

SWISS EPHEMERIS for the year 2322 BCE

JANUARY 2322 BCE (-2321) JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♄      | ♅     | ♆      | ♇     | ♈      | ♉    | ♊     | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|------|-------|------|---|---|---|---|---|---|---|---|
| M 1  | 5 21 48 | 22♂37'24 | 18♂56 | 24♂32 | 8♂29  | 16♂24 | 27♂9  | 25°R29 | 9°R48 | 16♂16  | 25♂39 | 2°R26  | 2♂0  | 14♂45 | n.a. |   |   |   |   |   |   |   |   |
| T 2  | 5 25 45 | 23°37'53 | 2♂34  | 26°22 | 9°44  | 17° 5 | 27°22 | 25♂26  | 9♂46  | 16°16  | 25°39 | 2♂23   | 1°57 | 14°52 | n.a. |   |   |   |   |   |   |   |   |
| W 3  | 5 29 41 | 24°38'19 | 16°42 | 28°13 | 10°59 | 17°45 | 27°36 | 25°22  | 9°43  | 16°16  | 25°39 | 2°18   | 1°54 | 14°59 | n.a. |   |   |   |   |   |   |   |   |
| T 4  | 5 33 38 | 25°38'45 | 1♂18  | 0♂5   | 12°13 | 18°25 | 27°49 | 25°19  | 9°41  | 16°16  | 25°39 | 2°10   | 1°51 | 15° 5 | n.a. |   |   |   |   |   |   |   |   |
| F 5  | 5 37 35 | 26°39'08 | 16°18 | 1°58  | 13°28 | 19° 6 | 28° 2 | 25°15  | 9°38  | 16°16  | 25°39 | 1°59   | 1°48 | 15°12 | n.a. |   |   |   |   |   |   |   |   |
| S 6  | 5 41 31 | 27°39'30 | 1♂32  | 3°50  | 14°43 | 19°46 | 28°16 | 25°11  | 9°36  | 16°R16 | 25°40 | 1°48   | 1°44 | 15°19 | n.a. |   |   |   |   |   |   |   |   |
| S 7  | 5 45 28 | 28°39'49 | 16°50 | 5°44  | 15°57 | 20°26 | 28°29 | 25° 7  | 9°33  | 16°16  | 25°40 | 1°36   | 1°41 | 15°26 | n.a. |   |   |   |   |   |   |   |   |
| M 8  | 5 49 24 | 29°40'07 | 1♂59  | 7°37  | 17°12 | 21° 7 | 28°42 | 25° 3  | 9°31  | 16°16  | 25°40 | 1°26   | 1°38 | 15°32 | n.a. |   |   |   |   |   |   |   |   |
| T 9  | 5 53 21 | 0♂40'22  | 16°51 | 9°30  | 18°27 | 21°47 | 28°55 | 24°59  | 9°28  | 16°16  | 25°40 | 1°19   | 1°35 | 15°39 | n.a. |   |   |   |   |   |   |   |   |
| W10  | 5 57 17 | 1°40'35  | 1♂19  | 11°23 | 19°41 | 22°28 | 29° 8 | 24°55  | 9°25  | 16°16  | 25°40 | 1°14   | 1°32 | 15°46 | n.a. |   |   |   |   |   |   |   |   |
| T 11 | 6 1 14  | 2°40'45  | 15°19 | 13°16 | 20°56 | 23° 8 | 29°21 | 24°51  | 9°23  | 16°16  | 25°41 | 1°12   | 1°29 | 15°52 | n.a. |   |   |   |   |   |   |   |   |
| F 12 | 6 5 10  | 3°40'54  | 28°53 | 15° 8 | 22°11 | 23°48 | 29°34 | 24°47  | 9°20  | 16°16  | 25°41 | 1°12   | 1°25 | 15°59 | n.a. |   |   |   |   |   |   |   |   |
| S 13 | 6 9 7   | 4°40'59  | 12♂3  | 16°59 | 23°25 | 24°29 | 29°47 | 24°43  | 9°18  | 16°16  | 25°41 | 1°12   | 1°22 | 16° 6 | n.a. |   |   |   |   |   |   |   |   |
| S 14 | 6 13 4  | 5°41'03  | 24°52 | 18°48 | 24°40 | 25° 9 | 29°59 | 24°38  | 9°15  | 16°15  | 25°42 | 1°11   | 1°19 | 16°13 | n.a. |   |   |   |   |   |   |   |   |
| M15  | 6 17 0  | 6°41'04  | 7♂24  | 20°35 | 25°54 | 25°49 | 0♂12  | 24°34  | 9°12  | 16°15  | 25°42 | 1° 8   | 1°16 | 16°19 | n.a. |   |   |   |   |   |   |   |   |
| T 16 | 6 20 57 | 7°41'03  | 19°44 | 22°20 | 27° 9 | 26°30 | 0°25  | 24°30  | 9°10  | 16°15  | 25°42 | 1° 2   | 1°13 | 16°26 | n.a. |   |   |   |   |   |   |   |   |
| W17  | 6 24 53 | 8°40'59  | 1♂54  | 24° 3 | 28°23 | 27°10 | 0°37  | 24°25  | 9° 7  | 16°14  | 25°43 | 0°53   | 1°10 | 16°33 | n.a. |   |   |   |   |   |   |   |   |
| T 18 | 6 28 50 | 9°40'54  | 13°57 | 25°41 | 29°38 | 27°50 | 0°50  | 24°21  | 9° 4  | 16°14  | 25°43 | 0°42   | 1° 6 | 16°39 | n.a. |   |   |   |   |   |   |   |   |
| F 19 | 6 32 46 | 10°40'46 | 25°55 | 27°17 | 0♂52  | 28°31 | 1° 2  | 24°17  | 9° 2  | 16°14  | 25°44 | 0°28   | 1° 3 | 16°46 | n.a. |   |   |   |   |   |   |   |   |
| S 20 | 6 36 43 | 11°40'35 | 7♂50  | 28°47 | 2° 7  | 29°11 | 1°15  | 24°12  | 8°59  | 16°13  | 25°44 | 0°14   | 1° 0 | 16°53 | n.a. |   |   |   |   |   |   |   |   |
| S 21 | 6 40 39 | 12°40'23 | 19°42 | 0♂13  | 3°21  | 29°51 | 1°27  | 24° 8  | 8°57  | 16°13  | 25°45 | 0° 0   | 0°57 | 17° 0 | n.a. |   |   |   |   |   |   |   |   |
| M22  | 6 44 36 | 13°40'09 | 1♂34  | 1°33  | 4°36  | 0♂31  | 1°39  | 24° 3  | 8°54  | 16°12  | 25°45 | 29♂47  | 0°54 | 17° 6 | n.a. |   |   |   |   |   |   |   |   |
| T 23 | 6 48 33 | 14°39'52 | 13°27 | 2°47  | 5°50  | 1°12  | 1°51  | 23°59  | 8°51  | 16°12  | 25°46 | 29°37  | 0°50 | 17°13 | n.a. |   |   |   |   |   |   |   |   |
| W24  | 6 52 29 | 15°39'33 | 25°23 | 3°55  | 7° 5  | 1°52  | 2° 3  | 23°54  | 8°49  | 16°11  | 25°46 | 29°29  | 0°47 | 17°20 | n.a. |   |   |   |   |   |   |   |   |
| T 25 | 6 56 26 | 16°39'12 | 7♂24  | 4°56  | 8°19  | 2°32  | 2°15  | 23°49  | 8°46  | 16°10  | 25°47 | 29°25  | 0°44 | 17°26 | n.a. |   |   |   |   |   |   |   |   |
| F 26 | 7 0 22  | 17°38'49 | 19°35 | 5°50  | 9°34  | 3°13  | 2°27  | 23°45  | 8°44  | 16°10  | 25°47 | 29°22  | 0°41 | 17°33 | n.a. |   |   |   |   |   |   |   |   |
| S 27 | 7 4 19  | 18°38'24 | 1♂58  | 6°36  | 10°48 | 3°53  | 2°39  | 23°40  | 8°41  | 16° 9  | 25°48 | 29°D22 | 0°38 | 17°40 | n.a. |   |   |   |   |   |   |   |   |
| S 28 | 7 8 15  | 19°37'58 | 14°40 | 7°14  | 12° 2 | 4°33  | 2°51  | 23°36  | 8°38  | 16° 8  | 25°49 | 29°R22 | 0°35 | 17°47 | n.a. |   |   |   |   |   |   |   |   |
| M29  | 7 12 12 | 20°37'29 | 27°43 | 7°43  | 13°17 | 5°13  | 3° 3  | 23°31  | 8°36  | 16° 8  | 25°49 | 29°22  | 0°31 | 17°53 | n.a. |   |   |   |   |   |   |   |   |
| T 30 | 7 16 8  | 21°36'58 | 11♂13 | 8° 5  | 14°31 | 5°54  | 3°14  | 23°26  | 8°33  | 16° 7  | 25°50 | 29°21  | 0°28 | 18° 0 | n.a. |   |   |   |   |   |   |   |   |
| W31  | 7 20 5  | 22♂36'26 | 25♂11 | 8♂19  | 15♂46 | 6♂34  | 3♂26  | 23♂22  | 8♂31  | 16♂6   | 25♂51 | 29♂17  | 0♂25 | 18♂7  | n.a. |   |   |   |   |   |   |   |   |

Delta T = 15h52m01s Julian Calendar 1 Jan. 2322 BCE == Greg. Calendar 12 Dec. 2323 BCE  
 The year -2321 astronomical counting style corresponds to year 2322 B.C.E historical counting style.

