

SWISS EPHEMERIS for the year 2458 BCE

JANUARY 2458 BCE (-2457) JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽       | ♀      | ♁      | ♂     | ♃      | ♄      | ♅      | ♆      | ♇      | ♈      | ♉      | ♊      | ♋    | ♌ | ♍ |
|------|---------|----------|---------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|------|---|---|
| S 1  | 5 17 48 | 21°41'16 | 14°52   | 29°R 2 | 27°M27 | 4°R 3 | 8°R53  | 26°M49 | 29°M55 | 15°M44 | 13°M16 | 21°Z0  | 22°Z39 | 29°Z38 | n.a. |   |   |
| S 2  | 5 21 45 | 22°41'41 | 28°58   | 28°7 8 | 28°41  | 4°R 2 | 8°II46 | 26°56  | 29°58  | 15°46  | 13°16  | 21°R20 | 22°36  | 29°45  | n.a. |   |   |
| M 3  | 5 25 41 | 23°42'04 | 12°54   | 27° 9  | 29°55  | 4°D 2 | 8°38   | 27° 3  | 0°7 1  | 15°47  | 13°16  | 21°19  | 22°33  | 29°51  | n.a. |   |   |
| T 4  | 5 29 38 | 24°42'26 | 26°41   | 26° 6  | 1°710  | 4° 2  | 8°31   | 27° 9  | 0° 5   | 15°49  | 13°16  | 21°16  | 22°30  | 29°58  | n.a. |   |   |
| W 5  | 5 33 34 | 25°42'46 | 10°M16  | 25° 0  | 2°24   | 4° 4  | 8°23   | 27°16  | 0° 8   | 15°51  | 13°R16 | 21°13  | 22°27  | 0°7 5  | n.a. |   |   |
| T 6  | 5 37 31 | 26°43'05 | 23°39   | 23°54  | 3°38   | 4° 6  | 8°16   | 27°22  | 0°11   | 15°53  | 13°16  | 21° 9  | 22°23  | 0°12   | n.a. |   |   |
| F 7  | 5 41 27 | 27°43'21 | 6°49    | 22°50  | 4°52   | 4° 8  | 8° 9   | 27°29  | 0°15   | 15°55  | 13°16  | 21° 5  | 22°20  | 0°18   | n.a. |   |   |
| S 8  | 5 45 24 | 28°43'36 | 19°45   | 21°47  | 6° 6   | 4°12  | 8° 2   | 27°35  | 0°18   | 15°57  | 13°16  | 21° 2  | 22°17  | 0°25   | n.a. |   |   |
| S 9  | 5 49 21 | 29°43'49 | 2°Z27   | 20°49  | 7°21   | 4°16  | 7°55   | 27°42  | 0°21   | 15°58  | 13°16  | 21° 0  | 22°14  | 0°32   | n.a. |   |   |
| M10  | 5 53 17 | 0°Z44'00 | 14°55   | 19°55  | 8°35   | 4°21  | 7°48   | 27°48  | 0°24   | 16° 0  | 13°16  | 20°D59 | 22°11  | 0°38   | n.a. |   |   |
| T 11 | 5 57 14 | 1°44'08  | 27° 9   | 19° 7  | 9°49   | 4°26  | 7°41   | 27°55  | 0°27   | 16° 2  | 13°16  | 20°59  | 22° 8  | 0°45   | n.a. |   |   |
| W12  | 6 1 10  | 2°44'15  | 9°M13   | 18°25  | 11° 3  | 4°32  | 7°35   | 28° 1  | 0°30   | 16° 4  | 13°16  | 21° 0  | 22° 4  | 0°52   | n.a. |   |   |
| T 13 | 6 5 7   | 3°44'19  | 21° 8   | 17°50  | 12°17  | 4°39  | 7°28   | 28° 7  | 0°33   | 16° 5  | 13°15  | 21° 1  | 22° 1  | 0°58   | n.a. |   |   |
| F 14 | 6 9 3   | 4°44'21  | 2°X59   | 17°22  | 13°32  | 4°46  | 7°22   | 28°14  | 0°37   | 16° 7  | 13°15  | 21° 2  | 21°58  | 1° 5   | n.a. |   |   |
| S 15 | 6 13 0  | 5°44'20  | 14°48   | 17° 1  | 14°46  | 4°54  | 7°15   | 28°20  | 0°40   | 16° 9  | 13°15  | 21° 4  | 21°55  | 1°12   | n.a. |   |   |
| S 16 | 6 16 56 | 6°44'17  | 26°41   | 16°47  | 16° 0  | 5° 3  | 7° 9   | 28°26  | 0°43   | 16°10  | 13°14  | 21° 5  | 21°52  | 1°18   | n.a. |   |   |
| M17  | 6 20 53 | 7°44'12  | 8°Y43   | 16°39  | 17°14  | 5°12  | 7° 3   | 28°32  | 0°46   | 16°12  | 13°14  | 21°R 5 | 21°49  | 1°25   | n.a. |   |   |
| T 18 | 6 24 50 | 8°44'04  | 20°57   | 16°D38 | 18°28  | 5°22  | 6°57   | 28°38  | 0°49   | 16°13  | 13°14  | 21° 5  | 21°45  | 1°32   | n.a. |   |   |
| W19  | 6 28 46 | 9°43'53  | 3°X29   | 16°43  | 19°42  | 5°33  | 6°52   | 28°44  | 0°51   | 16°15  | 13°13  | 21° 4  | 21°42  | 1°38   | n.a. |   |   |
| T 20 | 6 32 43 | 10°43'41 | 16°22   | 16°54  | 20°56  | 5°44  | 6°46   | 28°50  | 0°54   | 16°16  | 13°13  | 21° 3  | 21°39  | 1°45   | n.a. |   |   |
| F 21 | 6 36 39 | 11°43'26 | 29°39   | 17°11  | 22°10  | 5°55  | 6°41   | 28°56  | 0°57   | 16°18  | 13°12  | 21° 1  | 21°36  | 1°52   | n.a. |   |   |
| S 22 | 6 40 36 | 12°43'09 | 13°II20 | 17°33  | 23°25  | 6° 7  | 6°35   | 29° 2  | 1° 0   | 16°19  | 13°12  | 21° 0  | 21°33  | 1°58   | n.a. |   |   |
| S 23 | 6 44 32 | 13°42'49 | 27°26   | 18° 0  | 24°39  | 6°20  | 6°30   | 29° 8  | 1° 3   | 16°21  | 13°11  | 20°59  | 21°29  | 2° 5   | n.a. |   |   |
| M24  | 6 48 29 | 14°42'27 | 11°S15  | 18°31  | 25°53  | 6°33  | 6°25   | 29°14  | 1° 6   | 16°22  | 13°10  | 20°59  | 21°26  | 2°12   | n.a. |   |   |
| T 25 | 6 52 26 | 15°42'03 | 26°31   | 19° 7  | 27° 7  | 6°47  | 6°20   | 29°19  | 1° 8   | 16°24  | 13°10  | 20°D59 | 21°23  | 2°18   | n.a. |   |   |
| W26  | 6 56 22 | 16°41'36 | 11°Q20  | 19°47  | 28°21  | 7° 1  | 6°16   | 29°25  | 1°11   | 16°25  | 13° 9  | 20°59  | 21°20  | 2°25   | n.a. |   |   |
| T 27 | 7 0 19  | 17°41'08 | 26° 9   | 20°31  | 29°35  | 7°15  | 6°11   | 29°31  | 1°14   | 16°26  | 13° 8  | 20°59  | 21°17  | 2°32   | n.a. |   |   |
| F 28 | 7 4 15  | 18°40'37 | 10°M52  | 21°18  | 0°Z49  | 7°30  | 6° 7   | 29°36  | 1°17   | 16°28  | 13° 8  | 21° 0  | 21°14  | 2°38   | n.a. |   |   |
| S 29 | 7 8 12  | 19°40'04 | 25°23   | 22° 9  | 2° 3   | 7°46  | 6° 3   | 29°42  | 1°19   | 16°29  | 13° 7  | 21° 0  | 21°10  | 2°45   | n.a. |   |   |
| S 30 | 7 12 8  | 20°39'30 | 9°Q38   | 23° 3  | 3°17   | 8° 2  | 5°59   | 29°47  | 1°22   | 16°30  | 13° 6  | 21° 0  | 21° 7  | 2°52   | n.a. |   |   |
| M31  | 7 16 5  | 21°38'53 | 23°Q35  | 23°759 | 4°Z31  | 8°18  | 5°II55 | 29°M52 | 1°24   | 16°M31 | 13°M 5 | 21°Z 0 | 21°Z 4 | 2°759  | n.a. |   |   |

Delta T = 16h56m59s Julian Calendar 1 Jan. 2458 BCE == Greg. Calendar 12 Dec. 2459 BCE

The year -2457 astronomical counting style corresponds to year 2458 B.C.E historical counting style.

FEBRUARY 2458 BCE (-2457) JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽      | ♀      | ♁     | ♂      | ♃      | ♄      | ♅    | ♆      | ♇      | ♈      | ♉      | ♊     | ♋    | ♌ | ♍ |
|------|---------|----------|--------|--------|-------|--------|--------|--------|------|--------|--------|--------|--------|-------|------|---|---|
| T 1  | 7 20 1  | 22°38'15 | 7°M14  | 24°759 | 5°Z45 | 8°Z35  | 5°R52  | 29°M58 | 1°27 | 16°M33 | 13°R 4 | 21°Z 0 | 21°Z 1 | 3°7 5 | n.a. |   |   |
| W 2  | 7 23 58 | 23°37'34 | 20°34  | 26° 1  | 6°59  | 8°52   | 5°II48 | 0°7 3  | 1°29 | 16°34  | 13°M 3 | 21° 0  | 20°58  | 3°12  | n.a. |   |   |
| T 3  | 7 27 55 | 24°36'52 | 3°737  | 27° 6  | 8°13  | 9°10   | 5°45   | 0° 8   | 1°32 | 16°35  | 13° 2  | 21° 0  | 20°55  | 3°19  | n.a. |   |   |
| F 4  | 7 31 51 | 25°36'08 | 16°25  | 28°13  | 9°27  | 9°28   | 5°42   | 0°13   | 1°34 | 16°36  | 13° 1  | 21° 1  | 20°51  | 3°25  | n.a. |   |   |
| S 5  | 7 35 48 | 26°35'22 | 29° 0  | 29°23  | 10°41 | 9°47   | 5°39   | 0°18   | 1°37 | 16°37  | 13° 0  | 21° 1  | 20°48  | 3°32  | n.a. |   |   |
| S 6  | 7 39 44 | 27°34'33 | 11°Z22 | 0°Z34  | 11°55 | 10° 5  | 5°36   | 0°23   | 1°39 | 16°38  | 12°59  | 21° 2  | 20°45  | 3°39  | n.a. |   |   |
| M 7  | 7 43 41 | 28°33'42 | 23°35  | 1°48   | 13° 9 | 10°25  | 5°34   | 0°28   | 1°41 | 16°39  | 12°58  | 21°R 2 | 20°42  | 3°45  | n.a. |   |   |
| T 8  | 7 47 37 | 29°32'50 | 5°M39  | 3° 3   | 14°23 | 10°44  | 5°31   | 0°33   | 1°43 | 16°40  | 12°57  | 21° 2  | 20°39  | 3°52  | n.a. |   |   |
| W 9  | 7 51 34 | 0°M31'54 | 17°36  | 4°21   | 15°37 | 11° 4  | 5°29   | 0°38   | 1°46 | 16°41  | 12°56  | 21° 1  | 20°35  | 3°59  | n.a. |   |   |
| T 10 | 7 55 30 | 1°30'57  | 29°28  | 5°40   | 16°51 | 11°25  | 5°27   | 0°42   | 1°48 | 16°42  | 12°55  | 21° 0  | 20°32  | 4° 5  | n.a. |   |   |
| F 11 | 7 59 27 | 2°29'57  | 11°X18 | 7° 1   | 18° 5 | 11°45  | 5°25   | 0°47   | 1°50 | 16°43  | 12°54  | 20°58  | 20°29  | 4°12  | n.a. |   |   |
| S 12 | 8 3 24  | 3°28'55  | 23° 8  | 8°24   | 19°19 | 12° 6  | 5°24   | 0°51   | 1°52 | 16°44  | 12°53  | 20°56  | 20°26  | 4°19  | n.a. |   |   |
| S 13 | 8 7 20  | 4°27'50  | 5°Y 1  | 9°49   | 20°32 | 12°28  | 5°23   | 0°56   | 1°54 | 16°45  | 12°52  | 20°54  | 20°23  | 4°25  | n.a. |   |   |
| M14  | 8 11 17 | 5°26'43  | 17° 2  | 11°15  | 21°46 | 12°49  | 5°21   | 1° 0   | 1°56 | 16°45  | 12°50  | 20°53  | 20°20  | 4°32  | n.a. |   |   |
| T 15 | 8 15 13 | 6°25'33  | 29°14  | 12°43  | 23° 0 | 13°11  | 5°20   | 1° 5   | 1°58 | 16°46  | 12°49  | 20°52  | 20°16  | 4°39  | n.a. |   |   |
| W16  | 8 19 10 | 7°24'21  | 11°Z42 | 14°12  | 24°14 | 13°34  | 5°19   | 1° 9   | 2° 0 | 16°47  | 12°48  | 20°D52 | 20°13  | 4°45  | n.a. |   |   |
| T 17 | 8 23 6  | 8°23'07  | 24°30  | 15°44  | 25°28 | 13°56  | 5°19   | 1°13   | 2° 2 | 16°48  | 12°47  | 20°53  | 20°10  | 4°52  | n.a. |   |   |
| F 18 | 8 27 3  | 9°21'50  | 7°II42 | 17°16  | 26°42 | 14°19  | 5°18   | 1°17   | 2° 4 | 16°48  | 12°45  | 20°54  | 20° 7  | 4°59  | n.a. |   |   |
| S 19 | 8 30 59 | 10°20'31 | 21°19  | 18°50  | 27°56 | 14°43  | 5°18   | 1°21   | 2° 6 | 16°49  | 12°44  | 20°55  | 20° 4  | 5° 6  | n.a. |   |   |
| S 20 | 8 34 56 | 11°19'09 | 5°S24  | 20°26  | 29°10 | 15° 6  | 5°D18  | 1°25   | 2° 7 | 16°49  | 12°43  | 20°56  | 20° 0  | 5°12  | n.a. |   |   |
| M21  | 8 38 53 | 12°17'45 | 19°53  | 22° 4  | 0°M23 | 15°30  | 5°18   | 1°29   | 2° 9 | 16°50  | 12°41  | 20°R57 | 19°57  | 5°19  | n.a. |   |   |
| T 22 | 8 42 49 | 13°16'19 | 4°Q45  | 23°43  | 1°37  | 15°54  | 5°19   | 1°32   | 2°11 | 16°51  | 12°40  | 20°56  | 19°54  | 5°26  | n.a. |   |   |
| W23  | 8 46 46 | 14°14'50 | 19°50  | 25°23  | 2°51  | 16°18  | 5°19   | 1°36   | 2°12 | 16°51  | 12°38  | 20°55  | 19°51  | 5°32  | n.a. |   |   |
| T 24 | 8 50 42 | 15°13'20 | 5°M 0  | 27° 5  | 4° 5  | 16°43  | 5°20   | 1°40   | 2°14 | 16°52  | 12°37  | 20°52  | 19°48  | 5°39  | n.a. |   |   |
| F 25 | 8 54 39 | 16°11'47 | 20° 6  | 28°49  | 5°19  | 17° 8  | 5°21   | 1°43   | 2°16 | 16°52  | 12°36  | 20°49  | 19°45  | 5°46  | n.a. |   |   |
| S 26 | 8 58 35 | 17°10'12 | 4°Q58  | 0°M34  | 6°33  | 17°33  | 5°22   | 1°47   | 2°17 | 16°52  | 12°34  | 20°45  | 19°41  | 5°52  | n.a. |   |   |
| S 27 | 9 2 32  | 18° 8'36 | 19°30  | 2°21   | 7°46  | 17°58  | 5°23   | 1°50   | 2°18 | 16°53  | 12°33  | 20°42  | 19°38  | 5°59  | n.a. |   |   |
| M28  | 9 6 28  | 19° 6'58 | 3°M38  | 4°M 9  | 9°M 0 | 18°Z23 | 5°II24 | 1°53   | 2°20 | 16°M53 | 12°M31 | 20°Z40 | 19°Z35 | 6°7 6 | n.a. |   |   |

