 4°R20 | 2°46 | 8°24 | n.a. | | | | | | | | |
| S 18 | 0 30 0 | 7°6'51 | 16°5 | 5°22 | 23°34 | 7°58 | 25°23 | 22°24 | 1°59 | 6°53 | 5°47 | 4°19 | 2°42 | 8°30 | n.a. | | | | | | | | |
| M 19 | 0 33 57 | 8°8'01 | 0♁5 | 4°2 | 24°41 | 8°42 | 25°31 | 22°28 | 1°58 | 6°53 | 5°49 | 4°17 | 2°39 | 8°37 | n.a. | | | | | | | | |
| T 20 | 0 37 54 | 9°9'13 | 14°24 | 2°47 | 25°47 | 9°27 | 25°39 | 22°31 | 1°58 | 6°54 | 5°51 | 4°13 | 2°36 | 8°44 | n.a. | | | | | | | | |
| W 21 | 0 41 50 | 10°10'25 | 28°59 | 1°38 | 26°53 | 10°12 | 25°47 | 22°35 | 1°57 | 6°54 | 5°53 | 4°8 | 2°33 | 8°51 | n.a. | | | | | | | | |
| T 22 | 0 45 47 | 11°11'38 | 13♎41 | 0°39 | 27°59 | 10°57 | 25°55 | 22°39 | 1°57 | 6°54 | 5°55 | 4°2 | 2°30 | 8°57 | n.a. | | | | | | | | |
| F 23 | 0 49 43 | 12°12'52 | 28°24 | 29°M50 | 29°5 | 11°42 | 26°3 | 22°43 | 1°56 | 6°54 | 5°57 | 3°56 | 2°27 | 9°4 | n.a. | | | | | | | | |
| S 24 | 0 53 40 | 13°14'07 | 13♁0 | 29°12 | 0♁10 | 12°27 | 26°11 | 22°47 | 1°56 | 6°54 | 5°59 | 3°51 | 2°23 | 9°11 | n.a. | | | | | | | | |
| S 25 | 0 57 36 | 14°15'22 | 27°24 | 28°45 | 1°15 | 13°12 | 26°20 | 22°51 | 1°56 | 6°55 | 6°1 | 3°48 | 2°20 | 9°17 | n.a. | | | | | | | | |
| M 26 | 1 1 33 | 15°16'37 | 11♁32 | 28°30 | 2°20 | 13°57 | 26°29 | 22°55 | 1°55 | 6°55 | 6°3 | 3°D47 | 2°17 | 9°24 | n.a. | | | | | | | | |
| T 27 | 1 5 29 | 16°17'53 | 25°25 | 28°D25 | 3°24 | 14°42 | 26°38 | 22°59 | 1°55 | 6°55 | 6°5 | 3°47 | 2°14 | 9°31 | n.a. | | | | | | | | |
| W 28 | 1 9 26 | 17°19'09 | 9♁8 | 28°31 | 4°29 | 15°27 | 26°47 | 23°3 | 1°55 | 6°R55 | 6°7 | 3°48 | 2°11 | 9°38 | n.a. | | | | | | | | |
| T 29 | 1 13 23 | 18°20'25 | 22°21 | 28°46 | 5°32 | 16°12 | 26°56 | 23°8 | 1°55 | 6°55 | 6°9 | 3°50 | 2°7 | 9°44 | n.a. | | | | | | | | |
| F 30 | 1 17 19 | 19°21'41 | 5♁27 | 29°9 | 6°36 | 16°58 | 27°5 | 23°12 | 1°D55 | 6°55 | 6°11 | 3°R50 | 2°4 | 9°51 | n.a. | | | | | | | | |
