

SWISS EPHEMERIS for the year 623 BCE

JANUARY 623 BCE (-622) JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽       | ♀      | ♁     | ♂     | ♃     | ♅    | ♁    | ♁     | ♁     | ♁      | ♁      | ♁     | ♁    |
|------|---------|----------|---------|--------|-------|-------|-------|------|------|-------|-------|--------|--------|-------|------|
| T 1  | 6 13 23 | 4342'23  | 2327'28 | 16°R32 | 19♁ 3 | 263 9 | 425   | 1°14 | 2♁ 6 | 26358 | 24217 | 19°R38 | 18II46 | 8Ω19  | n.a. |
| F 2  | 6 17 20 | 5°43'16  | 8320    | 15355  | 20°11 | 26°56 | 4°36  | 1°17 | 2° 8 | 27° 0 | 24°17 | 19II37 | 18°43  | 8°26  | n.a. |
| S 3  | 6 21 16 | 6°44'07  | 23°22   | 15° 9  | 21°18 | 27°43 | 4°47  | 1°20 | 2°10 | 27° 2 | 24°17 | 19°36  | 18°40  | 8°33  | n.a. |
| S 4  | 6 25 13 | 7°44'57  | 8225    | 14°14  | 22°25 | 28°30 | 4°57  | 1°22 | 2°12 | 27° 4 | 24°18 | 19°33  | 18°37  | 8°40  | n.a. |
| M 5  | 6 29 9  | 8°45'45  | 23°21   | 13°13  | 23°33 | 29°17 | 5° 8  | 1°25 | 2°14 | 27° 6 | 24°18 | 19°31  | 18°34  | 8°46  | n.a. |
| T 6  | 6 33 6  | 9°46'32  | 82 0    | 12° 7  | 24°41 | 02 4  | 5°19  | 1°28 | 2°16 | 27° 9 | 24°19 | 19°28  | 18°31  | 8°53  | n.a. |
| W 7  | 6 37 2  | 10°47'16 | 22°20   | 10°57  | 25°48 | 0°51  | 5°30  | 1°32 | 2°18 | 27°11 | 24°19 | 19°27  | 18°27  | 9° 0  | n.a. |
| T 8  | 6 40 59 | 11°47'59 | 6216    | 9°46   | 26°57 | 1°38  | 5°41  | 1°35 | 2°20 | 27°13 | 24°20 | 19°D26 | 18°24  | 9° 6  | n.a. |
| F 9  | 6 44 56 | 12°48'40 | 19°49   | 8°36   | 28° 5 | 2°25  | 5°53  | 1°38 | 2°21 | 27°15 | 24°20 | 19°26  | 18°21  | 9°13  | n.a. |
| S 10 | 6 48 52 | 13°49'19 | 32 1    | 7°28   | 29°13 | 3°11  | 6° 4  | 1°42 | 2°23 | 27°18 | 24°21 | 19°27  | 18°18  | 9°20  | n.a. |
| S 11 | 6 52 49 | 14°49'56 | 15°53   | 6°24   | 0221  | 3°58  | 6°15  | 1°45 | 2°25 | 27°20 | 24°21 | 19°28  | 18°15  | 9°26  | n.a. |
| M12  | 6 56 45 | 15°50'32 | 28°28   | 5°26   | 1°30  | 4°45  | 6°27  | 1°49 | 2°27 | 27°22 | 24°22 | 19°30  | 18°11  | 9°33  | n.a. |
| T 13 | 7 0 42  | 16°51'05 | 10II51  | 4°34   | 2°39  | 5°32  | 6°38  | 1°52 | 2°28 | 27°24 | 24°23 | 19°31  | 18° 8  | 9°40  | n.a. |
| W14  | 7 4 38  | 17°51'37 | 23° 3   | 3°48   | 3°48  | 6°18  | 6°50  | 1°56 | 2°30 | 27°26 | 24°23 | 19°R31 | 18° 5  | 9°47  | n.a. |
| T 15 | 7 8 35  | 18°52'07 | 52 7    | 3°11   | 4°57  | 7° 5  | 7° 2  | 2° 0 | 2°31 | 27°29 | 24°24 | 19°30  | 18° 2  | 9°53  | n.a. |
| F 16 | 7 12 31 | 19°52'35 | 17° 5   | 2°40   | 6° 6  | 7°52  | 7°14  | 2° 4 | 2°33 | 27°31 | 24°25 | 19°28  | 17°59  | 10° 0 | n.a. |
| S 17 | 7 16 28 | 20°53'01 | 28°59   | 2°18   | 7°15  | 8°38  | 7°26  | 2° 8 | 2°34 | 27°33 | 24°25 | 19°23  | 17°56  | 10° 7 | n.a. |
| S 18 | 7 20 25 | 21°53'26 | 10Ω51   | 2° 3   | 8°24  | 9°25  | 7°38  | 2°12 | 2°36 | 27°36 | 24°26 | 19°18  | 17°52  | 10°13 | n.a. |
| M19  | 7 24 21 | 22°53'49 | 22°42   | 1°55   | 9°34  | 10°11 | 7°50  | 2°17 | 2°37 | 27°38 | 24°27 | 19°11  | 17°49  | 10°20 | n.a. |
| T 20 | 7 28 18 | 23°54'10 | 4234    | 1°D54  | 10°43 | 10°58 | 8° 2  | 2°21 | 2°38 | 27°40 | 24°27 | 19° 5  | 17°46  | 10°27 | n.a. |
| W21  | 7 32 14 | 24°54'29 | 16°30   | 2° 0   | 11°53 | 11°44 | 8°14  | 2°26 | 2°39 | 27°42 | 24°28 | 18°59  | 17°43  | 10°33 | n.a. |
| T 22 | 7 36 11 | 25°54'47 | 28°34   | 2°13   | 13° 2 | 12°31 | 8°27  | 2°30 | 2°41 | 27°45 | 24°29 | 18°54  | 17°40  | 10°40 | n.a. |
| F 23 | 7 40 7  | 26°55'03 | 10248   | 2°31   | 14°12 | 13°17 | 8°39  | 2°35 | 2°42 | 27°47 | 24°30 | 18°51  | 17°37  | 10°47 | n.a. |
| S 24 | 7 44 4  | 27°55'18 | 23°16   | 2°54   | 15°22 | 14° 4 | 8°52  | 2°39 | 2°43 | 27°49 | 24°31 | 18°D50 | 17°33  | 10°53 | n.a. |
| S 25 | 7 48 0  | 28°55'31 | 62 3    | 3°23   | 16°32 | 14°50 | 9° 4  | 2°44 | 2°44 | 27°51 | 24°31 | 18°50  | 17°30  | 11° 0 | n.a. |
| M26  | 7 51 57 | 29°55'42 | 19°13   | 3°56   | 17°42 | 15°36 | 9°17  | 2°49 | 2°45 | 27°54 | 24°32 | 18°51  | 17°27  | 11° 7 | n.a. |
| T 27 | 7 55 54 | 0255'52  | 2249    | 4°34   | 18°52 | 16°22 | 9°30  | 2°54 | 2°46 | 27°56 | 24°33 | 18°52  | 17°24  | 11°14 | n.a. |
| W28  | 7 59 50 | 1°56'00  | 16°52   | 5°16   | 20° 2 | 17° 9 | 9°42  | 2°59 | 2°47 | 27°58 | 24°34 | 18°R53 | 17°21  | 11°20 | n.a. |
| T 29 | 8 3 47  | 2°56'06  | 1323    | 6° 2   | 21°13 | 17°55 | 9°55  | 3° 4 | 2°47 | 28° 1 | 24°35 | 18°52  | 17°17  | 11°27 | n.a. |
| F 30 | 8 7 43  | 3°56'11  | 16°17   | 6°51   | 22°23 | 18°41 | 10° 8 | 3° 9 | 2°48 | 28° 3 | 24°36 | 18°50  | 17°14  | 11°34 | n.a. |
| S 31 | 8 11 40 | 4256'13  | 1228    | 7344   | 23234 | 19227 | 1021  | 3215 | 2249 | 283 5 | 24237 | 18II45 | 17II11 | 11Ω40 | n.a. |

Delta T = 05h21m04s Julian Calendar 1 Jan. 623 BCE == Greg. Calendar 25 Dec. 624 BCE  
 The year -622 astronomical counting style corresponds to year 623 B.C.E historical counting style.