Delta T = 16h56m56s

Julian Calendar

created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2458 BCE

MARCH 2458 BCE (-2457) JC

00:00 UT

| Day  | Sid.t    | ☉                      | ☽                   | ♀                   | ♂                   | ♃                     | ♄                  | ♅                  | ♆                   | ♇                   | ♁                    | ♂                    | ♆                   | ♅                  |      |
|------|----------|------------------------|---------------------|---------------------|---------------------|-----------------------|--------------------|--------------------|---------------------|---------------------|----------------------|----------------------|---------------------|--------------------|------|
| T 1  | 9 10 25  | 20 <sup>00</sup> 51'18 | 17 <sup>11</sup> 19 | 5 <sup>55</sup> 59  | 10 <sup>00</sup> 14 | 18 <sup>08</sup> 49   | 5 <sup>11</sup> 26 | 1 <sup>27</sup> 56 | 2 <sup>27</sup> 21  | 16 <sup>16</sup> 53 | 12 <sup>00</sup> R30 | 20 <sup>00</sup> D39 | 19 <sup>03</sup> 32 | 6 <sup>08</sup> 12 | n.a. |
| W 2  | 9 14 22  | 21 <sup>00</sup> 3'37  | 0 <sup>27</sup> 36  | 7 <sup>51</sup> 11  | 11 <sup>02</sup> 28 | 19 <sup>01</sup> 15   | 5 <sup>02</sup> 28 | 2 <sup>00</sup> 0  | 2 <sup>02</sup> 23  | 16 <sup>05</sup> 54 | 12 <sup>00</sup> 28  | 20 <sup>00</sup> 30  | 19 <sup>02</sup> 29 | 6 <sup>01</sup> 19 | n.a. |
| T 3  | 9 18 18  | 22 <sup>00</sup> 1'53  | 13 <sup>03</sup> 30 | 9 <sup>44</sup> 14  | 12 <sup>04</sup> 42 | 19 <sup>04</sup> 11   | 5 <sup>03</sup> 20 | 2 <sup>00</sup> 3  | 2 <sup>02</sup> 24  | 16 <sup>05</sup> 54 | 12 <sup>00</sup> 27  | 20 <sup>00</sup> 41  | 19 <sup>02</sup> 26 | 6 <sup>02</sup> 26 | n.a. |
| F 4  | 9 22 15  | 23 <sup>00</sup> 0'09  | 26 <sup>00</sup> 6  | 11 <sup>03</sup> 39 | 13 <sup>05</sup> 55 | 20 <sup>00</sup> 8    | 5 <sup>03</sup> 22 | 2 <sup>00</sup> 5  | 2 <sup>02</sup> 25  | 16 <sup>05</sup> 54 | 12 <sup>00</sup> 25  | 20 <sup>00</sup> 43  | 19 <sup>02</sup> 22 | 6 <sup>03</sup> 32 | n.a. |
| S 5  | 9 26 11  | 23 <sup>00</sup> 58'22 | 8 <sup>03</sup> 26  | 13 <sup>03</sup> 35 | 15 <sup>00</sup> 9  | 20 <sup>00</sup> 34   | 5 <sup>03</sup> 34 | 2 <sup>00</sup> 8  | 2 <sup>02</sup> 26  | 16 <sup>05</sup> 54 | 12 <sup>00</sup> 23  | 20 <sup>00</sup> 44  | 19 <sup>01</sup> 19 | 6 <sup>03</sup> 39 | n.a. |
| S 6  | 9 30 8   | 24 <sup>00</sup> 56'34 | 20 <sup>00</sup> 35 | 15 <sup>03</sup> 33 | 16 <sup>02</sup> 23 | 21 <sup>00</sup> 1    | 5 <sup>03</sup> 37 | 2 <sup>00</sup> 11 | 2 <sup>02</sup> 27  | 16 <sup>05</sup> 54 | 12 <sup>00</sup> 22  | 20 <sup>00</sup> R45 | 19 <sup>01</sup> 16 | 6 <sup>04</sup> 46 | n.a. |
| M 7  | 9 34 4   | 25 <sup>00</sup> 54'43 | 2 <sup>00</sup> 35  | 17 <sup>03</sup> 33 | 17 <sup>03</sup> 37 | 21 <sup>00</sup> 28   | 5 <sup>03</sup> 39 | 2 <sup>00</sup> 14 | 2 <sup>02</sup> 28  | 16 <sup>05</sup> 55 | 12 <sup>00</sup> 20  | 20 <sup>00</sup> 44  | 19 <sup>01</sup> 13 | 6 <sup>05</sup> 53 | n.a. |
| T 8  | 9 38 1   | 26 <sup>00</sup> 52'51 | 14 <sup>03</sup> 30 | 19 <sup>03</sup> 34 | 18 <sup>05</sup> 11 | 21 <sup>00</sup> 56   | 5 <sup>04</sup> 2  | 2 <sup>00</sup> 16 | 2 <sup>02</sup> 29  | 16 <sup>05</sup> 55 | 12 <sup>00</sup> 19  | 20 <sup>00</sup> 41  | 19 <sup>01</sup> 10 | 6 <sup>05</sup> 59 | n.a. |
| W 9  | 9 41 57  | 27 <sup>00</sup> 50'57 | 26 <sup>00</sup> 21 | 21 <sup>03</sup> 36 | 20 <sup>00</sup> 4  | 22 <sup>00</sup> 23   | 5 <sup>04</sup> 5  | 2 <sup>00</sup> 19 | 2 <sup>02</sup> 30  | 16 <sup>05</sup> 55 | 12 <sup>00</sup> 17  | 20 <sup>00</sup> 37  | 19 <sup>00</sup> 6  | 7 <sup>00</sup> 6  | n.a. |
| T 10 | 9 45 54  | 28 <sup>00</sup> 49'02 | 8 <sup>08</sup> 11  | 23 <sup>04</sup> 40 | 21 <sup>01</sup> 18 | 22 <sup>00</sup> 51   | 5 <sup>04</sup> 9  | 2 <sup>00</sup> 21 | 2 <sup>02</sup> 31  | 16 <sup>05</sup> 55 | 12 <sup>00</sup> 15  | 20 <sup>00</sup> 31  | 19 <sup>00</sup> 3  | 7 <sup>01</sup> 13 | n.a. |
| F 11 | 9 49 51  | 29 <sup>00</sup> 47'04 | 20 <sup>00</sup> 1  | 25 <sup>04</sup> 45 | 22 <sup>00</sup> 32 | 23 <sup>00</sup> 19   | 5 <sup>05</sup> 2  | 2 <sup>00</sup> 23 | 2 <sup>02</sup> 32  | 16 <sup>05</sup> 55 | 12 <sup>00</sup> 14  | 20 <sup>00</sup> 24  | 19 <sup>00</sup> 0  | 7 <sup>01</sup> 19 | n.a. |
| S 12 | 9 53 47  | 0 <sup>00</sup> 45'04  | 1 <sup>00</sup> 54  | 27 <sup>05</sup> 51 | 23 <sup>04</sup> 46 | 23 <sup>00</sup> 47   | 5 <sup>05</sup> 6  | 2 <sup>00</sup> 25 | 2 <sup>02</sup> 33  | 16 <sup>05</sup> 55 | 12 <sup>00</sup> 12  | 20 <sup>00</sup> 17  | 18 <sup>05</sup> 7  | 7 <sup>02</sup> 26 | n.a. |
| S 13 | 9 57 44  | 1 <sup>00</sup> 43'03  | 13 <sup>05</sup> 51 | 29 <sup>05</sup> 58 | 24 <sup>05</sup> 29 | 24 <sup>00</sup> 15   | 5 <sup>05</sup> 9  | 2 <sup>00</sup> 27 | 2 <sup>02</sup> 34  | 16 <sup>05</sup> 54 | 12 <sup>00</sup> 11  | 20 <sup>00</sup> 9   | 18 <sup>05</sup> 4  | 7 <sup>03</sup> 33 | n.a. |
| M 14 | 10 1 40  | 2 <sup>00</sup> 40'59  | 25 <sup>05</sup> 55 | 2 <sup>00</sup> 7   | 26 <sup>01</sup> 13 | 24 <sup>00</sup> 43   | 6 <sup>00</sup> 3  | 2 <sup>00</sup> 29 | 2 <sup>02</sup> 34  | 16 <sup>05</sup> 54 | 12 <sup>00</sup> 9   | 20 <sup>00</sup> 3   | 18 <sup>05</sup> 1  | 7 <sup>03</sup> 39 | n.a. |
| T 15 | 10 5 37  | 3 <sup>00</sup> 38'54  | 8 <sup>00</sup> 9   | 4 <sup>01</sup> 15  | 27 <sup>02</sup> 27 | 25 <sup>00</sup> 12   | 6 <sup>00</sup> 7  | 2 <sup>00</sup> 31 | 2 <sup>02</sup> 35  | 16 <sup>05</sup> 54 | 12 <sup>00</sup> 7   | 19 <sup>05</sup> 8   | 18 <sup>04</sup> 7  | 7 <sup>04</sup> 46 | n.a. |
| W 16 | 10 9 33  | 4 <sup>00</sup> 36'46  | 20 <sup>00</sup> 36 | 6 <sup>02</sup> 25  | 28 <sup>04</sup> 1  | 25 <sup>00</sup> 41   | 6 <sup>01</sup> 2  | 2 <sup>00</sup> 33 | 2 <sup>02</sup> 36  | 16 <sup>05</sup> 54 | 12 <sup>00</sup> 6   | 19 <sup>05</sup> 5   | 18 <sup>04</sup> 4  | 7 <sup>05</sup> 53 | n.a. |
| T 17 | 10 13 30 | 5 <sup>00</sup> 34'37  | 3 <sup>00</sup> 20  | 8 <sup>03</sup> 34  | 29 <sup>05</sup> 4  | 26 <sup>00</sup> 10   | 6 <sup>01</sup> 6  | 2 <sup>00</sup> 35 | 2 <sup>02</sup> 36  | 16 <sup>05</sup> 54 | 12 <sup>00</sup> 4   | 19 <sup>05</sup> D54 | 18 <sup>04</sup> 1  | 7 <sup>05</sup> 59 | n.a. |
| F 18 | 10 17 26 | 6 <sup>00</sup> 32'25  | 16 <sup>02</sup> 25 | 10 <sup>04</sup> 44 | 1 <sup>00</sup> 8   | 26 <sup>00</sup> 39   | 6 <sup>02</sup> 0  | 2 <sup>00</sup> 36 | 2 <sup>02</sup> 37  | 16 <sup>05</sup> 54 | 12 <sup>00</sup> 2   | 19 <sup>05</sup> 5   | 18 <sup>03</sup> 8  | 8 <sup>00</sup> 6  | n.a. |
| S 19 | 10 21 23 | 7 <sup>00</sup> 30'12  | 29 <sup>05</sup> 4  | 12 <sup>05</sup> 53 | 2 <sup>02</sup> 2   | 27 <sup>00</sup> 8    | 6 <sup>02</sup> 5  | 2 <sup>00</sup> 38 | 2 <sup>02</sup> 37  | 16 <sup>05</sup> 53 | 12 <sup>00</sup> 1   | 19 <sup>05</sup> 6   | 18 <sup>03</sup> 5  | 8 <sup>01</sup> 13 | n.a. |
| S 20 | 10 25 20 | 8 <sup>00</sup> 27'57  | 13 <sup>05</sup> 49 | 15 <sup>00</sup> 1  | 3 <sup>03</sup> 36  | 27 <sup>00</sup> 38   | 6 <sup>03</sup> 0  | 2 <sup>00</sup> 39 | 2 <sup>02</sup> 38  | 16 <sup>05</sup> 53 | 11 <sup>00</sup> 59  | 19 <sup>05</sup> R57 | 18 <sup>03</sup> 2  | 8 <sup>01</sup> 19 | n.a. |
| M 21 | 10 29 16 | 9 <sup>00</sup> 25'40  | 28 <sup>01</sup> 2  | 17 <sup>00</sup> 9  | 4 <sup>04</sup> 49  | 28 <sup>00</sup> 7    | 6 <sup>03</sup> 5  | 2 <sup>00</sup> 41 | 2 <sup>02</sup> 38  | 16 <sup>05</sup> 53 | 11 <sup>00</sup> 57  | 19 <sup>05</sup> 7   | 18 <sup>02</sup> 8  | 8 <sup>02</sup> 26 | n.a. |
| T 22 | 10 33 13 | 10 <sup>00</sup> 23'21 | 12 <sup>05</sup> 59 | 19 <sup>01</sup> 15 | 6 <sup>00</sup> 3   | 28 <sup>00</sup> 37   | 6 <sup>04</sup> 0  | 2 <sup>00</sup> 42 | 2 <sup>02</sup> 39  | 16 <sup>05</sup> 52 | 11 <sup>00</sup> 56  | 19 <sup>05</sup> 5   | 18 <sup>02</sup> 5  | 8 <sup>03</sup> 33 | n.a. |
| W 23 | 10 37 9  | 11 <sup>00</sup> 21'00 | 28 <sup>00</sup> 5  | 21 <sup>02</sup> 20 | 7 <sup>01</sup> 17  | 29 <sup>00</sup> 7    | 6 <sup>04</sup> 6  | 2 <sup>00</sup> 43 | 2 <sup>02</sup> 39  | 16 <sup>05</sup> 52 | 11 <sup>00</sup> 54  | 19 <sup>05</sup> 1   | 18 <sup>02</sup> 2  | 8 <sup>04</sup> 0  | n.a. |
| T 24 | 10 41 6  | 12 <sup>00</sup> 18'38 | 13 <sup>00</sup> 21 | 23 <sup>02</sup> 23 | 8 <sup>03</sup> 30  | 29 <sup>00</sup> 37   | 6 <sup>05</sup> 1  | 2 <sup>00</sup> 44 | 2 <sup>02</sup> 39  | 16 <sup>05</sup> 51 | 11 <sup>00</sup> 52  | 19 <sup>04</sup> 4   | 18 <sup>01</sup> 9  | 8 <sup>04</sup> 6  | n.a. |
| F 25 | 10 45 2  | 13 <sup>00</sup> 16'14 | 28 <sup>03</sup> 8  | 25 <sup>02</sup> 24 | 9 <sup>04</sup> 4   | 0 <sup>00</sup> II 7  | 6 <sup>05</sup> 7  | 2 <sup>00</sup> 45 | 2 <sup>02</sup> 39  | 16 <sup>05</sup> 51 | 11 <sup>00</sup> 50  | 19 <sup>03</sup> 7   | 18 <sup>01</sup> 6  | 8 <sup>05</sup> 53 | n.a. |
| S 26 | 10 48 59 | 14 <sup>00</sup> 13'48 | 13 <sup>00</sup> 43 | 27 <sup>02</sup> 23 | 10 <sup>05</sup> 8  | 0 <sup>00</sup> 38    | 7 <sup>00</sup> 3  | 2 <sup>00</sup> 46 | 2 <sup>02</sup> 39  | 16 <sup>05</sup> 50 | 11 <sup>00</sup> 49  | 19 <sup>02</sup> 9   | 18 <sup>01</sup> 2  | 9 <sup>00</sup> 0  | n.a. |
| S 27 | 10 52 55 | 15 <sup>00</sup> 11'22 | 28 <sup>02</sup> 9  | 29 <sup>02</sup> 20 | 12 <sup>01</sup> 11 | 1 <sup>00</sup> 8     | 7 <sup>00</sup> 9  | 2 <sup>00</sup> 46 | 2 <sup>02</sup> 39  | 16 <sup>05</sup> 50 | 11 <sup>00</sup> 47  | 19 <sup>02</sup> 1   | 18 <sup>00</sup> 9  | 9 <sup>00</sup> 6  | n.a. |
| M 28 | 10 56 52 | 16 <sup>00</sup> 8'54  | 12 <sup>00</sup> 48 | 1 <sup>00</sup> 14  | 13 <sup>02</sup> 25 | 1 <sup>03</sup> 39    | 7 <sup>01</sup> 5  | 2 <sup>00</sup> 47 | 2 <sup>02</sup> R40 | 16 <sup>04</sup> 9  | 11 <sup>00</sup> 45  | 19 <sup>01</sup> 5   | 18 <sup>00</sup> 6  | 9 <sup>01</sup> 13 | n.a. |
| T 29 | 11 0 48  | 17 <sup>00</sup> 6'25  | 26 <sup>03</sup> 7  | 3 <sup>00</sup> 5   | 14 <sup>03</sup> 29 | 2 <sup>00</sup> 9     | 7 <sup>02</sup> 1  | 2 <sup>00</sup> 48 | 2 <sup>02</sup> 39  | 16 <sup>04</sup> 9  | 11 <sup>00</sup> 44  | 19 <sup>01</sup> 1   | 18 <sup>00</sup> 3  | 9 <sup>02</sup> 20 | n.a. |
| W 30 | 11 4 45  | 18 <sup>00</sup> 3'55  | 9 <sup>00</sup> 58  | 4 <sup>05</sup> 4   | 15 <sup>05</sup> 2  | 2 <sup>00</sup> 40    | 7 <sup>02</sup> 7  | 2 <sup>00</sup> 48 | 2 <sup>02</sup> 39  | 16 <sup>04</sup> 8  | 11 <sup>00</sup> 42  | 19 <sup>00</sup> 9   | 18 <sup>00</sup> 0  | 9 <sup>02</sup> 26 | n.a. |
| T 31 | 11 8 42  | 19 <sup>00</sup> 0'12  | 22 <sup>00</sup> 52 | 6 <sup>00</sup> 39  | 17 <sup>00</sup> 6  | 3 <sup>00</sup> II 11 | 7 <sup>02</sup> 34 | 2 <sup>00</sup> 48 | 2 <sup>02</sup> 39  | 16 <sup>04</sup> 7  | 11 <sup>00</sup> 40  | 19 <sup>00</sup> D 9 | 17 <sup>00</sup> 57 | 9 <sup>00</sup> 33 | n.a. |