| S 31 | 1 21 16 | 20°22'58 | 18♁22 | 29°M40 | 7♁39 | 17°A43 | 27°A14 | 23°A17 | 1°A55 | 6°A55 | 6°M14 | 3°M49 | 2°M1 | 9°M58 | n.a. | | | | | | | | |

Delta T = 14h51m08s Julian Calendar created from Swiss Ephemeris, Copyright AstroDienst AG [6.2.2007]

SWISS EPHEMERIS for the year 2191 BCE

NOVEMBER 2191 BCE (-2190) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | ♂ |
|------|---------|-----------------------|---------------------|--------------------|---------------------|--------------------|--------------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|----------------------|------|
| S 1 | 1 25 12 | 21 ^h 24'15 | 1 ^h 9' 5 | 0 ^h 18 | 8 ^h 7'42 | 18 ^h 28 | 27 ^h 24 | 23 ^h 21 | 1 ^h 55 | 6 ^h R54 | 6 ^h 16 | 3 ^h R46 | 1 ^h 58 | 10 ^h II 5 | n.a. |
| M 2 | 1 29 9 | 22 ^h 25'32 | 13 ^h 38 | 1 ^h 3 | 9 ^h 45 | 19 ^h 13 | 27 ^h 33 | 23 ^h 26 | 1 ^h 55 | 6 ^h 54 | 6 ^h 18 | 3 ^h 40 | 1 ^h 55 | 10 ^h 11 | n.a. |
| T 3 | 1 33 5 | 23 ^h 26'50 | 26 ^h 1 | 1 ^h 52 | 10 ^h 47 | 19 ^h 59 | 27 ^h 43 | 23 ^h 31 | 1 ^h 55 | 6 ^h 54 | 6 ^h 20 | 3 ^h 32 | 1 ^h 52 | 10 ^h 18 | n.a. |
| W 4 | 1 37 2 | 24 ^h 28'08 | 8 ^h 15 | 2 ^h 47 | 11 ^h 49 | 20 ^h 44 | 27 ^h 53 | 23 ^h 36 | 1 ^h 56 | 6 ^h 54 | 6 ^h 22 | 3 ^h 22 | 1 ^h 48 | 10 ^h 25 | n.a. |
| T 5 | 1 40 58 | 25 ^h 29'27 | 20 ^h 20 | 3 ^h 46 | 12 ^h 51 | 21 ^h 30 | 28 ^h 3 | 23 ^h 41 | 1 ^h 56 | 6 ^h 54 | 6 ^h 24 | 3 ^h 11 | 1 ^h 45 | 10 ^h 31 | n.a. |
| F 6 | 1 44 55 | 26 ^h 30'45 | 2 ^h 11 | 4 ^h 48 | 13 ^h 52 | 22 ^h 15 | 28 ^h 13 | 23 ^h 46 | 1 ^h 56 | 6 ^h 53 | 6 ^h 26 | 3 ^h 1 | 1 ^h 42 | 10 ^h 38 | n.a. |
| S 7 | 1 48 51 | 27 ^h 32'05 | 14 ^h 12 | 5 ^h 54 | 14 ^h 53 | 23 ^h 1 | 28 ^h 23 | 23 ^h 51 | 1 ^h 57 | 6 ^h 53 | 6 ^h 28 | 2 ^h 51 | 1 ^h 39 | 10 ^h 45 | n.a. |
| S 8 | 1 52 48 | 28 ^h 33'24 | 26 ^h 2 | 7 ^h 3 | 15 ^h 53 | 23 ^h 47 | 28 ^h 34 | 23 ^h 56 | 1 ^h 57 | 6 ^h 53 | 6 ^h 31 | 2 ^h 44 | 1 ^h 36 | 10 ^h 52 | n.a. |