FEBRUARY 2322 BCE (-2321) JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀      | ♁     | ♂     | ♃    | ♄      | ♅     | ♆      | ♇     | ♈      | ♉     | ♊     | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|---------|----------|-------|--------|-------|-------|------|--------|-------|--------|-------|--------|-------|-------|------|---|---|---|---|---|---|---|---|
| T 1  | 7 24 2  | 23♂35'51 | 9♂38  | 8°R24  | 17♂0  | 7♂14  | 3♂37 | 23°R17 | 8°R28 | 16°R 5 | 25♂51 | 29°R11 | 0♂22  | 18♂14 | n.a. |   |   |   |   |   |   |   |   |
| F 2  | 7 27 58 | 24°35'15 | 24°30 | 8♂21   | 18°14 | 7°54  | 3°49 | 23♂12  | 8♂26  | 16♂5   | 25°52 | 29♂2   | 0°19  | 18°20 | n.a. |   |   |   |   |   |   |   |   |
| S 3  | 7 31 55 | 25°34'36 | 9♂41  | 8°10   | 19°29 | 8°34  | 4° 0 | 23° 8  | 8°23  | 16° 4  | 25°53 | 28°53  | 0°16  | 18°27 | n.a. |   |   |   |   |   |   |   |   |
| S 4  | 7 35 51 | 26°33'56 | 25° 0 | 7°52   | 20°43 | 9°14  | 4°11 | 23° 3  | 8°21  | 16° 3  | 25°53 | 28°43  | 0°12  | 18°34 | n.a. |   |   |   |   |   |   |   |   |
| M 5  | 7 39 48 | 27°33'13 | 10♂16 | 7°27   | 21°57 | 9°54  | 4°22 | 22°58  | 8°18  | 16° 2  | 25°54 | 28°35  | 0° 9  | 18°40 | n.a. |   |   |   |   |   |   |   |   |
| T 6  | 7 43 44 | 28°32'27 | 25°18 | 6°56   | 23°12 | 10°35 | 4°33 | 22°54  | 8°16  | 16° 1  | 25°55 | 28°29  | 0° 6  | 18°47 | n.a. |   |   |   |   |   |   |   |   |
| W 7  | 7 47 41 | 29°31'40 | 9♂58  | 6°19   | 24°26 | 11°15 | 4°44 | 22°49  | 8°14  | 16° 0  | 25°56 | 28°25  | 0° 3  | 18°54 | n.a. |   |   |   |   |   |   |   |   |
| T 8  | 7 51 37 | 0♂30'49  | 24°11 | 5°37   | 25°40 | 11°55 | 4°55 | 22°44  | 8°11  | 15°59  | 25°57 | 28°D23 | 0° 0  | 19° 1 | n.a. |   |   |   |   |   |   |   |   |
| F 9  | 7 55 34 | 1°29'57  | 7♂55  | 4°52   | 26°54 | 12°35 | 5° 6 | 22°40  | 8° 9  | 15°58  | 25°57 | 28°24  | 29♂56 | 19° 7 | n.a. |   |   |   |   |   |   |   |   |
| S 10 | 7 59 31 | 2°29'01  | 21°12 | 4° 4   | 28° 9 | 13°15 | 5°16 | 22°35  | 8° 7  | 15°57  | 25°58 | 28°24  | 29°53 | 19°14 | n.a. |   |   |   |   |   |   |   |   |
| S 11 | 8 3 27  | 3°28'04  | 4♂ 4  | 3°14   | 29°23 | 13°55 | 5°27 | 22°31  | 8° 4  | 15°56  | 25°59 | 28°R25 | 29°50 | 19°21 | n.a. |   |   |   |   |   |   |   |   |
| M12  | 8 7 24  | 4°27'03  | 16°37 | 2°23   | 0♂37  | 14°34 | 5°37 | 22°26  | 8° 2  | 15°55  | 26° 0 | 28°24  | 29°47 | 19°27 | n.a. |   |   |   |   |   |   |   |   |
| T 13 | 8 11 20 | 5°26'01  | 28°53 | 1°33   | 1°51  | 15°14 | 5°47 | 22°22  | 8° 0  | 15°54  | 26° 1 | 28°21  | 29°44 | 19°34 | n.a. |   |   |   |   |   |   |   |   |
| W14  | 8 15 17 | 6°24'56  | 10♂59 | 0°44   | 3° 5  | 15°54 | 5°57 | 22°17  | 7°58  | 15°53  | 26° 2 | 28°16  | 29°41 | 19°41 | n.a. |   |   |   |   |   |   |   |   |
| T 15 | 8 19 13 | 7°23'48  | 22°56 | 29♂57  | 4°20  | 16°34 | 6° 8 | 22°13  | 7°55  | 15°51  | 26° 3 | 28° 9  | 29°37 | 19°48 | n.a. |   |   |   |   |   |   |   |   |
| F 16 | 8 23 10 | 8°22'38  | 4♂50  | 29°13  | 5°34  | 17°14 | 6°18 | 22° 8  | 7°53  | 15°50  | 26° 4 | 28° 0  | 29°34 | 19°54 | n.a. |   |   |   |   |   |   |   |   |
| S 17 | 8 27 6  | 9°21'26  | 16°41 | 28°32  | 6°48  | 17°54 | 6°27 | 22° 4  | 7°51  | 15°49  | 26° 5 | 27°51  | 29°31 | 20° 1 | n.a. |   |   |   |   |   |   |   |   |
| S 18 | 8 31 3  | 10°20'11 | 28°33 | 27°56  | 8° 2  | 18°33 | 6°37 | 22° 0  | 7°49  | 15°48  | 26° 6 | 27°42  | 29°28 | 20° 8 | n.a. |   |   |   |   |   |   |   |   |
| M19  | 8 35 0  | 11°18'55 | 10♂28 | 27°24  | 9°16  | 19°13 | 6°47 | 21°55  | 7°47  | 15°46  | 26° 7 | 27°33  | 29°25 | 20°14 | n.a. |   |   |   |   |   |   |   |   |
| T 20 | 8 38 56 | 12°17'36 | 22°26 | 26°57  | 10°30 | 19°53 | 6°56 | 21°51  | 7°45  | 15°45  | 26° 8 | 27°27  | 29°21 | 20°21 | n.a. |   |   |   |   |   |   |   |   |
| W21  | 8 42 53 | 13°16'14 | 4♂29  | 26°35  | 11°44 | 20°32 | 7° 6 | 21°47  | 7°43  | 15°44  | 26° 9 | 27°22  | 29°18 | 20°28 | n.a. |   |   |   |   |   |   |   |   |
| T 22 | 8 46 49 | 14°14'51 | 16°39 | 26°19  | 12°59 | 21°12 | 7°15 | 21°43  | 7°41  | 15°43  | 26°10 | 27°19  | 29°15 | 20°35 | n.a. |   |   |   |   |   |   |   |   |
| F 23 | 8 50 46 | 15°13'26 | 28°59 | 26° 7  | 14°13 | 21°52 | 7°24 | 21°39  | 7°39  | 15°41  | 26°11 | 27°D19 | 29°12 | 20°41 | n.a. |   |   |   |   |   |   |   |   |
| S 24 | 8 54 42 | 16°11'59 | 11♂31 | 26° 2  | 15°27 | 22°31 | 7°33 | 21°35  | 7°37  | 15°40  | 26°12 | 27°20  | 29° 9 | 20°48 | n.a. |   |   |   |   |   |   |   |   |
| S 25 | 8 58 39 | 17°10'30 | 24°19 | 26°D 1 | 16°41 | 23°11 | 7°42 | 21°31  | 7°35  | 15°39  | 26°13 | 27°21  | 29° 6 | 20°55 | n.a. |   |   |   |   |   |   |   |   |
| M26  | 9 2 35  | 18° 8'59 | 7♂24  | 26° 6  | 17°55 | 23°50 | 7°51 | 21°27  | 7°34  | 15°37  | 26°14 | 27°22  | 29° 2 | 21° 1 | n.a. |   |   |   |   |   |   |   |   |
| T 27 | 9 6 32  | 19° 7'26 | 20°51 | 26°16  | 19° 9 | 24°30 | 8° 0 | 21°23  | 7°32  | 15°36  | 26°15 | 27°R23 | 28°59 | 21° 8 | n.a. |   |   |   |   |   |   |   |   |
| W28  | 9 10 29 | 20♂5'52  | 4♂41  | 26♂31  | 20♂23 | 25♂9  | 8♂ 8 | 21♂19  | 7♂30  | 15♂34  | 26♂16 | 27♂22  | 28♂56 | 21♂15 | n.a. |   |   |   |   |   |   |   |   |

Delta T = 15h51m59s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2322 BCE

MARCH 2322 BCE (-2321) JC

00:00 UT

| Day  | Sid.t    | ☉                     | ☽                   | ♀                  | ♁                   | ♂                   | ♃                   | ♄                   | ♅                  | ♆                   | ♇                   | ♈                   | ♉                  | ♊                   | ♋    | ♌ | ♍ |
|------|----------|-----------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|---------------------|------|---|---|
| T 1  | 9 14 25  | 21 <sup>♈</sup> 4'16  | 18 <sup>♌</sup> 54  | 26 <sup>♈</sup> 51 | 21 <sup>♈</sup> 37  | 25 <sup>♈</sup> 48  | 8 <sup>♈</sup> 17   | 21 <sup>♈</sup> R15 | 7 <sup>♈</sup> R28 | 15 <sup>♈</sup> R32 | 26 <sup>♈</sup> X18 | 27 <sup>♈</sup> R19 | 28 <sup>♈</sup> 53 | 21 <sup>♈</sup> 22  | n.a. |   |   |
| F 2  | 9 18 22  | 22° 2'38              | 3 <sup>♈</sup> 30   | 27°15              | 22°51               | 26°28               | 8°25                | 21 <sup>♈</sup> E12 | 7 <sup>♈</sup> E27 | 15 <sup>♈</sup> 32  | 26°19               | 27 <sup>♈</sup> 16  | 28°50              | 21°28               | n.a. |   |   |
| S 3  | 9 22 18  | 23° 0'59              | 18°23               | 27°44              | 24° 5               | 27° 7               | 8°33                | 21° 8               | 7°25               | 15°30               | 26°20               | 27°11               | 28°47              | 21°35               | n.a. |   |   |
| S 4  | 9 26 15  | 23°59'17              | 3 <sup>♈</sup> 26   | 28°16              | 25°19               | 27°46               | 8°41                | 21° 5               | 7°24               | 15°29               | 26°21               | 27° 6               | 28°43              | 21°42               | n.a. |   |   |
| M 5  | 9 30 11  | 24°57'34              | 18°30               | 28°53              | 26°33               | 28°25               | 8°49                | 21° 1               | 7°22               | 15°27               | 26°22               | 27° 2               | 28°40              | 21°48               | n.a. |   |   |
| T 6  | 9 34 8   | 25°55'49              | 3 <sup>♈</sup> X26  | 29°34              | 27°47               | 29° 4               | 8°57                | 20°58               | 7°21               | 15°26               | 26°23               | 26°59               | 28°37              | 21°55               | n.a. |   |   |
| W 7  | 9 38 4   | 26°54'02              | 18° 5               | 0 <sup>♈</sup> X18 | 29° 1               | 29°43               | 9° 4                | 20°54               | 7°19               | 15°24               | 26°25               | 26°57               | 28°34              | 22° 2               | n.a. |   |   |
| T 8  | 9 42 1   | 27°52'12              | 2 <sup>♈</sup> Y21  | 1° 6               | 0 <sup>♈</sup> X15  | 0 <sup>♈</sup> X22  | 9°12                | 20°51               | 7°18               | 15°23               | 26°26               | 26°D57              | 28°31              | 22° 9               | n.a. |   |   |
| F 9  | 9 45 58  | 28°50'21              | 16°12               | 1°57               | 1°29                | 1° 1                | 9°19                | 20°48               | 7°16               | 15°21               | 26°27               | 26°58               | 28°27              | 22°15               | n.a. |   |   |
| S 10 | 9 49 54  | 29°48'27              | 29°36               | 2°52               | 2°43                | 1°40                | 9°26                | 20°45               | 7°15               | 15°19               | 26°28               | 26°59               | 28°24              | 22°22               | n.a. |   |   |
| S 11 | 9 53 51  | 0 <sup>♈</sup> X46'31 | 12 <sup>♈</sup> X35 | 3°49               | 3°56                | 2°19                | 9°33                | 20°42               | 7°14               | 15°18               | 26°29               | 27° 1               | 28°21              | 22°29               | n.a. |   |   |
| M12  | 9 57 47  | 1°44'34               | 25°12               | 4°50               | 5°10                | 2°57                | 9°40                | 20°39               | 7°13               | 15°16               | 26°31               | 27° 2               | 28°18              | 22°35               | n.a. |   |   |
| T 13 | 10 1 44  | 2°42'34               | 7 <sup>♈</sup> II31 | 5°53               | 6°24                | 3°36                | 9°47                | 20°36               | 7°12               | 15°15               | 26°32               | 27°R 2              | 28°15              | 22°42               | n.a. |   |   |
| W14  | 10 5 40  | 3°40'32               | 19°37               | 6°59               | 7°38                | 4°14                | 9°53                | 20°33               | 7°11               | 15°13               | 26°33               | 27° 1               | 28°12              | 22°49               | n.a. |   |   |
| T 15 | 10 9 37  | 4°38'28               | 1 <sup>♈</sup> E34  | 8° 8               | 8°52                | 4°53                | 10° 0               | 20°31               | 7° 9               | 15°12               | 26°35               | 26°59               | 28° 8              | 22°56               | n.a. |   |   |
| F 16 | 10 13 33 | 5°36'22               | 13°26               | 9°19               | 10° 6               | 5°31                | 10° 6               | 20°28               | 7° 8               | 15°10               | 26°36               | 26°56               | 28° 5              | 23° 2               | n.a. |   |   |
| S 17 | 10 17 30 | 6°34'14               | 25°18               | 10°32              | 11°20               | 6°10                | 10°12               | 20°25               | 7° 8               | 15° 8               | 26°37               | 26°53               | 28° 2              | 23° 9               | n.a. |   |   |
| S 18 | 10 21 27 | 7°32'04               | 7 <sup>♈</sup> Ω11  | 11°48              | 12°33               | 6°48                | 10°18               | 20°23               | 7° 7               | 15° 7               | 26°38               | 26°50               | 27°59              | 23°16               | n.a. |   |   |
| M19  | 10 25 23 | 8°29'52               | 19°10               | 13° 7              | 13°47               | 7°26                | 10°24               | 20°21               | 7° 6               | 15° 5               | 26°40               | 26°47               | 27°56              | 23°22               | n.a. |   |   |
| T 20 | 10 29 20 | 9°27'39               | 1 <sup>♈</sup> 16   | 14°27              | 15° 1               | 8° 4                | 10°29               | 20°18               | 7° 5               | 15° 4               | 26°41               | 26°45               | 27°53              | 23°29               | n.a. |   |   |
| W21  | 10 33 16 | 10°25'23              | 13°30               | 15°50              | 16°15               | 8°42                | 10°35               | 20°16               | 7° 4               | 15° 2               | 26°42               | 26°43               | 27°49              | 23°36               | n.a. |   |   |
| T 22 | 10 37 13 | 11°23'07              | 25°55               | 17°16              | 17°29               | 9°20                | 10°40               | 20°14               | 7° 4               | 15° 0               | 26°44               | 26°D43              | 27°46              | 23°42               | n.a. |   |   |
| F 23 | 10 41 9  | 12°20'48              | 8 <sup>♈</sup> Ω31  | 18°43              | 18°42               | 9°58                | 10°45               | 20°12               | 7° 3               | 14°59               | 26°45               | 26°43               | 27°43              | 23°49               | n.a. |   |   |
| S 24 | 10 45 6  | 13°18'28              | 21°20               | 20°12              | 19°56               | 10°35               | 10°50               | 20°10               | 7° 2               | 14°57               | 26°46               | 26°44               | 27°40              | 23°56               | n.a. |   |   |
| S 25 | 10 49 2  | 14°16'07              | 4 <sup>♈</sup> 11   | 21°44              | 21°10               | 11°13               | 10°55               | 20° 8               | 7° 2               | 14°56               | 26°48               | 26°45               | 27°37              | 24° 3               | n.a. |   |   |
| M26  | 10 52 59 | 15°13'44              | 17°41               | 23°18              | 22°23               | 11°51               | 11° 0               | 20° 7               | 7° 1               | 14°54               | 26°49               | 26°46               | 27°33              | 24° 9               | n.a. |   |   |
| T 27 | 10 56 55 | 16°11'21              | 1 <sup>♈</sup> X14  | 24°53              | 23°37               | 12°28               | 11° 4               | 20° 5               | 7° 1               | 14°52               | 26°50               | 26°47               | 27°30              | 24°16               | n.a. |   |   |
| W28  | 11 0 52  | 17° 8'56              | 15° 4               | 26°31              | 24°51               | 13° 5               | 11° 9               | 20° 3               | 7° 0               | 14°51               | 26°52               | 26°R47              | 27°27              | 24°23               | n.a. |   |   |
| T 29 | 11 4 49  | 18° 6'30              | 29°10               | 28°11              | 26° 5               | 13°42               | 11°13               | 20° 2               | 7° 0               | 14°49               | 26°53               | 26°47               | 27°24              | 24°29               | n.a. |   |   |
| F 30 | 11 8 45  | 19° 4'03              | 13 <sup>♈</sup> Ω30 | 29°53              | 27°18               | 14°20               | 11°17               | 20° 1               | 7° 0               | 14°47               | 26°54               | 26°46               | 27°21              | 24°36               | n.a. |   |   |
| S 31 | 11 12 42 | 20 <sup>♈</sup> X1'35 | 28 <sup>♈</sup> Ω 2 | 1 <sup>♈</sup> X37 | 28 <sup>♈</sup> X32 | 14 <sup>♈</sup> X56 | 11 <sup>♈</sup> X21 | 19 <sup>♈</sup> E59 | 7 <sup>♈</sup> E 0 | 14 <sup>♈</sup> 46  | 26 <sup>♈</sup> X56 | 26 <sup>♈</sup> 46  | 27 <sup>♈</sup> 18 | 24 <sup>♈</sup> E43 | n.a. |   |   |