Delta T = 16h56m54s Julian Calendar 1 March 2458 BCE == Greg. Calendar 9 Feb. 2458 BCE  
 The year -2457 astronomical counting style corresponds to year 2458 B.C.E historical counting style.

APRIL 2458 BCE (-2457) JC

00:00 UT

| Day  | Sid.t    | ☉                      | ☽                    | ♀                  | ♂                   | ♃                     | ♄                     | ♅                   | ♆                   | ♇                    | ♁                    | ♂                    | ♆                    | ♅                  |      |
|------|----------|------------------------|----------------------|--------------------|---------------------|-----------------------|-----------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|--------------------|------|
| F 1  | 11 12 38 | 19 <sup>00</sup> 58'52 | 5 <sup>03</sup> 25   | 8 <sup>00</sup> 22 | 18 <sup>00</sup> 20 | 3 <sup>00</sup> II 43 | 7 <sup>00</sup> II 40 | 2 <sup>00</sup> 49  | 2 <sup>00</sup> R39 | 16 <sup>00</sup> R47 | 11 <sup>00</sup> R39 | 19 <sup>00</sup> 310 | 17 <sup>00</sup> 353 | 9 <sup>00</sup> 40 | n.a. |
| S 2  | 11 16 35 | 20 <sup>00</sup> 56'19 | 17 <sup>03</sup> 9   | 10 <sup>00</sup> 1 | 19 <sup>03</sup> 3  | 4 <sup>01</sup> 14    | 7 <sup>00</sup> 47    | 2 <sup>00</sup> 49  | 2 <sup>00</sup> R39 | 16 <sup>00</sup> 46  | 11 <sup>00</sup> 37  | 19 <sup>00</sup> R10 | 17 <sup>00</sup> 50  | 9 <sup>00</sup> 47 | n.a. |
| S 3  | 11 20 31 | 21 <sup>00</sup> 53'45 | 29 <sup>04</sup> 2   | 11 <sup>03</sup> 7 | 20 <sup>04</sup> 7  | 4 <sup>04</sup> 5     | 7 <sup>00</sup> 54    | 2 <sup>00</sup> R49 | 2 <sup>00</sup> 39  | 16 <sup>04</sup> 5   | 11 <sup>00</sup> 35  | 19 <sup>01</sup> 0   | 17 <sup>04</sup> 7   | 9 <sup>05</sup> 53 | n.a. |
| M 4  | 11 24 28 | 22 <sup>00</sup> 51'10 | 11 <sup>00</sup> 36  | 13 <sup>01</sup> 0 | 22 <sup>00</sup> 1  | 5 <sup>01</sup> 17    | 8 <sup>00</sup> 1     | 2 <sup>00</sup> 49  | 2 <sup>00</sup> 38  | 16 <sup>04</sup> 5   | 11 <sup>00</sup> 34  | 19 <sup>00</sup> 7   | 17 <sup>04</sup> 4   | 10 <sup>00</sup> 0 | n.a. |
| T 5  | 11 28 24 | 23 <sup>00</sup> 48'33 | 23 <sup>00</sup> 26  | 14 <sup>04</sup> 0 | 23 <sup>01</sup> 4  | 5 <sup>04</sup> 8     | 8 <sup>00</sup> 8     | 2 <sup>00</sup> 49  | 2 <sup>00</sup> 38  | 16 <sup>04</sup> 4   | 11 <sup>00</sup> 32  | 19 <sup>00</sup> 2   | 17 <sup>04</sup> 1   | 10 <sup>00</sup> 7 | n.a. |
| W 6  | 11 32 21 | 24 <sup>00</sup> 45'56 | 5 <sup>00</sup> 14   | 16 <sup>00</sup> 6 | 24 <sup>02</sup> 8  | 6 <sup>02</sup> 0     | 8 <sup>01</sup> 6     | 2 <sup>00</sup> 48  | 2 <sup>00</sup> 38  | 16 <sup>04</sup> 3   | 11 <sup>00</sup> 30  | 18 <sup>05</sup> 5   | 17 <sup>03</sup> 7   | 10 <sup>01</sup> 3 | n.a. |
| T 7  | 11 36 17 | 25 <sup>00</sup> 43'18 | 17 <sup>00</sup> 5   | 17 <sup>02</sup> 9 | 25 <sup>04</sup> 2  | 6 <sup>05</sup> 2     | 8 <sup>02</sup> 3     | 2 <sup>00</sup> 48  | 2 <sup>00</sup> 37  | 16 <sup>04</sup> 2   | 11 <sup>00</sup> 29  | 18 <sup>04</sup> 5   | 17 <sup>03</sup> 4   | 10 <sup>02</sup> 0 | n.a. |
| F 8  | 11 40 14 | 26 <sup>00</sup> 40'38 | 28 <sup>05</sup> 8   | 18 <sup>04</sup> 9 | 26 <sup>05</sup> 5  | 7 <sup>02</sup> 4     | 8 <sup>03</sup> 1     | 2 <sup>00</sup> 48  | 2 <sup>00</sup> 37  | 16 <sup>04</sup> 1   | 11 <sup>00</sup> 27  | 18 <sup>03</sup> 3   | 17 <sup>03</sup> 1   | 10 <sup>02</sup> 7 | n.a. |
| S 9  | 11 44 11 | 27 <sup>00</sup> 37'58 | 10 <sup>00</sup> 56  | 20 <sup>00</sup> 5 | 28 <sup>00</sup> 9  | 7 <sup>05</sup> 6     | 8 <sup>03</sup> 8     | 2 <sup>00</sup> 47  | 2 <sup>00</sup> 36  | 16 <sup>04</sup> 0   | 11 <sup>00</sup> 26  | 18 <sup>02</sup> 1   | 17 <sup>02</sup> 8   | 10 <sup>03</sup> 3 | n.a. |
| S 10 | 11 48 7  | 28 <sup>00</sup> 35'16 | 23 <sup>00</sup> 1   | 21 <sup>01</sup> 7 | 29 <sup>02</sup> 3  | 8 <sup>02</sup> 9     | 8 <sup>04</sup> 6     | 2 <sup>00</sup> 46  | 2 <sup>00</sup> 36  | 16 <sup>03</sup> 9   | 11 <sup>00</sup> 24  | 18 <sup>00</sup> 8   | 17 <sup>02</sup> 5   | 10 <sup>04</sup> 0 | n.a. |
| M 11 | 11 52 4  | 29 <sup>00</sup> 32'33 | 5 <sup>00</sup> 13   | 22 <sup>02</sup> 7 | 0 <sup>00</sup> Y36 | 9 <sup>00</sup> 1     | 8 <sup>05</sup> 4     | 2 <sup>00</sup> 46  | 2 <sup>00</sup> 35  | 16 <sup>03</sup> 9   | 11 <sup>00</sup> 22  | 17 <sup>05</sup> 7   | 17 <sup>02</sup> 2   | 10 <sup>04</sup> 7 | n.a. |
| T 12 | 11 56 0  | 0 <sup>00</sup> Y29'49 | 17 <sup>00</sup> 34  | 23 <sup>03</sup> 2 | 1 <sup>05</sup> 0   | 9 <sup>03</sup> 4     | 9 <sup>00</sup> 2     | 2 <sup>00</sup> 45  | 2 <sup>00</sup> 34  | 16 <sup>03</sup> 8   | 11 <sup>00</sup> 21  | 17 <sup>04</sup> 9   | 17 <sup>01</sup> 8   | 10 <sup>05</sup> 3 | n.a. |
| W 13 | 11 59 57 | 1 <sup>00</sup> 27'04  | 0 <sup>00</sup> II 7 | 24 <sup>03</sup> 4 | 3 <sup>00</sup> 4   | 10 <sup>00</sup> 6    | 9 <sup>01</sup> 1     | 2 <sup>00</sup> 44  | 2 <sup>00</sup> 33  | 16 <sup>03</sup> 7   | 11 <sup>00</sup> 19  | 17 <sup>04</sup> 2   | 17 <sup>01</sup> 5   | 11 <sup>00</sup> 0 | n.a. |
| T 14 | 12 3 53  | 2 <sup>00</sup> 24'18  | 12 <sup>00</sup> 53  | 25 <sup>03</sup> 2 | 4 <sup>01</sup> 7   | 10 <sup>00</sup> 39   | 9 <sup>01</sup> 9     | 2 <sup>00</sup> 43  | 2 <sup>00</sup> 33  | 16 <sup>03</sup> 6   | 11 <sup>00</sup> 18  | 17 <sup>03</sup> 9   | 17 <sup>01</sup> 2   | 11 <sup>00</sup> 7 | n.a. |
| F 15 | 12 7 50  | 3 <sup>00</sup> 21'31  | 25 <sup>05</sup> 7   | 26 <sup>02</sup> 7 | 5 <sup>03</sup> 1   | 11 <sup>00</sup> 12   | 9 <sup>02</sup> 7     | 2 <sup>00</sup> 42  | 2 <sup>00</sup> 32  | 16 <sup>03</sup> 4   | 11 <sup>00</sup> 16  | 17 <sup>03</sup> 7   | 17 <sup>00</sup> 9   | 11 <sup>01</sup> 4 | n.a. |
| S 16 | 12 11 46 | 4 <sup>00</sup> 18'42  | 9 <sup>00</sup> 20   | 27 <sup>01</sup> 7 | 6 <sup>04</sup> 5   | 11 <sup>00</sup> 45   | 9 <sup>03</sup> 6     | 2 <sup>00</sup> 41  | 2 <sup>00</sup> 31  | 16 <sup>03</sup> 3   | 11 <sup>00</sup> 15  | 17 <sup>00</sup> D37 | 17 <sup>00</sup> 6   | 11 <sup>02</sup> 0 | n.a. |
| S 17 | 12 15 43 | 5 <sup>00</sup> 15'53  | 23 <sup>00</sup> 7   | 28 <sup>00</sup> 4 | 7 <sup>05</sup> 8   | 12 <sup>00</sup> 18   | 9 <sup>04</sup> 5     | 2 <sup>00</sup> 39  | 2 <sup>00</sup> 30  | 16 <sup>03</sup> 2   |                      |                      |                      |                    |      |

