

SWISS EPHEMERIS for the year 1159 BCE

JANUARY 1159 BCE (-1158) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|---------|----------|-------|-------|-------|-------|-------|-------|--------|-------|------|-------|------|------|------|---|---|
| S 1 | 5 57 22 | 0356'52 | 9II 0 | 17♂20 | 17♁42 | 26♂15 | 26♂ 9 | 13♂24 | 22°R45 | 21♁55 | 1♁55 | 6°R40 | 6♂21 | 5♂32 | n.a. | | |
| S 2 | 6 1 19 | 1°57'35 | 24°15 | 18°56 | 18°42 | 27° 1 | 26°23 | 13°31 | 22♂43 | 21°56 | 1°57 | 6♂29 | 6°18 | 5°39 | n.a. | | |
| M 3 | 6 5 15 | 2°58'17 | 9♁38 | 20°32 | 19°42 | 27°48 | 26°38 | 13°38 | 22°41 | 21°57 | 1°58 | 6°17 | 6°15 | 5°46 | n.a. | | |
| T 4 | 6 9 12 | 3°58'58 | 24°57 | 22° 9 | 20°41 | 28°34 | 26°52 | 13°45 | 22°39 | 21°58 | 2° 0 | 6° 6 | 6°11 | 5°53 | n.a. | | |
| W 5 | 6 13 9 | 4°59'37 | 10♁ 0 | 23°47 | 21°40 | 29°21 | 27° 6 | 13°53 | 22°38 | 21°59 | 2° 1 | 5°57 | 6° 8 | 5°59 | n.a. | | |
| T 6 | 6 17 5 | 6° 0'14 | 24°40 | 25°26 | 22°38 | 0♁ 7 | 27°20 | 14° 0 | 22°36 | 22° 0 | 2° 3 | 5°50 | 6° 5 | 6° 6 | n.a. | | |
| F 7 | 6 21 2 | 7° 0'50 | 8♁50 | 27° 6 | 23°36 | 0°53 | 27°34 | 14° 7 | 22°34 | 22° 1 | 2° 4 | 5°46 | 6° 2 | 6°13 | n.a. | | |
| S 8 | 6 24 58 | 8° 1'24 | 22°32 | 28°47 | 24°33 | 1°40 | 27°49 | 14°14 | 22°33 | 22° 2 | 2° 6 | 5°44 | 5°59 | 6°19 | n.a. | | |
| S 9 | 6 28 55 | 9° 1'57 | 5♁45 | 0♂28 | 25°29 | 2°26 | 28° 3 | 14°22 | 22°31 | 22° 3 | 2° 7 | 5°44 | 5°55 | 6°26 | n.a. | | |
| M10 | 6 32 51 | 10° 2'29 | 18°35 | 2°11 | 26°26 | 3°12 | 28°17 | 14°29 | 22°30 | 22° 4 | 2° 9 | 5°44 | 5°52 | 6°33 | n.a. | | |
| T 11 | 6 36 48 | 11° 2'59 | 1♁ 5 | 3°54 | 27°21 | 3°58 | 28°31 | 14°36 | 22°28 | 22° 4 | 2°10 | 5°42 | 5°49 | 6°40 | n.a. | | |
| W12 | 6 40 44 | 12° 3'28 | 13°20 | 5°38 | 28°16 | 4°44 | 28°45 | 14°44 | 22°27 | 22° 5 | 2°12 | 5°39 | 5°46 | 6°46 | n.a. | | |
| T 13 | 6 44 41 | 13° 3'55 | 25°24 | 7°23 | 29°10 | 5°31 | 28°59 | 14°51 | 22°25 | 22° 6 | 2°13 | 5°33 | 5°43 | 6°53 | n.a. | | |
| F 14 | 6 48 38 | 14° 4'20 | 7♂21 | 9°10 | 0♁ 4 | 6°17 | 29°13 | 14°58 | 22°24 | 22° 6 | 2°15 | 5°24 | 5°40 | 7° 0 | n.a. | | |
| S 15 | 6 52 34 | 15° 4'44 | 19°15 | 10°57 | 0°56 | 7° 3 | 29°27 | 15° 6 | 22°23 | 22° 7 | 2°16 | 5°12 | 5°36 | 7° 6 | n.a. | | |
| S 16 | 6 56 31 | 16° 5'06 | 1♂ 7 | 12°45 | 1°49 | 7°49 | 29°41 | 15°13 | 22°21 | 22° 8 | 2°18 | 4°58 | 5°33 | 7°13 | n.a. | | |
| M17 | 7 0 27 | 17° 5'26 | 12°59 | 14°34 | 2°40 | 8°35 | 29°55 | 15°20 | 22°20 | 22° 8 | 2°19 | 4°43 | 5°30 | 7°20 | n.a. | | |
| T 18 | 7 4 24 | 18° 5'45 | 24°52 | 16°24 | 3°31 | 9°21 | 0♂ 9 | 15°28 | 22°19 | 22° 9 | 2°21 | 4°29 | 5°27 | 7°27 | n.a. | | |
| W19 | 7 8 20 | 19° 6'01 | 6♁48 | 18°14 | 4°21 | 10° 7 | 0°23 | 15°35 | 22°18 | 22° 9 | 2°22 | 4°16 | 5°24 | 7°33 | n.a. | | |
| T 20 | 7 12 17 | 20° 6'15 | 18°48 | 20° 6 | 5°10 | 10°53 | 0°37 | 15°42 | 22°17 | 22°10 | 2°24 | 4° 6 | 5°21 | 7°40 | n.a. | | |
| F 21 | 7 16 14 | 21° 6'28 | 0♁54 | 21°59 | 5°58 | 11°38 | 0°51 | 15°50 | 22°16 | 22°10 | 2°25 | 3°58 | 5°17 | 7°47 | n.a. | | |
| S 22 | 7 20 10 | 22° 6'37 | 13° 8 | 23°52 | 6°45 | 12°24 | 1° 5 | 15°57 | 22°15 | 22°11 | 2°27 | 3°54 | 5°14 | 7°54 | n.a. | | |
| S 23 | 7 24 7 | 23° 6'45 | 25°34 | 25°47 | 7°31 | 13°10 | 1°18 | 16° 4 | 22°14 | 22°11 | 2°29 | 3°52 | 5°11 | 8° 0 | n.a. | | |
| M24 | 7 28 3 | 24° 6'51 | 8♂16 | 27°41 | 8°17 | 13°56 | 1°32 | 16°12 | 22°13 | 22°11 | 2°30 | 3°D52 | 5° 8 | 8° 7 | n.a. | | |
| T 25 | 7 32 0 | 25° 6'54 | 21°16 | 29°37 | 9° 1 | 14°41 | 1°46 | 16°19 | 22°12 | 22°12 | 2°32 | 3°R52 | 5° 5 | 8°14 | n.a. | | |
| W26 | 7 35 56 | 26° 6'55 | 4♁40 | 1♁33 | 9°44 | 15°27 | 2° 0 | 16°26 | 22°12 | 22°12 | 2°33 | 3°52 | 5° 1 | 8°20 | n.a. | | |
| T 27 | 7 39 53 | 27° 6'53 | 18°29 | 3°29 | 10°26 | 16°13 | 2°13 | 16°34 | 22°11 | 22°12 | 2°35 | 3°50 | 4°58 | 8°27 | n.a. | | |
| F 28 | 7 43 49 | 28° 6'49 | 2II45 | 5°26 | 11° 7 | 16°58 | 2°27 | 16°41 | 22°10 | 22°12 | 2°37 | 3°46 | 4°55 | 8°34 | n.a. | | |
| S 29 | 7 47 46 | 29° 6'43 | 17°27 | 7°22 | 11°47 | 17°44 | 2°40 | 16°48 | 22°10 | 22°13 | 2°38 | 3°39 | 4°52 | 8°41 | n.a. | | |
| S 30 | 7 51 43 | 0♁ 6'35 | 2♁29 | 9°19 | 12°26 | 18°29 | 2°54 | 16°55 | 22° 9 | 22°13 | 2°40 | 3°30 | 4°49 | 8°47 | n.a. | | |
| M31 | 7 55 39 | 1♁ 6'24 | 17♁43 | 11♁14 | 13♁ 3 | 19♁14 | 3♂ 7 | 17♂ 2 | 22♂ 9 | 22♁13 | 2♁41 | 3♂21 | 4♂46 | 8♂54 | n.a. | | |

Delta T = 08h04m00s Julian Calendar 1 Jan. 1159 BCE == Greg. Calendar 21 Dec. 1160 BCE

The year -1158 astronomical counting style corresponds to year 1159 B.C.E historical counting style.

FEBRUARY 1159 BCE (-1158) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|---------|----------|--------|-------|--------|-------|------|-------|--------|--------|------|-------|------|-------|------|---|---|
| T 1 | 7 59 36 | 2♁ 6'11 | 2♁58 | 13♁ 9 | 13♁39 | 20♁ 0 | 3♂21 | 17♂10 | 22°R 8 | 22°13 | 2♁43 | 3°R12 | 4♂42 | 9♂ 1 | n.a. | | |
| W 2 | 8 3 32 | 3° 5'56 | 18° 3 | 15° 3 | 14°14 | 20°45 | 3°34 | 17°17 | 22♂ 8 | 22°13 | 2°45 | 3♂ 4 | 4°39 | 9° 8 | n.a. | | |
| T 3 | 8 7 29 | 4° 5'39 | 2♁49 | 16°55 | 14°47 | 21°30 | 3°47 | 17°24 | 22° 7 | 22°R13 | 2°46 | 2°58 | 4°36 | 9°14 | n.a. | | |
| F 4 | 8 11 25 | 5° 5'19 | 17° 9 | 18°45 | 15°19 | 22°16 | 4° 1 | 17°31 | 22° 7 | 22°13 | 2°48 | 2°54 | 4°33 | 9°21 | n.a. | | |
| S 5 | 8 15 22 | 6° 4'58 | 1♁ 1 | 20°32 | 15°49 | 23° 1 | 4°14 | 17°38 | 22° 7 | 22°13 | 2°49 | 2°D53 | 4°30 | 9°28 | n.a. | | |
| S 6 | 8 19 18 | 7° 4'35 | 14°23 | 22°17 | 16°17 | 23°46 | 4°27 | 17°45 | 22° 7 | 22°13 | 2°51 | 2°54 | 4°27 | 9°34 | n.a. | | |
| M 7 | 8 23 15 | 8° 4'10 | 27°19 | 23°58 | 16°44 | 24°31 | 4°40 | 17°52 | 22° 7 | 22°13 | 2°53 | 2°55 | 4°23 | 9°41 | n.a. | | |
| T 8 | 8 27 12 | 9° 3'43 | 9♁53 | 25°36 | 17°10 | 25°16 | 4°53 | 17°59 | 22° 6 | 22°13 | 2°54 | 2°R55 | 4°20 | 9°48 | n.a. | | |
| W 9 | 8 31 8 | 10° 3'14 | 22°10 | 27° 9 | 17°33 | 26° 1 | 5° 6 | 18° 6 | 22°D 6 | 22°12 | 2°56 | 2°54 | 4°17 | 9°55 | n.a. | | |
| T 10 | 8 35 5 | 11° 2'44 | 4♁14 | 28°37 | 17°55 | 26°46 | 5°19 | 18°13 | 22° 6 | 22°12 | 2°57 | 2°51 | 4°14 | 10° 1 | n.a. | | |
| F 11 | 8 39 1 | 12° 2'11 | 16° 9 | 0♁ 0 | 18°14 | 27°31 | 5°32 | 18°20 | 22° 7 | 22°12 | 2°59 | 2°46 | 4°11 | 10° 8 | n.a. | | |
| S 12 | 8 42 58 | 13° 1'37 | 28° 1 | 1°18 | 18°32 | 28°16 | 5°45 | 18°27 | 22° 7 | 22°12 | 3° 0 | 2°39 | 4° 7 | 10°15 | n.a. | | |
| S 13 | 8 46 54 | 14° 1'00 | 9♂52 | 2°29 | 18°48 | 29° 1 | 5°57 | 18°34 | 22° 7 | 22°11 | 3° 2 | 2°30 | 4° 4 | 10°22 | n.a. | | |
| M14 | 8 50 51 | 15° 0'21 | 21°44 | 3°34 | 19° 2 | 29°46 | 6°10 | 18°41 | 22° 7 | 22°11 | 3° 4 | 2°21 | 4° 1 | 10°28 | n.a. | | |
| T 15 | 8 54 47 | 15°59'41 | 3♁42 | 4°32 | 19°13 | 0♁30 | 6°23 | 18°48 | 22° 7 | 22°11 | 3° 5 | 2°12 | 3°58 | 10°35 | n.a. | | |
| W16 | 8 58 44 | 16°58'58 | 15°44 | 5°24 | 19°23 | 1°15 | 6°35 | 18°55 | 22° 8 | 22°10 | 3° 7 | 2° 4 | 3°55 | 10°42 | n.a. | | |
| T 17 | 9 2 41 | 17°58'13 | 27°54 | 6° 8 | 19°30 | 2° 0 | 6°48 | 19° 1 | 22° 8 | 22°10 | 3° 8 | 1°57 | 3°52 | 10°48 | n.a. | | |
| F 18 | 9 6 37 | 18°57'25 | 10♁12 | 6°45 | 19°35 | 2°44 | 7° 0 | 19° 8 | 22° 9 | 22° 9 | 3°10 | 1°53 | 3°48 | 10°55 | n.a. | | |
| S 19 | 9 10 34 | 19°56'36 | 22°40 | 7°15 | 19°37 | 3°29 | 7°12 | 19°15 | 22° 9 | 22° 9 | 3°11 | 1°50 | 3°45 | 11° 2 | n.a. | | |
| S 20 | 9 14 30 | 20°55'44 | 5♂19 | 7°37 | 19°R37 | 4°13 | 7°25 | 19°21 | 22°10 | 22° 8 | 3°13 | 1°D50 | 3°42 | 11° 9 | n.a. | | |
| M21 | 9 18 27 | 21°54'49 | 18°12 | 7°51 | 19°35 | 4°58 | 7°37 | 19°28 | 22°10 | 22° 8 | 3°14 | 1°51 | 3°39 | 11°15 | n.a. | | |
| T 22 | 9 22 23 | 22°53'52 | 1♁19 | 7°59 | 19°30 | 5°42 | 7°49 | 19°35 | 22°11 | 22° 7 | 3°16 | 1°53 | 3°36 | 11°22 | n.a. | | |
| W23 | 9 26 20 | 23°52'53 | 14°45 | 7°R59 | 19°22 | 6°26 | 8° 1 | 19°41 | 22°12 | 22° 6 | 3°18 | 1°54 | 3°32 | 11°29 | n.a. | | |
| T 24 | 9 30 16 | 24°51'51 | 28°30 | 7°52 | 19°13 | 7°11 | 8°13 | 19°48 | 22°13 | 22° 6 | 3°19 | 1°R54 | 3°29 | 11°35 | n.a. | | |
| F 25 | 9 34 13 | 25°50'47 | 12II35 | 7°38 | 19° 0 | 7°55 | 8°25 | 19°54 | 22°13 | 22° 5 | 3°21 | 1°53 | 3°26 | 11°42 | n.a. | | |
| S 26 | 9 38 10 | 26°49'41 | 26°59 | 7°19 | 18°45 | 8°39 | 8°37 | 20° 0 | 22°14 | 22° 4 | 3°22 | 1°50 | 3°23 | 11°49 | n.a. | | |
| S 27 | 9 42 6 | 27°48'32 | 11♁40 | 6°53 | 18°28 | 9°23 | 8°48 | 20° 7 | 22°15 | 22° 3 | 3°24 | 1°46 | 3°20 | 11°56 | n.a. | | |
| M28 | 9 46 3 | 28♁47'20 | 26♁31 | 6♁22 | 18♁ 8 | 10♁ 7 | 9♂ 0 | 20♂13 | 22♂16 | 22♁ 3 | 3♁25 | 1♂41 | 3♂17 | 12♂ 2 | n.a. | | |