| M 9 | 1 56 45 | 29 ^h 34'44 | 7 ^h 54 | 8 ^h 14 | 16 ^h 53 | 24 ^h 32 | 28 ^h 44 | 24 ^h 1 | 1 ^h 58 | 6 ^h 52 | 6 ^h 33 | 2 ^h 39 | 1 ^h 33 | 10 ^h 58 | n.a. |
| T 10 | 2 0 41 | 0 ^h 36'05 | 19 ^h 51 | 9 ^h 27 | 17 ^h 53 | 25 ^h 18 | 28 ^h 55 | 24 ^h 6 | 1 ^h 58 | 6 ^h 52 | 6 ^h 35 | 2 ^h 36 | 1 ^h 29 | 11 ^h 5 | n.a. |
| W11 | 2 4 38 | 1 ^h 37'25 | 1 ^h 59 | 10 ^h 43 | 18 ^h 52 | 26 ^h 4 | 29 ^h 6 | 24 ^h 12 | 1 ^h 59 | 6 ^h 51 | 6 ^h 37 | 2 ^h D35 | 1 ^h 26 | 11 ^h 12 | n.a. |
| T 12 | 2 8 34 | 2 ^h 38'46 | 14 ^h 21 | 12 ^h 0 | 19 ^h 50 | 26 ^h 49 | 29 ^h 16 | 24 ^h 17 | 1 ^h 59 | 6 ^h 51 | 6 ^h 39 | 2 ^h 36 | 1 ^h 23 | 11 ^h 18 | n.a. |
| F 13 | 2 12 31 | 3 ^h 40'07 | 27 ^h 5 | 13 ^h 19 | 20 ^h 48 | 27 ^h 35 | 29 ^h 27 | 24 ^h 23 | 2 ^h 0 | 6 ^h 50 | 6 ^h 41 | 2 ^h R37 | 1 ^h 20 | 11 ^h 25 | n.a. |
| S 14 | 2 16 27 | 4 ^h 41'29 | 10 ^h 13 | 14 ^h 39 | 21 ^h 46 | 28 ^h 21 | 29 ^h 38 | 24 ^h 28 | 2 ^h 1 | 6 ^h 50 | 6 ^h 44 | 2 ^h 36 | 1 ^h 17 | 11 ^h 32 | n.a. |
| S 15 | 2 20 24 | 5 ^h 42'50 | 23 ^h 49 | 16 ^h 0 | 22 ^h 43 | 29 ^h 7 | 29 ^h 49 | 24 ^h 34 | 2 ^h 2 | 6 ^h 49 | 6 ^h 46 | 2 ^h 34 | 1 ^h 13 | 11 ^h 39 | n.a. |
| M16 | 2 24 20 | 6 ^h 44'11 | 7 ^h 55 | 17 ^h 22 | 23 ^h 39 | 29 ^h 53 | 0 ^h 3 1 | 24 ^h 40 | 2 ^h 2 | 6 ^h 48 | 6 ^h 48 | 2 ^h 30 | 1 ^h 10 | 11 ^h 45 | n.a. |
| T 17 | 2 28 17 | 7 ^h 45'33 | 22 ^h 27 | 18 ^h 46 | 24 ^h 35 | 0 ^h 39 | 0 ^h 12 | 24 ^h 45 | 2 ^h 3 | 6 ^h 48 | 6 ^h 50 | 2 ^h 23 | 1 ^h 7 | 11 ^h 52 | n.a. |
| W18 | 2 32 14 | 8 ^h 46'54 | 7 ^h 11 | 20 ^h 10 | 25 ^h 30 | 1 ^h 25 | 0 ^h 23 | 24 ^h 51 | 2 ^h 4 | 6 ^h 47 | 6 ^h 52 | 2 ^h 13 | 1 ^h 4 | 11 ^h 59 | n.a. |
| T 19 | 2 36 10 | 9 ^h 48'15 | 22 ^h 28 | 21 ^h 35 | 26 ^h 25 | 2 ^h 11 | 0 ^h 35 | 24 ^h 57 | 2 ^h 5 | 6 ^h 46 | 6 ^h 55 | 2 ^h 2 | 1 ^h 1 | 12 ^h 6 | n.a. |
| F 20 | 2 40 7 | 10 ^h 49'36 | 7 ^h 37 | 23 ^h 1 | 27 ^h 19 | 2 ^h 57 | 0 ^h 46 | 25 ^h 3 | 2 ^h 6 | 6 ^h 46 | 6 ^h 57 | 1 ^h 52 | 0 ^h 58 | 12 ^h 12 | n.a. |