Delta T = 15h51m56s Julian Calendar 1 March 2322 BCE == Greg. Calendar 9 Feb. 2322 BCE  
 The year -2321 astronomical counting style corresponds to year 2322 B.C.E historical counting style.

APRIL 2322 BCE (-2321) JC

00:00 UT

| Day  | Sid.t    | ☉                      | ☽                   | ♀                  | ♁                   | ♂                   | ♃                   | ♄                   | ♅                  | ♆                   | ♇                   | ♈                   | ♉                  | ♊                   | ♋    | ♌ | ♍ |
|------|----------|------------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|---------------------|------|---|---|
| S 1  | 11 16 38 | 20 <sup>♈</sup> X59'05 | 12 <sup>♈</sup> Ω41 | 3 <sup>♈</sup> X24 | 29 <sup>♈</sup> X46 | 15 <sup>♈</sup> X33 | 11 <sup>♈</sup> X24 | 19 <sup>♈</sup> R58 | 6 <sup>♈</sup> R59 | 14 <sup>♈</sup> R44 | 26 <sup>♈</sup> X57 | 26 <sup>♈</sup> R45 | 27 <sup>♈</sup> 14 | 24 <sup>♈</sup> E50 | n.a. |   |   |
| M 2  | 11 20 35 | 21°56'35               | 27°21               | 5°12               | 0 <sup>♈</sup> Y59  | 16°10               | 11°28               | 19 <sup>♈</sup> E57 | 6 <sup>♈</sup> E59 | 14 <sup>♈</sup> 43  | 26°58               | 26 <sup>♈</sup> 45  | 27°11              | 24°56               | n.a. |   |   |
| T 3  | 11 24 31 | 22°54'03               | 11 <sup>♈</sup> X56 | 7° 2               | 2°13                | 16°47               | 11°31               | 19°56               | 6°59               | 14°41               | 27° 0               | 26°44               | 27° 8              | 25° 3               | n.a. |   |   |
| W 4  | 11 28 28 | 23°51'30               | 26°19               | 8°55               | 3°26                | 17°23               | 11°34               | 19°55               | 6°D59              | 14°39               | 27° 1               | 26°D44              | 27° 5              | 25°10               | n.a. |   |   |
| T 5  | 11 32 24 | 24°48'56               | 10 <sup>♈</sup> Y26 | 10°49              | 4°40                | 17°59               | 11°37               | 19°55               | 6°59               | 14°38               | 27° 2               | 26°44               | 27° 2              | 25°16               | n.a. |   |   |
| F 6  | 11 36 21 | 25°46'21               | 24°12               | 12°45              | 5°54                | 18°35               | 11°39               | 19°54               | 6°59               | 14°36               | 27° 4               | 26°44               | 26°58              | 25°23               | n.a. |   |   |
| S 7  | 11 40 18 | 26°43'44               | 7 <sup>♈</sup> Ω36  | 14°44              | 7° 7                | 19°11               | 11°42               | 19°53               | 6°59               | 14°35               | 27° 5               | 26°R44              | 26°55              | 25°30               | n.a. |   |   |
| S 8  | 11 44 14 | 27°41'06               | 20°38               | 16°44              | 8°21                | 19°47               | 11°44               | 19°53               | 7° 0               | 14°33               | 27° 6               | 26°44               | 26°52              | 25°37               | n.a. |   |   |
| M 9  | 11 48 11 | 28°38'26               | 3 <sup>♈</sup> II18 | 18°46              | 9°34                | 20°23               | 11°46               | 19°53               | 7° 0               | 14°31               | 27° 8               | 26°44               | 26°49              | 25°43               | n.a. |   |   |
| T 10 | 11 52 7  | 29°35'46               | 15°40               | 20°50              | 10°48               | 20°58               | 11°48               | 19°52               | 7° 0               | 14°30               | 27° 9               | 26°44               | 26°46              | 25°50               | n.a. |   |   |
| W11  | 11 56 4  | 0 <sup>♈</sup> Y33'04  | 27°48               | 22°55              | 12° 2               | 21°34               | 11°50               | 19°52               | 7° 1               | 14°28               | 27°11               | 26°D44              | 26°43              | 25°57               | n.a. |   |   |
| T 12 | 12 0 0   | 1°30'20                | 9 <sup>♈</sup> Ω47  | 25° 2              | 13°15               | 22° 9               | 11°52               | 19°D52              | 7° 1               | 14°27               | 27°12               | 26°44               | 26°39              | 26° 3               | n.a. |   |   |
| F 13 | 12 3 57  | 2°27'36                | 21°40               | 27°10              | 14°29               | 22°44               | 11°53               | 19°52               | 7° 1               | 14°25               | 27°13               | 26°44               | 26°36              | 26°10               | n.a. |   |   |
| S 14 | 12 7 53  | 3°24'50                | 3 <sup>♈</sup> Ω32  | 29°20              | 15°42               | 23°19               | 11°54               | 19°52               | 7° 2               | 14°24               | 27°15               | 26°45               | 26°33              | 26°17               | n.a. |   |   |
| S 15 | 12 11 50 | 4°22'03                | 15°28               | 1 <sup>♈</sup> Y30 | 16°56               | 23°54               | 11°56               | 19°53               | 7° 3               | 14°22               | 27°16               | 26°46               | 26°30              | 26°23               | n.a. |   |   |
| M16  | 12 15 47 | 5°19'15                | 27°31               | 3°41               | 18° 9               | 24°28               | 11°56               | 19°53               | 7° 3               | 14°21               | 27°17               | 26°46               | 26°27              | 26°30               | n.a. |   |   |
| T 17 | 12 19 43 | 6°16'26                | 9 <sup>♈</sup> 14   | 5°52               | 19°22               | 25° 2               | 11°57               | 19°53               | 7° 4               | 14°19               | 27°19               | 26°47               | 26°24              | 26°37               | n.a. |   |   |
| W18  | 12 23 40 | 7°13'36                | 22°10               | 8° 4               | 20°36               | 25°37               | 11°57               | 19°54               | 7° 5               | 14°18               | 27°20               | 26°R47              | 26°20              | 26°44               | n.a. |   |   |
| T 19 | 12 27 36 | 8°10'44                | 4 <sup>♈</sup> Ω51  | 10°15              | 21°49               | 26°11               | 11°58               | 19°55               | 7° 5               | 14°16               | 27°21               | 26°47               | 26°17              | 26°50               | n.a. |   |   |
| F 20 | 12 31 33 | 9° 7'53                | 17°47               | 12°26              | 23° 3               | 26°44               | 11°R58              | 19°55               | 7° 6               | 14°15               | 27°23               | 26°47               | 26°14              | 26°57               | n.a. |   |   |
| S 21 | 12 35 29 | 10° 5'00               | 0 <sup>♈</sup> 11   | 14°37              | 24°16               | 27°18               | 11°58               | 19°56               | 7° 7               | 14°13               | 27°24               | 26°46               | 26°11              | 27° 4               | n.a. |   |   |
| S 22 | 12 39 26 | 11° 2'07               | 14°25               | 16°46              | 25°30               | 27°51               | 11°57               | 19°57               | 7° 8               | 14°12               | 27°25               | 26°44               | 26° 8              | 27°10               | n.a. |   |   |
| M23  | 12 43 22 | 11°59'14               | 28° 5               | 18°55              | 26°43               | 28°24               | 11°57               | 19°58               | 7° 9               | 14°11               | 27°27               | 26°42               | 26° 4              | 27°17               | n.a. |   |   |
| T 24 | 12 47 19 | 12°56'20               | 11 <sup>♈</sup> X56 | 21° 2              | 27°56               | 28°57               | 11°56               | 19°59               | 7°10               | 14° 9               | 27°28               | 26°40               | 26° 1              | 27°24               | n.a. |   |   |
| W25  | 12 51 15 | 13°53'25               | 25°56               | 23° 7              | 29°10               | 29°30               | 11°55               | 20° 1               | 7°11               | 14° 8               | 27°29               | 26°39               | 25°58              | 27°30               | n.a. |   |   |
| T 26 | 12 55 12 | 14°50'31               | 10 <sup>♈</sup> Ω 4 | 25°11              | 0 <sup>♈</sup> Ω23  | 0 <sup>♈</sup> Ω 2  | 11°54               | 20° 2               | 7°12               | 14° 6               | 27°31               | 26°D38              | 25°55              | 27°37               | n.a. |   |   |
| F 27 | 12 59 9  | 15°47'36               | 24°17               | 27°13              | 1°36                | 0°34                | 11°53               | 20° 3               | 7°14               | 14° 5               | 27°32               | 26°38               | 25°52              | 27°44               | n.a. |   |   |
| S 28 | 13 3 5   | 16°44'41               | 8 <sup>♈</sup> Ω33  | 29°13              | 2°50                | 1° 6                | 11°52               | 20° 5               | 7°15               | 14° 4               | 27°33               | 26°39               | 25°49              | 27°51               | n.a. |   |   |
| S 29 | 13 7 2   | 17°41'46               | 22°49               | 1 <sup>♈</sup> Ω11 | 4° 3                | 1°38                | 11°50               | 20° 6               | 7°16               | 14° 3               | 27°35               | 26°40               | 25°45              | 27°57               | n.a. |   |   |
| M30  | 13 10 58 | 18°Y38'51              | 7 <sup>♈</sup> X 3  | 3 <sup>♈</sup> Ω 7 | 5 <sup>♈</sup> Ω16  | 2 <sup>♈</sup> Ω 9  | 11°X48              | 20 <sup>♈</sup> E 8 | 7 <sup>♈</sup> E17 | 14 <sup>♈</sup> 1   | 27 <sup>♈</sup> X36 | 26 <sup>♈</sup> 41  | 25 <sup>♈</sup> 42 | 28 <sup>♈</sup> E 4 | n.a. |   |   |