Delta T = 08h03m59s

Julian Calendar

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SWISS EPHEMERIS for the year 1159 BCE

MARCH 1159 BCE (-1158) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♅ | |
|------|----------|------------------------|--------------------|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|---------------------|-------------------|--------------------|-------------------|--------------------|------|
| T 1 | 9 49 59 | 29 ⁴⁶ 46'06 | 11 ^Ω 25 | 5 [°] R47 | 17 [°] R46 | 10 [♃] 51 | 9 [♄] 11 | 20 [♅] 19 | 22 [♆] 17 | 22 [°] R 2 | 3 [♁] 26 | 1 [♂] R37 | 3 [♆] 13 | 12 [♅] 9 | n.a. |
| W 2 | 9 53 56 | 0 [♃] 44'50 | 26 [°] 14 | 5 [♃] 8 | 17 [♃] 22 | 11 [°] 35 | 9 [°] 23 | 20 [°] 26 | 22 [°] 18 | 22 [♁] 1 | 3 [°] 28 | 1 [♆] 33 | 3 [°] 10 | 12 [°] 16 | n.a. |
| T 3 | 9 57 52 | 1 [°] 43'32 | 10 [♁] 49 | 4 [°] 26 | 16 [°] 55 | 12 [°] 19 | 9 [°] 34 | 20 [°] 32 | 22 [°] 20 | 22 [°] 0 | 3 [°] 29 | 1 [°] 30 | 3 [°] 7 | 12 [°] 23 | n.a. |
| F 4 | 10 1 49 | 2 [°] 42'12 | 25 [°] 5 | 3 [°] 42 | 16 [°] 27 | 13 [°] 3 | 9 [°] 45 | 20 [°] 38 | 22 [°] 21 | 21 [°] 59 | 3 [°] 31 | 1 [°] D29 | 3 [°] 4 | 12 [°] 29 | n.a. |
| S 5 | 10 5 45 | 3 [°] 40'49 | 8 [♁] 57 | 2 [°] 56 | 15 [°] 56 | 13 [°] 47 | 9 [°] 57 | 20 [°] 44 | 22 [°] 22 | 21 [°] 58 | 3 [°] 32 | 1 [°] 29 | 3 [°] 1 | 12 [°] 36 | n.a. |
| S 6 | 10 9 42 | 4 [°] 39'25 | 22 [°] 23 | 2 [°] 11 | 15 [°] 24 | 14 [°] 31 | 10 [°] 8 | 20 [°] 50 | 22 [°] 23 | 21 [°] 57 | 3 [°] 34 | 1 [°] 30 | 2 [°] 58 | 12 [°] 43 | n.a. |
| M 7 | 10 13 39 | 5 [°] 37'59 | 5 [♁] 25 | 1 [°] 26 | 14 [°] 51 | 15 [°] 14 | 10 [°] 19 | 20 [°] 56 | 22 [°] 25 | 21 [°] 57 | 3 [°] 35 | 1 [°] 31 | 2 [°] 54 | 12 [°] 49 | n.a. |
| T 8 | 10 17 35 | 6 [°] 36'31 | 18 [°] 5 | 0 [°] 42 | 14 [°] 16 | 15 [°] 58 | 10 [°] 29 | 21 [°] 2 | 22 [°] 26 | 21 [°] 56 | 3 [°] 36 | 1 [°] 33 | 2 [°] 51 | 12 [°] 56 | n.a. |
| W 9 | 10 21 32 | 7 [°] 35'01 | 0 [♃] 26 | 0 [°] 0 | 13 [°] 40 | 16 [°] 42 | 10 [°] 40 | 21 [°] 8 | 22 [°] 27 | 21 [°] 54 | 3 [°] 38 | 1 [°] 34 | 2 [°] 48 | 13 [°] 3 | n.a. |
| T 10 | 10 25 28 | 8 [°] 33'30 | 12 [°] 33 | 29 [♁] 21 | 13 [°] 3 | 17 [°] 25 | 10 [°] 51 | 21 [°] 13 | 22 [°] 29 | 21 [°] 53 | 3 [°] 39 | 1 [°] R34 | 2 [°] 45 | 13 [°] 10 | n.a. |
| F 11 | 10 29 25 | 9 [°] 31'57 | 24 [°] 30 | 28 [°] 45 | 12 [°] 25 | 18 [°] 9 | 11 [°] 1 | 21 [°] 19 | 22 [°] 30 | 21 [°] 52 | 3 [°] 40 | 1 [°] 33 | 2 [°] 42 | 13 [°] 16 | n.a. |
| S 12 | 10 33 21 | 10 [°] 30'22 | 6 [♃] 23 | 28 [°] 14 | 11 [°] 47 | 18 [°] 52 | 11 [°] 12 | 21 [°] 25 | 22 [°] 32 | 21 [°] 51 | 3 [°] 42 | 1 [°] 31 | 2 [°] 38 | 13 [°] 23 | n.a. |
| S 13 | 10 37 18 | 11 [°] 28'45 | 18 [°] 15 | 27 [°] 46 | 11 [°] 9 | 19 [°] 36 | 11 [°] 22 | 21 [°] 30 | 22 [°] 34 | 21 [°] 50 | 3 [°] 43 | 1 [°] 29 | 2 [°] 35 | 13 [°] 30 | n.a. |
| M 14 | 10 41 14 | 12 [°] 27'07 | 0 [♁] 10 | 27 [°] 23 | 10 [°] 31 | 20 [°] 19 | 11 [°] 33 | 21 [°] 36 | 22 [°] 35 | 21 [°] 49 | 3 [°] 44 | 1 [°] 26 | 2 [°] 32 | 13 [°] 36 | n.a. |
| T 15 | 10 45 11 | 13 [°] 25'27 | 12 [°] 12 | 27 [°] 5 | 9 [°] 53 | 21 [°] 3 | 11 [°] 43 | 21 [°] 41 | 22 [°] 37 | 21 [°] 48 | 3 [°] 46 | 1 [°] 23 | 2 [°] 29 | 13 [°] 43 | n.a. |
| W 16 | 10 49 8 | 14 [°] 23'44 | 24 [°] 22 | 26 [°] 51 | 9 [°] 16 | 21 [°] 46 | 11 [°] 53 | 21 [°] 47 | 22 [°] 39 | 21 [°] 47 | 3 [°] 47 | 1 [°] 20 | 2 [°] 26 | 13 [°] 50 | n.a. |
| T 17 | 10 53 4 | 15 [°] 22'00 | 6 [♃] 43 | 26 [°] 43 | 8 [°] 40 | 22 [°] 29 | 12 [°] 3 | 21 [°] 52 | 22 [°] 41 | 21 [°] 46 | 3 [°] 48 | 1 [°] 18 | 2 [°] 23 | 13 [°] 57 | n.a. |
| F 18 | 10 57 1 | 16 [°] 20'15 | 19 [°] 17 | 26 [°] D39 | 8 [°] 4 | 23 [°] 12 | 12 [°] 13 | 21 [°] 57 | 22 [°] 43 | 21 [°] 44 | 3 [°] 50 | 1 [°] 17 | 2 [°] 19 | 14 [°] 3 | n.a. |
| S 19 | 11 0 57 | 17 [°] 18'27 | 2 [♆] 3 | 26 [°] 41 | 7 [°] 30 | 23 [°] 55 | 12 [°] 22 | 22 [°] 3 | 22 [°] 44 | 21 [°] 43 | 3 [°] 51 | 1 [°] D17 | 2 [°] 16 | 14 [°] 10 | n.a. |
| S 20 | 11 4 54 | 18 [°] 16'37 | 15 [°] 2 | 26 [°] 47 | 6 [°] 58 | 24 [°] 39 | 12 [°] 32 | 22 [°] 8 | 22 [°] 46 | 21 [°] 42 | 3 [°] 52 | 1 [°] 17 | 2 [°] 13 | 14 [°] 17 | n.a. |
| M 21 | 11 8 50 | 19 [°] 14'45 | 28 [°] 15 | 26 [°] 59 | 6 [°] 27 | 25 [°] 22 | 12 [°] 41 | 22 [°] 13 | 22 [°] 48 | 21 [°] 40 | 3 [°] 53 | 1 [°] 18 | 2 [°] 10 | 14 [°] 24 | n.a. |
| T 22 | 11 12 47 | 20 [°] 12'51 | 11 [♃] 41 | 27 [°] 15 | 5 [°] 58 | 26 [°] 5 | 12 [°] 51 | 22 [°] 18 | 22 [°] 50 | 21 [°] 39 | 3 [°] 54 | 1 [°] 19 | 2 [°] 7 | 14 [°] 30 | n.a. |
| W 23 | 11 16 43 | 21 [°] 10'55 | 25 [°] 21 | 27 [°] 35 | 5 [°] 30 | 26 [°] 48 | 13 [°] 0 | 22 [°] 23 | 22 [°] 53 | 21 [°] 38 | 3 [°] 56 | 1 [°] 20 | 2 [°] 4 | 14 [°] 37 | n.a. |
| T 24 | 11 20 40 | 22 [°] 8'58 | 9 [♁] 13 | 28 [°] 0 | 5 [°] 5 | 27 [°] 30 | 13 [°] 9 | 22 [°] 28 | 22 [°] 55 | 21 [°] 37 | 3 [°] 57 | 1 [°] 20 | 2 [°] 0 | 14 [°] 44 | n.a. |
| F 25 | 11 24 36 | 23 [°] 6'58 | 23 [°] 17 | 28 [°] 30 | 4 [°] 42 | 28 [°] 13 | 13 [°] 18 | 22 [°] 33 | 22 [°] 57 | 21 [°] 35 | 3 [°] 58 | 1 [°] R21 | 1 [°] 57 | 14 [°] 50 | n.a. |
| S 26 | 11 28 33 | 24 [°] 4'56 | 7 [♃] 31 | 29 [°] 3 | 4 [°] 21 | 28 [°] 56 | 13 [°] 27 | 22 [°] 37 | 22 [°] 59 | 21 [°] 34 | 3 [°] 59 | 1 [°] 20 | 1 [°] 54 | 14 [°] 57 | n.a. |
| S 27 | 11 32 30 | 25 [°] 2'52 | 21 [°] 53 | 29 [°] 40 | 4 [°] 3 | 29 [°] 39 | 13 [°] 36 | 22 [°] 42 | 23 [°] 1 | 21 [°] 32 | 4 [°] 0 | 1 [°] 20 | 1 [°] 51 | 15 [°] 4 | n.a. |
| M 28 | 11 36 26 | 26 [°] 0'46 | 6 [♁] 19 | 0 [♃] 22 | 3 [°] 46 | 0 [♆] 21 | 13 [°] 44 | 22 [°] 47 | 23 [°] 4 | 21 [°] 31 | 4 [°] 1 | 1 [°] 19 | 1 [°] 48 | 15 [°] 11 | n.a. |
| T 29 | 11 40 23 | 26 [°] 58'38 | 20 [°] 46 | 1 [°] 6 | 3 [°] 33 | 1 [°] 4 | 13 [°] 53 | 22 [°] 51 | 23 [°] 6 | 21 [°] 30 | 4 [°] 2 | 1 [°] 19 | 1 [°] 44 | 15 [°] 17 | n.a. |
| W 30 | 11 44 19 | 27 [°] 56'28 | 5 [♁] 8 | 1 [°] 55 | 3 [°] 21 | 1 [°] 47 | 14 [°] 1 | 22 [°] 56 | 23 [°] 8 | 21 [°] 28 | 4 [°] 3 | 1 [°] 18 | 1 [°] 41 | 15 [°] 24 | n.a. |
| T 31 | 11 48 16 | 28 [°] 54'17 | 19 [♁] 20 | 2 [♃] 46 | 3 [♃] 12 | 2 [♆] 29 | 14 [°] 9 | 23 [°] 0 | 23 [°] 11 | 21 [°] 27 | 4 [°] 4 | 1 [°] 18 | 1 [°] 38 | 15 [°] 31 | n.a. |