| S 21 | 2 44 3 | 11 ^h 50'56 | 22 ^h 38 | 24 ^h 28 | 28 ^h 12 | 3 ^h 43 | 0 ^h 58 | 25 ^h 9 | 2 ^h 7 | 6 ^h 45 | 6 ^h 59 | 1 ^h 43 | 0 ^h 54 | 12 ^h 19 | n.a. |
| S 22 | 2 48 0 | 12 ^h 52'16 | 7 ^h 23 | 25 ^h 55 | 29 ^h 5 | 4 ^h 29 | 1 ^h 10 | 25 ^h 15 | 2 ^h 9 | 6 ^h 44 | 7 ^h 1 | 1 ^h 36 | 0 ^h 51 | 12 ^h 26 | n.a. |
| M23 | 2 51 56 | 13 ^h 53'35 | 21 ^h 46 | 27 ^h 23 | 29 ^h 56 | 5 ^h 15 | 1 ^h 22 | 25 ^h 21 | 2 ^h 10 | 6 ^h 43 | 7 ^h 3 | 1 ^h 31 | 0 ^h 48 | 12 ^h 32 | n.a. |
| T 24 | 2 55 53 | 14 ^h 54'53 | 5 ^h 44 | 28 ^h 51 | 0 ^h 48 | 6 ^h 2 | 1 ^h 34 | 25 ^h 27 | 2 ^h 11 | 6 ^h 42 | 7 ^h 5 | 1 ^h 29 | 0 ^h 45 | 12 ^h 39 | n.a. |
| W25 | 2 59 49 | 15 ^h 56'10 | 19 ^h 18 | 0 ^h 20 | 1 ^h 38 | 6 ^h 48 | 1 ^h 46 | 25 ^h 34 | 2 ^h 12 | 6 ^h 41 | 7 ^h 8 | 1 ^h D29 | 0 ^h 42 | 12 ^h 46 | n.a. |
| T 26 | 3 3 46 | 16 ^h 57'26 | 2 ^h 30 | 1 ^h 50 | 2 ^h 27 | 7 ^h 34 | 1 ^h 58 | 25 ^h 40 | 2 ^h 14 | 6 ^h 41 | 7 ^h 10 | 1 ^h R29 | 0 ^h 38 | 12 ^h 53 | n.a. |
| F 27 | 3 7 43 | 17 ^h 58'41 | 15 ^h 24 | 3 ^h 20 | 3 ^h 16 | 8 ^h 20 | 2 ^h 10 | 25 ^h 46 | 2 ^h 15 | 6 ^h 40 | 7 ^h 12 | 1 ^h 29 | 0 ^h 35 | 12 ^h 59 | n.a. |
| S 28 | 3 11 39 | 18 ^h 59'56 | 28 ^h 3 | 4 ^h 50 | 4 ^h 3 | 9 ^h 7 | 2 ^h 23 | 25 ^h 53 | 2 ^h 17 | 6 ^h 39 | 7 ^h 14 | 1 ^h 26 | 0 ^h 32 | 13 ^h 6 | n.a. |
| S 29 | 3 15 36 | 20 ^h 1'09 | 10 ^h 29 | 6 ^h 21 | 4 ^h 50 | 9 ^h 53 | 2 ^h 35 | 25 ^h 59 | 2 ^h 18 | 6 ^h 38 | 7 ^h 16 | 1 ^h 20 | 0 ^h 29 | 13 ^h 13 | n.a. |
| M30 | 3 19 32 | 21 ^h 11'22 | 22 ^h 46 | 7 ^h 53 | 5 ^h 36 | 10 ^h 39 | 2 ^h 47 | 26 ^h 7 5 | 2 ^h 20 | 6 ^h 37 | 7 ^h 18 | 1 ^h 12 | 0 ^h 26 | 13 ^h 19 | n.a. |

Delta T = 14h51m05s Julian Calendar 1 Nov. 2191 BCE == Greg. Calendar 14 Oct. 2191 BCE
 The year -2190 astronomical counting style corresponds to year 2191 B.C.E historical counting style.