Delta T = 15h51m54s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2322 BCE

MAY 2322 BCE (-2321) JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃      | ♅      | ♁     | ♄      | ♁     | ♁      | ♁     | ♁     | ♁    |
|------|----------|----------|-------|-------|-------|-------|--------|--------|-------|--------|-------|--------|-------|-------|------|
| T 1  | 13 14 55 | 19°35'55 | 21°11 | 5♁ 1  | 6♁30  | 2♁40  | 11°R46 | 20°510 | 7°519 | 14°R 0 | 27°37 | 26°R42 | 25°39 | 28°11 | n.a. |
| W 2  | 13 18 51 | 20°32'59 | 5°10  | 6°52  | 7°43  | 3°11  | 11°44  | 20°12  | 7°20  | 13°59  | 27°38 | 26°42  | 25°36 | 28°17 | n.a. |
| T 3  | 13 22 48 | 21°30'03 | 18°56 | 8°41  | 8°56  | 3°42  | 11°42  | 20°14  | 7°22  | 13°58  | 27°40 | 26°41  | 25°33 | 28°24 | n.a. |
| F 4  | 13 26 44 | 22°27'07 | 2♁28  | 10°28 | 10°10 | 4°12  | 11°39  | 20°16  | 7°23  | 13°56  | 27°41 | 26°38  | 25°29 | 28°31 | n.a. |
| S 5  | 13 30 41 | 23°24'11 | 15°42 | 12°13 | 11°23 | 4°42  | 11°37  | 20°18  | 7°25  | 13°55  | 27°42 | 26°35  | 25°26 | 28°38 | n.a. |
| S 6  | 13 34 38 | 24°21'14 | 28°38 | 13°55 | 12°36 | 5°11  | 11°34  | 20°21  | 7°27  | 13°54  | 27°43 | 26°30  | 25°23 | 28°44 | n.a. |
| M 7  | 13 38 34 | 25°18'17 | 11°16 | 15°35 | 13°49 | 5°41  | 11°31  | 20°23  | 7°28  | 13°53  | 27°45 | 26°26  | 25°20 | 28°51 | n.a. |
| T 8  | 13 42 31 | 26°15'19 | 23°38 | 17°13 | 15° 3 | 6°10  | 11°27  | 20°25  | 7°30  | 13°52  | 27°46 | 26°22  | 25°17 | 28°58 | n.a. |
| W 9  | 13 46 27 | 27°12'21 | 5♁46  | 18°49 | 16°16 | 6°38  | 11°24  | 20°28  | 7°32  | 13°51  | 27°47 | 26°19  | 25°14 | 29° 4 | n.a. |
| T 10 | 13 50 24 | 28° 9'23 | 17°45 | 20°22 | 17°29 | 7° 6  | 11°20  | 20°31  | 7°34  | 13°50  | 27°48 | 26°17  | 25°10 | 29°11 | n.a. |
| F 11 | 13 54 20 | 29° 6'25 | 29°37 | 21°52 | 18°42 | 7°34  | 11°16  | 20°33  | 7°35  | 13°49  | 27°50 | 26°D16 | 25° 7 | 29°18 | n.a. |
| S 12 | 13 58 17 | 0♁ 3'26  | 11°30 | 23°21 | 19°55 | 8° 2  | 11°12  | 20°36  | 7°37  | 13°48  | 27°51 | 26°17  | 25° 4 | 29°24 | n.a. |
| S 13 | 14 2 13  | 1° 0'27  | 23°26 | 24°47 | 21° 9 | 8°29  | 11° 8  | 20°39  | 7°39  | 13°47  | 27°52 | 26°18  | 25° 1 | 29°31 | n.a. |
| M 14 | 14 6 10  | 1°57'28  | 5♁31  | 26°10 | 22°22 | 8°56  | 11° 4  | 20°42  | 7°41  | 13°46  | 27°53 | 26°20  | 24°58 | 29°38 | n.a. |
| T 15 | 14 10 7  | 2°54'28  | 17°49 | 27°31 | 23°35 | 9°22  | 10°59  | 20°45  | 7°43  | 13°45  | 27°54 | 26°21  | 24°55 | 29°45 | n.a. |
| W 16 | 14 14 3  | 3°51'29  | 0♁25  | 28°49 | 24°48 | 9°48  | 10°55  | 20°49  | 7°46  | 13°44  | 27°55 | 26°R22 | 24°51 | 29°51 | n.a. |
| T 17 | 14 18 0  | 4°48'29  | 13°19 | 0♁ 5  | 26° 1 | 10°13 | 10°50  | 20°52  | 7°48  | 13°43  | 27°56 | 26°20  | 24°48 | 29°58 | n.a. |
| F 18 | 14 21 56 | 5°45'30  | 26°34 | 1°19  | 27°14 | 10°39 | 10°45  | 20°55  | 7°50  | 13°42  | 27°58 | 26°17  | 24°45 | 0♁ 5  | n.a. |
| S 19 | 14 25 53 | 6°42'31  | 10♁ 9 | 2°29  | 28°27 | 11° 3 | 10°40  | 20°59  | 7°52  | 13°41  | 27°59 | 26°13  | 24°42 | 0°11  | n.a. |
| S 20 | 14 29 49 | 7°39'32  | 24° 2 | 3°37  | 29°40 | 11°28 | 10°35  | 21° 2  | 7°54  | 13°40  | 28° 0 | 26° 7  | 24°39 | 0°18  | n.a. |
| M 21 | 14 33 46 | 8°36'34  | 8♁ 9  | 4°42  | 0♁53  | 11°51 | 10°29  | 21° 6  | 7°57  | 13°40  | 28° 1 | 26° 0  | 24°35 | 0°25  | n.a. |
| T 22 | 14 37 42 | 9°33'36  | 22°25 | 5°44  | 2° 6  | 12°15 | 10°24  | 21° 9  | 7°59  | 13°39  | 28° 2 | 25°54  | 24°32 | 0°31  | n.a. |
| W 23 | 14 41 39 | 10°30'38 | 6♁38  | 6°43  | 3°19  | 12°38 | 10°18  | 21°13  | 8° 1  | 13°38  | 28° 3 | 25°49  | 24°29 | 0°38  | n.a. |
| T 24 | 14 45 36 | 11°27'42 | 21° 5 | 7°39  | 4°32  | 13° 0 | 10°12  | 21°17  | 8° 4  | 13°38  | 28° 4 | 25°45  | 24°26 | 0°45  | n.a. |
| F 25 | 14 49 32 | 12°24'46 | 5♁21  | 8°32  | 5°45  | 13°22 | 10° 6  | 21°21  | 8° 6  | 13°37  | 28° 5 | 25°43  | 24°23 | 0°51  | n.a. |
| S 26 | 14 53 29 | 13°21'51 | 19°31 | 9°21  | 6°58  | 13°43 | 10° 0  | 21°25  | 8° 9  | 13°36  | 28° 6 | 25°D43 | 24°20 | 0°58  | n.a. |
| S 27 | 14 57 25 | 14°18'56 | 3♁32  | 10° 7 | 8°11  | 14° 4 | 9°54   | 21°29  | 8°11  | 13°36  | 28° 7 | 25°44  | 24°16 | 1° 5  | n.a. |
| M 28 | 15 1 22  | 15°16'03 | 17°25 | 10°49 | 9°24  | 14°24 | 9°48   | 21°33  | 8°14  | 13°35  | 28° 8 | 25°45  | 24°13 | 1°12  | n.a. |
| T 29 | 15 5 18  | 16°13'10 | 1°19  | 11°28 | 10°37 | 14°44 | 9°41   | 21°38  | 8°17  | 13°35  | 28° 9 | 25°R45 | 24°10 | 1°18  | n.a. |
| W 30 | 15 9 15  | 17°10'18 | 14°42 | 12° 3 | 11°50 | 15° 3 | 9°35   | 21°42  | 8°19  | 13°34  | 28°10 | 25°44  | 24° 7 | 1°25  | n.a. |
| T 31 | 15 13 11 | 18° 7'27 | 28°19 | 12°33 | 13°11 | 15°22 | 9°28   | 21°46  | 8°22  | 13°34  | 28°11 | 25°40  | 24° 4 | 1°32  | n.a. |

Delta T = 15h51m52s Julian Calendar 1 May 2322 BCE == Greg. Calendar 11 Apr. 2322 BCE  
 The year -2321 astronomical counting style corresponds to year 2322 B.C.E historical counting style.

JUNE 2322 BCE (-2321) JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♁      | ♂      | ♃     | ♅      | ♁    | ♄      | ♁     | ♁      | ♁     | ♁    | ♁    |
|------|----------|----------|-------|--------|--------|--------|-------|--------|------|--------|-------|--------|-------|------|------|
| F 1  | 15 17 8  | 19° 4'37 | 11°16 | 13°11  | 14°16  | 15°40  | 9°R21 | 21°551 | 8°25 | 13°R33 | 28°12 | 25°R34 | 24°0  | 1°38 | n.a. |
| S 2  | 15 21 4  | 20° 1'47 | 24°13 | 13°22  | 15°29  | 15°57  | 9°14  | 21°55  | 8°28 | 13°33  | 28°13 | 25°26  | 23°57 | 1°45 | n.a. |
| S 3  | 15 25 1  | 20°58'59 | 6♁57  | 13°39  | 16°42  | 16°14  | 9° 7  | 22° 0  | 8°30 | 13°32  | 28°14 | 25°16  | 23°54 | 1°52 | n.a. |
| M 4  | 15 28 58 | 21°56'11 | 19°27 | 13°52  | 17°55  | 16°30  | 9° 0  | 22° 5  | 8°33 | 13°32  | 28°15 | 25° 6  | 23°51 | 1°58 | n.a. |
| T 5  | 15 32 54 | 22°53'23 | 1♁43  | 14° 0  | 19° 8  | 16°45  | 8°53  | 22° 9  | 8°36 | 13°32  | 28°15 | 24°56  | 23°48 | 2° 5 | n.a. |
| W 6  | 15 36 51 | 23°50'37 | 13°48 | 14°R 4 | 20°20  | 17° 0  | 8°46  | 22°14  | 8°39 | 13°31  | 28°16 | 24°48  | 23°45 | 2°12 | n.a. |
| T 7  | 15 40 47 | 24°47'51 | 25°44 | 14° 2  | 21°33  | 17°14  | 8°39  | 22°19  | 8°42 | 13°31  | 28°17 | 24°42  | 23°41 | 2°19 | n.a. |
| F 8  | 15 44 44 | 25°45'06 | 7♁35  | 13°55  | 22°46  | 17°28  | 8°31  | 22°24  | 8°45 | 13°31  | 28°18 | 24°38  | 23°38 | 2°25 | n.a. |
| S 9  | 15 48 40 | 26°42'21 | 19°26 | 13°43  | 23°59  | 17°41  | 8°24  | 22°29  | 8°48 | 13°31  | 28°19 | 24°36  | 23°35 | 2°32 | n.a. |
| S 10 | 15 52 37 | 27°39'37 | 1♁21  | 13°26  | 25°11  | 17°53  | 8°16  | 22°34  | 8°51 | 13°30  | 28°20 | 24°D36 | 23°32 | 2°39 | n.a. |
| M 11 | 15 56 34 | 28°36'54 | 13°25 | 13° 5  | 26°24  | 18° 4  | 8° 9  | 22°39  | 8°54 | 13°30  | 28°20 | 24°37  | 23°29 | 2°45 | n.a. |
| T 12 | 16 0 30  | 29°34'11 | 25°44 | 12°38  | 27°37  | 18°14  | 8° 1  | 22°45  | 8°57 | 13°30  | 28°21 | 24°R37 | 23°26 | 2°52 | n.a. |
| W 13 | 16 4 27  | 0♁31'30  | 8♁23  | 12° 8  | 28°50  | 18°24  | 7°54  | 22°50  | 9° 0 | 13°30  | 28°22 | 24°36  | 23°22 | 2°59 | n.a. |
| T 14 | 16 8 23  | 1°28'49  | 21°24 | 11°33  | 0♁ 2   | 18°33  | 7°46  | 22°55  | 9° 4 | 13°30  | 28°22 | 24°33  | 23°19 | 3° 5 | n.a. |
| F 15 | 16 12 20 | 2°26'09  | 4♁51  | 10°55  | 1°15   | 18°42  | 7°38  | 23° 1  | 9° 7 | 13°D30 | 28°23 | 24°28  | 23°16 | 3°12 | n.a. |
| S 16 | 16 16 16 | 3°23'31  | 18°44 | 10°13  | 2°27   | 18°49  | 7°30  | 23° 6  | 9°10 | 13°30  | 28°24 | 24°20  | 23°13 | 3°19 | n.a. |
| S 17 | 16 20 13 | 4°20'53  | 2♁59  | 9°29   | 3°40   | 18°56  | 7°23  | 23°12  | 9°13 | 13°30  | 28°25 | 24°11  | 23°10 | 3°25 | n.a. |
| M 18 | 16 24 9  | 5°18'17  | 17°31 | 8°44   | 4°53   | 19° 2  | 7°15  | 23°17  | 9°16 | 13°30  | 28°25 | 24° 1  | 23° 6 | 3°32 | n.a. |
| T 19 | 16 28 6  | 6°15'42  | 2♁14  | 7°57   | 6° 5   | 19° 8  | 7° 7  | 23°23  | 9°20 | 13°30  | 28°26 | 23°50  | 23° 3 | 3°39 | n.a. |
| W 20 | 16 32 3  | 7°13'08  | 16°59 | 7°11   | 7°18   | 19°12  | 6°59  | 23°29  | 9°23 | 13°30  | 28°26 | 23°42  | 23° 0 | 3°46 | n.a. |
| T 21 | 16 35 59 | 8°10'36  | 1♁38  | 6°25   | 8°30   | 19°16  | 6°51  | 23°34  | 9°26 | 13°31  | 28°27 | 23°35  | 22°57 | 3°52 | n.a. |
| F 22 | 16 39 56 | 9° 8'06  | 16° 7 | 5°40   | 9°42   | 19°18  | 6°44  | 23°40  | 9°30 | 13°31  | 28°28 | 23°31  | 22°54 | 3°59 | n.a. |
| S 23 | 16 43 52 | 10° 5'37 | 0♁22  | 4°59   | 10°55  | 19°20  | 6°36  | 23°46  | 9°33 | 13°31  | 28°28 | 23°30  | 22°51 | 4° 6 | n.a. |
| S 24 | 16 47 49 | 11° 3'10 | 14°20 | 4°20   | 12° 7  | 19°21  | 6°28  | 23°52  | 9°37 | 13°31  | 28°29 | 23°D30 | 22°47 | 4°12 | n.a. |
| M 25 | 16 51 45 | 12° 0'44 | 28° 2 | 3°46   | 13°20  | 19°R22 | 6°20  | 23°58  | 9°40 | 13°32  | 28°29 | 23°R30 | 22°44 | 4°19 | n.a. |
| T 26 | 16 55 42 | 12°58'20 | 11°16 | 3°17   | 14°32  | 19°21  | 6°13  | 24° 4  | 9°44 | 13°32  | 28°30 | 23°29  | 22°41 | 4°26 | n.a. |
| W 27 | 16 59 38 | 13°55'58 | 24°43 | 2°53   | 15°44  | 19°20  | 6° 5  | 24°10  | 9°47 | 13°32  | 28°30 | 23°26  | 22°38 | 4°32 | n.a. |
| T 28 | 17 3 35  | 14°53'38 | 7♁45  | 2°35   | 16°57  | 19°17  | 5°57  | 24°16  | 9°51 | 13°33  | 28°30 | 23°20  | 22°35 | 4°39 | n.a. |
| F 29 | 17 7 31  | 15°51'20 | 20°35 | 2°24   | 18° 9  | 19°14  | 5°50  | 24°22  | 9°54 | 13°33  | 28°31 | 23°11  | 22°32 | 4°46 | n.a. |
| S 30 | 17 11 28 | 16°49'03 | 3♁14  | 2°D19  | 19°521 | 19°10  | 5°42  | 24°29  | 9°58 | 13°34  | 28°31 | 23°0   | 22°28 | 4°52 | n.a. |