FEBRUARY 623 BCE (-622) JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀      | ♁     | ♂     | ♃     | ♅    | ♁     | ♁     | ♁     | ♁      | ♁      | ♁     | ♁    |
|------|---------|----------|-------|--------|-------|-------|-------|------|-------|-------|-------|--------|--------|-------|------|
| S 1  | 8 15 36 | 5256'14  | 16246 | 8339   | 24244 | 20213 | 10234 | 3220 | 2249  | 283 7 | 24238 | 18°R38 | 17II 8 | 11Ω47 | n.a. |
| M 2  | 8 19 33 | 6°56'12  | 22 0  | 9°38   | 25°55 | 20°59 | 10°47 | 3°26 | 2°50  | 28°10 | 24°39 | 18II31 | 17° 5  | 11°54 | n.a. |
| T 3  | 8 23 30 | 7°56'08  | 17° 0 | 10°39  | 27° 5 | 21°45 | 11° 1 | 3°31 | 2°51  | 28°12 | 24°40 | 18°23  | 17° 2  | 12° 0 | n.a. |
| W 4  | 8 27 26 | 8°56'02  | 1236  | 11°42  | 28°16 | 22°31 | 11°14 | 3°37 | 2°51  | 28°14 | 24°41 | 18°17  | 16°58  | 12° 7 | n.a. |
| T 5  | 8 31 23 | 9°55'53  | 15°45 | 12°48  | 29°27 | 23°17 | 11°27 | 3°42 | 2°51  | 28°16 | 24°42 | 18°12  | 16°55  | 12°14 | n.a. |
| F 6  | 8 35 19 | 10°55'42 | 29°25 | 13°57  | 0337  | 24° 3 | 11°40 | 3°48 | 2°52  | 28°19 | 24°43 | 18°10  | 16°52  | 12°21 | n.a. |
| S 7  | 8 39 16 | 11°55'29 | 12238 | 15° 7  | 1°48  | 24°49 | 11°54 | 3°54 | 2°52  | 28°21 | 24°44 | 18°D 9 | 16°49  | 12°27 | n.a. |
| S 8  | 8 43 12 | 12°55'13 | 25°27 | 16°19  | 2°59  | 25°35 | 12° 7 | 4° 0 | 2°52  | 28°23 | 24°45 | 18°10  | 16°46  | 12°34 | n.a. |
| M 9  | 8 47 9  | 13°54'55 | 7II55 | 17°34  | 4°10  | 26°21 | 12°21 | 4° 6 | 2°53  | 28°25 | 24°46 | 18°11  | 16°43  | 12°41 | n.a. |
| T 10 | 8 51 5  | 14°54'35 | 20° 9 | 18°50  | 5°21  | 27° 6 | 12°34 | 4°12 | 2°53  | 28°27 | 24°47 | 18°R11 | 16°39  | 12°47 | n.a. |
| W11  | 8 55 2  | 15°54'12 | 2211  | 20° 7  | 6°32  | 27°52 | 12°48 | 4°18 | 2°53  | 28°30 | 24°48 | 18°10  | 16°36  | 12°54 | n.a. |
| T 12 | 8 58 59 | 16°53'47 | 14° 7 | 21°27  | 7°43  | 28°38 | 13° 1 | 4°24 | 2°R53 | 28°32 | 24°49 | 18° 6  | 16°33  | 13° 1 | n.a. |
| F 13 | 9 2 55  | 17°53'20 | 25°58 | 22°48  | 8°54  | 29°23 | 13°15 | 4°30 | 2°53  | 28°34 | 24°51 | 18° 0  | 16°30  | 13° 7 | n.a. |
| S 14 | 9 6 52  | 18°52'50 | 7Ω49  | 24°11  | 10° 5 | 02 9  | 13°29 | 4°36 | 2°53  | 28°36 | 24°52 | 17°52  | 16°27  | 13°14 | n.a. |
| S 15 | 9 10 48 | 19°52'18 | 19°40 | 25°35  | 11°17 | 0°54  | 13°42 | 4°43 | 2°53  | 28°38 | 24°53 | 17°41  | 16°23  | 13°21 | n.a. |
| M16  | 9 14 45 | 20°51'44 | 1233  | 27° 1  | 12°28 | 1°40  | 13°56 | 4°49 | 2°53  | 28°41 | 24°54 | 17°29  | 16°20  | 13°28 | n.a. |
| T 17 | 9 18 41 | 21°51'08 | 13°30 | 28°28  | 13°39 | 2°25  | 14°10 | 4°55 | 2°52  | 28°43 | 24°55 | 17°17  | 16°17  | 13°34 | n.a. |
| W18  | 9 22 38 | 22°50'30 | 25°33 | 29°57  | 14°50 | 3°10  | 14°24 | 5° 2 | 2°52  | 28°45 | 24°56 | 17° 5  | 16°14  | 13°41 | n.a. |
| T 19 | 9 26 34 | 23°49'49 | 7242  | 1227   | 16° 2 | 3°56  | 14°38 | 5° 8 | 2°52  | 28°47 | 24°58 | 16°55  | 16°11  | 13°48 | n.a. |
| F 20 | 9 30 31 | 24°49'07 | 20° 1 | 2°59   | 17°13 | 4°41  | 14°52 | 5°15 | 2°51  | 28°49 | 24°59 | 16°47  | 16° 8  | 13°54 | n.a. |
| S 21 | 9 34 27 | 25°48'23 | 2231  | 4°32   | 18°25 | 5°26  | 15° 5 | 5°22 | 2°51  | 28°51 | 25° 0 | 16°43  | 16° 4  | 14° 1 | n.a. |
| S 22 | 9 38 24 | 26°47'37 | 15°17 | 6° 7   | 19°36 | 6°11  | 15°19 | 5°28 | 2°50  | 28°53 | 25° 1 | 16°40  | 16° 1  | 14° 8 | n.a. |
| M23  | 9 42 21 | 27°46'49 | 28°22 | 7°42   | 20°48 | 6°57  | 15°33 | 5°35 | 2°50  | 28°55 | 25° 3 | 16°D40 | 15°58  | 14°14 | n.a. |
| T 24 | 9 46 17 | 28°45'59 | 11249 | 9°20   | 21°59 | 7°42  | 15°47 | 5°42 | 2°49  | 28°57 | 25° 4 | 16°R40 | 15°55  | 14°21 | n.a. |
| W25  | 9 50 14 | 29°45'08 | 25°40 | 10°58  | 23°11 | 8°27  | 16° 2 | 5°49 | 2°49  | 28°59 | 25° 5 | 16°40  | 15°52  | 14°28 | n.a. |
| T 26 | 9 54 10 | 0244'14  | 9358  | 12°38  | 24°23 | 9°12  | 16°16 | 5°56 | 2°48  | 29° 1 | 25° 6 | 16°38  | 15°49  | 14°35 | n.a. |
| F 27 | 9 58 7  | 1°43'19  | 24°40 | 14°20  | 25°34 | 9°57  | 16°30 | 6° 3 | 2°47  | 29° 3 | 25° 8 | 16°34  | 15°45  | 14°41 | n.a. |
| S 28 | 10 2 3  | 2242'22  | 9242  | 1622 3 | 26346 | 10242 | 16244 | 6210 | 2247  | 293 5 | 252 9 | 16II27 | 15II42 | 14Ω48 | n.a. |

Delta T = 05h21m03s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [10.1.2003]