SWISS EPHEMERIS for the year 2458 BCE

MAY 2458 BCE (-2457) JC

00:00 UT

| Day  | Sid.t    | ☉         | ☽      | ♀      | ♁      | ♂       | ♃       | ♄     | ♅     | ♆      | ♇      | ♈      | ♉      | ♊      | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|-----------|--------|--------|--------|---------|---------|-------|-------|--------|--------|--------|--------|--------|------|---|---|---|---|---|---|---|---|
| S 1  | 13 10 55 | 18°Y35'04 | 8≈26   | 1°R21  | 25°Y 9 | 20°II11 | 11°II57 | 2°R12 | 2°R13 | 16°R15 | 10°R54 | 16°R26 | 16°Z18 | 13°X 1 | n.a. |   |   |   |   |   |   |   |   |
| M 2  | 13 14 51 | 19°32'07  | 20°19  | 1°X 2  | 26°23  | 20°46   | 12° 7   | 2°X 9 | 2°X11 | 16°M13 | 10°M53 | 16°Z24 | 16°15  | 13° 7  | n.a. |   |   |   |   |   |   |   |   |
| T 3  | 13 18 48 | 20°29'09  | 2°X 8  | 0°40   | 27°36  | 21°20   | 12°17   | 2° 6  | 2°10  | 16°12  | 10°52  | 16°18  | 16°12  | 13°14  | n.a. |   |   |   |   |   |   |   |   |
| W 4  | 13 22 44 | 21°26'12  | 13°58  | 0°15   | 28°50  | 21°55   | 12°27   | 2° 4  | 2° 8  | 16°11  | 10°50  | 16°10  | 16° 9  | 13°21  | n.a. |   |   |   |   |   |   |   |   |
| T 5  | 13 26 41 | 22°23'15  | 25°51  | 29°Y46 | 0°X 4  | 22°30   | 12°38   | 2° 1  | 2° 7  | 16° 9  | 10°49  | 16° 0  | 16° 5  | 13°28  | n.a. |   |   |   |   |   |   |   |   |
| F 6  | 13 30 37 | 23°20'17  | 7°Y50  | 29°15  | 1°17   | 23° 5   | 12°48   | 1°58  | 2° 5  | 16° 8  | 10°48  | 15°47  | 16° 2  | 13°34  | n.a. |   |   |   |   |   |   |   |   |
| S 7  | 13 34 34 | 24°17'20  | 19°56  | 28°43  | 2°31   | 23°40   | 12°59   | 1°55  | 2° 3  | 16° 6  | 10°47  | 15°34  | 15°59  | 13°41  | n.a. |   |   |   |   |   |   |   |   |
| S 8  | 13 38 31 | 25°14'23  | 2°X12  | 28° 9  | 3°45   | 24°15   | 13°10   | 1°52  | 2° 1  | 16° 5  | 10°46  | 15°21  | 15°56  | 13°48  | n.a. |   |   |   |   |   |   |   |   |
| M 9  | 13 42 27 | 26°11'25  | 14°37  | 27°33  | 4°58   | 24°50   | 13°20   | 1°49  | 2° 0  | 16° 3  | 10°45  | 15° 9  | 15°53  | 13°54  | n.a. |   |   |   |   |   |   |   |   |
| T 10 | 13 46 24 | 27° 8'27  | 27°12  | 26°58  | 6°12   | 25°25   | 13°31   | 1°45  | 1°58  | 16° 2  | 10°44  | 14°59  | 15°49  | 14° 1  | n.a. |   |   |   |   |   |   |   |   |
| W11  | 13 50 20 | 28° 5'30  | 9°II58 | 26°23  | 7°26   | 26° 0   | 13°42   | 1°42  | 1°56  | 16° 0  | 10°43  | 14°53  | 15°46  | 14° 8  | n.a. |   |   |   |   |   |   |   |   |
| T 12 | 13 54 17 | 29° 2'32  | 22°56  | 25°49  | 8°39   | 26°36   | 13°53   | 1°39  | 1°54  | 15°59  | 10°42  | 14°49  | 15°43  | 14°14  | n.a. |   |   |   |   |   |   |   |   |
| F 13 | 13 58 13 | 29°59'34  | 6°X 7  | 25°16  | 9°53   | 27°11   | 14° 4   | 1°35  | 1°52  | 15°57  | 10°41  | 14°47  | 15°40  | 14°21  | n.a. |   |   |   |   |   |   |   |   |
| S 14 | 14 2 10  | 0°X56'36  | 19°33  | 24°46  | 11° 7  | 27°47   | 14°15   | 1°32  | 1°50  | 15°56  | 10°40  | 14°D47 | 15°37  | 14°28  | n.a. |   |   |   |   |   |   |   |   |
| S 15 | 14 6 7   | 1°53'38   | 3°O17  | 24°18  | 12°20  | 28°22   | 14°26   | 1°28  | 1°48  | 15°54  | 10°39  | 14°R47 | 15°34  | 14°35  | n.a. |   |   |   |   |   |   |   |   |
| M16  | 14 10 3  | 2°50'39   | 17°18  | 23°53  | 13°34  | 28°58   | 14°38   | 1°25  | 1°46  | 15°52  | 10°38  | 14°46  | 15°30  | 14°41  | n.a. |   |   |   |   |   |   |   |   |
| T 17 | 14 14 0  | 3°47'40   | 1°M38  | 23°32  | 14°48  | 29°34   | 14°49   | 1°21  | 1°44  | 15°51  | 10°37  | 14°44  | 15°27  | 14°48  | n.a. |   |   |   |   |   |   |   |   |
| W18  | 14 17 56 | 4°44'42   | 16°13  | 23°14  | 16° 1  | 0°X10   | 15° 0   | 1°17  | 1°42  | 15°49  | 10°37  | 14°39  | 15°24  | 14°55  | n.a. |   |   |   |   |   |   |   |   |
| T 19 | 14 21 53 | 5°41'43   | 1°X 0  | 23° 1  | 17°15  | 0°46    | 15°12   | 1°14  | 1°40  | 15°48  | 10°36  | 14°31  | 15°21  | 15° 1  | n.a. |   |   |   |   |   |   |   |   |
| F 20 | 14 25 49 | 6°38'44   | 15°51  | 22°53  | 18°29  | 1°22    | 15°23   | 1°10  | 1°38  | 15°46  | 10°35  | 14°22  | 15°18  | 15° 8  | n.a. |   |   |   |   |   |   |   |   |
| S 21 | 14 29 46 | 7°35'46   | 0°M38  | 22°D49 | 19°42  | 1°58    | 15°35   | 1° 6  | 1°36  | 15°45  | 10°34  | 14°13  | 15°14  | 15°15  | n.a. |   |   |   |   |   |   |   |   |
| S 22 | 14 33 42 | 8°32'48   | 15°13  | 22°50  | 20°56  | 2°34    | 15°47   | 1° 2  | 1°34  | 15°43  | 10°34  | 14° 3  | 15°11  | 15°21  | n.a. |   |   |   |   |   |   |   |   |
| M23  | 14 37 39 | 9°29'51   | 29°29  | 22°57  | 22° 9  | 3°10    | 15°58   | 0°58  | 1°32  | 15°41  | 10°33  | 13°55  | 15° 8  | 15°28  | n.a. |   |   |   |   |   |   |   |   |
| T 24 | 14 41 35 | 10°26'54  | 13°X20 | 23° 8  | 23°23  | 3°46    | 16°10   | 0°54  | 1°30  | 15°40  | 10°32  | 13°49  | 15° 5  | 15°35  | n.a. |   |   |   |   |   |   |   |   |
| W25  | 14 45 32 | 11°23'58  | 26°45  | 23°25  | 24°37  | 4°23    | 16°22   | 0°50  | 1°27  | 15°38  | 10°32  | 13°46  | 15° 2  | 15°42  | n.a. |   |   |   |   |   |   |   |   |
| T 26 | 14 49 29 | 12°21'03  | 9°X44  | 23°48  | 25°50  | 4°59    | 16°34   | 0°46  | 1°25  | 15°36  | 10°31  | 13°D45 | 14°59  | 15°48  | n.a. |   |   |   |   |   |   |   |   |
| F 27 | 14 53 25 | 13°18'08  | 22°21  | 24°15  | 27° 4  | 5°36    | 16°46   | 0°42  | 1°23  | 15°35  | 10°31  | 13°45  | 14°55  | 15°55  | n.a. |   |   |   |   |   |   |   |   |
| S 28 | 14 57 22 | 14°15'14  | 4≈39   | 24°48  | 28°18  | 6°12    | 16°58   | 0°38  | 1°21  | 15°33  | 10°30  | 13°46  | 14°52  | 16° 2  | n.a. |   |   |   |   |   |   |   |   |
| S 29 | 15 1 18  | 15°12'22  | 16°42  | 25°26  | 29°31  | 6°49    | 17°10   | 0°33  | 1°19  | 15°32  | 10°30  | 13°R46 | 14°49  | 16° 8  | n.a. |   |   |   |   |   |   |   |   |
| M30  | 15 5 15  | 16° 9'30  | 28°37  | 26°10  | 0°II45 | 7°26    | 17°22   | 0°29  | 1°16  | 15°30  | 10°29  | 13°45  | 14°46  | 16°15  | n.a. |   |   |   |   |   |   |   |   |
| T 31 | 15 9 11  | 17°X 6'38 | 10°X28 | 26°Y58 | 1°II59 | 8°X 3   | 17°II34 | 0°X25 | 1°X14 | 15°M28 | 10°M29 | 13°Z42 | 14°Z43 | 16°X22 | n.a. |   |   |   |   |   |   |   |   |

Delta T = 16h56m49s Julian Calendar 1 May 2458 BCE == Greg. Calendar 11 Apr. 2458 BCE  
 The year -2457 astronomical counting style corresponds to year 2458 B.C.E historical counting style.