Delta T = 15h51m49s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [6.2.2007]

SWISS EPHEMERIS for the year 2322 BCE

JULY 2322 BCE (-2321) JC

00:00 UT

| Day  | Sid.t    | ☉         | ☽      | ♀     | ♂     | ♃      | ♄     | ♅     | ♆     | ♇     | ♁      | ♂      | ♆     | ♁    |      |
|------|----------|-----------|--------|-------|-------|--------|-------|-------|-------|-------|--------|--------|-------|------|------|
| S 1  | 17 15 25 | 17II46'48 | 15II43 | 2II22 | 20☾33 | 19°R 5 | 5°R35 | 24☾35 | 10☾ 1 | 13♁34 | 28)☾32 | 22°R47 | 22♁25 | 4♁59 | n.a. |
| M 2  | 17 19 21 | 18°44'34  | 28° 0  | 2°32  | 21°46 | 19☾ 0  | 5♁27  | 24°41 | 10° 5 | 13°35 | 28°32  | 22♁33  | 22°22 | 5° 6 | n.a. |
| T 3  | 17 23 18 | 19°42'22  | 10☾ 8  | 2°49  | 22°58 | 18°53  | 5°20  | 24°47 | 10° 8 | 13°35 | 28°32  | 22°20  | 22°19 | 5°13 | n.a. |
| W 4  | 17 27 14 | 20°40'12  | 22° 8  | 3°14  | 24°10 | 18°46  | 5°13  | 24°54 | 10°12 | 13°36 | 28°33  | 22° 9  | 22°16 | 5°19 | n.a. |
| T 5  | 17 31 11 | 21°38'03  | 4♁ 0   | 3°47  | 25°22 | 18°38  | 5° 5  | 25° 0 | 10°16 | 13°36 | 28°33  | 21°59  | 22°12 | 5°26 | n.a. |
| F 6  | 17 35 7  | 22°35'56  | 15°49  | 4°27  | 26°34 | 18°29  | 4°58  | 25° 7 | 10°19 | 13°37 | 28°33  | 21°53  | 22° 9 | 5°33 | n.a. |
| S 7  | 17 39 4  | 23°33'50  | 27°37  | 5°14  | 27°46 | 18°20  | 4°51  | 25°13 | 10°23 | 13°38 | 28°34  | 21°49  | 22° 6 | 5°39 | n.a. |
| S 8  | 17 43 1  | 24°31'45  | 9♁30   | 6° 8  | 28°58 | 18° 9  | 4°44  | 25°20 | 10°27 | 13°39 | 28°34  | 21°48  | 22° 3 | 5°46 | n.a. |
| M 9  | 17 46 57 | 25°29'43  | 21°32  | 7° 9  | 0♁10  | 17°58  | 4°38  | 25°26 | 10°30 | 13°39 | 28°34  | 21°47  | 22° 0 | 5°53 | n.a. |
| T 10 | 17 50 54 | 26°27'41  | 3♁48   | 8°17  | 1°22  | 17°47  | 4°31  | 25°33 | 10°34 | 13°40 | 28°34  | 21°47  | 21°57 | 5°59 | n.a. |
| W11  | 17 54 50 | 27°25'41  | 16°25  | 9°31  | 2°34  | 17°34  | 4°24  | 25°40 | 10°38 | 13°41 | 28°34  | 21°46  | 21°53 | 6° 6 | n.a. |
| T 12 | 17 58 47 | 28°23'43  | 29°26  | 10°50 | 3°46  | 17°21  | 4°18  | 25°46 | 10°41 | 13°42 | 28°35  | 21°43  | 21°50 | 6°13 | n.a. |
| F 13 | 18 2 43  | 29°21'47  | 12♁55  | 12°16 | 4°57  | 17° 8  | 4°11  | 25°53 | 10°45 | 13°43 | 28°35  | 21°38  | 21°47 | 6°19 | n.a. |
| S 14 | 18 6 40  | 0☾19'52   | 26°54  | 13°46 | 6° 9  | 16°54  | 4° 5  | 26° 0 | 10°49 | 13°44 | 28°35  | 21°30  | 21°44 | 6°26 | n.a. |
| S 15 | 18 10 36 | 1°17'59   | 11♁20  | 15°20 | 7°21  | 16°39  | 3°59  | 26° 7 | 10°53 | 13°44 | 28°35  | 21°20  | 21°41 | 6°33 | n.a. |
| M16  | 18 14 33 | 2°16'07   | 26° 8  | 16°59 | 8°33  | 16°24  | 3°53  | 26°14 | 10°56 | 13°45 | 28°35  | 21° 9  | 21°38 | 6°39 | n.a. |
| T 17 | 18 18 30 | 3°14'18   | 11☾11  | 18°41 | 9°44  | 16° 9  | 3°47  | 26°20 | 11° 0 | 13°46 | 28°35  | 20°59  | 21°34 | 6°46 | n.a. |
| W18  | 18 22 26 | 4°12'31   | 26°18  | 20°27 | 10°56 | 15°53  | 3°41  | 26°27 | 11° 4 | 13°47 | 28°35  | 20°49  | 21°31 | 6°53 | n.a. |
| T 19 | 18 26 23 | 5°10'46   | 11♁19  | 22°14 | 12° 7 | 15°37  | 3°36  | 26°34 | 11° 8 | 13°49 | 28°R35 | 20°42  | 21°28 | 7° 0 | n.a. |
| F 20 | 18 30 19 | 6° 9'02   | 26° 6  | 24° 5 | 13°19 | 15°20  | 3°30  | 26°41 | 11°11 | 13°50 | 28°35  | 20°38  | 21°25 | 7° 6 | n.a. |
| S 21 | 18 34 16 | 7° 7'21   | 10☾34  | 25°56 | 14°30 | 15° 3  | 3°25  | 26°48 | 11°15 | 13°51 | 28°35  | 20°36  | 21°22 | 7°13 | n.a. |
| S 22 | 18 38 12 | 8° 5'43   | 24°40  | 27°49 | 15°41 | 14°46  | 3°20  | 26°55 | 11°19 | 13°52 | 28°35  | 20°D36 | 21°18 | 7°20 | n.a. |
| M23  | 18 42 9  | 9° 4'06   | 8♁23   | 29°43 | 16°53 | 14°29  | 3°15  | 27° 2 | 11°23 | 13°53 | 28°35  | 20°R36 | 21°15 | 7°26 | n.a. |
| T 24 | 18 46 5  | 10° 2'32  | 21°45  | 1☾38  | 18° 4 | 14°12  | 3°10  | 27° 9 | 11°27 | 13°54 | 28°35  | 20°36  | 21°12 | 7°33 | n.a. |
| W25  | 18 50 2  | 11° 1'01  | 4☾48   | 3°33  | 19°15 | 13°54  | 3° 5  | 27°16 | 11°30 | 13°55 | 28°35  | 20°33  | 21° 9 | 7°40 | n.a. |
| T 26 | 18 53 59 | 11°59'31  | 17°36  | 5°28  | 20°26 | 13°36  | 3° 1  | 27°23 | 11°34 | 13°57 | 28°35  | 20°28  | 21° 6 | 7°46 | n.a. |
| F 27 | 18 57 55 | 12°58'05  | 0II11  | 7°23  | 21°38 | 13°19  | 2°56  | 27°30 | 11°38 | 13°58 | 28°34  | 20°21  | 21° 3 | 7°53 | n.a. |
| S 28 | 19 1 52  | 13°56'40  | 12°35  | 9°18  | 22°49 | 13° 1  | 2°52  | 27°37 | 11°42 | 13°59 | 28°34  | 20°11  | 20°59 | 8° 0 | n.a. |
| S 29 | 19 5 48  | 14°55'18  | 24°49  | 11°12 | 24° 0 | 12°44  | 2°48  | 27°45 | 11°45 | 14° 1 | 28°34  | 19°59  | 20°56 | 8° 6 | n.a. |
| M30  | 19 9 45  | 15°53'58  | 6☾55   | 13° 6 | 25°11 | 12°27  | 2°44  | 27°52 | 11°49 | 14° 2 | 28°34  | 19°47  | 20°53 | 8°13 | n.a. |
| T 31 | 19 13 41 | 16☾52'40  | 18☾54  | 14☾59 | 26♁22 | 12☾10  | 2♁41  | 27☾59 | 11☾53 | 14♁ 3 | 28)☾34 | 19♁35  | 20♁50 | 8♁20 | n.a. |

Delta T = 15h51m47s Julian Calendar 1 July 2322 BCE == Greg. Calendar 11 June 2322 BCE  
 The year -2321 astronomical counting style corresponds to year 2322 B.C.E historical counting style.