SWISS EPHEMERIS for the year 623 BCE

MARCH 623 BCE (-622) JC

00:00 UT

| Day  | Sid.t    | ☉                     | ☽                    | ♀                   | ♁                  | ♂                  | ♃                   | ♅                   | ♁                  | ♁                  | ♁                   | ♁                    | ♁                    | ♁                   | ♁    | ♁ |
|------|----------|-----------------------|----------------------|---------------------|--------------------|--------------------|---------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|---------------------|------|---|
| S 1  | 10 6 0   | 3 <sup>h</sup> 41'22  | 24 <sup>m</sup> 56   | 17 <sup>s</sup> 47  | 27 <sup>o</sup> 58 | 11 <sup>h</sup> 26 | 16 <sup>m</sup> 58  | 6 <sup>s</sup> 17   | 2 <sup>o</sup> R46 | 29 <sup>o</sup> 7  | 25 <sup>h</sup> 10  | 16 <sup>m</sup> R17  | 15 <sup>s</sup> II39 | 14 <sup>o</sup> Ω55 | n.a. |   |
| M 2  | 10 9 57  | 4 <sup>h</sup> 40'21  | 10 <sup>m</sup> 11   | 19 <sup>s</sup> 33  | 29 <sup>o</sup> 9  | 12 <sup>h</sup> 11 | 17 <sup>m</sup> 12  | 6 <sup>s</sup> 24   | 2 <sup>o</sup> M45 | 29 <sup>o</sup> 9  | 25 <sup>h</sup> 12  | 16 <sup>m</sup> II 6 | 15 <sup>s</sup> °36  | 15 <sup>o</sup> 1   | n.a. |   |
| T 3  | 10 13 53 | 5 <sup>h</sup> 39'17  | 25 <sup>m</sup> 16   | 21 <sup>s</sup> 20  | 0 <sup>o</sup> 21  | 12 <sup>h</sup> 56 | 17 <sup>m</sup> 26  | 6 <sup>s</sup> 31   | 2 <sup>o</sup> 44  | 29 <sup>o</sup> 11 | 25 <sup>h</sup> 13  | 15 <sup>s</sup> °55  | 15 <sup>o</sup> 33   | 15 <sup>o</sup> 8   | n.a. |   |
| W 4  | 10 17 50 | 6 <sup>h</sup> 38'11  | 10 <sup>m</sup> Y 1  | 23 <sup>s</sup> 9   | 1 <sup>o</sup> 33  | 13 <sup>h</sup> 41 | 17 <sup>m</sup> 41  | 6 <sup>s</sup> 38   | 2 <sup>o</sup> 43  | 29 <sup>o</sup> 13 | 25 <sup>h</sup> 14  | 15 <sup>s</sup> °45  | 15 <sup>o</sup> 29   | 15 <sup>o</sup> 15  | n.a. |   |
| T 5  | 10 21 46 | 7 <sup>h</sup> 37'03  | 24 <sup>m</sup> 20   | 24 <sup>s</sup> 59  | 2 <sup>o</sup> 45  | 14 <sup>h</sup> 25 | 17 <sup>m</sup> 55  | 6 <sup>s</sup> 45   | 2 <sup>o</sup> 42  | 29 <sup>o</sup> 15 | 25 <sup>h</sup> 16  | 15 <sup>s</sup> °38  | 15 <sup>o</sup> 26   | 15 <sup>o</sup> 22  | n.a. |   |
| F 6  | 10 25 43 | 8 <sup>h</sup> 35'52  | 8 <sup>m</sup> 8     | 26 <sup>s</sup> 50  | 3 <sup>o</sup> 57  | 15 <sup>h</sup> 10 | 18 <sup>m</sup> 9   | 6 <sup>s</sup> 52   | 2 <sup>o</sup> 41  | 29 <sup>o</sup> 17 | 25 <sup>h</sup> 17  | 15 <sup>s</sup> °32  | 15 <sup>o</sup> 23   | 15 <sup>o</sup> 28  | n.a. |   |
| S 7  | 10 29 39 | 9 <sup>h</sup> 34'39  | 21 <sup>m</sup> 28   | 28 <sup>s</sup> 43  | 5 <sup>o</sup> 9   | 15 <sup>h</sup> 54 | 18 <sup>m</sup> 23  | 7 <sup>s</sup> 0    | 2 <sup>o</sup> 40  | 29 <sup>o</sup> 19 | 25 <sup>h</sup> 18  | 15 <sup>s</sup> °30  | 15 <sup>o</sup> 20   | 15 <sup>o</sup> 35  | n.a. |   |
| S 8  | 10 33 36 | 10 <sup>h</sup> 33'24 | 4 <sup>m</sup> II21  | 0 <sup>s</sup> X38  | 6 <sup>o</sup> 20  | 16 <sup>h</sup> 39 | 18 <sup>m</sup> 38  | 7 <sup>s</sup> 7    | 2 <sup>o</sup> 39  | 29 <sup>o</sup> 20 | 25 <sup>h</sup> 20  | 15 <sup>s</sup> °29  | 15 <sup>o</sup> 17   | 15 <sup>o</sup> 42  | n.a. |   |
| M 9  | 10 37 32 | 11 <sup>h</sup> 32'06 | 16 <sup>m</sup> 50   | 2 <sup>s</sup> 34   | 7 <sup>o</sup> 32  | 17 <sup>h</sup> 23 | 18 <sup>m</sup> 52  | 7 <sup>s</sup> 14   | 2 <sup>o</sup> 37  | 29 <sup>o</sup> 22 | 25 <sup>h</sup> 21  | 15 <sup>s</sup> °29  | 15 <sup>o</sup> 14   | 15 <sup>o</sup> 48  | n.a. |   |
| T 10 | 10 41 29 | 12 <sup>h</sup> 30'46 | 29 <sup>m</sup> 3    | 4 <sup>s</sup> 31   | 8 <sup>o</sup> 44  | 18 <sup>h</sup> 8  | 19 <sup>m</sup> 6   | 7 <sup>s</sup> 22   | 2 <sup>o</sup> 36  | 29 <sup>o</sup> 24 | 25 <sup>h</sup> 22  | 15 <sup>s</sup> °28  | 15 <sup>o</sup> 10   | 15 <sup>o</sup> 55  | n.a. |   |
| W11  | 10 45 25 | 13 <sup>h</sup> 29'24 | 11 <sup>m</sup> Ω 3  | 6 <sup>s</sup> 30   | 9 <sup>o</sup> 56  | 18 <sup>h</sup> 52 | 19 <sup>m</sup> 20  | 7 <sup>s</sup> 29   | 2 <sup>o</sup> 35  | 29 <sup>o</sup> 26 | 25 <sup>h</sup> 24  | 15 <sup>s</sup> °27  | 15 <sup>o</sup> 7    | 16 <sup>o</sup> 2   | n.a. |   |
| T 12 | 10 49 22 | 14 <sup>h</sup> 27'59 | 22 <sup>m</sup> 55   | 8 <sup>s</sup> 30   | 11 <sup>o</sup> 8  | 19 <sup>h</sup> 36 | 19 <sup>m</sup> 35  | 7 <sup>s</sup> 37   | 2 <sup>o</sup> 33  | 29 <sup>o</sup> 28 | 25 <sup>h</sup> 25  | 15 <sup>s</sup> °22  | 15 <sup>o</sup> 4    | 16 <sup>o</sup> 8   | n.a. |   |
| F 13 | 10 53 19 | 15 <sup>h</sup> 26'32 | 4 <sup>m</sup> Ω45   | 10 <sup>s</sup> 31  | 12 <sup>o</sup> 20 | 20 <sup>h</sup> 21 | 19 <sup>m</sup> 49  | 7 <sup>s</sup> 44   | 2 <sup>o</sup> 32  | 29 <sup>o</sup> 29 | 25 <sup>h</sup> 26  | 15 <sup>s</sup> °15  | 15 <sup>o</sup> 1    | 16 <sup>o</sup> 15  | n.a. |   |
| S 14 | 10 57 15 | 16 <sup>h</sup> 25'03 | 16 <sup>m</sup> 35   | 12 <sup>s</sup> 34  | 13 <sup>o</sup> 32 | 21 <sup>h</sup> 5  | 20 <sup>m</sup> 3   | 7 <sup>s</sup> 52   | 2 <sup>o</sup> 31  | 29 <sup>o</sup> 31 | 25 <sup>h</sup> 28  | 15 <sup>s</sup> ° 6  | 14 <sup>o</sup> 58   | 16 <sup>o</sup> 22  | n.a. |   |
| S 15 | 11 1 12  | 17 <sup>h</sup> 23'32 | 28 <sup>m</sup> 28   | 14 <sup>s</sup> 38  | 14 <sup>o</sup> 44 | 21 <sup>h</sup> 49 | 20 <sup>m</sup> 18  | 7 <sup>s</sup> 59   | 2 <sup>o</sup> 29  | 29 <sup>o</sup> 33 | 25 <sup>h</sup> 29  | 14 <sup>s</sup> °54  | 14 <sup>o</sup> 55   | 16 <sup>o</sup> 29  | n.a. |   |