Delta T = 08h03m57s Julian Calendar 1 March 1159 BCE == Greg. Calendar 18 Feb. 1159 BCE
 The year -1158 astronomical counting style corresponds to year 1159 B.C.E historical counting style.

APRIL 1159 BCE (-1158) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♅ | |
|------|----------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|-------------------|--------------------|-------------------|--------------------|------|
| F 1 | 11 52 12 | 29 [♃] 52'03 | 3 [♁] 17 | 3 [♃] 41 | 3 [°] R 6 | 3 [♆] 12 | 14 [♃] 17 | 23 [♃] 4 | 23 [♃] 13 | 21 [°] R25 | 4 [♁] 5 | 1 [°] D18 | 1 [♆] 35 | 15 [♃] 37 | n.a. |
| S 2 | 11 56 9 | 0 [♆] 49'48 | 16 [°] 58 | 4 [°] 40 | 3 [♃] 2 | 3 [°] 54 | 14 [°] 25 | 23 [°] 8 | 23 [°] 16 | 21 [°] 24 | 4 [°] 6 | 1 [°] R18 | 1 [°] 32 | 15 [°] 44 | n.a. |
| S 3 | 12 0 5 | 1 [°] 47'32 | 0 [♁] 18 | 5 [°] 41 | 3 [°] D 0 | 4 [°] 36 | 14 [°] 33 | 23 [°] 13 | 23 [°] 18 | 21 [°] 22 | 4 [°] 7 | 1 [°] Y18 | 1 [°] 29 | 15 [°] 51 | n.a. |
| M 4 | 12 4 2 | 2 [°] 45'14 | 13 [°] 18 | 6 [°] 45 | 3 [°] 1 | 5 [°] 19 | 14 [°] 41 | 23 [°] 17 | 23 [°] 21 | 21 [°] 21 | 4 [°] 8 | 1 [°] 18 | 1 [°] 25 | 15 [°] 58 | n.a. |
| T 5 | 12 7 59 | 3 [°] 42'55 | 25 [°] 58 | 7 [°] 52 | 3 [°] 4 | 6 [°] 1 | 14 [°] 48 | 23 [°] 21 | 23 [°] 23 | 21 [°] 19 | 4 [°] 9 | 1 [°] 18 | 1 [°] 22 | 16 [°] 4 | n.a. |
| W 6 | 12 11 55 | 4 [°] 40'34 | 8 [♃] 22 | 9 [°] 1 | 3 [°] 10 | 6 [°] 43 | 14 [°] 56 | 23 [°] 24 | 23 [°] 26 | 21 [°] 18 | 4 [°] 10 | 1 [°] 18 | 1 [°] 19 | 16 [°] 11 | n.a. |
| T 7 | 12 15 52 | 5 [°] 38'13 | 20 [°] 31 | 10 [°] 14 | 3 [°] 17 | 7 [°] 25 | 15 [°] 3 | 23 [°] 28 | 23 [°] 29 | 21 [°] 16 | 4 [°] 11 | 1 [°] 17 | 1 [°] 16 | 16 [°] 18 | n.a. |
| F 8 | 12 19 48 | 6 [°] 35'50 | 2 [♃] 30 | 11 [°] 29 | 3 [°] 27 | 8 [°] 8 | 15 [°] 10 | 23 [°] 32 | 23 [°] 31 | 21 [°] 15 | 4 [°] 12 | 1 [°] D17 | 1 [°] 13 | 16 [°] 25 | n.a. |
| S 9 | 12 23 45 | 7 [°] 33'26 | 14 [°] 24 | 12 [°] 46 | 3 [°] 39 | 8 [°] 50 | 15 [°] 17 | 23 [°] 36 | 23 [°] 34 | 21 [°] 13 | 4 [°] 13 | 1 [°] 17 | 1 [°] 10 | 16 [°] 31 | n.a. |
| S 10 | 12 27 41 | 8 [°] 31'01 | 26 [°] 18 | 14 [°] 6 | 3 [°] 53 | 9 [°] 32 | 15 [°] 24 | 23 [°] 39 | 23 [°] 37 | 21 [°] 12 | 4 [°] 14 | 1 [°] 17 | 1 [°] 6 | 16 [°] 38 | n.a. |
| M 11 | 12 31 38 | 9 [°] 28'35 | 8 [♁] 14 | 15 [°] 29 | 4 [°] 9 | 10 [°] 14 | 15 [°] 30 | 23 [°] 43 | 23 [°] 40 | 21 [°] 10 | 4 [°] 14 | 1 [°] 18 | 1 [°] 3 | 16 [°] 45 | n.a. |
| T 12 | 12 35 34 | 10 [°] 26'08 | 20 [°] 19 | 16 [°] 54 | 4 [°] 26 | 10 [°] 56 | 15 [°] 37 | 23 [°] 46 | 23 [°] 42 | 21 [°] 8 | 4 [°] 15 | 1 [°] 19 | 1 [°] 0 | 16 [°] 51 | n.a. |
| W 13 | 12 39 31 | 11 [°] 23'39 | 2 [♃] 35 | 18 [°] 21 | 4 [°] 46 | 11 [°] 38 | 15 [°] 43 | 23 [°] 49 | 23 [°] 45 | 21 [°] 7 | 4 [°] 16 | 1 [°] 20 | 0 [°] 57 | 16 [°] 58 | n.a. |
| T 14 | 12 43 28 | 12 [°] 21'09 | 15 [°] 6 | 19 [°] 51 | 5 [°] 8 | 12 [°] 19 | 15 [°] 49 | 23 [°] 53 | 23 [°] 48 | 21 [°] 5 | 4 [°] 17 | 1 [°] 21 | 0 [°] 54 | 17 [°] 5 | n.a. |
| F 15 | 12 47 24 | 13 [°] 18'39 | 27 [°] 54 | 21 [°] 23 | 5 [°] 31 | 13 [°] 1 | 15 [°] 55 | 23 [°] 56 | 23 [°] 51 | 21 [°] 4 | 4 [°] 17 | 1 [°] R21 | 0 [°] 50 | 17 [°] 12 | n.a. |
| S 16 | 12 51 21 | 14 [°] 16'07 | 10 [♆] 59 | 22 [°] 57 | 5 [°] 56 | 13 [°] 43 | 16 [°] 1 | 23 [°] 59 | 23 [°] 54 | 21 [°] 2 | 4 [°] 18 | 1 [°] 21 | 0 [°] 47 | 17 [°] 18 | n.a. |
| S 17 | 12 55 17 | 15 [°] 13'34 | 24 [°] 21 | 24 [°] 34 | 6 [°] 22 | 14 [°] 25 | 16 [°] 7 | 24 [°] 2 | 23 [°] 57 | 21 [°] 0 | 4 [°] 19 | 1 [°] 20 | 0 [°] 44 | 17 [°] 25 | n.a. |
| M 18 | 12 59 14 | 16 [°] 10'59 | 8 [♃] 0 | 26 [°] 13 | 6 [°] 50 | 15 [°] 6 | 16 [°] 12 | 24 [°] 5 | 24 [°] 0 | 20 [°] 59 | 4 [°] 19 | 1 [°] 19 | 0 [°] 41 | 17 [°] 32 | n.a. |
| T 19 | 13 3 10 | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1159 BCE