AUGUST 2322 BCE (-2321) JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♂     | ♃      | ♄     | ♅     | ♆     | ♇     | ♁      | ♂      | ♆     | ♁     |      |
|------|----------|----------|-------|-------|-------|--------|-------|-------|-------|-------|--------|--------|-------|-------|------|
| W 1  | 19 17 38 | 17☾51'24 | 0♁47  | 16☾51 | 27♁32 | 11°R53 | 2°R37 | 28☾ 6 | 11☾57 | 14♁ 5 | 28°R33 | 19°R25 | 20♁47 | 8♁26  | n.a. |
| T 2  | 19 21 34 | 18°50'10 | 12°37 | 18°42 | 28°43 | 11☾36  | 2♁34  | 28°13 | 12° 1 | 14° 6 | 28)☾33 | 19♁17  | 20°44 | 8°33  | n.a. |
| F 3  | 19 25 31 | 19°48'59 | 24°24 | 20°33 | 29°54 | 11°20  | 2°31  | 28°20 | 12° 4 | 14° 8 | 28°33  | 19°11  | 20°40 | 8°40  | n.a. |
| S 4  | 19 29 28 | 20°47'49 | 6♁13  | 22°22 | 1♁ 5  | 11° 4  | 2°28  | 28°28 | 12° 8 | 14° 9 | 28°32  | 19° 8  | 20°37 | 8°46  | n.a. |
| S 5  | 19 33 24 | 21°46'41 | 18° 6 | 24°11 | 2°15  | 10°49  | 2°25  | 28°35 | 12°12 | 14°11 | 28°32  | 19°D 7 | 20°34 | 8°53  | n.a. |
| M 6  | 19 37 21 | 22°45'36 | 0♁ 7  | 25°59 | 3°26  | 10°34  | 2°23  | 28°42 | 12°16 | 14°12 | 28°32  | 19° 7  | 20°31 | 9° 0  | n.a. |
| T 7  | 19 41 17 | 23°44'32 | 12°22 | 27°45 | 4°36  | 10°20  | 2°20  | 28°49 | 12°19 | 14°14 | 28°31  | 19° 8  | 20°28 | 9° 6  | n.a. |
| W 8  | 19 45 14 | 24°43'30 | 24°55 | 29°31 | 5°47  | 10° 6  | 2°18  | 28°57 | 12°23 | 14°16 | 28°31  | 19°R 9 | 20°24 | 9°13  | n.a. |
| T 9  | 19 49 10 | 25°42'30 | 7♁52  | 1♁16  | 6°57  | 9°53   | 2°16  | 29° 4 | 12°27 | 14°17 | 28°30  | 19° 8  | 20°21 | 9°20  | n.a. |
| F 10 | 19 53 7  | 26°41'32 | 21°15 | 3° 0  | 8° 7  | 9°40   | 2°14  | 29°11 | 12°31 | 14°19 | 28°30  | 19° 5  | 20°18 | 9°27  | n.a. |
| S 11 | 19 57 3  | 27°40'36 | 5♁ 8  | 4°43  | 9°17  | 9°28   | 2°13  | 29°18 | 12°34 | 14°20 | 28°30  | 19° 1  | 20°15 | 9°33  | n.a. |
| S 12 | 20 1 0   | 28°39'42 | 19°31 | 6°25  | 10°27 | 9°17   | 2°11  | 29°26 | 12°38 | 14°22 | 28°29  | 18°54  | 20°12 | 9°40  | n.a. |
| M13  | 20 4 57  | 29°38'51 | 4☾19  | 8° 6  | 11°37 | 9° 6   | 2°10  | 29°33 | 12°42 | 14°24 | 28°29  | 18°47  | 20° 9 | 9°47  | n.a. |
| T 14 | 20 8 53  | 0♁38'01  | 19°26 | 9°46  | 12°47 | 8°56   | 2° 9  | 29°40 | 12°45 | 14°26 | 28°28  | 18°39  | 20° 5 | 9°53  | n.a. |
| W15  | 20 12 50 | 1°37'13  | 4♁43  | 11°25 | 13°57 | 8°47   | 2° 9  | 29°47 | 12°49 | 14°27 | 28°28  | 18°33  | 20° 2 | 10° 0 | n.a. |
| T 16 | 20 16 46 | 2°36'28  | 19°58 | 13° 4 | 15° 7 | 8°39   | 2° 8  | 29°55 | 12°53 | 14°29 | 28°27  | 18°28  | 19°59 | 10° 7 | n.a. |
| F 17 | 20 20 43 | 3°35'45  | 5)☾ 2 | 14°41 | 16°17 | 8°31   | 2° 8  | 0♁ 2  | 12°56 | 14°31 | 28°26  | 18°25  | 19°56 | 10°13 | n.a. |
| S 18 | 20 24 39 | 4°35'04  | 19°46 | 16°18 | 17°26 | 8°24   | 2°D 7 | 0° 9  | 13° 0 | 14°33 | 28°26  | 18°D25 | 19°53 | 10°20 | n.a. |
| S 19 | 20 28 36 | 5°34'26  | 4)☾ 5 | 17°54 | 18°36 | 8°18   | 2° 7  | 0°16  | 13° 3 | 14°35 | 28°25  | 18°25  | 19°49 | 10°27 | n.a. |
| M20  | 20 32 32 | 6°33'50  | 17°58 | 19°29 | 19°45 | 8°12   | 2° 8  | 0°24  | 13° 7 | 14°36 | 28°25  | 18°27  | 19°46 | 10°33 | n.a. |
| T 21 | 20 36 29 | 7°33'17  | 1♁25  | 21° 3 | 20°54 | 8° 8   | 2° 8  | 0°31  | 13°10 | 14°38 | 28°24  | 18°R28 | 19°43 | 10°40 | n.a. |
| W22  | 20 40 26 | 8°32'46  | 14°29 | 22°37 | 22° 3 | 8° 4   | 2° 9  | 0°38  | 13°14 | 14°40 | 28°23  | 18°28  | 19°40 | 10°47 | n.a. |
| T 23 | 20 44 22 | 9°32'18  | 27°12 | 24°10 | 23°12 | 8° 0   | 2° 9  | 0°45  | 13°17 | 14°42 | 28°23  | 18°26  | 19°37 | 10°53 | n.a. |
| F 24 | 20 48 19 | 10°31'52 | 9II40 | 25°42 | 24°21 | 7°58   | 2°10  | 0°52  | 13°21 | 14°44 | 28°22  | 18°23  | 19°34 | 11° 0 | n.a. |
| S 25 | 20 52 15 | 11°31'29 | 21°54 | 27°13 | 25°30 | 7°57   | 2°12  | 1° 0  | 13°24 | 14°46 | 28°21  | 18°18  | 19°30 | 11° 7 | n.a. |
| S 26 | 20 56 12 | 12°31'08 | 3☾58  | 28°44 | 26°39 | 7°D56  | 2°13  | 1° 7  | 13°28 | 14°48 | 28°20  | 18°12  | 19°27 | 11°13 | n.a. |
| M27  | 21 0 8   | 13°30'50 | 15°55 | 0♁14  | 27°48 | 7°56   | 2°15  | 1°14  | 13°31 | 14°50 | 28°20  | 18° 5  | 19°24 | 11°20 | n.a. |
| T 28 | 21 4 5   | 14°30'33 | 27°48 | 1°43  | 28°56 | 7°57   | 2°16  | 1°21  | 13°35 | 14°52 | 28°19  | 17°59  | 19°21 | 11°27 | n.a. |
| W29  | 21 8 1   | 15°30'20 | 9♁38  | 3°11  | 0♁ 5  | 7°58   | 2°18  | 1°28  | 13°38 | 14°54 | 28°18  | 17°53  | 19°18 | 11°33 | n.a. |
| T 30 | 21 11 58 | 16°30'08 | 21°26 | 4°39  | 1°13  | 8° 1   | 2°20  | 1°35  | 13°41 | 14°56 | 28°17  | 17°49  | 19°15 | 11°40 | n.a. |
| F 31 | 21 15 55 | 17♁29'58 | 3♁16  | 6♁ 5  | 2♁21  | 8☾ 4   | 2♁23  | 1♁42  | 13☾45 | 14♁58 | 28)☾16 | 17♁46  | 19♁11 | 11♁47 | n.a. |

Delta T = 15h51m45s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2322 BCE

SEPTEMBER 2322 BCE (-2321) JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃    | ♄    | ♅     | ♆     | ♇      | ♈      | ♉     | ♊     | ♋    | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|-------|------|------|-------|-------|--------|--------|-------|-------|------|---|---|
| S 1  | 21 19 51 | 18♁29°51 | 15♏9  | 7♏31  | 3♁29  | 8♃8   | 2♃25 | 1♁49 | 13♁48 | 15♏0  | 28°R16 | 17°D45 | 19♏8  | 11♁53 | n.a. |   |   |
| S 2  | 21 23 48 | 19°29'45 | 27° 8 | 8°57  | 4°37  | 8°13  | 2°28 | 1°56 | 13°51 | 15° 2 | 28♁15  | 17♏45  | 19° 5 | 12° 0 | n.a. |   |   |
| M 3  | 21 27 44 | 20°29'42 | 9♁15  | 10°21 | 5°45  | 8°18  | 2°31 | 2° 3 | 13°55 | 15° 4 | 28°L4  | 17°47  | 19° 2 | 12° 7 | n.a. |   |   |
| T 4  | 21 31 41 | 21°29'40 | 21°34 | 11°44 | 6°53  | 8°24  | 2°34 | 2°10 | 13°58 | 15° 6 | 28°13  | 17°48  | 18°59 | 12°13 | n.a. |   |   |
| W 5  | 21 35 37 | 22°29'40 | 4♏8   | 13° 7 | 8° 0  | 8°31  | 2°38 | 2°17 | 14° 1 | 15° 8 | 28°12  | 17°50  | 18°55 | 12°20 | n.a. |   |   |
| T 6  | 21 39 34 | 23°29'42 | 17° 2 | 14°28 | 9° 7  | 8°39  | 2°41 | 2°24 | 14° 4 | 15°11 | 28°11  | 17°51  | 18°52 | 12°27 | n.a. |   |   |
| F 7  | 21 43 30 | 24°29'46 | 0♃19  | 15°49 | 10°15 | 8°48  | 2°45 | 2°31 | 14° 7 | 15°13 | 28°10  | 17°R51 | 18°49 | 12°33 | n.a. |   |   |
| S 8  | 21 47 27 | 25°29'52 | 14° 2 | 17° 8 | 11°22 | 8°57  | 2°49 | 2°38 | 14°10 | 15°15 | 28° 9  | 17°50  | 18°46 | 12°40 | n.a. |   |   |
| S 9  | 21 51 24 | 26°30'00 | 28°11 | 18°26 | 12°29 | 9° 7  | 2°53 | 2°45 | 14°13 | 15°17 | 28° 8  | 17°48  | 18°43 | 12°47 | n.a. |   |   |
| M10  | 21 55 20 | 27°30'09 | 12♃44 | 19°43 | 13°35 | 9°17  | 2°57 | 2°52 | 14°16 | 15°19 | 28° 7  | 17°45  | 18°40 | 12°53 | n.a. |   |   |
| T 11 | 21 59 17 | 28°30'20 | 27°39 | 20°59 | 14°42 | 9°28  | 3° 1 | 2°59 | 14°19 | 15°21 | 28° 7  | 17°43  | 18°36 | 13° 0 | n.a. |   |   |
| W12  | 22 3 13  | 29°30'33 | 12♁47 | 22°13 | 15°48 | 9°40  | 3° 6 | 3° 5 | 14°22 | 15°24 | 28° 6  | 17°40  | 18°33 | 13° 7 | n.a. |   |   |
| T 13 | 22 7 10  | 0♏30°48  | 27°59 | 23°25 | 16°54 | 9°53  | 3°11 | 3°12 | 14°25 | 15°26 | 28° 5  | 17°39  | 18°30 | 13°14 | n.a. |   |   |
| F 14 | 22 11 6  | 1°31'04  | 13♁6  | 24°35 | 18° 0 | 10° 6 | 3°16 | 3°19 | 14°28 | 15°28 | 28° 4  | 17°D38 | 18°27 | 13°20 | n.a. |   |   |
| S 15 | 22 15 3  | 2°31'23  | 27°59 | 25°44 | 19° 6 | 10°20 | 3°21 | 3°26 | 14°31 | 15°30 | 28° 3  | 17°38  | 18°24 | 13°27 | n.a. |   |   |
| S 16 | 22 18 59 | 3°31'44  | 12♃30 | 26°50 | 20°11 | 10°34 | 3°26 | 3°32 | 14°34 | 15°32 | 28° 2  | 17°39  | 18°21 | 13°34 | n.a. |   |   |
| M17  | 22 22 56 | 4°32'07  | 26°35 | 27°53 | 21°17 | 10°49 | 3°32 | 3°39 | 14°37 | 15°35 | 28° 1  | 17°40  | 18°17 | 13°40 | n.a. |   |   |
| T 18 | 22 26 52 | 5°32'32  | 10♁12 | 28°54 | 22°22 | 11° 4 | 3°38 | 3°45 | 14°39 | 15°37 | 27°59  | 17°41  | 18°14 | 13°47 | n.a. |   |   |
| W19  | 22 30 49 | 6°32'59  | 23°23 | 29°52 | 23°26 | 11°20 | 3°43 | 3°52 | 14°42 | 15°39 | 27°58  | 17°42  | 18°11 | 13°54 | n.a. |   |   |
| T 20 | 22 34 46 | 7°33'28  | 6♁11  | 0♁46  | 24°31 | 11°37 | 3°49 | 3°58 | 14°45 | 15°41 | 27°57  | 17°R42 | 18° 8 | 14° 0 | n.a. |   |   |
| F 21 | 22 38 42 | 8°33'59  | 18°38 | 1°36  | 25°35 | 11°54 | 3°56 | 4° 5 | 14°47 | 15°44 | 27°56  | 17°42  | 18° 5 | 14° 7 | n.a. |   |   |
| S 22 | 22 42 39 | 9°34'33  | 0♁50  | 2°22  | 26°40 | 12°12 | 4° 2 | 4°11 | 14°50 | 15°46 | 27°55  | 17°42  | 18° 1 | 14°14 | n.a. |   |   |
| S 23 | 22 46 35 | 10°35'08 | 12°50 | 3° 3  | 27°43 | 12°30 | 4° 8 | 4°17 | 14°52 | 15°48 | 27°54  | 17°41  | 17°58 | 14°20 | n.a. |   |   |
| M24  | 22 50 32 | 11°35'46 | 24°43 | 3°38  | 28°47 | 12°48 | 4°15 | 4°24 | 14°55 | 15°50 | 27°53  | 17°40  | 17°55 | 14°27 | n.a. |   |   |
| T 25 | 22 54 28 | 12°36'25 | 6♁32  | 4° 7  | 29°50 | 13° 8 | 4°22 | 4°30 | 14°57 | 15°53 | 27°52  | 17°39  | 17°52 | 14°34 | n.a. |   |   |
| W26  | 22 58 25 | 13°37'06 | 18°20 | 4°30  | 0♏53  | 13°27 | 4°29 | 4°36 | 15° 0 | 15°55 | 27°51  | 17°38  | 17°49 | 14°40 | n.a. |   |   |
| T 27 | 23 2 21  | 14°37'49 | 0♏11  | 4°45  | 1°56  | 13°47 | 4°36 | 4°42 | 15° 2 | 15°57 | 27°50  | 17°38  | 17°46 | 14°47 | n.a. |   |   |
| F 28 | 23 6 18  | 15°38'34 | 12° 6 | 4°R52 | 2°59  | 14° 8 | 4°43 | 4°48 | 15° 4 | 15°59 | 27°49  | 17°38  | 17°42 | 14°54 | n.a. |   |   |
| S 29 | 23 10 15 | 16°39'20 | 24° 9 | 4°49  | 4° 1  | 14°29 | 4°51 | 4°54 | 15° 7 | 16° 2 | 27°48  | 17°D38 | 17°39 | 15° 0 | n.a. |   |   |
| S 30 | 23 14 11 | 17°40'08 | 6♁19  | 4♁38  | 5♏3   | 14♃50 | 4♃58 | 5♁0  | 15♁9  | 16♏4  | 27♁46  | 17°R38 | 17°36 | 15♁7  | n.a. |   |   |

Delta T = 15h51m42s Julian Calendar 1 Sept. 2322 BCE == Greg. Calendar 12 Aug. 2322 BCE  
 The year -2321 astronomical counting style corresponds to year 2322 B.C.E historical counting style.