DECEMBER 2191 BCE (-2190) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | ♂ |
|------|---------|-----------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|--------------------|-----------------------|------|
| T 1 | 3 23 29 | 22 ^h 33'33 | 4 ^h 56 | 9 ^h 25 | 6 ^h 20 | 11 ^h 26 | 3 ^h 0 | 26 ^h 12 | 2 ^h 21 | 6 ^h R35 | 7 ^h 20 | 1 ^h R 0 | 0 ^h 23 | 13 ^h II 26 | n.a. |
| W 2 | 3 27 25 | 23 ^h 4'44 | 17 ^h 0 | 10 ^h 58 | 7 ^h 4 | 12 ^h 12 | 3 ^h 13 | 26 ^h 18 | 2 ^h 23 | 6 ^h 34 | 7 ^h 22 | 0 ^h 46 | 0 ^h 19 | 13 ^h 33 | n.a. |
| T 3 | 3 31 22 | 24 ^h 5'54 | 28 ^h 58 | 12 ^h 31 | 7 ^h 47 | 12 ^h 59 | 3 ^h 25 | 26 ^h 25 | 2 ^h 24 | 6 ^h 33 | 7 ^h 25 | 0 ^h 31 | 0 ^h 16 | 13 ^h 40 | n.a. |
| F 4 | 3 35 18 | 25 ^h 7'03 | 10 ^h 53 | 14 ^h 5 | 8 ^h 28 | 13 ^h 45 | 3 ^h 38 | 26 ^h 32 | 2 ^h 26 | 6 ^h 32 | 7 ^h 27 | 0 ^h 16 | 0 ^h 13 | 13 ^h 46 | n.a. |
| S 5 | 3 39 15 | 26 ^h 8'11 | 22 ^h 45 | 15 ^h 39 | 9 ^h 8 | 14 ^h 32 | 3 ^h 51 | 26 ^h 38 | 2 ^h 28 | 6 ^h 31 | 7 ^h 29 | 0 ^h 3 | 0 ^h 10 | 13 ^h 53 | n.a. |
| S 6 | 3 43 12 | 27 ^h 9'19 | 4 ^h 36 | 17 ^h 14 | 9 ^h 47 | 15 ^h 18 | 4 ^h 4 | 26 ^h 45 | 2 ^h 30 | 6 ^h 30 | 7 ^h 31 | 29 ^h 51 | 0 ^h 7 | 14 ^h 0 | n.a. |
| M 7 | 3 47 8 | 28 ^h 10'25 | 16 ^h 28 | 18 ^h 49 | 10 ^h 24 | 16 ^h 5 | 4 ^h 17 | 26 ^h 52 | 2 ^h 32 | 6 ^h 29 | 7 ^h 33 | 29 ^h 43 | 0 ^h 4 | 14 ^h 7 | n.a. |
| T 8 | 3 51 5 | 29 ^h 11'31 | 28 ^h 25 | 20 ^h 25 | 11 ^h 1 | 16 ^h 51 | 4 ^h 30 | 26 ^h 59 | 2 ^h 33 | 6 ^h 27 | 7 ^h 35 | 29 ^h 37 | 0 ^h 0 | 14 ^h 13 | n.a. |
| W 9 | 3 55 1 | 0 ^h 12'36 | 10 ^h 31 | 22 ^h 1 | 11 ^h 35 | 17 ^h 38 | 4 ^h 43 | 27 ^h 6 | 2 ^h 35 | 6 ^h 26 | 7 ^h 37 | 29 ^h 34 | 29 ^h 57 | 14 ^h 20 | n.a. |