JUNE 2458 BCE (-2457) JC

00:00 UT

| Day  | Sid.t    | ☉          | ☽      | ♀       | ♁      | ♂      | ♃       | ♄      | ♅     | ♆      | ♇      | ♈      | ♉      | ♊      | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|------------|--------|---------|--------|--------|---------|--------|-------|--------|--------|--------|--------|--------|------|---|---|---|---|---|---|---|---|
| W 1  | 15 13 8  | 18°X 3'48  | 22°X20 | 27°Y52  | 3°II12 | 8°X40  | 17°II46 | 0°R21  | 1°R12 | 15°R27 | 10°R29 | 13°R37 | 14°Z40 | 16°X29 | n.a. |   |   |   |   |   |   |   |   |
| T 2  | 15 17 4  | 19° 0'59   | 4°Y17  | 28°51   | 4°26   | 9°17   | 17°58   | 0°X16  | 1°X 9 | 15°M25 | 10°M28 | 13°Z30 | 14°36  | 16°35  | n.a. |   |   |   |   |   |   |   |   |
| F 3  | 15 21 1  | 19°58'11   | 16°22  | 29°55   | 5°40   | 9°54   | 18°11   | 0°12   | 1° 7  | 15°23  | 10°28  | 13°22  | 14°33  | 16°42  | n.a. |   |   |   |   |   |   |   |   |
| S 4  | 15 24 58 | 20°55'24   | 28°37  | 1°X 4   | 6°53   | 10°31  | 18°23   | 0° 7   | 1° 5  | 15°22  | 10°28  | 13°12  | 14°30  | 16°49  | n.a. |   |   |   |   |   |   |   |   |
| S 5  | 15 28 54 | 21°52'37   | 11°X 5 | 2°18    | 8° 7   | 11° 8  | 18°35   | 0° 3   | 1° 2  | 15°20  | 10°28  | 13° 3  | 14°27  | 16°55  | n.a. |   |   |   |   |   |   |   |   |
| M 6  | 15 32 51 | 22°49'52   | 23°46  | 3°36    | 9°21   | 11°45  | 18°48   | 29°M59 | 1° 0  | 15°19  | 10°27  | 12°55  | 14°24  | 17° 2  | n.a. |   |   |   |   |   |   |   |   |
| T 7  | 15 36 47 | 23°47'08   | 6°II39 | 5° 0    | 10°34  | 12°23  | 19° 0   | 29°54  | 0°58  | 15°17  | 10°27  | 12°48  | 14°20  | 17° 9  | n.a. |   |   |   |   |   |   |   |   |
| W 8  | 15 40 44 | 24°44'25   | 19°44  | 6°27    | 11°48  | 13° 0  | 19°13   | 29°50  | 0°55  | 15°15  | 10°27  | 12°43  | 14°17  | 17°16  | n.a. |   |   |   |   |   |   |   |   |
| T 9  | 15 44 40 | 25°41'42   | 3°X 2  | 7°59    | 13° 2  | 13°38  | 19°25   | 29°45  | 0°53  | 15°14  | 10°27  | 12°41  | 14°14  | 17°22  | n.a. |   |   |   |   |   |   |   |   |
| F 10 | 15 48 37 | 26°39'01   | 16°31  | 9°35    | 14°15  | 14°15  | 19°38   | 29°41  | 0°50  | 15°12  | 10°27  | 12°D41 | 14°11  | 17°29  | n.a. |   |   |   |   |   |   |   |   |
| S 11 | 15 52 33 | 27°36'20   | 0°O10  | 11°15   | 15°29  | 14°53  | 19°50   | 29°36  | 0°48  | 15°11  | 10°D27 | 12°42  | 14° 8  | 17°36  | n.a. |   |   |   |   |   |   |   |   |
| S 12 | 15 56 30 | 28°33'40   | 14° 2  | 12°59   | 16°43  | 15°31  | 20° 3   | 29°32  | 0°46  | 15° 9  | 10°27  | 12°43  | 14° 5  | 17°42  | n.a. |   |   |   |   |   |   |   |   |
| M13  | 16 0 27  | 29°31'01   | 28° 3  | 14°46   | 17°56  | 16° 8  | 20°16   | 29°27  | 0°43  | 15° 8  | 10°27  | 12°R44 | 14° 1  | 17°49  | n.a. |   |   |   |   |   |   |   |   |
| T 14 | 16 4 23  | 0°II28'22  | 12°M15 | 16°36   | 19°10  | 16°46  | 20°28   | 29°23  | 0°41  | 15° 6  | 10°27  | 12°43  | 13°58  | 17°56  | n.a. |   |   |   |   |   |   |   |   |
| W15  | 16 8 20  | 1°25'45    | 26°35  | 18°29   | 20°24  | 17°24  | 20°41   | 29°18  | 0°38  | 15° 4  | 10°27  | 12°41  | 13°55  | 18° 2  | n.a. |   |   |   |   |   |   |   |   |
| T 16 | 16 12 16 | 2°23'08    | 11°X 0 | 20°25   | 21°37  | 18° 2  | 20°54   | 29°14  | 0°36  | 15° 3  | 10°27  | 12°37  | 13°52  | 18° 9  | n.a. |   |   |   |   |   |   |   |   |
| F 17 | 16 16 13 | 3°20'32    | 25°25  | 22°22   | 22°51  | 18°40  | 21° 7   | 29° 9  | 0°34  | 15° 1  | 10°27  | 12°32  | 13°49  | 18°16  | n.a. |   |   |   |   |   |   |   |   |
| S 18 | 16 20 9  | 4°17'58    | 9°M46  | 24°22   | 24° 5  | 19°18  | 21°20   | 29° 5  | 0°31  | 15° 0  | 10°28  | 12°26  | 13°46  | 18°23  | n.a. |   |   |   |   |   |   |   |   |
| S 19 | 16 24 6  | 5°15'24    | 23°57  | 26°23   | 25°18  | 19°57  | 21°32   | 29° 1  | 0°29  | 14°58  | 10°28  | 12°20  | 13°42  | 18°29  | n.a. |   |   |   |   |   |   |   |   |
| M20  | 16 28 2  | 6°12'52    | 7°X53  | 28°25   | 26°32  | 20°35  | 21°45   | 28°56  | 0°26  | 14°57  | 10°28  | 12°16  | 13°39  | 18°36  | n.a. |   |   |   |   |   |   |   |   |
| T 21 | 16 31 59 | 7°10'22    | 21°30  | 0°II28  | 27°46  | 21°13  | 21°58   | 28°52  | 0°24  | 14°55  | 10°28  | 12°12  | 13°36  | 18°43  | n.a. |   |   |   |   |   |   |   |   |
| W22  | 16 35 56 | 8° 7'53    | 4°Z46  | 2°32    | 28°59  | 21°52  | 22°11   | 28°47  | 0°22  | 14°54  | 10°29  | 12°11  | 13°33  | 18°49  | n.a. |   |   |   |   |   |   |   |   |
| T 23 | 16 39 52 | 9° 5'25    | 17°41  | 4°35    | 0°X13  | 22°30  | 22°24   | 28°43  | 0°19  | 14°53  | 10°29  | 12°D11 | 13°30  | 18°56  | n.a. |   |   |   |   |   |   |   |   |
| F 24 | 16 43 49 | 10° 2'59   | 0°X16  | 6°39    | 1°26   | 23° 9  | 22°37   | 28°39  | 0°17  | 14°51  | 10°30  | 12°12  | 13°26  | 19° 3  | n.a. |   |   |   |   |   |   |   |   |
| S 25 | 16 47 45 | 11° 0'34   | 12°34  | 8°42    | 2°40   | 23°47  | 22°50   | 28°34  | 0°15  | 14°50  | 10°30  | 12°13  | 13°23  | 19°10  | n.a. |   |   |   |   |   |   |   |   |
| S 26 | 16 51 42 | 11°58'12   | 24°39  | 10°44   | 3°54   | 24°26  | 23° 3   | 28°30  | 0°12  | 14°48  | 10°30  | 12°15  | 13°20  | 19°16  | n.a. |   |   |   |   |   |   |   |   |
| M27  | 16 55 38 | 12°55'51   | 6°X36  | 12°46   | 5° 7   | 25° 5  | 23°16   | 28°26  | 0°10  | 14°47  | 10°31  | 12°16  | 13°17  | 19°23  | n.a. |   |   |   |   |   |   |   |   |
| T 28 | 16 59 35 | 13°53'31   | 18°28  | 14°47   | 6°21   | 25°44  | 23°29   | 28°21  | 0° 8  | 14°46  | 10°32  | 12°R16 | 13°14  | 19°30  | n.a. |   |   |   |   |   |   |   |   |
| W29  | 17 3 32  | 14°51'14   | 0°Y22  | 16°47   | 7°34   | 26°23  | 23°42   | 28°17  | 0° 5  | 14°44  | 10°32  | 12°15  | 13°11  | 19°36  | n.a. |   |   |   |   |   |   |   |   |
| T 30 | 17 7 28  | 15°II48'58 | 12°Y21 | 18°II46 | 8°X48  | 27°X 2 | 23°II55 | 28°M13 | 0°X 3 | 14°M43 | 10°M33 | 12°Z13 | 13°Z 7 | 19°X43 | n.a. |   |   |   |   |   |   |   |   |

Delta T = 16h56m47s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [6.2.2007]

SWISS EPHEMERIS for the year 2458 BCE

JULY 2458 BCE (-2457) JC

00:00 UT

| Day  | Sid.t    | ☉         | ☽     | ♀      | ♂     | ♃     | ♄      | ♅      | ♆     | ♇      | ♁     | ♂      | ♆     | ♁     |      |
|------|----------|-----------|-------|--------|-------|-------|--------|--------|-------|--------|-------|--------|-------|-------|------|
| F 1  | 17 11 25 | 16II46'45 | 24Y29 | 20II44 | 10S 2 | 27S41 | 24II 8 | 28°R 9 | 0°R 1 | 14°R41 | 10M33 | 12°R 9 | 13S 4 | 19X50 | n.a. |
| S 2  | 17 15 21 | 17°44'33  | 6B51  | 22°41  | 11°15 | 28°20 | 24°21  | 28M 5  | 29M59 | 14M40  | 10°34 | 12S 6  | 13° 1 | 19°57 | n.a. |
| S 3  | 17 19 18 | 18°42'23  | 19°28 | 24°36  | 12°29 | 28°59 | 24°35  | 28° 1  | 29°56 | 14°39  | 10°35 | 12° 2  | 12°58 | 20° 3 | n.a. |
| M 4  | 17 23 14 | 19°40'15  | 2II23 | 26°31  | 13°42 | 29°38 | 24°48  | 27°57  | 29°54 | 14°38  | 10°36 | 11°59  | 12°55 | 20°10 | n.a. |
| T 5  | 17 27 11 | 20°38'09  | 15°34 | 28°23  | 14°56 | 0Q17  | 25° 1  | 27°53  | 29°52 | 14°36  | 10°36 | 11°56  | 12°52 | 20°17 | n.a. |
| W 6  | 17 31 7  | 21°36'04  | 29° 2 | 0S15   | 16° 9 | 0°57  | 25°14  | 27°49  | 29°50 | 14°35  | 10°37 | 11°55  | 12°48 | 20°23 | n.a. |
| T 7  | 17 35 4  | 22°34'02  | 12S44 | 2° 5   | 17°23 | 1°36  | 25°27  | 27°45  | 29°48 | 14°34  | 10°38 | 11°D54 | 12°45 | 20°30 | n.a. |
| F 8  | 17 39 1  | 23°32'01  | 26°38 | 3°54   | 18°36 | 2°16  | 25°40  | 27°41  | 29°45 | 14°33  | 10°39 | 11°55  | 12°42 | 20°37 | n.a. |
| S 9  | 17 42 57 | 24°30'01  | 10Q41 | 5°42   | 19°50 | 2°55  | 25°53  | 27°37  | 29°43 | 14°32  | 10°40 | 11°56  | 12°39 | 20°44 | n.a. |
| S 10 | 17 46 54 | 25°28'04  | 24°51 | 7°28   | 21° 3 | 3°35  | 26° 7  | 27°34  | 29°41 | 14°31  | 10°41 | 11°57  | 12°36 | 20°50 | n.a. |
| M11  | 17 50 50 | 26°26'07  | 9M 4  | 9°13   | 22°17 | 4°15  | 26°20  | 27°30  | 29°39 | 14°29  | 10°42 | 11°58  | 12°32 | 20°57 | n.a. |
| T 12 | 17 54 47 | 27°24'13  | 23°18 | 10°56  | 23°30 | 4°55  | 26°33  | 27°26  | 29°37 | 14°28  | 10°43 | 11°R58 | 12°29 | 21° 4 | n.a. |
| W13  | 17 58 43 | 28°22'19  | 7S31  | 12°39  | 24°44 | 5°34  | 26°46  | 27°23  | 29°35 | 14°27  | 10°44 | 11°58  | 12°26 | 21°10 | n.a. |
| T 14 | 18 2 40  | 29°20'28  | 21°39 | 14°20  | 25°57 | 6°14  | 26°59  | 27°19  | 29°33 | 14°26  | 10°45 | 11°58  | 12°23 | 21°17 | n.a. |
| F 15 | 18 6 36  | 0S18'38   | 5M42  | 16° 0  | 27°11 | 6°54  | 27°12  | 27°16  | 29°31 | 14°25  | 10°46 | 11°56  | 12°20 | 21°24 | n.a. |
| S 16 | 18 10 33 | 1°16'50   | 19°36 | 17°38  | 28°24 | 7°34  | 27°26  | 27°13  | 29°29 | 14°24  | 10°47 | 11°55  | 12°17 | 21°31 | n.a. |
| S 17 | 18 14 30 | 2°15'03   | 3A19  | 19°16  | 29°38 | 8°15  | 27°39  | 27° 9  | 29°27 | 14°23  | 10°48 | 11°54  | 12°13 | 21°37 | n.a. |
| M18  | 18 18 26 | 3°13'19   | 16°49 | 20°52  | 0Q51  | 8°55  | 27°52  | 27° 6  | 29°25 | 14°22  | 10°50 | 11°53  | 12°10 | 21°44 | n.a. |
| T 19 | 18 22 23 | 4°11'36   | 0B 4  | 22°27  | 2° 4  | 9°35  | 28° 5  | 27° 3  | 29°24 | 14°21  | 10°51 | 11°52  | 12° 7 | 21°51 | n.a. |
| W20  | 18 26 19 | 5° 9'56   | 13° 3 | 24° 1  | 3°18  | 10°15 | 28°18  | 27° 0  | 29°22 | 14°21  | 10°52 | 11°D52 | 12° 4 | 21°57 | n.a. |
| T 21 | 18 30 16 | 6° 8'17   | 25°47 | 25°33  | 4°31  | 10°56 | 28°31  | 26°57  | 29°20 | 14°20  | 10°53 | 11°52  | 12° 1 | 22° 4 | n.a. |
| F 22 | 18 34 12 | 7° 6'41   | 8S15  | 27° 4  | 5°44  | 11°36 | 28°44  | 26°54  | 29°18 | 14°19  | 10°55 | 11°53  | 11°58 | 22°11 | n.a. |
| S 23 | 18 38 9  | 8° 5'07   | 20°30 | 28°35  | 6°58  | 12°17 | 28°57  | 26°51  | 29°17 | 14°18  | 10°56 | 11°53  | 11°54 | 22°18 | n.a. |
| S 24 | 18 42 5  | 9° 3'35   | 2X34  | 0Q 4   | 8°11  | 12°57 | 29°10  | 26°49  | 29°15 | 14°17  | 10°57 | 11°53  | 11°51 | 22°24 | n.a. |
| M25  | 18 46 2  | 10° 2'05  | 14°30 | 1°31   | 9°24  | 13°38 | 29°23  | 26°46  | 29°13 | 14°17  | 10°59 | 11°54  | 11°48 | 22°31 | n.a. |
| T 26 | 18 49 59 | 11° 0'38  | 26°22 | 2°58   | 10°38 | 14°19 | 29°36  | 26°43  | 29°12 | 14°16  | 11° 0 | 11°54  | 11°45 | 22°38 | n.a. |
| W27  | 18 53 55 | 11°59'13  | 8Y16  | 4°23   | 11°51 | 14°59 | 29°49  | 26°41  | 29°10 | 14°15  | 11° 2 | 11°54  | 11°42 | 22°45 | n.a. |
| T 28 | 18 57 52 | 12°57'50  | 20°14 | 5°47   | 13° 4 | 15°40 | 0S 2   | 26°39  | 29° 9 | 14°15  | 11° 3 | 11°54  | 11°38 | 22°51 | n.a. |
| F 29 | 19 1 48  | 13°56'30  | 2B22  | 7°10   | 14°17 | 16°21 | 0°15   | 26°36  | 29° 7 | 14°14  | 11° 5 | 11°54  | 11°35 | 22°58 | n.a. |
| S 30 | 19 5 45  | 14°55'12  | 14°45 | 8°31   | 15°30 | 17° 2 | 0°28   | 26°34  | 29° 6 | 14°13  | 11° 6 | 11°54  | 11°32 | 23° 5 | n.a. |
| S 31 | 19 9 41  | 15S53'57  | 27B25 | 9Q51   | 16Q44 | 17Q43 | 0S41   | 26M32  | 29M 4 | 14M13  | 11M 8 | 11S55  | 11S29 | 23X11 | n.a. |

Delta T = 16h56m44s Julian Calendar 1 July 2458 BCE == Greg. Calendar 11 June 2458 BCE  
 The year -2457 astronomical counting style corresponds to year 2458 B.C.E historical counting style.