OCTOBER 2322 BCE (-2321) JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♁     | ♂     | ♃    | ♄    | ♅     | ♆     | ♇      | ♈      | ♉     | ♊     | ♋    | ♌ | ♍ |
|------|----------|----------|-------|--------|-------|-------|------|------|-------|-------|--------|--------|-------|-------|------|---|---|
| M 1  | 23 18 8  | 18♏40°57 | 18♁39 | 4°R16  | 6♏4   | 15♃12 | 5♃6  | 5♁6  | 15♁11 | 16♏6  | 27°R45 | 17°R38 | 17°33 | 15♁14 | n.a. |   |   |
| T 2  | 23 22 4  | 19°41'48 | 1♏12  | 3♁44   | 7° 5  | 15°35 | 5°14 | 5°12 | 15°13 | 16° 8 | 27♁44  | 17°38  | 17°30 | 15°20 | n.a. |   |   |
| W 3  | 23 26 1  | 20°42'40 | 13°57 | 3° 1   | 8° 6  | 15°57 | 5°22 | 5°18 | 15°15 | 16°11 | 27°43  | 17°37  | 17°26 | 15°27 | n.a. |   |   |
| T 4  | 23 29 57 | 21°43'33 | 26°58 | 2° 8   | 9° 6  | 16°21 | 5°30 | 5°24 | 15°17 | 16°13 | 27°42  | 17°37  | 17°23 | 15°34 | n.a. |   |   |
| F 5  | 23 33 54 | 22°44'27 | 10♃16 | 1° 6   | 10° 6 | 16°44 | 5°39 | 5°29 | 15°19 | 16°15 | 27°41  | 17°37  | 17°20 | 15°40 | n.a. |   |   |
| S 6  | 23 37 50 | 23°45'23 | 23°53 | 29♏55  | 11° 6 | 17° 8 | 5°47 | 5°35 | 15°21 | 16°17 | 27°40  | 17°D37 | 17°17 | 15°47 | n.a. |   |   |
| S 7  | 23 41 47 | 24°46'20 | 7♃49  | 28°39  | 12° 5 | 17°32 | 5°56 | 5°41 | 15°23 | 16°20 | 27°39  | 17°37  | 17°14 | 15°54 | n.a. |   |   |
| M 8  | 23 45 44 | 25°47'17 | 22° 4 | 27°18  | 13° 4 | 17°57 | 6° 5 | 5°46 | 15°25 | 16°22 | 27°37  | 17°37  | 17°11 | 16° 0 | n.a. |   |   |
| T 9  | 23 49 40 | 26°48'16 | 6♁35  | 25°56  | 14° 2 | 18°22 | 6°13 | 5°51 | 15°27 | 16°24 | 27°36  | 17°38  | 17° 7 | 16° 7 | n.a. |   |   |
| W10  | 23 53 37 | 27°49'15 | 21°20 | 24°35  | 14°59 | 18°47 | 6°22 | 5°57 | 15°29 | 16°26 | 27°35  | 17°39  | 17° 4 | 16°14 | n.a. |   |   |
| T 11 | 23 57 33 | 28°50'16 | 6♁12  | 23°19  | 15°57 | 19°13 | 6°32 | 6° 2 | 15°30 | 16°29 | 27°34  | 17°39  | 17° 1 | 16°20 | n.a. |   |   |
| F 12 | 0 1 30   | 29°51'18 | 21° 4 | 22° 8  | 16°53 | 19°39 | 6°41 | 6° 7 | 15°32 | 16°31 | 27°33  | 17°R40 | 16°58 | 16°27 | n.a. |   |   |
| S 13 | 0 5 26   | 0♁52'20  | 5♃49  | 21° 7  | 17°49 | 20° 5 | 6°50 | 6°13 | 15°34 | 16°33 | 27°32  | 17°39  | 16°55 | 16°34 | n.a. |   |   |
| S 14 | 0 9 23   | 1°53'24  | 20°18 | 20°15  | 18°45 | 20°32 | 7° 0 | 6°18 | 15°35 | 16°35 | 27°31  | 17°38  | 16°52 | 16°40 | n.a. |   |   |
| M15  | 0 13 19  | 2°54'29  | 4♁27  | 19°34  | 19°40 | 20°59 | 7°10 | 6°23 | 15°37 | 16°37 | 27°29  | 17°36  | 16°48 | 16°47 | n.a. |   |   |
| T 16 | 0 17 16  | 3°55'36  | 18°12 | 19° 5  | 20°34 | 21°26 | 7°19 | 6°28 | 15°38 | 16°40 | 27°28  | 17°34  | 16°45 | 16°54 | n.a. |   |   |
| W17  | 0 21 12  | 4°56'43  | 1♁31  | 18°47  | 21°28 | 21°53 | 7°29 | 6°33 | 15°39 | 16°42 | 27°27  | 17°31  | 16°42 | 17° 0 | n.a. |   |   |
| T 18 | 0 25 9   | 5°57'52  | 14°25 | 18°D41 | 22°21 | 22°21 | 7°39 | 6°37 | 15°41 | 16°44 | 27°26  | 17°29  | 16°39 | 17° 7 | n.a. |   |   |
| F 19 | 0 29 6   | 6°59'02  | 26°57 | 18°45  | 23°13 | 22°49 | 7°49 | 6°42 | 15°42 | 16°46 | 27°25  | 17°28  | 16°36 | 17°14 | n.a. |   |   |
| S 20 | 0 33 2   | 8° 0'13  | 9♁11  | 18°59  | 24° 5 | 23°17 | 8° 0 | 6°47 | 15°43 | 16°48 | 27°24  | 17°D28 | 16°32 | 17°20 | n.a. |   |   |
| S 21 | 0 36 59  | 9° 1'26  | 21°11 | 19°22  | 24°56 | 23°46 | 8°10 | 6°51 | 15°44 | 16°50 | 27°23  | 17°28  | 16°29 | 17°27 | n.a. |   |   |
| M22  | 0 40 55  | 10° 2'39 | 3♁3   | 19°54  | 25°46 | 24°15 | 8°21 | 6°56 | 15°46 | 16°52 | 27°21  | 17°30  | 16°26 | 17°34 | n.a. |   |   |
| T 23 | 0 44 52  | 11° 3'54 | 14°51 | 20°32  | 26°36 | 24°44 | 8°31 | 7° 0 | 15°47 | 16°55 | 27°20  | 17°31  | 16°23 | 17°40 | n.a. |   |   |
| W24  | 0 48 48  | 12° 5'09 | 26°40 | 21°18  | 27°24 | 25°13 | 8°42 | 7° 5 | 15°48 | 16°57 | 27°19  | 17°33  | 16°20 | 17°47 | n.a. |   |   |
| T 25 | 0 52 45  | 13° 6'25 | 8♏34  | 22° 8  | 28°12 | 25°42 | 8°53 | 7° 9 | 15°49 | 16°59 | 27°18  | 17°34  | 16°17 | 17°54 | n.a. |   |   |
| F 26 | 0 56 41  | 14° 7'42 | 20°36 | 23° 4  | 28°58 | 26°12 | 9° 4 | 7°13 | 15°50 | 17° 1 | 27°17  | 17°R35 | 16°13 | 18° 0 | n.a. |   |   |
| S 27 | 1 0 38   | 15° 9'00 | 2♁49  | 24° 5  | 29°44 | 26°42 | 9°15 | 7°17 | 15°50 | 17° 3 | 27°16  | 17°34  | 16°10 | 18° 7 | n.a. |   |   |
| S 28 | 1 4 35   | 16°10'18 | 15°15 | 25° 9  | 0♃29  | 27°12 | 9°26 | 7°21 | 15°51 | 17° 5 | 27°15  | 17°31  | 16° 7 | 18°14 | n.a. |   |   |
| M29  | 1 8 31   | 17°11'37 | 27°55 | 26°16  | 1°13  | 27°42 | 9°37 | 7°25 | 15°52 | 17° 7 | 27°14  | 17°27  | 16° 4 | 18°20 | n.a. |   |   |
| T 30 | 1 12 28  | 18°12'57 | 10♏48 | 27°27  | 1°56  | 28°13 | 9°48 | 7°29 | 15°53 | 17° 9 | 27°13  | 17°22  | 16° 1 | 18°27 | n.a. |   |   |
| W31  | 1 16 24  | 19°14'17 | 23♏55 | 28♏40  | 2♃37  | 28♃44 | 10♃0 | 7♁33 | 15♁53 | 17♏11 | 27♁12  | 17♏17  | 15♏57 | 18♁33 | n.a. |   |   |