| M16  | 11 5 8   | 18 <sup>h</sup> 21'58 | 10 <sup>m</sup> II27 | 16 <sup>s</sup> 43  | 15 <sup>o</sup> 56 | 22 <sup>h</sup> 33 | 20 <sup>m</sup> 32  | 8 <sup>s</sup> 7    | 2 <sup>o</sup> 28  | 29 <sup>o</sup> 34 | 25 <sup>h</sup> 30  | 14 <sup>s</sup> °40  | 14 <sup>o</sup> 51   | 16 <sup>o</sup> 35  | n.a. |   |
| T 17 | 11 9 5   | 19 <sup>h</sup> 20'23 | 22 <sup>m</sup> 32   | 18 <sup>s</sup> 49  | 17 <sup>o</sup> 8  | 23 <sup>h</sup> 17 | 20 <sup>m</sup> 46  | 8 <sup>s</sup> 14   | 2 <sup>o</sup> 26  | 29 <sup>o</sup> 36 | 25 <sup>h</sup> 32  | 14 <sup>s</sup> °26  | 14 <sup>o</sup> 48   | 16 <sup>o</sup> 42  | n.a. |   |
| W18  | 11 13 1  | 20 <sup>h</sup> 18'45 | 4 <sup>m</sup> Ω44   | 20 <sup>s</sup> 56  | 18 <sup>o</sup> 21 | 24 <sup>h</sup> 1  | 21 <sup>m</sup> 1   | 8 <sup>s</sup> 22   | 2 <sup>o</sup> 25  | 29 <sup>o</sup> 38 | 25 <sup>h</sup> 33  | 14 <sup>s</sup> °13  | 14 <sup>o</sup> 45   | 16 <sup>o</sup> 49  | n.a. |   |
| T 19 | 11 16 58 | 21 <sup>h</sup> 17'06 | 17 <sup>m</sup> 6    | 23 <sup>s</sup> 3   | 19 <sup>o</sup> 33 | 24 <sup>h</sup> 45 | 21 <sup>m</sup> 15  | 8 <sup>s</sup> 29   | 2 <sup>o</sup> 23  | 29 <sup>o</sup> 39 | 25 <sup>h</sup> 35  | 14 <sup>s</sup> ° 1  | 14 <sup>o</sup> 42   | 16 <sup>o</sup> 55  | n.a. |   |
| F 20 | 11 20 54 | 22 <sup>h</sup> 15'25 | 29 <sup>m</sup> 36   | 25 <sup>s</sup> 11  | 20 <sup>o</sup> 45 | 25 <sup>h</sup> 29 | 21 <sup>m</sup> 29  | 8 <sup>s</sup> 37   | 2 <sup>o</sup> 21  | 29 <sup>o</sup> 41 | 25 <sup>h</sup> 36  | 13 <sup>s</sup> °52  | 14 <sup>o</sup> 39   | 17 <sup>o</sup> 2   | n.a. |   |
| S 21 | 11 24 51 | 23 <sup>h</sup> 13'42 | 12 <sup>m</sup> II17 | 27 <sup>s</sup> 19  | 21 <sup>o</sup> 57 | 26 <sup>h</sup> 13 | 21 <sup>m</sup> 43  | 8 <sup>s</sup> 45   | 2 <sup>o</sup> 20  | 29 <sup>o</sup> 42 | 25 <sup>h</sup> 37  | 13 <sup>s</sup> °46  | 14 <sup>o</sup> 35   | 17 <sup>o</sup> 9   | n.a. |   |
| S 22 | 11 28 48 | 24 <sup>h</sup> 11'57 | 25 <sup>m</sup> 11   | 29 <sup>s</sup> 27  | 23 <sup>o</sup> 9  | 26 <sup>h</sup> 56 | 21 <sup>m</sup> 58  | 8 <sup>s</sup> 52   | 2 <sup>o</sup> 18  | 29 <sup>o</sup> 44 | 25 <sup>h</sup> 39  | 13 <sup>s</sup> °43  | 14 <sup>o</sup> 32   | 17 <sup>o</sup> 16  | n.a. |   |
| M23  | 11 32 44 | 25 <sup>h</sup> 10'11 | 8 <sup>m</sup> X20   | 1 <sup>s</sup> Y35  | 24 <sup>o</sup> 21 | 27 <sup>h</sup> 40 | 22 <sup>m</sup> 12  | 9 <sup>s</sup> 0    | 2 <sup>o</sup> 16  | 29 <sup>o</sup> 45 | 25 <sup>h</sup> 40  | 13 <sup>s</sup> D42  | 14 <sup>o</sup> 29   | 17 <sup>o</sup> 22  | n.a. |   |
| T 24 | 11 36 41 | 26 <sup>h</sup> 8'23  | 21 <sup>m</sup> 45   | 3 <sup>s</sup> 41   | 25 <sup>o</sup> 34 | 28 <sup>h</sup> 24 | 22 <sup>m</sup> 26  | 9 <sup>s</sup> 8    | 2 <sup>o</sup> 14  | 29 <sup>o</sup> 47 | 25 <sup>h</sup> 42  | 13 <sup>s</sup> R42  | 14 <sup>o</sup> 26   | 17 <sup>o</sup> 29  | n.a. |   |
| W25  | 11 40 37 | 27 <sup>h</sup> 6'34  | 5 <sup>m</sup> Ω31   | 5 <sup>s</sup> 47   | 26 <sup>o</sup> 46 | 29 <sup>h</sup> 8  | 22 <sup>m</sup> 41  | 9 <sup>s</sup> 16   | 2 <sup>o</sup> 12  | 29 <sup>o</sup> 48 | 25 <sup>h</sup> 43  | 13 <sup>s</sup> °42  | 14 <sup>o</sup> 23   | 17 <sup>o</sup> 36  | n.a. |   |
| T 26 | 11 44 34 | 28 <sup>h</sup> 4'43  | 19 <sup>m</sup> 36   | 7 <sup>s</sup> 52   | 27 <sup>o</sup> 58 | 29 <sup>h</sup> 51 | 22 <sup>m</sup> 55  | 9 <sup>s</sup> 23   | 2 <sup>o</sup> 10  | 29 <sup>o</sup> 50 | 25 <sup>h</sup> 44  | 13 <sup>s</sup> °40  | 14 <sup>o</sup> 20   | 17 <sup>o</sup> 42  | n.a. |   |
| F 27 | 11 48 30 | 29 <sup>h</sup> 2'51  | 4 <sup>m</sup> Ω 3   | 9 <sup>s</sup> 55   | 29 <sup>o</sup> 10 | 0 <sup>s</sup> Y35 | 23 <sup>o</sup> 9   | 9 <sup>s</sup> 31   | 2 <sup>o</sup> 9   | 29 <sup>o</sup> 51 | 25 <sup>h</sup> 46  | 13 <sup>s</sup> °37  | 14 <sup>o</sup> 16   | 17 <sup>o</sup> 49  | n.a. |   |
| S 28 | 11 52 27 | 0 <sup>s</sup> Y 0'57 | 18 <sup>m</sup> 46   | 11 <sup>s</sup> 56  | 0 <sup>s</sup> X23 | 1 <sup>o</sup> 18  | 23 <sup>o</sup> 24  | 9 <sup>s</sup> 39   | 2 <sup>o</sup> 7   | 29 <sup>o</sup> 52 | 25 <sup>h</sup> 47  | 13 <sup>s</sup> °30  | 14 <sup>o</sup> 13   | 17 <sup>o</sup> 56  | n.a. |   |
| S 29 | 11 56 23 | 0 <sup>h</sup> 59'01  | 3 <sup>m</sup> X41   | 13 <sup>s</sup> 55  | 1 <sup>o</sup> 35  | 2 <sup>o</sup> 2   | 23 <sup>o</sup> 38  | 9 <sup>s</sup> 47   | 2 <sup>o</sup> 5   | 29 <sup>o</sup> 54 | 25 <sup>h</sup> 49  | 13 <sup>s</sup> °22  | 14 <sup>o</sup> 10   | 18 <sup>o</sup> 2   | n.a. |   |
| M30  | 12 0 20  | 1 <sup>h</sup> 57'04  | 18 <sup>m</sup> 40   | 15 <sup>s</sup> 52  | 2 <sup>o</sup> 47  | 2 <sup>o</sup> 45  | 23 <sup>o</sup> 52  | 9 <sup>s</sup> 55   | 2 <sup>o</sup> 3   | 29 <sup>o</sup> 55 | 25 <sup>h</sup> 50  | 13 <sup>s</sup> °12  | 14 <sup>o</sup> 7    | 18 <sup>o</sup> 9   | n.a. |   |
| T 31 | 12 4 17  | 2 <sup>h</sup> Y55'05 | 3 <sup>m</sup> Y33   | 17 <sup>s</sup> Y46 | 4 <sup>s</sup> X 0 | 3 <sup>s</sup> Y28 | 24 <sup>s</sup> X 6 | 10 <sup>s</sup> Y 2 | 2 <sup>o</sup> M 1 | 29 <sup>o</sup> 56 | 25 <sup>h</sup> X51 | 13 <sup>s</sup> II 1 | 14 <sup>s</sup> II 4 | 18 <sup>s</sup> Ω16 | n.a. |   |