AUGUST 2458 BCE (-2457) JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽      | ♀      | ♂     | ♃     | ♄    | ♅      | ♆      | ♇      | ♁     | ♂      | ♆     | ♁     |      |
|------|----------|----------|--------|--------|-------|-------|------|--------|--------|--------|-------|--------|-------|-------|------|
| M 1  | 19 13 38 | 16S52'44 | 10II26 | 11Q10  | 17Q57 | 18Q24 | 0S54 | 26°R30 | 29°R 3 | 14°R12 | 11M10 | 11S55  | 11S26 | 23X18 | n.a. |
| T 2  | 19 17 34 | 17°51'33 | 23°50  | 12°27  | 19°10 | 19° 5 | 1° 7 | 26M28  | 29M 2  | 14M12  | 11°11 | 11°55  | 11°23 | 23°25 | n.a. |
| W 3  | 19 21 31 | 18°50'25 | 7S35   | 13°42  | 20°23 | 19°47 | 1°20 | 26°26  | 29° 0  | 14°11  | 11°13 | 11°R56 | 11°19 | 23°32 | n.a. |
| T 4  | 19 25 28 | 19°49'19 | 21°40  | 14°56  | 21°36 | 20°28 | 1°33 | 26°24  | 28°59  | 14°11  | 11°15 | 11°56  | 11°16 | 23°38 | n.a. |
| F 5  | 19 29 24 | 20°48'15 | 6Q 1   | 16° 9  | 22°49 | 21° 9 | 1°46 | 26°22  | 28°58  | 14°10  | 11°16 | 11°55  | 11°13 | 23°45 | n.a. |
| S 6  | 19 33 21 | 21°47'14 | 20°33  | 17°19  | 24° 2 | 21°51 | 1°58 | 26°21  | 28°57  | 14°10  | 11°18 | 11°54  | 11°10 | 23°52 | n.a. |
| S 7  | 19 37 17 | 22°46'14 | 5M 9   | 18°28  | 25°15 | 22°32 | 2°11 | 26°19  | 28°56  | 14°10  | 11°20 | 11°53  | 11° 7 | 23°58 | n.a. |
| M 8  | 19 41 14 | 23°45'16 | 19°44  | 19°34  | 26°28 | 23°14 | 2°24 | 26°18  | 28°54  | 14° 9  | 11°22 | 11°52  | 11° 4 | 24° 5 | n.a. |
| T 9  | 19 45 10 | 24°44'20 | 4S12   | 20°39  | 27°41 | 23°56 | 2°37 | 26°17  | 28°53  | 14° 9  | 11°23 | 11°51  | 11° 0 | 24°12 | n.a. |
| W10  | 19 49 7  | 25°43'26 | 18°29  | 21°41  | 28°54 | 24°37 | 2°49 | 26°15  | 28°52  | 14° 9  | 11°25 | 11°50  | 10°57 | 24°19 | n.a. |
| T 11 | 19 53 3  | 26°42'35 | 2M32   | 22°41  | 0M 7  | 25°19 | 3° 2 | 26°14  | 28°52  | 14° 9  | 11°27 | 11°D50 | 10°54 | 24°25 | n.a. |
| F 12 | 19 57 0  | 27°41'45 | 16°21  | 23°38  | 1°20  | 26° 1 | 3°14 | 26°13  | 28°51  | 14° 8  | 11°29 | 11°50  | 10°51 | 24°32 | n.a. |
| S 13 | 20 0 57  | 28°40'57 | 29°54  | 24°32  | 2°33  | 26°43 | 3°27 | 26°12  | 28°50  | 14° 8  | 11°31 | 11°52  | 10°48 | 24°39 | n.a. |
| S 14 | 20 4 53  | 29°40'11 | 13A13  | 25°22  | 3°45  | 27°25 | 3°39 | 26°12  | 28°49  | 14° 8  | 11°33 | 11°53  | 10°44 | 24°45 | n.a. |
| M15  | 20 8 50  | 0Q39'27  | 26°18  | 26°10  | 4°58  | 28° 7 | 3°52 | 26°11  | 28°48  | 14° 8  | 11°35 | 11°54  | 10°41 | 24°52 | n.a. |
| T 16 | 20 12 46 | 1°38'45  | 9S10   | 26°54  | 6°11  | 28°49 | 4° 4 | 26°10  | 28°48  | 14° 8  | 11°37 | 11°R55 | 10°38 | 24°59 | n.a. |
| W17  | 20 16 43 | 2°38'06  | 21°49  | 27°33  | 7°24  | 29°31 | 4°16 | 26°10  | 28°47  | 14°D 8 | 11°39 | 11°54  | 10°35 | 25° 6 | n.a. |
| T 18 | 20 20 39 | 3°37'28  | 4S17   | 28° 8  | 8°36  | 0M13  | 4°29 | 26° 9  | 28°46  | 14° 8  | 11°41 | 11°53  | 10°32 | 25°12 | n.a. |
| F 19 | 20 24 36 | 4°36'53  | 16°34  | 28°39  | 9°49  | 0°56  | 4°41 | 26° 9  | 28°46  | 14° 8  | 11°43 | 11°50  | 10°29 | 25°19 | n.a. |
| S 20 | 20 28 33 | 5°36'20  | 28°42  | 29° 4  | 11° 2 | 1°38  | 4°53 | 26° 9  | 28°45  | 14° 8  | 11°45 | 11°47  | 10°25 | 25°26 | n.a. |
| S 21 | 20 32 29 | 6°35'49  | 10X43  | 29°24  | 12°14 | 2°20  | 5° 5 | 26° 9  | 28°45  | 14° 8  | 11°47 | 11°43  | 10°22 | 25°32 | n.a. |
| M22  | 20 36 26 | 7°35'20  | 22°37  | 29°37  | 13°27 | 3° 3  | 5°17 | 26°D 9 | 28°44  | 14° 8  | 11°49 | 11°38  | 10°19 | 25°39 | n.a. |
| T 23 | 20 40 22 | 8°34'54  | 4Y29   | 29°R43 | 14°39 | 3°45  | 5°29 | 26° 9  | 28°44  | 14° 9  | 11°51 | 11°34  | 10°16 | 25°46 | n.a. |
| W24  | 20 44 19 | 9°34'31  | 16°21  | 29°43  | 15°52 | 4°28  | 5°41 | 26° 9  | 28°44  | 14° 9  | 11°53 | 11°31  | 10°13 | 25°53 | n.a. |
| T 25 | 20 48 15 | 10°34'10 | 28°17  | 29°35  | 17° 4 | 5°11  | 5°53 | 26° 9  | 28°43  | 14° 9  | 11°56 | 11°29  | 10° 9 | 25°59 | n.a. |
| F 26 | 20 52 12 | 11°33'51 | 10S22  | 29°19  | 18°17 | 5°53  | 6° 5 | 26°10  | 28°43  | 14° 9  | 11°58 | 11°D28 | 10° 6 | 26° 6 | n.a. |
| S 27 | 20 56 8  | 12°33'35 | 22°41  | 28°54  | 19°29 | 6°36  | 6°17 | 26°10  | 28°43  | 14°10  | 12° 0 | 11°28  | 10° 3 | 26°13 | n.a. |
| S 28 | 21 0 5   | 13°33'21 | 5II18  | 28°22  | 20°41 | 7°19  | 6°29 | 26°11  | 28°43  | 14°10  | 12° 2 | 11°30  | 10° 0 | 26°20 | n.a. |
| M29  | 21 4 1   | 14°33'10 | 18°17  | 27°40  | 21°53 | 8° 2  | 6°40 | 26°11  | 28°43  | 14°10  | 12° 4 | 11°31  | 9°57  | 26°26 | n.a. |
| T 30 | 21 7 58  | 15°33'01 | 1S41   | 26°51  | 23° 6 | 8°45  | 6°52 | 26°12  | 28°D43 | 14°11  | 12° 7 | 11°33  | 9°54  | 26°33 | n.a. |
| W31  | 21 11 55 | 16Q32'55 | 15S33  | 25Q53  | 24M18 | 9M28  | 7S 4 | 26M13  | 28M43  | 14M11  | 12M 9 | 11°R33 | 9S50  | 26X40 | n.a. |

Delta T = 16h56m42s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2458 BCE

SEPTEMBER 2458 BCE (-2457) JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽      | ♀      | ♁      | ♂     | ♃     | ♄     | ♅     | ♆     | ♇     | ♈      | ♉    | ♊     | ♋    | ♌ | ♍ |
|------|----------|----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|------|-------|------|---|---|
| T 1  | 21 15 51 | 17°32'51 | 29°50  | 24°R50 | 25°30  | 10°11 | 7°15  | 26°14 | 28°43 | 14°12 | 12°11 | 11°R32 | 9°47 | 26°46 | n.a. |   |   |
| F 2  | 21 19 48 | 18°32'49 | 14°30  | 23°40  | 26°42  | 10°54 | 7°26  | 26°15 | 28°43 | 14°12 | 12°13 | 11°329 | 9°44 | 26°53 | n.a. |   |   |
| S 3  | 21 23 44 | 19°32'49 | 29°26  | 22°27  | 27°54  | 11°37 | 7°38  | 26°16 | 28°43 | 14°13 | 12°16 | 11°24  | 9°41 | 27° 0 | n.a. |   |   |
| S 4  | 21 27 41 | 20°32'51 | 14°29  | 21°12  | 29° 6  | 12°21 | 7°49  | 26°18 | 28°44 | 14°13 | 12°18 | 11°18  | 9°38 | 27° 7 | n.a. |   |   |
| M 5  | 21 31 37 | 21°32'56 | 29°30  | 19°57  | 0°18   | 13° 4 | 8° 0  | 26°19 | 28°44 | 14°14 | 12°20 | 11°12  | 9°35 | 27°13 | n.a. |   |   |
| T 6  | 21 35 34 | 22°33'02 | 14°20  | 18°44  | 1°30   | 13°47 | 8°11  | 26°21 | 28°44 | 14°15 | 12°23 | 11° 6  | 9°31 | 27°20 | n.a. |   |   |
| W 7  | 21 39 30 | 23°33'10 | 28°52  | 17°36  | 2°42   | 14°31 | 8°22  | 26°22 | 28°45 | 14°15 | 12°25 | 11° 2  | 9°28 | 27°27 | n.a. |   |   |
| T 8  | 21 43 27 | 24°33'19 | 13°11  | 16°35  | 3°54   | 15°14 | 8°33  | 26°24 | 28°45 | 14°16 | 12°27 | 11° 0  | 9°25 | 27°33 | n.a. |   |   |
| F 9  | 21 47 24 | 25°33'31 | 26°48  | 15°43  | 5° 6   | 15°58 | 8°44  | 26°26 | 28°46 | 14°17 | 12°30 | 10°D59 | 9°22 | 27°40 | n.a. |   |   |
| S 10 | 21 51 20 | 26°33'44 | 10°13  | 15° 0  | 6°18   | 16°42 | 8°55  | 26°28 | 28°46 | 14°18 | 12°32 | 11° 0  | 9°19 | 27°47 | n.a. |   |   |
| S 11 | 21 55 17 | 27°33'59 | 23°17  | 14°28  | 7°29   | 17°25 | 9° 6  | 26°30 | 28°47 | 14°18 | 12°34 | 11° 1  | 9°15 | 27°54 | n.a. |   |   |
| M12  | 21 59 13 | 28°34'16 | 6°5    | 14° 8  | 8°41   | 18° 9 | 9°16  | 26°32 | 28°48 | 14°19 | 12°37 | 11°R 2 | 9°12 | 28° 0 | n.a. |   |   |
| T13  | 22 3 10  | 29°34'34 | 18°38  | 13°D59 | 9°52   | 18°53 | 9°27  | 26°34 | 28°48 | 14°20 | 12°39 | 11° 2  | 9° 9 | 28° 7 | n.a. |   |   |
| W14  | 22 7 6   | 0°34'54  | 18° 0  | 14° 2  | 11° 4  | 19°37 | 9°37  | 26°36 | 28°49 | 14°21 | 12°42 | 11° 0  | 9° 6 | 28°14 | n.a. |   |   |
| T15  | 22 11 3  | 1°35'16  | 13°13  | 14°16  | 12°15  | 20°21 | 9°48  | 26°39 | 28°50 | 14°22 | 12°44 | 10°55  | 9° 3 | 28°21 | n.a. |   |   |
| F16  | 22 14 59 | 2°35'40  | 25°19  | 14°40  | 13°27  | 21° 5 | 9°58  | 26°41 | 28°51 | 14°23 | 12°46 | 10°48  | 9° 0 | 28°27 | n.a. |   |   |
| S17  | 22 18 56 | 3°36'05  | 7°19   | 15°13  | 14°38  | 21°49 | 10° 8 | 26°44 | 28°52 | 14°24 | 12°49 | 10°39  | 8°56 | 28°34 | n.a. |   |   |
| S18  | 22 22 53 | 4°36'32  | 19°15  | 15°55  | 15°49  | 22°33 | 10°18 | 26°47 | 28°53 | 14°25 | 12°51 | 10°29  | 8°53 | 28°41 | n.a. |   |   |
| M19  | 22 26 49 | 5°37'01  | 1°Y 8  | 16°45  | 17° 0  | 23°17 | 10°28 | 26°49 | 28°54 | 14°26 | 12°54 | 10°17  | 8°50 | 28°47 | n.a. |   |   |
| T20  | 22 30 46 | 6°37'33  | 12°59  | 17°41  | 18°11  | 24° 1 | 10°38 | 26°52 | 28°55 | 14°27 | 12°56 | 10° 7  | 8°47 | 28°54 | n.a. |   |   |
| W21  | 22 34 42 | 7°38'06  | 24°52  | 18°44  | 19°22  | 24°45 | 10°48 | 26°55 | 28°56 | 14°28 | 12°59 | 9°57   | 8°44 | 29° 1 | n.a. |   |   |
| T22  | 22 38 39 | 8°38'41  | 6°B48  | 19°52  | 20°33  | 25°30 | 10°57 | 26°58 | 28°57 | 14°29 | 13° 1 | 9°50   | 8°41 | 29° 8 | n.a. |   |   |
| F23  | 22 42 35 | 9°39'18  | 18°51  | 21° 4  | 21°44  | 26°14 | 11° 7 | 27° 1 | 28°58 | 14°31 | 13° 3 | 9°45   | 8°37 | 29°14 | n.a. |   |   |
| S24  | 22 46 32 | 10°39'57 | 1°II 6 | 22°21  | 22°55  | 26°59 | 11°16 | 27° 5 | 28°59 | 14°32 | 13° 6 | 9°43   | 8°34 | 29°21 | n.a. |   |   |
| S25  | 22 50 28 | 11°40'38 | 13°36  | 23°40  | 24° 6  | 27°43 | 11°26 | 27° 8 | 29° 1 | 14°33 | 13° 8 | 9°D42  | 8°31 | 29°28 | n.a. |   |   |
| M26  | 22 54 25 | 12°41'21 | 26°28  | 25° 3  | 25°16  | 28°28 | 11°35 | 27°11 | 29° 2 | 14°34 | 13°11 | 9°43   | 8°28 | 29°34 | n.a. |   |   |
| T27  | 22 58 22 | 13°42'06 | 9°B45  | 26°28  | 26°27  | 29°12 | 11°44 | 27°15 | 29° 4 | 14°36 | 13°13 | 9°R43  | 8°25 | 29°41 | n.a. |   |   |
| W28  | 23 2 18  | 14°42'53 | 23°30  | 27°54  | 27°37  | 29°57 | 11°53 | 27°18 | 29° 5 | 14°37 | 13°16 | 9°42   | 8°21 | 29°48 | n.a. |   |   |
| T29  | 23 6 15  | 15°43'41 | 7°A45  | 29°23  | 28°48  | 0°A42 | 12° 2 | 27°22 | 29° 7 | 14°38 | 13°18 | 9°39   | 8°18 | 29°55 | n.a. |   |   |
| F30  | 23 10 11 | 16°44'31 | 22°A27 | 0°B53  | 29°A58 | 1°A26 | 12°11 | 27°26 | 29° 8 | 14°40 | 13°21 | 9°34   | 8°15 | 0°Y 1 | n.a. |   |   |

Delta T = 16h56m39s Julian Calendar 1 Sept. 2458 BCE == Greg. Calendar 12 Aug. 2458 BCE  
 The year -2457 astronomical counting style corresponds to year 2458 B.C.E historical counting style.