Delta T = 15h51m40s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2322 BCE

NOVEMBER 2322 BCE (-2321) JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♂      | ♃     | ♄     | ♅    | ♆      | ♇     | ♁      | ♂      | ♆     | ♅     |      |
|------|---------|----------|-------|-------|--------|-------|-------|------|--------|-------|--------|--------|-------|-------|------|
| T 1  | 1 20 21 | 20♁15'37 | 7♂15  | 29♏55 | 3♂18   | 29♁15 | 10♂11 | 7♁36 | 15♁54  | 17♏13 | 27°R11 | 17°R11 | 15♏54 | 18♁40 | n.a. |
| F 2  | 1 24 17 | 21°16'57 | 20♂7  | 1♁13  | 3°57   | 29°46 | 10°23 | 7°40 | 15°54  | 17°15 | 27♂10  | 17♏7   | 15°51 | 18°47 | n.a. |
| S 3  | 1 28 14 | 22°18'17 | 4♁30  | 2°32  | 4°35   | 0♁17  | 10°35 | 7°44 | 15°55  | 17°17 | 27°9   | 17°4   | 15°48 | 18°53 | n.a. |
| S 4  | 1 32 10 | 23°19'38 | 18°23 | 3°52  | 5°12   | 0°49  | 10°46 | 7°47 | 15°55  | 17°19 | 27°8   | 17°D 2 | 15°45 | 19°0  | n.a. |
| M 5  | 1 36 7  | 24°20'58 | 2♁27  | 5°14  | 5°47   | 1°20  | 10°58 | 7°50 | 15°55  | 17°21 | 27°7   | 17°2   | 15°42 | 19°7  | n.a. |
| T 6  | 1 40 4  | 25°22'18 | 16°39 | 6°37  | 6°21   | 1°52  | 11°10 | 7°53 | 15°56  | 17°22 | 27°6   | 17°4   | 15°38 | 19°13 | n.a. |
| W 7  | 1 44 0  | 26°23'38 | 0♁58  | 8°1   | 6°53   | 2°24  | 11°22 | 7°57 | 15°56  | 17°24 | 27°5   | 17°5   | 15°35 | 19°20 | n.a. |
| T 8  | 1 47 57 | 27°24'58 | 15°22 | 9°26  | 7°24   | 2°56  | 11°35 | 8°0  | 15°56  | 17°26 | 27°4   | 17°R 6 | 15°32 | 19°27 | n.a. |
| F 9  | 1 51 53 | 28°26'18 | 29°46 | 10°51 | 7°53   | 3°29  | 11°47 | 8°3  | 15°56  | 17°28 | 27°3   | 17°5   | 15°29 | 19°33 | n.a. |
| S 10 | 1 55 50 | 29°27'38 | 14♀7  | 12°18 | 8°21   | 4°1   | 11°59 | 8°5  | 15°R56 | 17°30 | 27°2   | 17°2   | 15°26 | 19°40 | n.a. |
| S 11 | 1 59 46 | 0♁28'57  | 28°19 | 13°45 | 8°47   | 4°34  | 12°11 | 8°8  | 15°56  | 17°32 | 27°1   | 16°58  | 15°23 | 19°47 | n.a. |
| M12  | 2 3 43  | 1°30'17  | 12♁17 | 15°12 | 9°11   | 5°6   | 12°24 | 8°11 | 15°56  | 17°33 | 27°0   | 16°51  | 15°19 | 19°53 | n.a. |
| T 13 | 2 7 39  | 2°31'36  | 25♂7  | 16°40 | 9°33   | 5°39  | 12°36 | 8°13 | 15°56  | 17°35 | 26°59  | 16°43  | 15°16 | 20°0  | n.a. |
| W14  | 2 11 36 | 3°32'56  | 9♁15  | 18°9  | 9°53   | 6°12  | 12°49 | 8°16 | 15°56  | 17°37 | 26°58  | 16°34  | 15°13 | 20°7  | n.a. |
| T 15 | 2 15 33 | 4°34'15  | 22°11 | 19°38 | 10°11  | 6°45  | 13°2  | 8°18 | 15°55  | 17°38 | 26°57  | 16°26  | 15°10 | 20°13 | n.a. |
| F 16 | 2 19 29 | 5°35'35  | 4♁46  | 21°8  | 10°27  | 7°19  | 13°14 | 8°20 | 15°55  | 17°40 | 26°56  | 16°20  | 15°7  | 20°20 | n.a. |
| S 17 | 2 23 26 | 6°36'55  | 17°2  | 22°38 | 10°41  | 7°52  | 13°27 | 8°22 | 15°55  | 17°42 | 26°55  | 16°16  | 15°3  | 20°27 | n.a. |
| S 18 | 2 27 22 | 7°38'14  | 29°5  | 24°9  | 10°53  | 8°26  | 13°40 | 8°25 | 15°54  | 17°43 | 26°55  | 16°13  | 15°0  | 20°33 | n.a. |
| M19  | 2 31 19 | 8°39'34  | 10♁57 | 25°40 | 11°2   | 8°59  | 13°53 | 8°26 | 15°54  | 17°45 | 26°54  | 16°D13 | 14°57 | 20°40 | n.a. |
| T 20 | 2 35 15 | 9°40'53  | 22°45 | 27°11 | 11°9   | 9°33  | 14°6  | 8°28 | 15°53  | 17°47 | 26°53  | 16°14  | 14°54 | 20°47 | n.a. |
| W21  | 2 39 12 | 10°42'12 | 4♏35  | 28°43 | 11°14  | 10°7  | 14°19 | 8°30 | 15°53  | 17°48 | 26°52  | 16°15  | 14°51 | 20°53 | n.a. |
| T 22 | 2 43 8  | 11°43'31 | 16°30 | 0♁15  | 11°17  | 10°41 | 14°32 | 8°32 | 15°52  | 17°50 | 26°51  | 16°R15 | 14°48 | 21°0  | n.a. |
| F 23 | 2 47 5  | 12°44'50 | 28°37 | 1°48  | 11°R17 | 11°15 | 14°45 | 8°33 | 15°51  | 17°51 | 26°51  | 16°14  | 14°44 | 21°7  | n.a. |
| S 24 | 2 51 1  | 13°46'08 | 10♁59 | 3°21  | 11°14  | 11°49 | 14°59 | 8°35 | 15°51  | 17°53 | 26°50  | 16°11  | 14°41 | 21°13 | n.a. |
| S 25 | 2 54 58 | 14°47'26 | 23°38 | 4°54  | 11°9   | 12°23 | 15°12 | 8°36 | 15°50  | 17°54 | 26°49  | 16°6   | 14°38 | 21°20 | n.a. |
| M26  | 2 58 55 | 15°48'43 | 6♁36  | 6°28  | 11°2   | 12°57 | 15°25 | 8°37 | 15°49  | 17°55 | 26°48  | 15°57  | 14°35 | 21°27 | n.a. |
| T 27 | 3 2 51  | 16°50'00 | 19°52 | 8°3   | 10°52  | 13°32 | 15°39 | 8°38 | 15°48  | 17°57 | 26°48  | 15°47  | 14°32 | 21°33 | n.a. |
| W28  | 3 6 48  | 17°51'16 | 3♂26  | 9°38  | 10°39  | 14°7  | 15°52 | 8°39 | 15°47  | 17°58 | 26°47  | 15°36  | 14°28 | 21°40 | n.a. |
| T 29 | 3 10 44 | 18°52'31 | 17°13 | 11°13 | 10°24  | 14°41 | 16°6  | 8°40 | 15°46  | 18°0  | 26°46  | 15°25  | 14°25 | 21°47 | n.a. |
| F 30 | 3 14 41 | 19♁53'46 | 1♁10  | 12♁49 | 10♂7   | 15♁16 | 16♂19 | 8♁41 | 15♁45  | 18♏1  | 26♂46  | 15♏15  | 14♏22 | 21♁53 | n.a. |

Delta T = 15h51m37s Julian Calendar 1 Nov. 2322 BCE == Greg. Calendar 12 Oct. 2322 BCE  
 The year -2321 astronomical counting style corresponds to year 2322 B.C.E historical counting style.

DECEMBER 2322 BCE (-2321) JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♂     | ♃     | ♄     | ♅     | ♆      | ♇     | ♁      | ♂      | ♆     | ♅     |      |
|------|---------|----------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|-------|-------|------|
| S 1  | 3 18 37 | 20♁54'59 | 15♁13 | 14♁25 | 9°R47 | 15♁51 | 16♂33 | 8♁42  | 15°R44 | 18♏2  | 26°R45 | 15°R 8 | 14♏19 | 22♁0  | n.a. |
| S 2  | 3 22 34 | 21°56'12 | 29°19 | 16°2  | 9♂25  | 16°26 | 16°47 | 8°42  | 15♁43  | 18°3  | 26♂45  | 15♏3   | 14°16 | 22°7  | n.a. |
| M 3  | 3 26 31 | 22°57'23 | 13♁25 | 17°39 | 9°0   | 17°1  | 17°0  | 8°43  | 15°42  | 18°5  | 26°44  | 15°1   | 14°13 | 22°13 | n.a. |
| T 4  | 3 30 27 | 23°58'33 | 27°31 | 19°17 | 8°33  | 17°36 | 17°14 | 8°43  | 15°40  | 18°6  | 26°43  | 15°D 1 | 14°9  | 22°20 | n.a. |
| W 5  | 3 34 24 | 24°59'41 | 11♁34 | 20°56 | 8°5   | 18°11 | 17°28 | 8°44  | 15°39  | 18°7  | 26°43  | 15°R 1 | 14°6  | 22°27 | n.a. |
| T 6  | 3 38 20 | 26°0'48  | 25°36 | 22°35 | 7°34  | 18°46 | 17°42 | 8°44  | 15°38  | 18°8  | 26°42  | 15°1   | 14°3  | 22°33 | n.a. |
| F 7  | 3 42 17 | 27°1'54  | 9♀34  | 24°14 | 7°2   | 19°21 | 17°55 | 8°R44 | 15°36  | 18°9  | 26°42  | 14°59  | 14°0  | 22°40 | n.a. |
| S 8  | 3 46 13 | 28°2'58  | 23°26 | 25°55 | 6°28  | 19°57 | 18°9  | 8°44  | 15°35  | 18°10 | 26°41  | 14°54  | 13°57 | 22°47 | n.a. |
| S 9  | 3 50 10 | 29°4'02  | 7♁11  | 27°35 | 5°54  | 20°32 | 18°23 | 8°44  | 15°33  | 18°11 | 26°41  | 14°46  | 13°54 | 22°53 | n.a. |
| M10  | 3 54 6  | 0♂5'04   | 20°46 | 29°17 | 5°18  | 21°8  | 18°37 | 8°43  | 15°32  | 18°12 | 26°40  | 14°35  | 13°50 | 23°0  | n.a. |
| T 11 | 3 58 3  | 1°6'05   | 4♁8   | 0♂59  | 4°41  | 21°43 | 18°51 | 8°43  | 15°30  | 18°13 | 26°40  | 14°22  | 13°47 | 23°7  | n.a. |
| W12  | 4 1 59  | 2°7'04   | 17°14 | 2°42  | 4°4   | 22°19 | 19°5  | 8°42  | 15°29  | 18°14 | 26°40  | 14°9   | 13°44 | 23°13 | n.a. |
| T 13 | 4 5 56  | 3°8'03   | 0♁2   | 4°25  | 3°26  | 22°54 | 19°19 | 8°42  | 15°27  | 18°15 | 26°39  | 13°56  | 13°41 | 23°20 | n.a. |
| F 14 | 4 9 53  | 4°9'00   | 12°33 | 6°9   | 2°49  | 23°30 | 19°33 | 8°41  | 15°25  | 18°16 | 26°39  | 13°45  | 13°38 | 23°26 | n.a. |
| S 15 | 4 13 49 | 5°9'56   | 24°48 | 7°54  | 2°12  | 24°6  | 19°47 | 8°40  | 15°23  | 18°17 | 26°39  | 13°37  | 13°34 | 23°33 | n.a. |
| S 16 | 4 17 46 | 6°10'51  | 6♁50  | 9°40  | 1°35  | 24°42 | 20°2  | 8°40  | 15°22  | 18°18 | 26°38  | 13°31  | 13°31 | 23°40 | n.a. |
| M17  | 4 21 42 | 7°11'45  | 18°43 | 11°25 | 1°0   | 25°18 | 20°16 | 8°39  | 15°20  | 18°18 | 26°38  | 13°28  | 13°28 | 23°46 | n.a. |
| T 18 | 4 25 39 | 8°12'38  | 0♏31  | 13°12 | 0°25  | 25°54 | 20°30 | 8°38  | 15°18  | 18°19 | 26°38  | 13°26  | 13°25 | 23°53 | n.a. |
| W19  | 4 29 35 | 9°13'29  | 12°20 | 14°59 | 29♁51 | 26°30 | 20°44 | 8°36  | 15°16  | 18°20 | 26°37  | 13°26  | 13°22 | 24°0  | n.a. |
| T 20 | 4 33 32 | 10°14'19 | 24°15 | 16°46 | 29°19 | 27°6  | 20°58 | 8°35  | 15°14  | 18°21 | 26°37  | 13°26  | 13°19 | 24°6  | n.a. |
| F 21 | 4 37 28 | 11°15'08 | 6♁22  | 18°34 | 28°49 | 27°42 | 21°13 | 8°34  | 15°12  | 18°21 | 26°37  | 13°25  | 13°15 | 24°13 | n.a. |
| S 22 | 4 41 25 | 12°15'56 | 18°47 | 20°22 | 28°21 | 28°18 | 21°27 | 8°32  | 15°10  | 18°22 | 26°37  | 13°21  | 13°12 | 24°20 | n.a. |
| S 23 | 4 45 22 | 13°16'42 | 1♁32  | 22°11 | 27°54 | 28°54 | 21°41 | 8°31  | 15°8   | 18°22 | 26°37  | 13°14  | 13°9  | 24°26 | n.a. |
| M24  | 4 49 18 | 14°17'27 | 14°41 | 23°59 | 27°30 | 29°30 | 21°55 | 8°29  | 15°6   | 18°23 | 26°36  | 13°5   | 13°6  | 24°33 | n.a. |
| T 25 | 4 53 15 | 15°18'10 | 28°14 | 25°47 | 27°8  | 0♁6   | 22°10 | 8°27  | 15°4   | 18°23 | 26°36  | 12°54  | 13°3  | 24°40 | n.a. |
| W26  | 4 57 11 | 16°18'52 | 12♂9  | 27°35 | 26°48 | 0°43  | 22°24 | 8°25  | 15°2   | 18°24 | 26°36  | 12°41  | 13°0  | 24°46 | n.a. |
| T 27 | 5 1 8   | 17°19'33 | 26°22 | 29°22 | 26°30 | 1°19  | 22°38 | 8°23  | 14°59  | 18°24 | 26°36  | 12°28  | 12°56 | 24°53 | n.a. |
| F 28 | 5 5 4   | 18°20'11 | 10♁47 | 1♁8   | 26°15 | 1°55  | 22°53 | 8°21  | 14°57  | 18°25 | 26°36  | 12°17  | 12°53 | 25°0  | n.a. |
| S 29 | 5 9 1   | 19°20'48 | 25°17 | 2°53  | 26°3  | 2°32  | 23°7  | 8°19  | 14°55  | 18°25 | 26°36  | 12°8   | 12°50 | 25°6  | n.a. |
| S 30 | 5 12 58 | 20°21'23 | 9♁47  | 4°36  | 25°53 | 3°8   | 23°21 | 8°17  | 14°53  | 18°25 | 26°D36 | 12°3   | 12°47 | 25°13 | n.a. |
| M31  | 5 16 54 | 21♂21'55 | 24♁10 | 6♁18  | 25♁45 | 3♁45  | 23♂36 | 8♁14  | 14♁50  | 18♏26 | 26♂36  | 12♏0   | 12♏44 | 25♁20 | n.a. |

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