Delta T = 05h21m02s Julian Calendar 1 March 623 BCE == Greg. Calendar 22 Feb. 623 BCE

The year -622 astronomical counting style corresponds to year 623 B.C.E historical counting style.

APRIL 623 BCE (-622) JC

00:00 UT

| Day  | Sid.t    | ☉                     | ☽                    | ♀                   | ♁                  | ♂                  | ♃                    | ♅                   | ♁                  | ♁                  | ♁                   | ♁                    | ♁                    | ♁                   | ♁    | ♁ |
|------|----------|-----------------------|----------------------|---------------------|--------------------|--------------------|----------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|---------------------|------|---|
| W 1  | 12 8 13  | 3 <sup>h</sup> Y53'04 | 18 <sup>m</sup> Y11  | 19 <sup>s</sup> Y37 | 5 <sup>h</sup> X12 | 4 <sup>s</sup> Y12 | 24 <sup>h</sup> X20  | 10 <sup>s</sup> Y10 | 1 <sup>o</sup> R58 | 29 <sup>o</sup> 57 | 25 <sup>h</sup> X53 | 12 <sup>m</sup> R52  | 14 <sup>s</sup> II 0 | 18 <sup>o</sup> Ω23 | n.a. |   |
| T 2  | 12 12 10 | 4 <sup>h</sup> 51'01  | 2 <sup>m</sup> Ω27   | 21 <sup>s</sup> 25  | 6 <sup>o</sup> 24  | 4 <sup>h</sup> 55  | 24 <sup>m</sup> 35   | 10 <sup>s</sup> 18  | 1 <sup>o</sup> M56 | 29 <sup>o</sup> 59 | 25 <sup>h</sup> 54  | 12 <sup>m</sup> II44 | 13 <sup>s</sup> °57  | 18 <sup>o</sup> 29  | n.a. |   |
| F 3  | 12 16 6  | 5 <sup>h</sup> 48'57  | 16 <sup>m</sup> 17   | 23 <sup>s</sup> 9   | 7 <sup>o</sup> 37  | 5 <sup>h</sup> 38  | 24 <sup>m</sup> 49   | 10 <sup>s</sup> 26  | 1 <sup>o</sup> 54  | 0 <sup>o</sup> Ω 0 | 25 <sup>h</sup> 55  | 12 <sup>m</sup> °39  | 13 <sup>s</sup> °54  | 18 <sup>o</sup> 36  | n.a. |   |
| S 4  | 12 20 3  | 6 <sup>h</sup> 46'51  | 29 <sup>m</sup> 40   | 24 <sup>s</sup> 51  | 8 <sup>o</sup> 49  | 6 <sup>h</sup> 21  | 25 <sup>m</sup> 3    | 10 <sup>s</sup> 34  | 1 <sup>o</sup> 52  | 0 <sup>o</sup> 1   | 25 <sup>h</sup> 57  | 12 <sup>m</sup> °36  | 13 <sup>s</sup> °51  | 18 <sup>o</sup> 43  | n.a. |   |
| S 5  | 12 23 59 | 7 <sup>h</sup> 44'43  | 12 <sup>m</sup> II36 | 26 <sup>s</sup> 29  | 10 <sup>o</sup> 2  | 7 <sup>h</sup> 4   | 25 <sup>m</sup> 17   | 10 <sup>s</sup> 42  | 1 <sup>o</sup> 50  | 0 <sup>o</sup> 2   | 25 <sup>h</sup> 58  | 12 <sup>m</sup> D36  | 13 <sup>s</sup> °48  | 18 <sup>o</sup> 49  | n.a. |   |
| M 6  | 12 27 56 | 8 <sup>h</sup> 42'33  | 25 <sup>m</sup> 10   | 28 <sup>s</sup> 3   | 11 <sup>o</sup> 14 | 7 <sup>h</sup> 47  | 25 <sup>m</sup> 31   | 10 <sup>s</sup> 49  | 1 <sup>o</sup> 48  | 0 <sup>o</sup> 3   | 26 <sup>o</sup> 0   | 12 <sup>m</sup> °36  | 13 <sup>s</sup> °45  | 18 <sup>o</sup> 56  | n.a. |   |
| T 7  | 12 31 52 | 9 <sup>h</sup> 40'22  | 7 <sup>m</sup> Ω25   | 29 <sup>s</sup> 34  | 12 <sup>o</sup> 26 | 8 <sup>h</sup> 30  | 25 <sup>m</sup> 45   | 10 <sup>s</sup> 57  | 1 <sup>o</sup> 45  | 0 <sup>o</sup> 4   | 26 <sup>o</sup> 1   | 12 <sup>m</sup> R37  | 13 <sup>s</sup> °41  | 19 <sup>o</sup> 3   | n.a. |   |
| W 8  | 12 35 49 | 10 <sup>h</sup> 38'08 | 19 <sup>m</sup> 27   | 1 <sup>s</sup> Ω 1  | 13 <sup>o</sup> 39 | 9 <sup>h</sup> 13  | 25 <sup>m</sup> 59   | 11 <sup>s</sup> 5   | 1 <sup>o</sup> 43  | 0 <sup>o</sup> 5   | 26 <sup>o</sup> 2   | 12 <sup>m</sup> °36  | 13 <sup>s</sup> °38  | 19 <sup>o</sup> 10  | n.a. |   |