MAY 1159 BCE (-1158) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|-------|-------|--------|--------|-------|--------|-------|-------|-------|-------|------|---|---|---|---|---|---|---|---|
| S 1 | 13 50 29 | 28°35'43 | 8♁34 | 21♃0 | 14♁52 | 24♃4 | 17♁9 | 24♁33 | 24♁41 | 20°R38 | 4♁26 | 1°R10 | 0♃0 | 18♁59 | n.a. | | | | | | | | |
| M 2 | 13 54 26 | 29°32'53 | 21°24 | 23° 8 | 15°36 | 24°45 | 17°12 | 24°35 | 24°45 | 20°36 | 4°26 | 1° 6 | 29°56 | 19° 6 | n.a. | | | | | | | | |
| T 3 | 13 58 22 | 0♁30'02 | 3♁58 | 25°16 | 16°21 | 25°26 | 17°15 | 24°36 | 24°48 | 20°35 | 4°27 | 1° 2 | 29°53 | 19°12 | n.a. | | | | | | | | |
| W 4 | 14 2 19 | 1°27'12 | 16°19 | 27°26 | 17° 8 | 26° 6 | 17°18 | 24°38 | 24°51 | 20°33 | 4°27 | 0°57 | 29°50 | 19°19 | n.a. | | | | | | | | |
| T 5 | 14 6 15 | 2°24'20 | 28°27 | 29°37 | 17°55 | 26°47 | 17°20 | 24°39 | 24°55 | 20°31 | 4°27 | 0°52 | 29°47 | 19°26 | n.a. | | | | | | | | |
| F 6 | 14 10 12 | 3°21'29 | 10♁26 | 1♁49 | 18°42 | 27°28 | 17°23 | 24°40 | 24°58 | 20°30 | 4°28 | 0°49 | 29°44 | 19°33 | n.a. | | | | | | | | |
| S 7 | 14 14 8 | 4°18'37 | 22°20 | 4° 0 | 19°31 | 28° 9 | 17°25 | 24°41 | 25° 2 | 20°28 | 4°28 | 0°47 | 29°41 | 19°39 | n.a. | | | | | | | | |
| S 8 | 14 18 5 | 5°15'44 | 4♁13 | 6°12 | 20°20 | 28°50 | 17°27 | 24°42 | 25° 5 | 20°27 | 4°28 | 0°D46 | 29°37 | 19°46 | n.a. | | | | | | | | |
| M 9 | 14 22 1 | 6°12'52 | 16° 9 | 8°23 | 21°10 | 29°30 | 17°29 | 24°43 | 25° 9 | 20°25 | 4°28 | 0°46 | 29°34 | 19°53 | n.a. | | | | | | | | |
| T 10 | 14 25 58 | 7° 9'59 | 28°14 | 10°33 | 22° 1 | 0♁11 | 17°30 | 24°44 | 25°12 | 20°24 | 4°28 | 0°48 | 29°31 | 19°59 | n.a. | | | | | | | | |
| W11 | 14 29 55 | 8° 7'06 | 10♁32 | 12°43 | 22°52 | 0°52 | 17°32 | 24°44 | 25°16 | 20°22 | 4°28 | 0°49 | 29°28 | 20° 6 | n.a. | | | | | | | | |
| T 12 | 14 33 51 | 9° 4'13 | 1°3 8 | 14°52 | 23°44 | 1°32 | 17°33 | 24°45 | 25°19 | 20°21 | 4°29 | 0°50 | 29°25 | 20°13 | n.a. | | | | | | | | |
| F 13 | 14 37 48 | 10° 1'19 | 6♃4 | 17° 0 | 24°36 | 2°13 | 17°34 | 24°45 | 25°23 | 20°19 | 4°29 | 0°R50 | 29°21 | 20°20 | n.a. | | | | | | | | |
| S 14 | 14 41 44 | 10°58'26 | 19°24 | 19° 6 | 25°29 | 2°53 | 17°35 | 24°46 | 25°26 | 20°18 | 4°29 | 0°49 | 29°18 | 20°26 | n.a. | | | | | | | | |
| S 15 | 14 45 41 | 11°55'32 | 3♁ 5 | 21°10 | 26°23 | 3°34 | 17°36 | 24°46 | 25°30 | 20°16 | 4°29 | 0°46 | 29°15 | 20°33 | n.a. | | | | | | | | |
| M16 | 14 49 37 | 12°52'39 | 17° 8 | 23°13 | 27°17 | 4°14 | 17°36 | 24°46 | 25°33 | 20°15 | 4°R29 | 0°41 | 29°12 | 20°40 | n.a. | | | | | | | | |
| T 17 | 14 53 34 | 13°49'45 | 1♁27 | 25°14 | 28°12 | 4°55 | 17°36 | 24°R46 | 25°37 | 20°13 | 4°29 | 0°35 | 29° 9 | 20°46 | n.a. | | | | | | | | |
| W18 | 14 57 30 | 14°46'50 | 15°58 | 27°14 | 29° 7 | 5°35 | 17°R36 | 24°46 | 25°40 | 20°12 | 4°29 | 0°28 | 29° 6 | 20°53 | n.a. | | | | | | | | |
| T 19 | 15 1 27 | 15°43'56 | 0♁32 | 29°11 | 0♃3 | 6°15 | 17°36 | 24°46 | 25°44 | 20°10 | 4°29 | 0°22 | 29° 2 | 21° 0 | n.a. | | | | | | | | |
| F 20 | 15 5 24 | 16°41'01 | 15° 5 | 1♁ 6 | 0°59 | 6°56 | 17°36 | 24°46 | 25°47 | 20° 9 | 4°29 | 0°17 | 28°59 | 21° 7 | n.a. | | | | | | | | |
| S 21 | 15 9 20 | 17°38'06 | 29°31 | 2°59 | 1°55 | 7°36 | 17°36 | 24°46 | 25°51 | 20° 8 | 4°28 | 0°13 | 28°56 | 21°13 | n.a. | | | | | | | | |
| S 22 | 15 13 17 | 18°35'10 | 13♁45 | 4°50 | 2°52 | 8°16 | 17°35 | 24°45 | 25°55 | 20° 6 | 4°28 | 0°D12 | 28°53 | 21°20 | n.a. | | | | | | | | |
| M23 | 15 17 13 | 19°32'14 | 27°46 | 6°40 | 3°49 | 8°56 | 17°34 | 24°45 | 25°58 | 20° 5 | 4°28 | 0°12 | 28°50 | 21°27 | n.a. | | | | | | | | |
| T 24 | 15 21 10 | 20°29'18 | 11♁34 | 8°26 | 4°47 | 9°36 | 17°33 | 24°44 | 26° 2 | 20° 3 | 4°28 | 0°13 | 28°47 | 21°33 | n.a. | | | | | | | | |
| W25 | 15 25 6 | 21°26'22 | 25° 8 | 10°11 | 5°45 | 10°16 | 17°32 | 24°43 | 26° 5 | 20° 2 | 4°28 | 0°R14 | 28°43 | 21°40 | n.a. | | | | | | | | |
| T 26 | 15 29 3 | 22°23'25 | 8♁30 | 11°54 | 6°44 | 10°56 | 17°30 | 24°42 | 26° 9 | 20° 1 | 4°28 | 0°14 | 28°40 | 21°47 | n.a. | | | | | | | | |
| F 27 | 15 32 59 | 23°20'28 | 21°40 | 13°35 | 7°43 | 11°36 | 17°29 | 24°41 | 26°13 | 20° 0 | 4°27 | 0°12 | 28°37 | 21°54 | n.a. | | | | | | | | |
| S 28 | 15 36 56 | 24°17'31 | 4♁37 | 15°13 | 8°42 | 12°16 | 17°27 | 24°40 | 26°16 | 19°58 | 4°27 | 0° 7 | 28°34 | 22° 0 | n.a. | | | | | | | | |
| S 29 | 15 40 53 | 25°14'35 | 17°24 | 16°49 | 9°42 | 12°56 | 17°25 | 24°39 | 26°20 | 19°57 | 4°27 | 0° 1 | 28°31 | 22° 7 | n.a. | | | | | | | | |
| M30 | 15 44 49 | 26°11'38 | 29°58 | 18°24 | 10°42 | 13°36 | 17°23 | 24°38 | 26°24 | 19°56 | 4°27 | 29°52 | 28°27 | 22°14 | n.a. | | | | | | | | |
| T 31 | 15 48 46 | 27° 8'42 | 12♁22 | 19♁56 | 11°42 | 14♁15 | 17°20 | 24♁37 | 26♁27 | 19♁55 | 4♁26 | 29°42 | 28°24 | 22♁20 | n.a. | | | | | | | | |

Delta T = 08h03m54s Julian Calendar 1 May 1159 BCE == Greg. Calendar 20 Apr. 1159 BCE
 The year -1158 astronomical counting style corresponds to year 1159 B.C.E historical counting style.

JUNE 1159 BCE (-1158) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|--------|-------|-------|--------|--------|-------|--------|-------|--------|--------|-------|------|---|---|---|---|---|---|---|---|
| W 1 | 15 52 42 | 28° 5'46 | 24♁35 | 21♁26 | 12♃43 | 14♁55 | 17°R18 | 24°R35 | 26♁31 | 19°R53 | 4°R26 | 29°R31 | 28°R21 | 22♁27 | n.a. | | | | | | | | |
| T 2 | 15 56 39 | 29° 2'51 | 6♁39 | 22°53 | 13°44 | 15°35 | 17°15 | 24°34 | 26°34 | 19°52 | 4♁25 | 29°R21 | 28°18 | 22°34 | n.a. | | | | | | | | |
| F 3 | 16 0 35 | 29°59'56 | 18°35 | 24°19 | 14°45 | 16°15 | 17°12 | 24°32 | 26°38 | 19°51 | 4°25 | 29°13 | 28°15 | 22°41 | n.a. | | | | | | | | |
| S 4 | 16 4 32 | 0♁57'02 | 0♁27 | 25°42 | 15°47 | 16°54 | 17° 9 | 24°31 | 26°42 | 19°50 | 4°25 | 29° 6 | 28°12 | 22°47 | n.a. | | | | | | | | |
| S 5 | 16 8 28 | 1°54'09 | 12°18 | 27° 3 | 16°48 | 17°34 | 17° 6 | 24°29 | 26°45 | 19°49 | 4°24 | 29° 2 | 28° 8 | 22°54 | n.a. | | | | | | | | |
| M 6 | 16 12 25 | 2°51'16 | 24°13 | 28°22 | 17°50 | 18°14 | 17° 2 | 24°27 | 26°49 | 19°48 | 4°24 | 29° 0 | 28° 5 | 23° 1 | n.a. | | | | | | | | |
| T 7 | 16 16 22 | 3°48'24 | 6♁16 | 29°38 | 18°53 | 18°53 | 16°58 | 24°25 | 26°52 | 19°47 | 4°23 | 29°D 0 | 28° 2 | 23° 7 | n.a. | | | | | | | | |
| W 8 | 16 20 18 | 4°45'32 | 18°32 | 0♁52 | 19°56 | 19°33 | 16°55 | 24°23 | 26°56 | 19°46 | 4°23 | 29° 0 | 27°59 | 23°14 | n.a. | | | | | | | | |
| T 9 | 16 24 15 | 5°42'42 | 1° 7 | 2° 4 | 20°58 | 20°12 | 16°51 | 24°21 | 27° 0 | 19°45 | 4°22 | 29°R 1 | 27°56 | 23°21 | n.a. | | | | | | | | |
| F 10 | 16 28 11 | 6°39'52 | 14° 6 | 3°12 | 22° 2 | 20°52 | 16°46 | 24°18 | 27° 3 | 19°44 | 4°22 | 29° 0 | 27°52 | 23°28 | n.a. | | | | | | | | |
| S 11 | 16 32 8 | 7°37'03 | 27°31 | 4°19 | 23° 5 | 21°31 | 16°42 | 24°16 | 27° 7 | 19°43 | 4°21 | 28°57 | 27°49 | 23°34 | n.a. | | | | | | | | |
| S 12 | 16 36 4 | 8°34'16 | 11♁23 | 5°22 | 24° 9 | 22°10 | 16°38 | 24°14 | 27°10 | 19°42 | 4°21 | 28°51 | 27°46 | 23°41 | n.a. | | | | | | | | |
| M13 | 16 40 1 | 9°31'29 | 25°41 | 6°23 | 25°13 | 22°50 | 16°33 | 24°11 | 27°14 | 19°41 | 4°20 | 28°43 | 27°43 | 23°48 | n.a. | | | | | | | | |
| T 14 | 16 43 57 | 10°28'42 | 10♁21 | 7°21 | 26°17 | 23°29 | 16°28 | 24° 9 | 27°17 | 19°40 | 4°19 | 28°34 | 27°40 | 23°54 | n.a. | | | | | | | | |
| W15 | 16 47 54 | 11°25'57 | 25°15 | 8°16 | 27°21 | 24° 8 | 16°23 | 24° 6 | 27°21 | 19°39 | 4°19 | 28°23 | 27°37 | 24° 1 | n.a. | | | | | | | | |
| T 16 | 16 51 51 | 12°23'13 | 10♁14 | 9° 7 | 28°26 | 24°47 | 16°18 | 24° 3 | 27°25 | 19°38 | 4°18 | 28°14 | 27°33 | 24° 8 | n.a. | | | | | | | | |
| F 17 | 16 55 47 | 13°20'29 | 25° 9 | 9°56 | 29°30 | 25°27 | 16°12 | 24° 0 | 27°28 | 19°37 | 4°17 | 28° 5 | 27°30 | 24°15 | n.a. | | | | | | | | |
| S 18 | 16 59 44 | 14°17'45 | 9♁52 | 10°41 | 0♁35 | 26° 6 | 16° 7 | 23°57 | 27°32 | 19°37 | 4°17 | 27°59 | 27°27 | 24°21 | n.a. | | | | | | | | |
| S 19 | 17 3 40 | 15°15'03 | 24°17 | 11°22 | 1°40 | 26°45 | 16° 1 | 23°54 | 27°35 | 19°36 | 4°16 | 27°56 | 27°24 | 24°28 | n.a. | | | | | | | | |
| M20 | 17 7 37 | 16°12'20 | 8♁22 | 12° 0 | 2°46 | 27°24 | 15°56 | 23°51 | 27°39 | 19°35 | 4°15 | 27°54 | 27°21 | 24°35 | n.a. | | | | | | | | |
| T 21 | 17 11 33 | 17° 9'39 | 22° 5 | 12°33 | 3°51 | 28° 3 | 15°50 | 23°48 | 27°42 | 19°35 | 4°14 | 27°54 | 27°18 | 24°41 | n.a. | | | | | | | | |
| W22 | 17 15 30 | 18° 6'58 | 5♁30 | 13° 3 | 4°57 | 28°42 | 15°44 | 23°45 | 27°46 | 19°34 | 4°14 | 27°54 | 27°14 | 24°48 | n.a. | | | | | | | | |
| T 23 | 17 19 26 | 19° 4'18 | 18°37 | 13°28 | 6° 3 | 29°21 | 15°38 | 23°42 | 27°49 | 19°33 | 4°13 | 27°53 | 27°11 | 24°55 | n.a. | | | | | | | | |
| F 24 | 17 23 23 | 20° 1'38 | 1♁30 | 13°48 | 7° 9 | 0♁ 0 | 15°31 | 23°38 | 27°52 | 19°33 | 4°12 | 27°50 | 27° 8 | 25° 2 | n.a. | | | | | | | | |
| S 25 | 17 27 20 | 20°59'00 | 14°10 | 14° 4 | 8°15 | 0°39 | 15°25 | 23°35 | 27°56 | 19°32 | 4°11 | 27°43 | 27° 5 | 25° 8 | n.a. | | | | | | | | |
| S 26 | 17 31 16 | 21°56'22 | 26°39 | 14°16 | 9°21 | 1°18 | 15°18 | 23°32 | 27°59 | 19°32 | 4°10 | 27°34 | 27° 2 | 25°15 | n.a. | | | | | | | | |
| M27 | 17 35 13 | 22°53'46 | 8♁59 | 14°22 | 10°28 | 1°57 | 15°12 | 23°28 | 28° 3 | 19°31 | 4° 9 | 27°23 | 26°58 | 25°22 | n.a. | | | | | | | | |
| T 28 | 17 39 9 | 23°51'11 | 21°11 | 14°R23 | 11°35 | 2°35 | 15° 5 | 23°24 | 28° 6 | 19°31 | 4° 9 | 27°10 | 26°55 | 25°28 | n.a. | | | | | | | | |
| W29 | 17 43 6 | 24°48'37 | 3♁15 | 14°18 | 12°42 | 3°14 | 14°58 | 23°21 | 28° 9 | 19°30 | 4° 8 | 26°56 | 26°52 | 25°35 | n.a. | | | | | | | | |
| T 30 | 17 47 2 | 25°46'04 | 15♁12 | 14♁ 9 | 13♁49 | 3♁53 | 14♁51 | 23♁17 | 28♁13 | 19♁30 | 4♁ 7 | 26°43 | 26°49 | 25♁42 | n.a. | | | | | | | | |