OCTOBER 2458 BCE (-2457) JC

00:00 UT

| Day | Sid.t    | ☉        | ☽       | ♀      | ♁     | ♂      | ♃     | ♄     | ♅     | ♆     | ♇     | ♈     | ♉     | ♊     | ♋     | ♌    | ♍ |
|-----|----------|----------|---------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|---|
| S 1 | 23 14 8  | 17°45'23 | 7°32    | 2°23   | 1°11  | 8      | 2°11  | 12°19 | 27°30 | 29°10 | 14°41 | 13°23 | 9°R25 | 8°12  | 0°Y 8 | n.a. |   |
| S 2 | 23 18 4  | 18°46'17 | 22°50   | 3°55   | 2°18  | 2°56   | 12°28 | 27°34 | 29°11 | 14°43 | 13°25 | 9°15  | 8° 9  | 0°15  | n.a.  |      |   |
| M 3 | 23 22 1  | 19°47'11 | 8°10    | 5°28   | 3°28  | 3°41   | 12°36 | 27°38 | 29°13 | 14°44 | 13°28 | 9° 4  | 8° 6  | 0°22  | n.a.  |      |   |
| T 4 | 23 25 57 | 20°48'07 | 23°20   | 7° 1   | 4°38  | 4°26   | 12°45 | 27°42 | 29°15 | 14°46 | 13°30 | 8°54  | 8° 2  | 0°28  | n.a.  |      |   |
| W 5 | 23 29 54 | 21°49'05 | 8°11    | 8°34   | 5°48  | 5°11   | 12°53 | 27°46 | 29°17 | 14°47 | 13°33 | 8°46  | 7°59  | 0°35  | n.a.  |      |   |
| T 6 | 23 33 51 | 22°50'03 | 22°35   | 10° 8  | 6°58  | 5°56   | 13° 1 | 27°50 | 29°18 | 14°49 | 13°35 | 8°40  | 7°56  | 0°42  | n.a.  |      |   |
| F 7 | 23 37 47 | 23°51'03 | 6°A30   | 11°42  | 8° 7  | 6°41   | 13° 9 | 27°55 | 29°20 | 14°50 | 13°38 | 8°37  | 7°53  | 0°48  | n.a.  |      |   |
| S 8 | 23 41 44 | 24°52'04 | 19°58   | 13°16  | 9°17  | 7°26   | 13°16 | 27°59 | 29°22 | 14°52 | 13°40 | 8°D36 | 7°50  | 0°55  | n.a.  |      |   |
| S 9 | 23 45 40 | 25°53'05 | 3°3     | 14°50  | 10°26 | 8°12   | 13°24 | 28° 4 | 29°24 | 14°53 | 13°42 | 8°R36 | 7°46  | 1° 2  | n.a.  |      |   |
| M10 | 23 49 37 | 26°54'08 | 15°41   | 16°25  | 11°35 | 8°57   | 13°32 | 28° 8 | 29°26 | 14°55 | 13°45 | 8°36  | 7°43  | 1° 9  | n.a.  |      |   |
| T11 | 23 53 33 | 27°55'11 | 28° 5   | 17°59  | 12°44 | 9°42   | 13°39 | 28°13 | 29°28 | 14°57 | 13°47 | 8°34  | 7°40  | 1°15  | n.a.  |      |   |
| W12 | 23 57 30 | 28°56'15 | 10°A17  | 19°34  | 13°53 | 10°28  | 13°46 | 28°18 | 29°30 | 14°58 | 13°50 | 8°30  | 7°37  | 1°22  | n.a.  |      |   |
| T13 | 0 1 26   | 29°57'20 | 22°20   | 21° 8  | 15° 2 | 11°13  | 13°53 | 28°23 | 29°32 | 15° 0 | 13°52 | 8°24  | 7°34  | 1°29  | n.a.  |      |   |
| F14 | 0 5 23   | 0°A58'26 | 4°X17   | 22°42  | 16°11 | 11°59  | 14° 0 | 28°27 | 29°35 | 15° 2 | 13°54 | 8°14  | 7°31  | 1°35  | n.a.  |      |   |
| S15 | 0 9 20   | 1°59'33  | 16°11   | 24°17  | 17°19 | 12°44  | 14° 7 | 28°32 | 29°37 | 15° 4 | 13°57 | 8° 1  | 7°27  | 1°42  | n.a.  |      |   |
| S16 | 0 13 16  | 3° 0'41  | 28° 4   | 25°51  | 18°28 | 13°30  | 14°13 | 28°37 | 29°39 | 15° 5 | 13°59 | 7°47  | 7°24  | 1°49  | n.a.  |      |   |
| M17 | 0 17 13  | 4° 1'50  | 9°Y56   | 27°26  | 19°36 | 14°15  | 14°20 | 28°43 | 29°41 | 15° 7 | 14° 1 | 7°31  | 7°21  | 1°56  | n.a.  |      |   |
| T18 | 0 21 9   | 5° 2'59  | 21°50   | 29° 0  | 20°44 | 15° 1  | 14°26 | 28°48 | 29°44 | 15° 9 | 14° 4 | 7°17  | 7°18  | 2° 2  | n.a.  |      |   |
| W19 | 0 25 6   | 6° 4'10  | 3°B47   | 0°A34  | 21°52 | 15°47  | 14°32 | 28°53 | 29°46 | 15°11 | 14° 6 | 7° 3  | 7°15  | 2° 9  | n.a.  |      |   |
| T20 | 0 29 2   | 7° 5'22  | 15°47   | 2° 8   | 22°59 | 16°32  | 14°38 | 28°58 | 29°49 | 15°13 | 14° 8 | 6°53  | 7°12  | 2°16  | n.a.  |      |   |
| F21 | 0 32 59  | 8° 6'34  | 27°54   | 3°43   | 24° 7 | 17°18  | 14°44 | 29° 4 | 29°51 | 15°15 | 14°11 | 6°45  | 7° 8  | 2°23  | n.a.  |      |   |
| S22 | 0 36 55  | 9° 7'48  | 10°II11 | 5°17   | 25°14 | 18° 4  | 14°50 | 29° 9 | 29°53 | 15°17 | 14°13 | 6°40  | 7° 5  | 2°29  | n.a.  |      |   |
| S23 | 0 40 52  | 10° 9'03 | 22°41   | 6°51   | 26°21 | 18°50  | 14°55 | 29°15 | 29°56 | 15°19 | 14°15 | 6°38  | 7° 2  | 2°36  | n.a.  |      |   |
| M24 | 0 44 48  | 11°10'18 | 5°B28   | 8°26   | 27°28 | 19°36  | 15° 1 | 29°20 | 29°59 | 15°20 | 14°17 | 6°38  | 6°59  | 2°43  | n.a.  |      |   |
| T25 | 0 48 45  | 12°11'35 | 18°36   | 10° 0  | 28°35 | 20°22  | 15° 6 | 29°26 | 0°A 1 | 15°22 | 14°20 | 6°38  | 6°56  | 2°49  | n.a.  |      |   |
| W26 | 0 52 42  | 13°12'53 | 2°A10   | 11°34  | 29°42 | 21° 8  | 15°11 | 29°31 | 0° 4  | 15°24 | 14°22 | 6°37  | 6°52  | 2°56  | n.a.  |      |   |
| T27 | 0 56 38  | 14°14'11 | 16°12   | 13° 9  | 0°A48 | 21°54  | 15°16 | 29°37 | 0° 6  | 15°26 | 14°24 | 6°34  | 6°49  | 3° 3  | n.a.  |      |   |
| F28 | 1 0 35   | 15°15'30 | 0°B42   | 14°44  | 1°54  | 22°40  | 15°21 | 29°43 | 0° 9  | 15°28 | 14°26 | 6°28  | 6°46  | 3°10  | n.a.  |      |   |
| S29 | 1 4 31   | 16°16'50 | 15°36   | 16°18  | 3° 0  | 23°26  | 15°25 | 29°49 | 0°12  | 15°30 | 14°28 | 6°20  | 6°43  | 3°16  | n.a.  |      |   |
| S30 | 1 8 28   | 17°18'10 | 0°A49   | 17°53  | 4° 6  | 24°12  | 15°30 | 29°55 | 0°15  | 15°33 | 14°31 | 6° 9  | 6°40  | 3°23  | n.a.  |      |   |
| M31 | 1 12 24  | 18°19'31 | 16°A 9  | 19°A28 | 5°A11 | 24°A58 | 15°34 | 0°A 1 | 0°A17 | 15°35 | 14°33 | 5°57  | 6°37  | 3°Y30 | n.a.  |      |   |

Delta T = 16h56m37s Julian Calendar created from Swiss Ephemeris, Copyright AstroDienst AG [6.2.2007]