| T 9  | 12 39 46 | 11 <sup>h</sup> 35'53 | 1 <sup>m</sup> Ω21   | 2 <sup>s</sup> 24   | 14 <sup>o</sup> 51 | 9 <sup>h</sup> 56  | 26 <sup>m</sup> 13   | 11 <sup>s</sup> 13  | 1 <sup>o</sup> 41  | 0 <sup>o</sup> 6   | 26 <sup>o</sup> 4   | 12 <sup>m</sup> °34  | 13 <sup>s</sup> °35  | 19 <sup>o</sup> 16  | n.a. |   |
| F 10 | 12 43 42 | 12 <sup>h</sup> 33'36 | 13 <sup>m</sup> 11   | 3 <sup>s</sup> 44   | 16 <sup>o</sup> 4  | 10 <sup>h</sup> 39 | 26 <sup>m</sup> 27   | 11 <sup>s</sup> 21  | 1 <sup>o</sup> 39  | 0 <sup>o</sup> 7   | 26 <sup>o</sup> 5   | 12 <sup>m</sup> °30  | 13 <sup>s</sup> °32  | 19 <sup>o</sup> 23  | n.a. |   |
| S 11 | 12 47 39 | 13 <sup>h</sup> 31'17 | 25 <sup>m</sup> 3    | 4 <sup>s</sup> 59   | 17 <sup>o</sup> 16 | 11 <sup>h</sup> 21 | 26 <sup>m</sup> 41   | 11 <sup>s</sup> 29  | 1 <sup>o</sup> 36  | 0 <sup>o</sup> 8   | 26 <sup>o</sup> 6   | 12 <sup>m</sup> °23  | 13 <sup>s</sup> °29  | 19 <sup>o</sup> 30  | n.a. |   |
| S 12 | 12 51 35 | 14 <sup>h</sup> 28'56 | 7 <sup>m</sup> Ω 0   | 6 <sup>s</sup> 10   | 18 <sup>o</sup> 29 | 12 <sup>h</sup> 4  | 26 <sup>m</sup> 55   | 11 <sup>s</sup> 37  | 1 <sup>o</sup> 34  | 0 <sup>o</sup> 9   | 26 <sup>o</sup> 8   | 12 <sup>m</sup> °15  | 13 <sup>s</sup> °26  | 19 <sup>o</sup> 36  | n.a. |   |
| M13  | 12 55 32 | 15 <sup>h</sup> 26'34 | 19 <sup>m</sup> 5    | 7 <sup>s</sup> 18   | 19 <sup>o</sup> 41 | 12 <sup>h</sup> 47 | 27 <sup>m</sup> 9    | 11 <sup>s</sup> 45  | 1 <sup>o</sup> 32  | 0 <sup>o</sup> 10  | 26 <sup>o</sup> 9   | 12 <sup>m</sup> ° 5  | 13 <sup>s</sup> °22  | 19 <sup>o</sup> 43  | n.a. |   |
| T 14 | 12 59 28 | 16 <sup>h</sup> 24'10 | 1 <sup>m</sup> Ω19   | 8 <sup>s</sup> 21   | 20 <sup>o</sup> 54 | 13 <sup>h</sup> 29 | 27 <sup>m</sup> 23   | 11 <sup>s</sup> 52  | 1 <sup>o</sup> 29  | 0 <sup>o</sup> 11  | 26 <sup>o</sup> 10  | 11 <sup>s</sup> °54  | 13 <sup>s</sup> °19  | 19 <sup>o</sup> 50  | n.a. |   |
| W15  | 13 3 25  | 17 <sup>h</sup> 21'45 | 13 <sup>m</sup> 44   | 9 <sup>s</sup> 20   | 22 <sup>o</sup> 6  | 14 <sup>h</sup> 12 | 27 <sup>m</sup> 37   | 12 <sup>s</sup> 0   | 1 <sup>o</sup> 27  | 0 <sup>o</sup> 12  | 26 <sup>o</sup> 12  | 11 <sup>s</sup> °45  | 13 <sup>s</sup> °16  | 19 <sup>o</sup> 57  | n.a. |   |
| T 16 | 13 7 21  | 18 <sup>h</sup> 19'19 | 26 <sup>m</sup> 20   | 10 <sup>s</sup> 15  | 23 <sup>o</sup> 19 | 14 <sup>h</sup> 54 | 27 <sup>m</sup> 51   | 12 <sup>s</sup> 8   | 1 <sup>o</sup> 25  | 0 <sup>o</sup> 13  | 26 <sup>o</sup> 13  | 11 <sup>s</sup> °36  | 13 <sup>s</sup> °13  | 20 <sup>o</sup> 3   | n.a. |   |
| F 17 | 13 11 18 | 19 <sup>h</sup> 16'51 | 9 <sup>m</sup> II 8  | 11 <sup>s</sup> 6   | 24 <sup>o</sup> 31 | 15 <sup>h</sup> 37 | 28 <sup>m</sup> 5    | 12 <sup>s</sup> 16  | 1 <sup>o</sup> 22  | 0 <sup>o</sup> 13  | 26 <sup>o</sup> 14  | 11 <sup>s</sup> °30  | 13 <sup>s</sup> °10  | 20 <sup>o</sup> 10  | n.a. |   |
| S 18 | 13 15 14 | 20 <sup>h</sup> 14'22 | 22 <sup>m</sup> 7    | 11 <sup>s</sup> 52  | 25 <sup>o</sup> 44 | 16 <sup>h</sup> 19 | 28 <sup>m</sup> 18   | 12 <sup>s</sup> 24  | 1 <sup>o</sup> 20  | 0 <sup>o</sup> 14  | 26 <sup>o</sup> 15  | 11 <sup>s</sup> °26  | 13 <sup>s</sup> ° 6  | 20 <sup>o</sup> 17  | n.a. |   |
| S 19 | 13 19 11 | 21 <sup>h</sup> 11'52 | 5 <sup>m</sup> X19   | 12 <sup>s</sup> 34  | 26 <sup>o</sup> 57 | 17 <sup>h</sup> 2  | 28 <sup>m</sup> 32</ |                     |                    |                    |                     |                      |                      |                     |      |   |