Delta T = 08h03m52s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [20.1.2005]

SWISS EPHEMERIS for the year 1159 BCE

JULY 1159 BCE (-1158) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | ♂ |
|------|----------|-----------|---------|--------|--------|--------|--------|--------|-------|--------|-------|--------|-------|-------|------|
| F 1 | 17 50 59 | 26II43'32 | 27☾5 | 13°R54 | 14☽56 | 4II32 | 14°R44 | 23°R13 | 28☽16 | 19°R29 | 4°R 6 | 26°R31 | 26☾46 | 25☾48 | n.a. |
| S 2 | 17 54 56 | 27°41'02 | 8☽55 | 13☾34 | 16° 3 | 5°10 | 14☾37 | 23☾ 9 | 28°19 | 19☽29 | 4☽ 5 | 26☾22 | 26°43 | 25°55 | n.a. |
| S 3 | 17 58 52 | 28°38'34 | 20°45 | 13° 8 | 17°11 | 5°49 | 14°30 | 23° 5 | 28°22 | 19°29 | 4° 4 | 26°16 | 26°39 | 26° 2 | n.a. |
| M 4 | 18 2 49 | 29°36'06 | 2☾39 | 12°38 | 18°18 | 6°27 | 14°22 | 23° 1 | 28°26 | 19°28 | 4° 3 | 26°12 | 26°36 | 26° 9 | n.a. |
| T 5 | 18 6 45 | 0☽33'41 | 14°41 | 12° 3 | 19°26 | 7° 6 | 14°15 | 22°57 | 28°29 | 19°28 | 4° 2 | 26°10 | 26°33 | 26°15 | n.a. |
| W 6 | 18 10 42 | 1°31'17 | 26°55 | 11°23 | 20°34 | 7°45 | 14° 7 | 22°53 | 28°32 | 19°28 | 4° 1 | 26°10 | 26°30 | 26°22 | n.a. |
| T 7 | 18 14 38 | 2°28'54 | 9☽27 | 10°40 | 21°42 | 8°23 | 14° 0 | 22°49 | 28°35 | 19°28 | 4° 0 | 26°10 | 26°27 | 26°29 | n.a. |
| F 8 | 18 18 35 | 3°26'34 | 22°22 | 9°53 | 22°51 | 9° 2 | 13°52 | 22°45 | 28°38 | 19°27 | 3°59 | 26° 9 | 26°24 | 26°35 | n.a. |
| S 9 | 18 22 31 | 4°24'15 | 5☽45 | 9° 4 | 23°59 | 9°40 | 13°45 | 22°41 | 28°41 | 19°27 | 3°58 | 26° 6 | 26°20 | 26°42 | n.a. |
| S 10 | 18 26 28 | 5°21'58 | 19°37 | 8°14 | 25° 8 | 10°18 | 13°37 | 22°37 | 28°45 | 19°27 | 3°57 | 26° 1 | 26°17 | 26°49 | n.a. |
| M11 | 18 30 25 | 6°19'43 | 3II58 | 7°22 | 26°16 | 10°57 | 13°29 | 22°32 | 28°48 | 19°27 | 3°56 | 25°53 | 26°14 | 26°56 | n.a. |
| T 12 | 18 34 21 | 7°17'30 | 18°45 | 6°31 | 27°25 | 11°35 | 13°21 | 22°28 | 28°51 | 19°27 | 3°55 | 25°43 | 26°11 | 27° 2 | n.a. |
| W13 | 18 38 18 | 8°15'18 | 3☽51 | 5°42 | 28°34 | 12°14 | 13°14 | 22°24 | 28°54 | 19°D27 | 3°54 | 25°32 | 26° 8 | 27° 9 | n.a. |
| T 14 | 18 42 14 | 9°13'08 | 19° 5 | 4°54 | 29°43 | 12°52 | 13° 6 | 22°19 | 28°57 | 19°27 | 3°52 | 25°22 | 26° 5 | 27°16 | n.a. |
| F 15 | 18 46 11 | 10°11'00 | 4☽18 | 4°10 | 0II52 | 13°30 | 12°58 | 22°15 | 29° 0 | 19°27 | 3°51 | 25°13 | 26° 1 | 27°22 | n.a. |
| S 16 | 18 50 7 | 11° 8'53 | 19°18 | 3°30 | 2° 2 | 14° 8 | 12°50 | 22°10 | 29° 2 | 19°27 | 3°50 | 25° 7 | 25°58 | 27°29 | n.a. |
| S 17 | 18 54 4 | 12° 6'47 | 3III57 | 2°56 | 3°11 | 14°47 | 12°42 | 22° 6 | 29° 5 | 19°27 | 3°49 | 25° 3 | 25°55 | 27°36 | n.a. |
| M18 | 18 58 0 | 13° 4'43 | 18°13 | 2°27 | 4°20 | 15°25 | 12°34 | 22° 1 | 29° 8 | 19°27 | 3°48 | 25° 2 | 25°52 | 27°42 | n.a. |
| T 19 | 19 1 57 | 14° 2'40 | 2☽ 2 | 2° 5 | 5°30 | 16° 3 | 12°26 | 21°57 | 29°11 | 19°28 | 3°47 | 25°D 2 | 25°49 | 27°49 | n.a. |
| W20 | 19 5 54 | 15° 0'38 | 15°27 | 1°50 | 6°40 | 16°41 | 12°18 | 21°52 | 29°14 | 19°28 | 3°46 | 25°R 2 | 25°45 | 27°56 | n.a. |
| T 21 | 19 9 50 | 15°58'38 | 28°30 | 1°D43 | 7°50 | 17°19 | 12°11 | 21°48 | 29°17 | 19°28 | 3°44 | 25° 1 | 25°42 | 28° 3 | n.a. |
| F 22 | 19 13 47 | 16°56'40 | 11III15 | 1°44 | 9° 0 | 17°57 | 12° 3 | 21°43 | 29°19 | 19°28 | 3°43 | 24°59 | 25°39 | 28° 9 | n.a. |
| S 23 | 19 17 43 | 17°54'43 | 23°44 | 1°53 | 10°10 | 18°35 | 11°55 | 21°39 | 29°22 | 19°29 | 3°42 | 24°54 | 25°36 | 28°16 | n.a. |
| S 24 | 19 21 40 | 18°52'48 | 6☽ 2 | 2°10 | 11°20 | 19°13 | 11°47 | 21°34 | 29°25 | 19°29 | 3°41 | 24°46 | 25°33 | 28°23 | n.a. |
| M25 | 19 25 36 | 19°50'55 | 18°11 | 2°36 | 12°30 | 19°51 | 11°39 | 21°29 | 29°27 | 19°29 | 3°40 | 24°36 | 25°30 | 28°29 | n.a. |
| T 26 | 19 29 33 | 20°49'03 | 0☽12 | 3°10 | 13°41 | 20°29 | 11°32 | 21°25 | 29°30 | 19°30 | 3°39 | 24°25 | 25°26 | 28°36 | n.a. |
| W27 | 19 33 29 | 21°47'13 | 12° 9 | 3°52 | 14°51 | 21° 7 | 11°24 | 21°20 | 29°32 | 19°30 | 3°37 | 24°13 | 25°23 | 28°43 | n.a. |
| T 28 | 19 37 26 | 22°45'25 | 24° 2 | 4°41 | 16° 2 | 21°45 | 11°16 | 21°16 | 29°35 | 19°31 | 3°36 | 24° 2 | 25°20 | 28°49 | n.a. |
| F 29 | 19 41 23 | 23°43'38 | 5☽53 | 5°38 | 17°13 | 22°22 | 11° 9 | 21°11 | 29°37 | 19°31 | 3°35 | 23°51 | 25°17 | 28°56 | n.a. |
| S 30 | 19 45 19 | 24°41'54 | 17°44 | 6°43 | 18°23 | 23° 0 | 11° 1 | 21° 7 | 29°40 | 19°32 | 3°34 | 23°44 | 25°14 | 29° 3 | n.a. |
| S 31 | 19 49 16 | 25☽40'12 | 29☽36 | 7☽54 | 19II34 | 23II38 | 10☽54 | 21☾ 2 | 29☽42 | 19☽32 | 3☽32 | 23☾38 | 25☾10 | 29☾10 | n.a. |

Delta T = 08h03m50s Julian Calendar 1 July 1159 BCE == Greg. Calendar 20 June 1159 BCE
 The year -1158 astronomical counting style corresponds to year 1159 B.C.E historical counting style.