SWISS EPHEMERIS for the year 2458 BCE

NOVEMBER 2458 BCE (-2457) JC

00:00 UT

| Day  | Sid.t   | ☉                     | ☽                  | ♀                  | ♁                 | ♂                  | ♃                  | ♅                 | ♁                 | ♄                  | ♁                  | ♁                 | ♁                 | ♁                 | ♁    |
|------|---------|-----------------------|--------------------|--------------------|-------------------|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|------|
| T 1  | 1 16 21 | 19 <sup>h</sup> 20'52 | 1 <sup>m</sup> 24  | 21 <sup>h</sup> 03 | 6 <sup>m</sup> 16 | 25 <sup>h</sup> 45 | 15 <sup>h</sup> 38 | 0 <sup>h</sup> 7  | 0 <sup>h</sup> 20 | 15 <sup>m</sup> 37 | 14 <sup>m</sup> 35 | 5°R46             | 6 <sup>h</sup> 33 | 3 <sup>h</sup> 37 | n.a. |
| W 2  | 1 20 17 | 20°22'14              | 16°25              | 22°39              | 7°21              | 26°31              | 15°42              | 0°13              | 0°23              | 15°39              | 14°37              | 5°37              | 6°30              | 3°43              | n.a. |
| T 3  | 1 24 14 | 21°23'35              | 1 <sup>h</sup> 1   | 24°14              | 8°26              | 27°17              | 15°45              | 0°19              | 0°26              | 15°41              | 14°39              | 5°30              | 6°27              | 3°50              | n.a. |
| F 4  | 1 28 11 | 22°24'57              | 15°9               | 25°50              | 9°30              | 28°4               | 15°49              | 0°25              | 0°29              | 15°43              | 14°41              | 5°26              | 6°24              | 3°57              | n.a. |
| S 5  | 1 32 7  | 23°26'19              | 28°47              | 27°26              | 10°34             | 28°50              | 15°52              | 0°32              | 0°32              | 15°45              | 14°43              | 5°24              | 6°21              | 4°3               | n.a. |
| S 6  | 1 36 4  | 24°27'41              | 11 <sup>h</sup> 56 | 29°2               | 11°38             | 29°36              | 15°55              | 0°38              | 0°35              | 15°47              | 14°45              | 5°D24             | 6°18              | 4°10              | n.a. |
| M 7  | 1 40 0  | 25°29'02              | 24°40              | 0 <sup>m</sup> 38  | 12°41             | 0 <sup>m</sup> 38  | 15°58              | 0°44              | 0°38              | 15°49              | 14°47              | 5°R24             | 6°14              | 4°17              | n.a. |
| T 8  | 1 43 57 | 26°30'23              | 7 <sup>h</sup> 5   | 2°15               | 13°44             | 1°9                | 16°1               | 0°51              | 0°41              | 15°52              | 14°49              | 5°24              | 6°11              | 4°24              | n.a. |
| W 9  | 1 47 53 | 27°31'44              | 19°14              | 3°52               | 14°47             | 1°56               | 16°4               | 0°57              | 0°44              | 15°54              | 14°51              | 5°21              | 6°8               | 4°30              | n.a. |
| T 10 | 1 51 50 | 28°33'05              | 1 <sup>h</sup> 13  | 5°29               | 15°49             | 2°42               | 16°6               | 1°3               | 0°47              | 15°56              | 14°53              | 5°17              | 6°5               | 4°37              | n.a. |
| F 11 | 1 55 46 | 29°34'25              | 13°7               | 7°6                | 16°51             | 3°29               | 16°8               | 1°10              | 0°50              | 15°58              | 14°55              | 5°9               | 6°2               | 4°44              | n.a. |
| S 12 | 1 59 43 | 0 <sup>m</sup> 35'45  | 24°58              | 8°43               | 17°53             | 4°16               | 16°10              | 1°17              | 0°53              | 16°0               | 14°57              | 4°59              | 5°58              | 4°51              | n.a. |
| S 13 | 2 3 40  | 1°37'05               | 6 <sup>h</sup> 50  | 10°21              | 18°54             | 5°2                | 16°12              | 1°23              | 0°56              | 16°3               | 14°59              | 4°47              | 5°55              | 4°57              | n.a. |
| M 14 | 2 7 36  | 2°38'24               | 18°44              | 11°58              | 19°55             | 5°49               | 16°14              | 1°30              | 1°0               | 16°5               | 15°0               | 4°34              | 5°52              | 5°4               | n.a. |
| T 15 | 2 11 33 | 3°39'43               | 0 <sup>h</sup> 43  | 13°36              | 20°55             | 6°36               | 16°15              | 1°36              | 1°3               | 16°7               | 15°2               | 4°21              | 5°49              | 5°11              | n.a. |
| W 16 | 2 15 29 | 4°41'02               | 12°48              | 15°14              | 21°55             | 7°22               | 16°16              | 1°43              | 1°6               | 16°9               | 15°4               | 4°10              | 5°46              | 5°17              | n.a. |
| T 17 | 2 19 26 | 5°42'21               | 24°58              | 16°52              | 22°55             | 8°9                | 16°17              | 1°50              | 1°9               | 16°12              | 15°6               | 4°1               | 5°43              | 5°24              | n.a. |
| F 18 | 2 23 22 | 6°43'39               | 7 <sup>h</sup> 17  | 18°30              | 23°54             | 8°56               | 16°18              | 1°57              | 1°13              | 16°14              | 15°7               | 3°55              | 5°39              | 5°31              | n.a. |
| S 19 | 2 27 19 | 7°44'58               | 19°44              | 20°8               | 24°52             | 9°43               | 16°19              | 2°3               | 1°16              | 16°16              | 15°9               | 3°52              | 5°36              | 5°38              | n.a. |
| S 20 | 2 31 15 | 8°46'16               | 2 <sup>h</sup> 23  | 21°45              | 25°50             | 10°29              | 16°19              | 2°10              | 1°19              | 16°18              | 15°11              | 3°D51             | 5°33              | 5°44              | n.a. |
| M 21 | 2 35 12 | 9°47'33               | 15°16              | 23°22              | 26°48             | 11°16              | 16°20              | 2°17              | 1°22              | 16°21              | 15°12              | 3°51              | 5°30              | 5°51              | n.a. |
| T 22 | 2 39 9  | 10°48'51              | 28°26              | 24°59              | 27°45             | 12°3               | 16°R20             | 2°24              | 1°26              | 16°23              | 15°14              | 3°52              | 5°27              | 5°58              | n.a. |
| W 23 | 2 43 5  | 11°50'08              | 11 <sup>h</sup> 55 | 26°35              | 28°41             | 12°50              | 16°20              | 2°31              | 1°29              | 16°25              | 15°16              | 3°R53             | 5°23              | 6°4               | n.a. |
| T 24 | 2 47 2  | 12°51'25              | 25°46              | 28°9               | 29°37             | 13°37              | 16°19              | 2°38              | 1°32              | 16°27              | 15°17              | 3°52              | 5°20              | 6°11              | n.a. |
| F 25 | 2 50 58 | 13°52'41              | 9 <sup>h</sup> 59  | 29°43              | 0 <sup>h</sup> 32 | 14°24              | 16°19              | 2°45              | 1°36              | 16°30              | 15°19              | 3°49              | 5°17              | 6°18              | n.a. |
| S 26 | 2 54 55 | 14°53'57              | 24°33              | 1 <sup>h</sup> 15  | 1°27              | 15°11              | 16°18              | 2°52              | 1°39              | 16°32              | 15°20              | 3°44              | 5°14              | 6°25              | n.a. |
| S 27 | 2 58 51 | 15°55'13              | 9 <sup>h</sup> 23  | 2°45               | 2°20              | 15°58              | 16°17              | 2°59              | 1°43              | 16°34              | 15°22              | 3°37              | 5°11              | 6°31              | n.a. |
| M 28 | 3 2 48  | 16°56'28              | 24°24              | 4°13               | 3°14              | 16°45              | 16°16              | 3°6               | 1°46              | 16°36              | 15°23              | 3°30              | 5°8               | 6°38              | n.a. |
| T 29 | 3 6 44  | 17°57'42              | 9 <sup>h</sup> 24  | 5°39               | 4°6               | 17°32              | 16°15              | 3°13              | 1°49              | 16°39              | 15°25              | 3°22              | 5°4               | 6°45              | n.a. |
| W 30 | 3 10 41 | 18 <sup>m</sup> 58'56 | 24 <sup>m</sup> 16 | 7 <sup>h</sup> 1   | 4 <sup>h</sup> 58 | 18 <sup>m</sup> 19 | 16 <sup>h</sup> 13 | 3 <sup>h</sup> 20 | 1 <sup>h</sup> 53 | 16 <sup>m</sup> 41 | 15 <sup>h</sup> 26 | 3 <sup>h</sup> 16 | 5 <sup>h</sup> 1  | 6 <sup>h</sup> 52 | n.a. |

Delta T = 16h56m34s Julian Calendar 1 Nov. 2458 BCE == Greg. Calendar 12 Oct. 2458 BCE  
 The year -2457 astronomical counting style corresponds to year 2458 B.C.E historical counting style.

DECEMBER 2458 BCE (-2457) JC

00:00 UT

| Day  | Sid.t   | ☉                     | ☽                  | ♀                  | ♁                  | ♂                  | ♃                 | ♅                 | ♁                 | ♄                  | ♁                  | ♁                 | ♁                 | ♁                  | ♁    |
|------|---------|-----------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|--------------------|------|
| T 1  | 3 14 38 | 20 <sup>m</sup> 0'09  | 8 <sup>h</sup> 50  | 8 <sup>h</sup> 19  | 5 <sup>h</sup> 49  | 19 <sup>m</sup> 6  | 16°R12            | 3 <sup>h</sup> 27 | 1 <sup>h</sup> 56 | 16 <sup>m</sup> 43 | 15 <sup>h</sup> 27 | 3°R12             | 4 <sup>h</sup> 58 | 6 <sup>h</sup> 58  | n.a. |
| F 2  | 3 18 34 | 21°1'21               | 23°1               | 9°32               | 6°39               | 19°53              | 16°310            | 3°34              | 2°0               | 16°46              | 15°29              | 3°39              | 4°55              | 7°5                | n.a. |
| S 3  | 3 22 31 | 22°2'32               | 6 <sup>h</sup> 45  | 10°41              | 7°28               | 20°40              | 16°8              | 3°42              | 2°3               | 16°48              | 15°30              | 3°D9              | 4°52              | 7°12               | n.a. |
| S 4  | 3 26 27 | 23°3'41               | 20°1               | 11°43              | 8°17               | 21°27              | 16°6              | 3°49              | 2°7               | 16°50              | 15°31              | 3°10              | 4°49              | 7°18               | n.a. |
| M 5  | 3 30 24 | 24°4'49               | 2 <sup>h</sup> 53  | 12°39              | 9°4                | 22°15              | 16°3              | 3°56              | 2°10              | 16°52              | 15°32              | 3°11              | 4°45              | 7°25               | n.a. |
| T 6  | 3 34 20 | 25°5'56               | 15°23              | 13°26              | 9°51               | 23°2               | 16°0              | 4°3               | 2°14              | 16°55              | 15°34              | 3°13              | 4°42              | 7°32               | n.a. |
| W 7  | 3 38 17 | 26°7'02               | 27°36              | 14°5               | 10°36              | 23°49              | 15°58             | 4°10              | 2°17              | 16°57              | 15°35              | 3°R13             | 4°39              | 7°39               | n.a. |
| T 8  | 3 42 13 | 27°8'06               | 9 <sup>h</sup> 38  | 14°35              | 11°21              | 24°36              | 15°55             | 4°18              | 2°21              | 16°59              | 15°36              | 3°12              | 4°36              | 7°45               | n.a. |
| F 9  | 3 46 10 | 28°9'08               | 21°32              | 14°55              | 12°5               | 25°23              | 15°52             | 4°25              | 2°24              | 17°1               | 15°37              | 3°10              | 4°33              | 7°52               | n.a. |
| S 10 | 3 50 7  | 29°10'09              | 3 <sup>h</sup> 23  | 15°R4              | 12°47              | 26°10              | 15°48             | 4°32              | 2°28              | 17°4               | 15°38              | 3°5               | 4°29              | 7°59               | n.a. |
| S 11 | 3 54 3  | 0 <sup>h</sup> 11'09  | 15°15              | 15°2               | 13°28              | 26°58              | 15°45             | 4°39              | 2°31              | 17°6               | 15°39              | 3°0               | 4°26              | 8°6                | n.a. |
| M 12 | 3 58 0  | 1°12'07               | 27°13              | 14°48              | 14°8               | 27°45              | 15°41             | 4°47              | 2°35              | 17°8               | 15°40              | 2°54              | 4°23              | 8°12               | n.a. |
| T 13 | 4 1 56  | 2°13'04               | 9 <sup>h</sup> 17  | 14°23              | 14°47              | 28°32              | 15°37             | 4°54              | 2°38              | 17°10              | 15°41              | 2°48              | 4°20              | 8°19               | n.a. |
| W 14 | 4 5 53  | 3°13'59               | 21°31              | 13°47              | 15°24              | 29°19              | 15°33             | 5°1               | 2°42              | 17°13              | 15°42              | 2°43              | 4°17              | 8°26               | n.a. |
| T 15 | 4 9 49  | 4°14'53               | 3 <sup>h</sup> 54  | 13°2               | 16°0               | 0 <sup>h</sup> 6   | 15°29             | 5°8               | 2°45              | 17°15              | 15°43              | 2°39              | 4°14              | 8°32               | n.a. |
| F 16 | 4 13 46 | 5°15'46               | 16°29              | 12°7               | 16°35              | 0°54               | 15°24             | 5°16              | 2°49              | 17°17              | 15°44              | 2°36              | 4°10              | 8°39               | n.a. |
| S 17 | 4 17 42 | 6°16'37               | 29°16              | 11°6               | 17°8               | 1°41               | 15°20             | 5°23              | 2°52              | 17°19              | 15°44              | 2°D35             | 4°7               | 8°46               | n.a. |
| S 18 | 4 21 39 | 7°17'27               | 12 <sup>h</sup> 14 | 9°58               | 17°40              | 2°28               | 15°15             | 5°30              | 2°56              | 17°21              | 15°45              | 2°36              | 4°4               | 8°53               | n.a. |
| M 19 | 4 25 36 | 8°18'16               | 25°26              | 8°48               | 18°10              | 3°15               | 15°10             | 5°37              | 2°59              | 17°23              | 15°46              | 2°37              | 4°1               | 8°59               | n.a. |
| T 20 | 4 29 32 | 9°19'03               | 8 <sup>h</sup> 50  | 7°35               | 18°38              | 4°3                | 15°5              | 5°45              | 3°3               | 17°26              | 15°47              | 2°38              | 3°58              | 9°6                | n.a. |
| W 21 | 4 33 29 | 10°19'48              | 22°27              | 6°24               | 19°5               | 4°50               | 15°0              | 5°52              | 3°6               | 17°28              | 15°47              | 2°40              | 3°55              | 9°13               | n.a. |
| T 22 | 4 37 25 | 11°20'33              | 6 <sup>h</sup> 19  | 5°14               | 19°30              | 5°37               | 14°55             | 5°59              | 3°10              | 17°30              | 15°48              | 2°R41             | 3°51              | 9°20               | n.a. |
| F 23 | 4 41 22 | 12°21'16              | 20°24              | 4°9                | 19°53              | 6°24               | 14°49             | 6°6               | 3°13              | 17°32              | 15°49              | 2°41              | 3°48              | 9°26               | n.a. |
| S 24 | 4 45 18 | 13°21'58              | 4 <sup>h</sup> 41  | 3°9                | 20°14              | 7°12               | 14°43             | 6°14              | 3°17              | 17°34              | 15°49              | 2°40              | 3°45              | 9°33               | n.a. |
| S 25 | 4 49 15 | 14°22'38              | 19°7               | 2°16               | 20°34              | 7°59               | 14°38             | 6°21              | 3°20              | 17°36              | 15°50              | 2°38              | 3°42              | 9°40               | n.a. |
| M 26 | 4 53 11 | 15°23'17              | 3 <sup>h</sup> 39  | 1°29               | 20°51              | 8°46               | 14°32             | 6°28              | 3°24              | 17°38              | 15°50              | 2°35              | 3°39              | 9°46               | n.a. |
| T 27 | 4 57 8  | 16°23'55              | 18°12              | 0°51               | 21°6               | 9°33               | 14°26             | 6°35              | 3°27              | 17°40              | 15°51              | 2°33              | 3°35              | 9°53               | n.a. |
| W 28 | 5 1 5   | 17°24'31              | 2 <sup>h</sup> 38  | 0°20               | 21°19              | 10°21              | 14°19             | 6°42              | 3°30              | 17°42              | 15°51              | 2°31              | 3°32              | 10°0               | n.a. |
| T 29 | 5 5 1   | 18°25'05              | 16°53              | 29 <sup>m</sup> 57 | 21°30              | 11°8               | 14°13             | 6°50              | 3°34              | 17°44              | 15°51              | 2°30              | 3°29              | 10°7               | n.a. |
| F 30 | 5 8 58  | 19°25'38              | 0 <sup>h</sup> 51  | 29°42              | 21°38              | 11°55              | 14°7              | 6°57              | 3°37              | 17°46              | 15°52              | 2°D30             | 3°26              | 10°13              | n.a. |
| S 31 | 5 12 54 | 20 <sup>h</sup> 26'09 | 14 <sup>h</sup> 28 | 29 <sup>m</sup> 35 | 21 <sup>h</sup> 45 | 12 <sup>h</sup> 43 | 14 <sup>h</sup> 0 | 7 <sup>h</sup> 4  | 3 <sup>h</sup> 41 | 17 <sup>m</sup> 48 | 15 <sup>h</sup> 52 | 2 <sup>h</sup> 30 | 3 <sup>h</sup> 23 | 10 <sup>h</sup> 20 | n.a. |

Delta T = 16h56m32s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]