SWISS EPHEMERIS for the year 623 BCE

MAY 623 BCE (-622) JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♁     | ♂     | ♃    | ♄     | ♅     | ♆     | ♇     | ♈      | ♉     | ♊     | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|--------|-------|-------|------|-------|-------|-------|-------|--------|-------|-------|------|---|---|---|---|---|---|---|---|
| F 1  | 14 6 30  | 28♂40'40 | 24♂21 | 15°R 0 | 11♂29 | 25♂26 | 1°14 | 14♂4  | 0°R48 | 0♂21  | 26♂31 | 10°R51 | 12♂25 | 21♂44 | n.a. |   |   |   |   |   |   |   |   |
| S 2  | 14 10 26 | 3°37'58  | 7♂38  | 14♂43  | 12°42 | 26° 7 | 1°27 | 14°12 | 0♂45  | 0°21  | 26°33 | 10°D50 | 12°22 | 21°51 | n.a. |   |   |   |   |   |   |   |   |
| S 3  | 14 14 23 | 4°35'16  | 20°33 | 14°23  | 13°55 | 26°49 | 1°40 | 14°19 | 0°43  | 0°21  | 26°34 | 10♂50  | 12°19 | 21°57 | n.a. |   |   |   |   |   |   |   |   |
| M 4  | 14 18 19 | 5°32'32  | 3♂7   | 14° 0  | 15° 8 | 27°31 | 1°53 | 14°27 | 0°40  | 0°22  | 26°35 | 10°51  | 12°16 | 22° 4 | n.a. |   |   |   |   |   |   |   |   |
| T 5  | 14 22 16 | 6°29'47  | 15°24 | 13°33  | 16°20 | 28°12 | 2° 6 | 14°34 | 0°38  | 0°22  | 26°36 | 10°53  | 12°12 | 22°11 | n.a. |   |   |   |   |   |   |   |   |
| W 6  | 14 26 12 | 7°27'01  | 27°28 | 13° 4  | 17°33 | 28°54 | 2°19 | 14°42 | 0°35  | 0°22  | 26°37 | 10°54  | 12° 9 | 22°18 | n.a. |   |   |   |   |   |   |   |   |
| T 7  | 14 30 9  | 8°24'14  | 9♂24  | 12°33  | 18°46 | 29°35 | 2°32 | 14°49 | 0°33  | 0°22  | 26°38 | 10°R55 | 12° 6 | 22°24 | n.a. |   |   |   |   |   |   |   |   |
| F 8  | 14 34 6  | 9°21'26  | 21°17 | 12° 1  | 19°59 | 0♂17  | 2°44 | 14°57 | 0°30  | 0°22  | 26°39 | 10°54  | 12° 3 | 22°31 | n.a. |   |   |   |   |   |   |   |   |
| S 9  | 14 38 2  | 10°18'38 | 3♂11  | 11°27  | 21°12 | 0°58  | 2°57 | 15° 4 | 0°28  | 0°22  | 26°40 | 10°52  | 12° 0 | 22°38 | n.a. |   |   |   |   |   |   |   |   |
| S 10 | 14 41 59 | 11°15'48 | 15°11 | 10°53  | 22°25 | 1°39  | 3°10 | 15°11 | 0°25  | 0°R22 | 26°41 | 10°49  | 11°57 | 22°44 | n.a. |   |   |   |   |   |   |   |   |
| M11  | 14 45 55 | 12°12'57 | 27°20 | 10°20  | 23°38 | 2°21  | 3°22 | 15°19 | 0°23  | 0°22  | 26°42 | 10°45  | 11°53 | 22°51 | n.a. |   |   |   |   |   |   |   |   |
| T 12 | 14 49 52 | 13°10'06 | 9♂41  | 9°47   | 24°51 | 3° 2  | 3°35 | 15°26 | 0°21  | 0°22  | 26°43 | 10°40  | 11°50 | 22°58 | n.a. |   |   |   |   |   |   |   |   |
| W13  | 14 53 48 | 14° 7'14 | 22°17 | 9°16   | 26° 4 | 3°43  | 3°47 | 15°33 | 0°18  | 0°22  | 26°44 | 10°36  | 11°47 | 23° 5 | n.a. |   |   |   |   |   |   |   |   |
| T 14 | 14 57 45 | 15° 4'21 | 5♂8   | 8°46   | 27°17 | 4°24  | 4° 0 | 15°41 | 0°16  | 0°22  | 26°45 | 10°32  | 11°44 | 23°11 | n.a. |   |   |   |   |   |   |   |   |
| F 15 | 15 1 41  | 16° 1'28 | 18°15 | 8°19   | 28°30 | 5° 5  | 4°12 | 15°48 | 0°13  | 0°22  | 26°46 | 10°30  | 11°41 | 23°18 | n.a. |   |   |   |   |   |   |   |   |
| S 16 | 15 5 38  | 16°58'35 | 1♂37  | 7°55   | 29°43 | 5°46  | 4°24 | 15°55 | 0°11  | 0°22  | 26°47 | 10°28  | 11°37 | 23°25 | n.a. |   |   |   |   |   |   |   |   |
| S 17 | 15 9 35  | 17°55'41 | 15°12 | 7°34   | 0♂56  | 6°27  | 4°37 | 16° 2 | 0° 9  | 0°22  | 26°48 | 10°D28 | 11°34 | 23°31 | n.a. |   |   |   |   |   |   |   |   |
| M18  | 15 13 31 | 18°52'47 | 28°59 | 7°16   | 2° 9  | 7° 8  | 4°49 | 16° 9 | 0° 6  | 0°21  | 26°49 | 10°29  | 11°31 | 23°38 | n.a. |   |   |   |   |   |   |   |   |
| T 19 | 15 17 28 | 19°49'53 | 12♂55 | 7° 3   | 3°22  | 7°49  | 5° 1 | 16°16 | 0° 4  | 0°21  | 26°50 | 10°30  | 11°28 | 23°45 | n.a. |   |   |   |   |   |   |   |   |
| W20  | 15 21 24 | 20°46'59 | 27° 0 | 6°54   | 4°35  | 8°30  | 5°13 | 16°23 | 0° 2  | 0°21  | 26°51 | 10°31  | 11°25 | 23°52 | n.a. |   |   |   |   |   |   |   |   |
| T 21 | 15 25 21 | 21°44'05 | 11♂10 | 6°49   | 5°48  | 9°11  | 5°25 | 16°30 | 0° 0  | 0°20  | 26°52 | 10°32  | 11°22 | 23°58 | n.a. |   |   |   |   |   |   |   |   |
| F 22 | 15 29 17 | 22°41'10 | 25°23 | 6°D48  | 7° 1  | 9°51  | 5°36 | 16°37 | 29♂57 | 0°20  | 26°53 | 10°R33 | 11°18 | 24° 5 | n.a. |   |   |   |   |   |   |   |   |
| S 23 | 15 33 14 | 23°38'16 | 9♂38  | 6°53   | 8°14  | 10°32 | 5°48 | 16°44 | 29°55 | 0°20  | 26°54 | 10°32  | 11°15 | 24°12 | n.a. |   |   |   |   |   |   |   |   |
| S 24 | 15 37 10 | 24°35'22 | 23°51 | 7° 2   | 9°27  | 11°13 | 6° 0 | 16°51 | 29°53 | 0°19  | 26°54 | 10°31  | 11°12 | 24°18 | n.a. |   |   |   |   |   |   |   |   |
| M25  | 15 41 7  | 25°32'29 | 8♂0   | 7°16   | 10°41 | 11°53 | 6°11 | 16°57 | 29°51 | 0°19  | 26°55 | 10°29  | 11° 9 | 24°25 | n.a. |   |   |   |   |   |   |   |   |
| T 26 | 15 45 4  | 26°29'35 | 22° 0 | 7°35   | 11°54 | 12°34 | 6°23 | 17° 4 | 29°49 | 0°18  | 26°56 | 10°27  | 11° 6 | 24°32 | n.a. |   |   |   |   |   |   |   |   |
| W27  | 15 49 0  | 27°26'41 | 5♂50  | 7°58   | 13° 7 | 13°14 | 6°34 | 17°11 | 29°47 | 0°18  | 26°57 | 10°26  | 11° 3 | 24°39 | n.a. |   |   |   |   |   |   |   |   |
| T 28 | 15 52 57 | 28°23'48 | 19°26 | 8°27   | 14°20 | 13°55 | 6°46 | 17°17 | 29°45 | 0°17  | 26°58 | 10°24  | 10°59 | 24°45 | n.a. |   |   |   |   |   |   |   |   |
| F 29 | 15 56 53 | 29°20'54 | 2♂46  | 9° 0   | 15°33 | 14°35 | 6°57 | 17°24 | 29°42 | 0°17  | 26°58 | 10°24  | 10°56 | 24°52 | n.a. |   |   |   |   |   |   |   |   |
| S 30 | 16 0 50  | 0♂18'01  | 15°49 | 9°38   | 16°47 | 15°16 | 7° 8 | 17°30 | 29°40 | 0°16  | 26°59 | 10°D24 | 10°53 | 24°59 | n.a. |   |   |   |   |   |   |   |   |
| S 31 | 16 4 46  | 1♂15'08  | 28♂35 | 10♂20  | 18♂0  | 15♂56 | 7♂19 | 17♂37 | 29♂38 | 0♂16  | 27♂0  | 10♂24  | 10♂50 | 25♂05 | n.a. |   |   |   |   |   |   |   |   |

Delta T = 05h20m59s Julian Calendar 1 May 623 BCE == Greg. Calendar 24 Apr. 623 BCE  
 The year -622 astronomical counting style corresponds to year 623 B.C.E historical counting style.