AUGUST 1159 BCE (-1158) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | ♂ |
|------|----------|----------|---------|--------|--------|--------|--------|--------|-------|-------|-------|--------|-------|-------|------|
| M 1 | 19 53 12 | 26☽38'31 | 11☾32 | 9☽11 | 20II45 | 24II16 | 10°R47 | 20°R57 | 29☽44 | 19☽33 | 3°R31 | 23°R35 | 25☾ 7 | 29☾16 | n.a. |
| T 2 | 19 57 9 | 27°36'53 | 23°36 | 10°33 | 21°57 | 24°53 | 10☾39 | 20☾53 | 29°47 | 19°34 | 3☽30 | 23°D34 | 25° 4 | 29°23 | n.a. |
| W 3 | 20 1 5 | 28°35'17 | 5☽52 | 12° 1 | 23° 8 | 25°31 | 10°32 | 20°48 | 29°49 | 19°34 | 3°29 | 23☾35 | 25° 1 | 29°30 | n.a. |
| T 4 | 20 5 2 | 29°33'44 | 18°24 | 13°34 | 24°19 | 26° 9 | 10°25 | 20°44 | 29°51 | 19°35 | 3°27 | 23°36 | 24°58 | 29°36 | n.a. |
| F 5 | 20 8 58 | 0☽32'13 | 1☽16 | 15°10 | 25°31 | 26°46 | 10°18 | 20°39 | 29°53 | 19°36 | 3°26 | 23°R37 | 24°55 | 29°43 | n.a. |
| S 6 | 20 12 55 | 1°30'44 | 14°33 | 16°50 | 26°42 | 27°24 | 10°11 | 20°35 | 29°56 | 19°36 | 3°25 | 23°36 | 24°51 | 29°50 | n.a. |
| S 7 | 20 16 52 | 2°29'17 | 28°17 | 18°33 | 27°54 | 28° 2 | 10° 5 | 20°30 | 29°58 | 19°37 | 3°24 | 23°33 | 24°48 | 29°56 | n.a. |
| M 8 | 20 20 48 | 3°27'53 | 12II30 | 20°18 | 29° 6 | 28°39 | 9°58 | 20°26 | 0II 0 | 19°38 | 3°23 | 23°28 | 24°45 | 0☽ 3 | n.a. |
| T 9 | 20 24 45 | 4°26'31 | 27° 9 | 22° 6 | 0☽17 | 29°17 | 9°51 | 20°21 | 0° 2 | 19°39 | 3°21 | 23°22 | 24°42 | 0°10 | n.a. |
| W10 | 20 28 41 | 5°25'12 | 12☽10 | 23°55 | 1°29 | 29°54 | 9°45 | 20°17 | 0° 4 | 19°40 | 3°20 | 23°14 | 24°39 | 0°17 | n.a. |
| T 11 | 20 32 38 | 6°23'55 | 27°24 | 25°45 | 2°41 | 0☽31 | 9°39 | 20°13 | 0° 6 | 19°41 | 3°19 | 23° 7 | 24°36 | 0°23 | n.a. |
| F 12 | 20 36 34 | 7°22'40 | 12☽41 | 27°36 | 3°53 | 1° 9 | 9°33 | 20° 8 | 0° 8 | 19°42 | 3°18 | 23° 1 | 24°32 | 0°30 | n.a. |
| S 13 | 20 40 31 | 8°21'26 | 27°49 | 29°27 | 5° 6 | 1°46 | 9°27 | 20° 4 | 0° 9 | 19°43 | 3°16 | 22°57 | 24°29 | 0°37 | n.a. |
| S 14 | 20 44 28 | 9°20'15 | 12III40 | 1☽19 | 6°18 | 2°24 | 9°21 | 20° 0 | 0°11 | 19°44 | 3°15 | 22°55 | 24°26 | 0°43 | n.a. |
| M15 | 20 48 24 | 10°19'06 | 27° 7 | 3°11 | 7°30 | 3° 1 | 9°15 | 19°56 | 0°13 | 19°45 | 3°14 | 22°D54 | 24°23 | 0°50 | n.a. |
| T 16 | 20 52 21 | 11°17'59 | 11☽ 7 | 5° 3 | 8°43 | 3°38 | 9° 9 | 19°52 | 0°15 | 19°46 | 3°13 | 22°55 | 24°20 | 0°57 | n.a. |
| W17 | 20 56 17 | 12°16'53 | 24°39 | 6°54 | 9°55 | 4°15 | 9° 4 | 19°48 | 0°16 | 19°47 | 3°11 | 22°57 | 24°16 | 1° 3 | n.a. |
| T 18 | 21 0 14 | 13°15'50 | 7III46 | 8°45 | 11° 8 | 4°53 | 8°59 | 19°44 | 0°18 | 19°48 | 3°10 | 22°R58 | 24°13 | 1°10 | n.a. |
| F 19 | 21 4 10 | 14°14'48 | 20°31 | 10°36 | 12°20 | 5°30 | 8°54 | 19°40 | 0°20 | 19°49 | 3° 9 | 22°58 | 24°10 | 1°17 | n.a. |
| S 20 | 21 8 7 | 15°13'48 | 2☽58 | 12°25 | 13°33 | 6° 7 | 8°49 | 19°36 | 0°21 | 19°50 | 3° 8 | 22°56 | 24° 7 | 1°24 | n.a. |
| S 21 | 21 12 3 | 16°12'50 | 15°11 | 14°15 | 14°46 | 6°44 | 8°44 | 19°32 | 0°22 | 19°51 | 3° 7 | 22°53 | 24° 4 | 1°30 | n.a. |
| M22 | 21 16 0 | 17°11'55 | 27°13 | 16° 3 | 15°59 | 7°21 | 8°39 | 19°28 | 0°24 | 19°53 | 3° 5 | 22°48 | 24° 1 | 1°37 | n.a. |
| T 23 | 21 19 57 | 18°11'01 | 9☾ 9 | 17°51 | 17°12 | 7°58 | 8°35 | 19°24 | 0°25 | 19°54 | 3° 4 | 22°42 | 23°57 | 1°44 | n.a. |
| W24 | 21 23 53 | 19°10'09 | 21° 2 | 19°37 | 18°25 | 8°35 | 8°31 | 19°21 | 0°27 | 19°55 | 3° 3 | 22°36 | 23°54 | 1°50 | n.a. |
| T 25 | 21 27 50 | 20° 9'19 | 2☽53 | 21°23 | 19°38 | 9°12 | 8°27 | 19°17 | 0°28 | 19°57 | 3° 2 | 22°30 | 23°51 | 1°57 | n.a. |
| F 26 | 21 31 46 | 21° 8'31 | 14°44 | 23° 9 | 20°51 | 9°49 | 8°23 | 19°14 | 0°29 | 19°58 | 3° 1 | 22°25 | 23°48 | 2° 4 | n.a. |
| S 27 | 21 35 43 | 22° 7'46 | 26°39 | 24°53 | 22° 4 | 10°26 | 8°19 | 19°10 | 0°30 | 19°59 | 2°59 | 22°21 | 23°45 | 2°10 | n.a. |
| S 28 | 21 39 39 | 23° 7'02 | 8☾38 | 26°36 | 23°18 | 11° 3 | 8°15 | 19° 7 | 0°31 | 20° 1 | 2°58 | 22°18 | 23°42 | 2°17 | n.a. |
| M29 | 21 43 36 | 24° 6'21 | 20°43 | 28°19 | 24°31 | 11°40 | 8°12 | 19° 3 | 0°32 | 20° 2 | 2°57 | 22°D17 | 23°38 | 2°24 | n.a. |
| T 30 | 21 47 32 | 25° 5'42 | 2☽56 | 0III 1 | 25°45 | 12°16 | 8° 9 | 19° 0 | 0°33 | 20° 4 | 2°56 | 22°18 | 23°35 | 2°31 | n.a. |
| W31 | 21 51 29 | 26☽ 5'05 | 15☽21 | 1III42 | 26☽58 | 12☽53 | 8☾ 6 | 18☾57 | 0II34 | 20☽ 5 | 2☽55 | 22☾19 | 23☾32 | 2☽37 | n.a. |

Delta T = 08h03m49s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [20.1.2005]

SWISS EPHEMERIS for the year 1159 BCE

SEPTEMBER 1159 BCE (-1158) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|-----------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|--------|-------|------|
| T 1 | 21 55 25 | 27°Ω 4'31 | 27°Υ59 | 3°η22 | 28°Σ12 | 13°Ϟ30 | 8°R 3 | 18°R54 | 0°Π35 | 20°Ω 7 | 2°R54 | 22°Χ21 | 23°Χ29 | 2°Ω44 | n.a. |
| F 2 | 21 59 22 | 28° 3'59 | 10°Ϟ55 | 5° 2 | 29°25 | 14° 6 | 8°R 0 | 18°Σ51 | 0°36 | 20° 8 | 2°Σ53 | 22°22 | 23°26 | 2°51 | n.a. |
| S 3 | 22 3 19 | 29° 3'30 | 24°10 | 6°40 | 0°Ω39 | 14°43 | 7°58 | 18°48 | 0°37 | 20°10 | 2°51 | 22°R23 | 23°22 | 2°57 | n.a. |
| S 4 | 22 7 15 | 0°η 3'04 | 7°Π47 | 8°18 | 1°53 | 15°20 | 7°56 | 18°45 | 0°38 | 20°11 | 2°50 | 22°23 | 23°19 | 3° 4 | n.a. |
| M 5 | 22 11 12 | 1° 2'39 | 21°48 | 9°56 | 3° 7 | 15°56 | 7°54 | 18°42 | 0°38 | 20°13 | 2°49 | 22°22 | 23°16 | 3°11 | n.a. |
| T 6 | 22 15 8 | 2° 2'18 | 6°Σ11 | 11°32 | 4°21 | 16°33 | 7°52 | 18°39 | 0°39 | 20°15 | 2°48 | 22°20 | 23°13 | 3°17 | n.a. |
| W 7 | 22 19 5 | 3° 1'58 | 20°54 | 13° 8 | 5°35 | 17° 9 | 7°50 | 18°37 | 0°40 | 20°16 | 2°47 | 22°17 | 23°10 | 3°24 | n.a. |
| T 8 | 22 23 1 | 4° 1'42 | 5°Ω51 | 14°43 | 6°49 | 17°46 | 7°49 | 18°34 | 0°40 | 20°18 | 2°46 | 22°15 | 23° 7 | 3°31 | n.a. |
| F 9 | 22 26 58 | 5° 1'27 | 20°54 | 16°18 | 8° 3 | 18°22 | 7°48 | 18°32 | 0°41 | 20°20 | 2°45 | 22°13 | 23° 3 | 3°37 | n.a. |
| S 10 | 22 30 55 | 6° 1'14 | 5°η54 | 17°52 | 9°17 | 18°59 | 7°47 | 18°29 | 0°41 | 20°21 | 2°44 | 22°11 | 23° 0 | 3°44 | n.a. |
| S 11 | 22 34 51 | 7° 1'04 | 20°43 | 19°25 | 10°31 | 19°35 | 7°46 | 18°27 | 0°41 | 20°23 | 2°43 | 22°D11 | 22°57 | 3°51 | n.a. |
| M12 | 22 38 48 | 8° 0'55 | 5°Ω14 | 20°58 | 11°46 | 20°11 | 7°45 | 18°25 | 0°42 | 20°25 | 2°42 | 22°11 | 22°54 | 3°58 | n.a. |
| T13 | 22 42 44 | 9° 0'49 | 19°20 | 22°30 | 13° 0 | 20°48 | 7°45 | 18°23 | 0°42 | 20°27 | 2°41 | 22°12 | 22°51 | 4° 4 | n.a. |
| W14 | 22 46 41 | 10° 0'44 | 3°Π 1 | 24° 1 | 14°14 | 21°24 | 7°45 | 18°21 | 0°42 | 20°28 | 2°40 | 22°13 | 22°48 | 4°11 | n.a. |
| T15 | 22 50 37 | 11° 0'41 | 16°15 | 25°32 | 15°29 | 22° 0 | 7°D45 | 18°19 | 0°42 | 20°30 | 2°39 | 22°14 | 22°44 | 4°18 | n.a. |
| F16 | 22 54 34 | 12° 0'41 | 29° 5 | 27° 2 | 16°43 | 22°36 | 7°45 | 18°17 | 0°42 | 20°32 | 2°38 | 22°15 | 22°41 | 4°24 | n.a. |
| S17 | 22 58 30 | 13° 0'42 | 11°Σ35 | 28°32 | 17°58 | 23°12 | 7°45 | 18°16 | 0°R42 | 20°34 | 2°37 | 22°R15 | 22°38 | 4°31 | n.a. |
| S18 | 23 2 27 | 14° 0'44 | 23°49 | 0°Ω 1 | 19°12 | 23°48 | 7°46 | 18°14 | 0°42 | 20°36 | 2°37 | 22°15 | 22°35 | 4°38 | n.a. |
| M19 | 23 6 23 | 15° 0'49 | 5°Σ50 | 1°29 | 20°27 | 24°25 | 7°47 | 18°12 | 0°42 | 20°38 | 2°36 | 22°15 | 22°32 | 4°44 | n.a. |
| T20 | 23 10 20 | 16° 0'55 | 17°44 | 2°57 | 21°41 | 25° 0 | 7°48 | 18°11 | 0°42 | 20°40 | 2°35 | 22°14 | 22°28 | 4°51 | n.a. |
| W21 | 23 14 17 | 17° 1'03 | 29°34 | 4°24 | 22°56 | 25°36 | 7°49 | 18°10 | 0°42 | 20°42 | 2°34 | 22°13 | 22°25 | 4°58 | n.a. |
| T22 | 23 18 13 | 18° 1'13 | 11°Σ25 | 5°51 | 24°11 | 26°12 | 7°50 | 18° 9 | 0°42 | 20°44 | 2°33 | 22°12 | 22°22 | 5° 4 | n.a. |
| F23 | 23 22 10 | 19° 1'24 | 23°20 | 7°16 | 25°26 | 26°48 | 7°52 | 18° 7 | 0°41 | 20°46 | 2°32 | 22°12 | 22°19 | 5°11 | n.a. |
| S24 | 23 26 6 | 20° 1'38 | 5°Χ20 | 8°42 | 26°40 | 27°24 | 7°54 | 18° 7 | 0°41 | 20°48 | 2°32 | 22°12 | 22°16 | 5°18 | n.a. |
| S25 | 23 30 3 | 21° 1'53 | 17°29 | 10° 6 | 27°55 | 28° 0 | 7°56 | 18° 6 | 0°41 | 20°50 | 2°31 | 22°12 | 22°13 | 5°24 | n.a. |
| M26 | 23 33 59 | 22° 2'10 | 29°48 | 11°29 | 29°10 | 28°35 | 7°58 | 18° 5 | 0°40 | 20°52 | 2°30 | 22°12 | 22° 9 | 5°31 | n.a. |
| T27 | 23 37 56 | 23° 2'28 | 12°Υ18 | 12°52 | 0°η25 | 29°11 | 8° 0 | 18° 4 | 0°40 | 20°54 | 2°29 | 22°12 | 22° 6 | 5°38 | n.a. |
| W28 | 23 41 52 | 24° 2'49 | 25° 1 | 14°14 | 1°40 | 29°47 | 8° 3 | 18° 4 | 0°39 | 20°56 | 2°29 | 22°11 | 22° 3 | 5°45 | n.a. |
| T29 | 23 45 49 | 25° 3'12 | 7°Σ56 | 15°34 | 2°55 | 0°Ω22 | 8° 6 | 18° 3 | 0°39 | 20°58 | 2°28 | 22°11 | 22° 0 | 5°51 | n.a. |
| F30 | 23 49 46 | 26°η 3'37 | 21°Σ 5 | 16°Ω54 | 4°η10 | 0°Ω58 | 8° 9 | 18° 3 | 0°Π38 | 21°Ω 0 | 2°Ω27 | 22°Χ11 | 21°Χ57 | 5°Ω58 | n.a. |

Delta T = 08h03m47s Julian Calendar 1 Sept. 1159 BCE == Greg. Calendar 21 Aug. 1159 BCE
 The year -1158 astronomical counting style corresponds to year 1159 B.C.E historical counting style.