| T 10 | 3 58 58 | 1 ^h 13'40 | 22 ^h 50 | 23 ^h 39 | 12 ^h 9 | 18 ^h 25 | 4 ^h 56 | 27 ^h 12 | 2 ^h 37 | 6 ^h 25 | 7 ^h 39 | 29 ^h 34 | 29 ^h 54 | 14 ^h 27 | n.a. |
| F 11 | 4 2 54 | 2 ^h 14'43 | 5 ^h 28 | 25 ^h 16 | 12 ^h 41 | 19 ^h 11 | 5 ^h 9 | 27 ^h 19 | 2 ^h 39 | 6 ^h 23 | 7 ^h 41 | 29 ^h 33 | 29 ^h 51 | 14 ^h 33 | n.a. |
| S 12 | 4 6 51 | 3 ^h 15'45 | 18 ^h 28 | 26 ^h 55 | 13 ^h 11 | 19 ^h 58 | 5 ^h 23 | 27 ^h 26 | 2 ^h 41 | 6 ^h 22 | 7 ^h 43 | 29 ^h 33 | 29 ^h 48 | 14 ^h 40 | n.a. |
| S 13 | 4 10 47 | 4 ^h 16'46 | 1 ^h 56 | 28 ^h 34 | 13 ^h 40 | 20 ^h 45 | 5 ^h 36 | 27 ^h 33 | 2 ^h 44 | 6 ^h 21 | 7 ^h 45 | 29 ^h 31 | 29 ^h 44 | 14 ^h 47 | n.a. |
| M14 | 4 14 44 | 5 ^h 17'47 | 15 ^h 55 | 0 ^h 14 | 14 ^h 6 | 21 ^h 31 | 5 ^h 49 | 27 ^h 40 | 2 ^h 46 | 6 ^h 19 | 7 ^h 47 | 29 ^h 26 | 29 ^h 41 | 14 ^h 54 | n.a. |
| T 15 | 4 18 41 | 6 ^h 18'46 | 0 ^h 23 | 1 ^h 54 | 14 ^h 32 | 22 ^h 18 | 6 ^h 3 | 27 ^h 47 | 2 ^h 48 | 6 ^h 18 | 7 ^h 49 | 29 ^h 19 | 29 ^h 38 | 15 ^h 0 | n.a. |
| W16 | 4 22 37 | 7 ^h 19'44 | 15 ^h 17 | 3 ^h 35 | 14 ^h 55 | 23 ^h 5 | 6 ^h 16 | 27 ^h 54 | 2 ^h 50 | 6 ^h 17 | 7 ^h 51 | 29 ^h 9 | 29 ^h 35 | 15 ^h 7 | n.a. |
| T 17 | 4 26 34 | 8 ^h 20'41 | 0 ^h 30 | 5 ^h 17 | 15 ^h 17 | 23 ^h 52 | 6 ^h 30 | 28 ^h 1 | 2 ^h 52 | 6 ^h 15 | 7 ^h 53 | 28 ^h 57 | 29 ^h 32 | 15 ^h 14 | n.a. |
| F 18 | 4 30 30 | 9 ^h 21'37 | 15 ^h 52 | 7 ^h 0 | 15 ^h 36 | 24 ^h 38 | 6 ^h 43 | 28 ^h 9 | 2 ^h 55 | 6 ^h 14 | 7 ^h 55 | 28 ^h 46 | 29 ^h 29 | 15 ^h 20 | n.a. |
| S 19 | 4 34 27 | 10 ^h 22'31 | 1 ^h 3 9 | 8 ^h 43 | 15 ^h 54 | 25 ^h 25 | 6 ^h 57 | 28 ^h 16 | 2 ^h 57 | 6 ^h 12 | 7 ^h 57 | 28 ^h 36 | 29 ^h 25 | 15 ^h 27 | n.a. |
| S 20 | 4 38 23 | 11 ^h 23'24 | 16 ^h 12 | 10 ^h 27 | 16 ^h 9 | 26 ^h 12 | 7 ^h 11 | 28 ^h 23 | 2 ^h 59 | 6 ^h 11 | 7 ^h 59 | 2 | | | |