OCTOBER 1159 BCE (-1158) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|-----|----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|-------|------|
| S 1 | 23 53 42 | 27°η 4'04 | 4°Π29 | 18°Ω12 | 5°η25 | 1°Ω33 | 8°Σ12 | 18°R 2 | 0°R37 | 21°Ω 2 | 2°R27 | 22°R10 | 21°Χ53 | 6°Ω 5 | n.a. |
| S 2 | 23 57 39 | 28° 4'33 | 18° 8 | 19°29 | 6°40 | 2° 9 | 8°15 | 18°Σ 2 | 0°Π37 | 21° 4 | 2°Ω26 | 22°Χ10 | 21°50 | 6°11 | n.a. |
| M 3 | 0 1 35 | 29° 5'05 | 2°Ω 3 | 20°45 | 7°55 | 2°44 | 8°19 | 18°D 2 | 0°36 | 21° 6 | 2°26 | 22°D10 | 21°47 | 6°18 | n.a. |
| T 4 | 0 5 32 | 0°Ω 5'38 | 16°11 | 21°59 | 9°10 | 3°19 | 8°23 | 18° 2 | 0°35 | 21° 8 | 2°25 | 22°10 | 21°44 | 6°25 | n.a. |
| W 5 | 0 9 28 | 1° 6'13 | 0°Ω33 | 23°11 | 10°26 | 3°55 | 8°27 | 18° 3 | 0°34 | 21°10 | 2°24 | 22°11 | 21°41 | 6°31 | n.a. |
| T 6 | 0 13 25 | 2° 6'51 | 15° 5 | 24°21 | 11°41 | 4°30 | 8°31 | 18° 3 | 0°33 | 21°13 | 2°24 | 22°12 | 21°38 | 6°38 | n.a. |
| F 7 | 0 17 21 | 3° 7'30 | 29°42 | 25°29 | 12°56 | 5° 5 | 8°35 | 18° 3 | 0°32 | 21°15 | 2°23 | 22°12 | 21°34 | 6°45 | n.a. |
| S 8 | 0 21 18 | 4° 8'10 | 14°η19 | 26°34 | 14°11 | 5°40 | 8°39 | 18° 4 | 0°31 | 21°17 | 2°23 | 22°13 | 21°31 | 6°51 | n.a. |
| S 9 | 0 25 15 | 5° 8'53 | 28°50 | 27°36 | 15°27 | 6°15 | 8°44 | 18° 4 | 0°30 | 21°19 | 2°22 | 22°R13 | 21°28 | 6°58 | n.a. |
| M10 | 0 29 11 | 6° 9'37 | 13°Ω 9 | 28°34 | 16°42 | 6°50 | 8°49 | 18° 5 | 0°29 | 21°21 | 2°22 | 22°12 | 21°25 | 7° 5 | n.a. |
| T11 | 0 33 8 | 7°10'23 | 27°11 | 29°29 | 17°57 | 7°25 | 8°54 | 18° 6 | 0°27 | 21°24 | 2°22 | 22°11 | 21°22 | 7°11 | n.a. |
| W12 | 0 37 4 | 8°11'10 | 10°Π51 | 0°Ω20 | 19°13 | 8° 0 | 8°59 | 18° 7 | 0°26 | 21°26 | 2°21 | 22° 9 | 21°19 | 7°18 | n.a. |
| T13 | 0 41 1 | 9°11'58 | 24° 9 | 1° 6 | 20°28 | 8°35 | 9° 5 | 18° 8 | 0°25 | 21°28 | 2°21 | 22° 6 | 21°15 | 7°25 | n.a. |
| F14 | 0 44 57 | 10°12'48 | 7°Σ 3 | 1°46 | 21°43 | 9°10 | 9°10 | 18° 9 | 0°23 | 21°30 | 2°20 | 22° 4 | 21°12 | 7°31 | n.a. |
| S15 | 0 48 54 | 11°13'39 | 19°37 | 2°20 | 22°59 | 9°44 | 9°16 | 18°10 | 0°22 | 21°32 | 2°20 | 22° 2 | 21° 9 | 7°38 | n.a. |
| S16 | 0 52 50 | 12°14'31 | 1°Σ53 | 2°47 | 24°14 | 10°19 | 9°22 | 18°11 | 0°21 | 21°35 | 2°20 | 22° 0 | 21° 6 | 7°45 | n.a. |
| M17 | 0 56 47 | 13°15'24 | 13°56 | 3° 7 | 25°30 | 10°54 | 9°28 | 18°13 | 0°19 | 21°37 | 2°20 | 22°D 0 | 21° 3 | 7°52 | n.a. |
| T18 | 1 0 44 | 14°16'18 | 25°50 | 3°18 | 26°45 | 11°28 | 9°34 | 18°14 | 0°18 | 21°39 | 2°19 | 22° 0 | 20°59 | 7°58 | n.a. |
| W19 | 1 4 40 | 15°17'14 | 7°Σ40 | 3°R20 | 28° 1 | 12° 2 | 9°41 | 18°16 | 0°16 | 21°41 | 2°19 | 22° 2 | 20°56 | 8° 5 | n.a. |
| T20 | 1 8 37 | 16°18'10 | 19°31 | 3°12 | 29°16 | 12°37 | 9°48 | 18°18 | 0°14 | 21°44 | 2°19 | 22° 3 | 20°53 | 8°12 | n.a. |
| F21 | 1 12 33 | 17°19'07 | 1°Χ28 | 2°54 | 0°Ω31 | 13°11 | 9°54 | 18°20 | 0°13 | 21°46 | 2°19 | 22° 5 | 20°50 | 8°18 | n.a. |
| S22 | 1 16 30 | 18°20'05 | 13°34 | 2°25 | 1°47 | 13°45 | 10° 1 | 18°22 | 0°11 | 21°48 | 2°19 | 22° 6 | 20°47 | 8°25 | n.a. |
| S23 | 1 20 26 | 19°21'05 | 25°52 | 1°44 | 3° 2 | 14°19 | 10° 8 | 18°24 | 0° 9 | 21°50 | 2°18 | 22°R 7 | 20°44 | 8°32 | n.a. |
| M24 | 1 24 23 | 20°22'05 | 8°Υ26 | 0°53 | 4°18 | 14°54 | 10°16 | 18°26 | 0° 7 | 21°53 | 2°18 | 22° 5 | 20°40 | 8°38 | n.a. |
| T25 | 1 28 19 | 21°23'06 | 21°15 | 29°Ω52 | 5°34 | 15°28 | 10°23 | 18°28 | 0° 6 | 21°55 | 2°18 | 22° 3 | 20°37 | 8°45 | n.a. |
| W26 | 1 32 16 | 22°24'08 | 4°Σ21 | 28°43 | 6°49 | 16° 1 | 10°31 | 18°30 | 0° 4 | 21°57 | 2°18 | 21°59 | 20°34 | 8°52 | n.a. |
| T27 | 1 36 13 | 23°25'12 | 17°42 | 27°26 | 8° 5 | 16°35 | 10°38 | 18°33 | 0° 2 | 21°59 | 2°18 | 21°54 | 20°31 | 8°58 | n.a. |
| F28 | 1 40 9 | 24°26'17 | 1°Π16 | 26° 5 | 9°20 | 17° 9 | 10°46 | 18°35 | 0° 0 | 22° 2 | 2°D18 | 21°48 | 20°28 | 9° 5 | n.a. |
| S29 | 1 44 6 | 25°27'23 | 15° 1 | 24°42 | 10°36 | 17°43 | 10°54 | 18°38 | 29°Σ58 | 22° 4 | 2°18 | 21°43 | 20°25 | 9°12 | n.a. |
| S30 | 1 48 2 | 26°28'30 | 28°55 | 23°21 | 11°51 | 18°17 | 11° 2 | 18°41 | 29°56 | 22° 6 | 2°18 | 21°39 | 20°21 | 9°18 | n.a. |
| M31 | 1 51 59 | 27°Ω29'38 | 12°Σ55 | 22°Ω 2 | 13°Ω 7 | 18°Ω50 | 11°Σ11 | 18°Σ44 | 29°Σ54 | 22°Ω 8 | 2°Ω18 | 21°Χ36 | 20°Χ18 | 9°Ω25 | n.a. |

Delta T = 08h03m45s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [20.1.2005]

SWISS EPHEMERIS for the year 1159 BCE

NOVEMBER 1159 BCE (-1158) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♁ | ♃ | ♄ |
|------|---------|----------|-------|--------|-------|-------|-------|-------|--------|-------|------|--------|-------|-------|------|
| T 1 | 1 55 55 | 28♂30'47 | 27♂1 | 20°R51 | 14♂22 | 19♂24 | 11♂19 | 18♂47 | 29°R52 | 22♂11 | 2♂18 | 21°D35 | 20♂15 | 9♂32 | n.a. |
| W 2 | 1 59 52 | 29°31'58 | 11♂9 | 19♂47 | 15°38 | 19°57 | 11°28 | 18°50 | 29♂50 | 22°13 | 2°18 | 21♂36 | 20°12 | 9°38 | n.a. |
| T 3 | 2 3 48 | 0♂33'09 | 25°20 | 18°53 | 16°54 | 20°30 | 11°37 | 18°53 | 29°48 | 22°15 | 2°19 | 21°37 | 20° 9 | 9°45 | n.a. |
| F 4 | 2 7 45 | 1°34'22 | 9♂30 | 18°10 | 18° 9 | 21° 3 | 11°45 | 18°56 | 29°45 | 22°17 | 2°19 | 21°39 | 20° 5 | 9°52 | n.a. |
| S 5 | 2 11 42 | 2°35'35 | 23°38 | 17°38 | 19°25 | 21°37 | 11°54 | 19° 0 | 29°43 | 22°20 | 2°19 | 21°R39 | 20° 2 | 9°58 | n.a. |
| S 6 | 2 15 38 | 3°36'49 | 7♂41 | 17°17 | 20°40 | 22°10 | 12° 4 | 19° 3 | 29°41 | 22°22 | 2°19 | 21°38 | 19°59 | 10° 5 | n.a. |
| M 7 | 2 19 35 | 4°38'04 | 21°36 | 17°D 7 | 21°56 | 22°43 | 12°13 | 19° 7 | 29°39 | 22°24 | 2°19 | 21°35 | 19°56 | 10°12 | n.a. |
| T 8 | 2 23 31 | 5°39'20 | 5♂19 | 17° 8 | 23°12 | 23°15 | 12°22 | 19°10 | 29°36 | 22°26 | 2°20 | 21°29 | 19°53 | 10°18 | n.a. |
| W 9 | 2 27 28 | 6°40'36 | 18°48 | 17°18 | 24°27 | 23°48 | 12°32 | 19°14 | 29°34 | 22°29 | 2°20 | 21°22 | 19°50 | 10°25 | n.a. |
| T 10 | 2 31 24 | 7°41'53 | 1♂58 | 17°37 | 25°43 | 24°21 | 12°42 | 19°18 | 29°32 | 22°31 | 2°20 | 21°13 | 19°46 | 10°32 | n.a. |
| F 11 | 2 35 21 | 8°43'10 | 14°50 | 18° 4 | 26°58 | 24°53 | 12°51 | 19°22 | 29°29 | 22°33 | 2°21 | 21° 4 | 19°43 | 10°39 | n.a. |
| S 12 | 2 39 17 | 9°44'27 | 27°24 | 18°38 | 28°14 | 25°26 | 13° 1 | 19°26 | 29°27 | 22°35 | 2°21 | 20°56 | 19°40 | 10°45 | n.a. |
| S 13 | 2 43 14 | 10°45'45 | 9♂40 | 19°19 | 29°30 | 25°58 | 13°11 | 19°30 | 29°25 | 22°37 | 2°21 | 20°49 | 19°37 | 10°52 | n.a. |
| M14 | 2 47 11 | 11°47'02 | 21°44 | 20° 5 | 0♂45 | 26°30 | 13°22 | 19°34 | 29°22 | 22°40 | 2°22 | 20°45 | 19°34 | 10°59 | n.a. |
| T 15 | 2 51 7 | 12°48'20 | 3♂38 | 20°57 | 2° 1 | 27° 3 | 13°32 | 19°38 | 29°20 | 22°42 | 2°22 | 20°42 | 19°31 | 11° 5 | n.a. |
| W16 | 2 55 4 | 13°49'38 | 15°27 | 21°53 | 3°16 | 27°35 | 13°42 | 19°42 | 29°17 | 22°44 | 2°23 | 20°D42 | 19°27 | 11°12 | n.a. |
| T 17 | 2 59 0 | 14°50'55 | 27°17 | 22°53 | 4°32 | 28° 6 | 13°53 | 19°47 | 29°15 | 22°46 | 2°23 | 20°43 | 19°24 | 11°19 | n.a. |
| F 18 | 3 2 57 | 15°52'12 | 9♂14 | 23°56 | 5°47 | 28°38 | 14° 3 | 19°51 | 29°12 | 22°48 | 2°24 | 20°44 | 19°21 | 11°25 | n.a. |
| S 19 | 3 6 53 | 16°53'30 | 21°21 | 25° 2 | 7° 3 | 29°10 | 14°14 | 19°56 | 29°10 | 22°50 | 2°24 | 20°R44 | 19°18 | 11°32 | n.a. |
| S 20 | 3 10 50 | 17°54'47 | 3♂45 | 26°12 | 8°18 | 29°41 | 14°25 | 20° 0 | 29° 7 | 22°52 | 2°25 | 20°43 | 19°15 | 11°39 | n.a. |
| M21 | 3 14 46 | 18°56'04 | 16°27 | 27°23 | 9°34 | 0♂13 | 14°36 | 20° 5 | 29° 5 | 22°54 | 2°26 | 20°40 | 19°11 | 11°45 | n.a. |
| T 22 | 3 18 43 | 19°57'21 | 29°32 | 28°37 | 10°50 | 0°44 | 14°47 | 20°10 | 29° 2 | 22°56 | 2°26 | 20°34 | 19° 8 | 11°52 | n.a. |
| W23 | 3 22 40 | 20°58'37 | 12♂58 | 29°52 | 12° 5 | 1°15 | 14°58 | 20°15 | 28°59 | 22°59 | 2°27 | 20°26 | 19° 5 | 11°59 | n.a. |
| T 24 | 3 26 36 | 21°59'54 | 26°45 | 1♂9 | 13°21 | 1°46 | 15° 9 | 20°20 | 28°57 | 23° 1 | 2°27 | 20°16 | 19° 2 | 12° 5 | n.a. |
| F 25 | 3 30 33 | 23° 1'11 | 10♂47 | 2°28 | 14°36 | 2°17 | 15°21 | 20°25 | 28°54 | 23° 3 | 2°28 | 20° 5 | 18°59 | 12°12 | n.a. |
| S 26 | 3 34 29 | 24° 2'27 | 25° 2 | 3°48 | 15°52 | 2°48 | 15°32 | 20°30 | 28°52 | 23° 5 | 2°29 | 19°55 | 18°56 | 12°19 | n.a. |
| S 27 | 3 38 26 | 25° 3'44 | 9♂22 | 5° 9 | 17° 7 | 3°19 | 15°44 | 20°35 | 28°49 | 23° 7 | 2°30 | 19°46 | 18°52 | 12°25 | n.a. |
| M28 | 3 42 22 | 26° 5'00 | 7♂43 | 6°31 | 18°23 | 3°49 | 15°55 | 20°40 | 28°47 | 23° 9 | 2°30 | 19°39 | 18°49 | 12°32 | n.a. |
| T 29 | 3 46 19 | 27° 6'17 | 2♂59 | 7°55 | 19°38 | 4°20 | 16° 7 | 20°46 | 28°44 | 23°11 | 2°31 | 19°35 | 18°46 | 12°39 | n.a. |
| W30 | 3 50 15 | 28♂7'33 | 22♂10 | 9♂19 | 20♂54 | 4♂50 | 16♂19 | 20♂51 | 28♂41 | 23♂13 | 2♂32 | 19♂34 | 18♂43 | 12♂45 | n.a. |

Delta T = 08h03m44s Julian Calendar 1 Nov. 1159 BCE == Greg. Calendar 21 Oct. 1159 BCE
 The year -1158 astronomical counting style corresponds to year 1159 B.C.E historical counting style.

DECEMBER 1159 BCE (-1158) JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♁ | ♃ | ♄ |
|------|---------|----------|-------|-------|-------|-------|-------|-------|--------|-------|------|--------|-------|-------|------|
| T 1 | 3 54 12 | 29♂8'50 | 6♂12 | 10♂44 | 22♂9 | 5♂20 | 16♂31 | 20♂57 | 28°R39 | 23♂14 | 2♂33 | 19°D34 | 18♂40 | 12♂52 | n.a. |
| F 2 | 3 58 9 | 0♂10'06 | 20° 6 | 12°10 | 23°24 | 5°50 | 16°43 | 21° 2 | 28♂36 | 23°16 | 2°34 | 19°R34 | 18°36 | 12°59 | n.a. |
| S 3 | 4 2 5 | 1°11'22 | 3♂52 | 13°36 | 24°40 | 6°20 | 16°55 | 21° 8 | 28°34 | 23°18 | 2°34 | 19♂33 | 18°33 | 13° 5 | n.a. |
| S 4 | 4 6 2 | 2°12'38 | 17°29 | 15° 3 | 25°55 | 6°50 | 17° 7 | 21°13 | 28°31 | 23°20 | 2°35 | 19°30 | 18°30 | 13°12 | n.a. |
| M 5 | 4 9 58 | 3°13'53 | 0♂57 | 16°31 | 27°11 | 7°19 | 17°20 | 21°19 | 28°28 | 23°22 | 2°36 | 19°25 | 18°27 | 13°19 | n.a. |
| T 6 | 4 13 55 | 4°15'09 | 14°15 | 17°59 | 28°26 | 7°48 | 17°32 | 21°25 | 28°26 | 23°24 | 2°37 | 19°16 | 18°24 | 13°25 | n.a. |
| W 7 | 4 17 51 | 5°16'23 | 27°22 | 19°28 | 29°42 | 8°18 | 17°44 | 21°31 | 28°23 | 23°26 | 2°38 | 19° 4 | 18°21 | 13°32 | n.a. |
| T 8 | 4 21 48 | 6°17'38 | 10♂16 | 20°58 | 0♂57 | 8°47 | 17°57 | 21°37 | 28°21 | 23°27 | 2°39 | 18°51 | 18°17 | 13°39 | n.a. |
| F 9 | 4 25 44 | 7°18'51 | 22°56 | 22°28 | 2°12 | 9°15 | 18° 9 | 21°43 | 28°18 | 23°29 | 2°40 | 18°37 | 18°14 | 13°45 | n.a. |
| S 10 | 4 29 41 | 8°20'04 | 5♂22 | 23°59 | 3°28 | 9°44 | 18°22 | 21°49 | 28°15 | 23°31 | 2°41 | 18°23 | 18°11 | 13°52 | n.a. |
| S 11 | 4 33 38 | 9°21'16 | 17°35 | 25°30 | 4°43 | 10°12 | 18°35 | 21°55 | 28°13 | 23°33 | 2°42 | 18°12 | 18° 8 | 13°59 | n.a. |
| M12 | 4 37 34 | 10°22'27 | 29°36 | 27° 2 | 5°59 | 10°41 | 18°48 | 22° 1 | 28°10 | 23°34 | 2°43 | 18° 3 | 18° 5 | 14° 5 | n.a. |
| T 13 | 4 41 31 | 11°23'37 | 11♂28 | 28°35 | 7°14 | 11° 9 | 19° 1 | 22° 7 | 28° 8 | 23°36 | 2°44 | 17°57 | 18° 2 | 14°12 | n.a. |
| W14 | 4 45 27 | 12°24'45 | 23°16 | 0♂8 | 8°29 | 11°37 | 19°13 | 22°13 | 28° 5 | 23°38 | 2°45 | 17°53 | 17°58 | 14°19 | n.a. |
| T 15 | 4 49 24 | 13°25'53 | 5♂5 | 1°41 | 9°45 | 12° 4 | 19°26 | 22°20 | 28° 3 | 23°39 | 2°46 | 17°52 | 17°55 | 14°25 | n.a. |
| F 16 | 4 53 20 | 14°26'59 | 16°59 | 3°15 | 11° 0 | 12°32 | 19°40 | 22°26 | 28° 0 | 23°41 | 2°48 | 17°52 | 17°52 | 14°32 | n.a. |
| S 17 | 4 57 17 | 15°28'04 | 29° 4 | 4°50 | 12°15 | 12°59 | 19°53 | 22°32 | 27°58 | 23°43 | 2°49 | 17°52 | 17°49 | 14°39 | n.a. |
| S 18 | 5 1 13 | 16°29'08 | 11♂27 | 6°25 | 13°31 | 13°26 | 20° 6 | 22°39 | 27°55 | 23°44 | 2°50 | 17°50 | 17°46 | 14°45 | n.a. |
| M19 | 5 5 10 | 17°30'10 | 24°11 | 8° 1 | 14°46 | 13°53 | 20°19 | 22°45 | 27°53 | 23°46 | 2°51 | 17°47 | 17°42 | 14°52 | n.a. |
| T 20 | 5 9 7 | 18°31'11 | 7♂20 | 9°38 | 16° 1 | 14°19 | 20°32 | 22°52 | 27°51 | 23°47 | 2°52 | 17°40 | 17°39 | 14°59 | n.a. |
| W21 | 5 13 3 | 19°32'11 | 20°56 | 11°15 | 17°16 | 14°46 | 20°46 | 22°58 | 27°48 | 23°49 | 2°53 | 17°31 | 17°36 | 15° 5 | n.a. |
| T 22 | 5 17 0 | 20°33'10 | 4♂59 | 12°52 | 18°32 | 15°12 | 20°59 | 23° 5 | 27°46 | 23°50 | 2°55 | 17°20 | 17°33 | 15°12 | n.a. |
| F 23 | 5 20 56 | 21°34'07 | 19°23 | 14°31 | 19°47 | 15°38 | 21°13 | 23°12 | 27°44 | 23°51 | 2°56 | 17° 7 | 17°30 | 15°19 | n.a. |
| S 24 | 5 24 53 | 22°35'03 | 4♂4 | 16°10 | 21° 2 | 16° 4 | 21°26 | 23°18 | 27°41 | 23°53 | 2°57 | 16°55 | 17°27 | 15°25 | n.a. |
| S 25 | 5 28 49 | 23°35'58 | 18°52 | 17°50 | 22°17 | 16°29 | 21°40 | 23°25 | 27°39 | 23°54 | 2°58 | 16°45 | 17°23 | 15°32 | n.a. |
| M26 | 5 32 46 | 24°36'52 | 3♂40 | 19°31 | 23°32 | 16°54 | 21°53 | 23°32 | 27°37 | 23°56 | 3° 0 | 16°37 | 17°20 | 15°39 | n.a. |
| T 27 | 5 36 43 | 25°37'45 | 18°19 | 21°12 | 24°48 | 17°19 | 22° 7 | 23°39 | 27°35 | 23°57 | 3° 1 | 16°32 | 17°17 | 15°45 | n.a. |
| W28 | 5 40 39 | 26°38'36 | 2♂46 | 22°54 | 26° 3 | 17°44 | 22°21 | 23°46 | 27°32 | 23°58 | 3° 2 | 16°30 | 17°14 | 15°52 | n.a. |
| T 29 | 5 44 36 | 27°39'27 | 16°56 | 24°37 | 27°18 | 18° 8 | 22°35 | 23°53 | 27°30 | 23°59 | 3° 4 | 16°D29 | 17°11 | 15°59 | n.a. |
| F 30 | 5 48 32 | 28°40'16 | 0♂49 | 26°20 | 28°33 | 18°33 | 22°48 | 24° 0 | 27°28 | 24° 1 | 3° 5 | 16°R29 | 17° 8 | 16° 5 | n.a. |
| S 31 | 5 52 29 | 29♂41'04 | 14♂26 | 28♂5 | 29♂48 | 18♂56 | 23♂2 | 24♂7 | 27♂26 | 24♂2 | 3♂6 | 16♂28 | 17♂4 | 16♂12 | n.a. |

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