JUNE 623 BCE (-622) JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♄     | ♅      | ♆     | ♇     | ♈      | ♉     | ♊     | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|------|---|---|---|---|---|---|---|---|
| M 1  | 16 8 43  | 2♂12'14  | 11♂4  | 11♂7  | 19♂13 | 16♂36 | 7♂30  | 17♂43 | 29°R36 | 0°R15 | 27♂0  | 10♂25  | 10♂47 | 25♂12 | n.a. |   |   |   |   |   |   |   |   |
| T 2  | 16 12 39 | 3° 9'21  | 23°19 | 11°59 | 20°27 | 17°17 | 7°41  | 17°50 | 29♂35  | 0♂14  | 27° 1 | 10°26  | 10°43 | 25°19 | n.a. |   |   |   |   |   |   |   |   |
| W 3  | 16 16 36 | 4° 6'28  | 5♂23  | 12°55 | 21°40 | 17°57 | 7°52  | 17°56 | 29°33  | 0°14  | 27° 2 | 10°26  | 10°40 | 25°26 | n.a. |   |   |   |   |   |   |   |   |
| T 4  | 16 20 33 | 5° 3'34  | 17°20 | 13°56 | 22°53 | 18°37 | 8° 2  | 18° 2 | 29°31  | 0°13  | 27° 2 | 10°27  | 10°37 | 25°32 | n.a. |   |   |   |   |   |   |   |   |
| F 5  | 16 24 29 | 6° 0'41  | 29°13 | 15° 1 | 24° 7 | 19°17 | 8°13  | 18° 8 | 29°29  | 0°12  | 27° 3 | 10°27  | 10°34 | 25°39 | n.a. |   |   |   |   |   |   |   |   |
| S 6  | 16 28 26 | 6°57'47  | 11♂7  | 16°10 | 25°20 | 19°57 | 8°23  | 18°14 | 29°27  | 0°11  | 27° 4 | 10°R27 | 10°31 | 25°46 | n.a. |   |   |   |   |   |   |   |   |
| S 7  | 16 32 22 | 7°54'54  | 23° 8 | 17°24 | 26°34 | 20°37 | 8°34  | 18°20 | 29°25  | 0°10  | 27° 4 | 10°27  | 10°28 | 25°53 | n.a. |   |   |   |   |   |   |   |   |
| M 8  | 16 36 19 | 8°52'00  | 5♂18  | 18°42 | 27°47 | 21°17 | 8°44  | 18°26 | 29°24  | 0°10  | 27° 5 | 10°27  | 10°24 | 25°59 | n.a. |   |   |   |   |   |   |   |   |
| T 9  | 16 40 15 | 9°49'07  | 17°42 | 20° 4 | 29° 1 | 21°57 | 8°54  | 18°32 | 29°22  | 0° 9  | 27° 5 | 10°27  | 10°21 | 26° 6 | n.a. |   |   |   |   |   |   |   |   |
| W10  | 16 44 12 | 10°46'14 | 0♂24  | 21°30 | 0♂14  | 22°37 | 9° 4  | 18°38 | 29°20  | 0° 8  | 27° 6 | 10°D27 | 10°18 | 26°13 | n.a. |   |   |   |   |   |   |   |   |
| T 11 | 16 48 8  | 11°43'21 | 13°26 | 23° 0 | 1°28  | 23°17 | 9°14  | 18°44 | 29°19  | 0° 7  | 27° 6 | 10°27  | 10°15 | 26°19 | n.a. |   |   |   |   |   |   |   |   |
| F 12 | 16 52 5  | 12°40'29 | 26°48 | 24°34 | 2°41  | 23°57 | 9°24  | 18°50 | 29°17  | 0° 6  | 27° 7 | 10°27  | 10°12 | 26°26 | n.a. |   |   |   |   |   |   |   |   |
| S 13 | 16 56 2  | 13°37'37 | 10♂30 | 26°12 | 3°55  | 24°36 | 9°34  | 18°55 | 29°15  | 0° 5  | 27° 7 | 10°R27 | 10° 9 | 26°33 | n.a. |   |   |   |   |   |   |   |   |
| S 14 | 16 59 58 | 14°34'45 | 24°30 | 27°53 | 5° 8  | 25°16 | 9°43  | 19° 1 | 29°14  | 0° 4  | 27° 8 | 10°27  | 10° 5 | 26°40 | n.a. |   |   |   |   |   |   |   |   |
| M15  | 17 3 55  | 15°31'55 | 8♂44  | 29°38 | 6°22  | 25°56 | 9°53  | 19° 6 | 29°13  | 0° 3  | 27° 8 | 10°27  | 10° 2 | 26°46 | n.a. |   |   |   |   |   |   |   |   |
| T 16 | 17 7 51  | 16°29'05 | 23° 7 | 1♂26  | 7°36  | 26°35 | 10° 2 | 19°12 | 29°11  | 0° 2  | 27° 9 | 10°26  | 9°59  | 26°53 | n.a. |   |   |   |   |   |   |   |   |
| W17  | 17 11 48 | 17°26'16 | 7♂35  | 3°18  | 8°49  | 27°15 | 10°11 | 19°17 | 29°10  | 0° 1  | 27° 9 | 10°25  | 9°56  | 27° 0 | n.a. |   |   |   |   |   |   |   |   |
| T 18 | 17 15 44 | 18°23'27 | 22° 3 | 5°12  | 10° 3 | 27°55 | 10°20 | 19°23 | 29° 8  | 0° 0  | 27° 9 | 10°25  | 9°53  | 27° 6 | n.a. |   |   |   |   |   |   |   |   |
| F 19 | 17 19 41 | 19°20'40 | 6♂25  | 7° 8  | 11°17 | 28°34 | 10°29 | 19°28 | 29° 7  | 29♂58 | 27°10 | 10°24  | 9°49  | 27°13 | n.a. |   |   |   |   |   |   |   |   |
| S 20 | 17 23 38 | 20°17'53 | 20°39 | 9° 7  | 12°30 | 29°14 | 10°38 | 19°33 | 29° 6  | 29°57 | 27°10 | 10°D24 | 9°46  | 27°20 | n.a. |   |   |   |   |   |   |   |   |
| S 21 | 17 27 34 | 21°15'08 | 4♂43  | 11° 8 | 13°44 | 29°53 | 10°47 | 19°38 | 29° 5  | 29°56 | 27°10 | 10°24  | 9°43  | 27°27 | n.a. |   |   |   |   |   |   |   |   |
| M22  | 17 31 31 | 22°12'24 | 18°33 | 13°11 | 14°58 | 0♂33  | 10°56 | 19°43 | 29° 3  | 29°55 | 27°11 | 10°25  | 9°40  | 27°33 | n.a. |   |   |   |   |   |   |   |   |
| T 23 | 17 35 27 | 23° 9'41 | 2♂11  | 15°15 | 16°12 | 1°12  | 11° 4 | 19°48 | 29° 2  | 29°54 | 27°11 | 10°26  | 9°37  | 27°40 | n.a. |   |   |   |   |   |   |   |   |
| W24  | 17 39 24 | 24° 6'59 | 15°36 | 17°20 | 17°25 | 1°51  | 11°12 | 19°53 | 29° 1  | 29°52 | 27°11 | 10°27  | 9°34  | 27°47 | n.a. |   |   |   |   |   |   |   |   |
| T 25 | 17 43 20 | 25° 4'18 | 28°46 | 19°25 | 18°39 | 2°31  | 11°21 | 19°58 | 29° 0  | 29°51 | 27°11 | 10°28  | 9°30  | 27°54 | n.a. |   |   |   |   |   |   |   |   |
| F 26 | 17 47 17 | 26° 1'38 | 11♂44 | 21°31 | 19°53 | 3°10  | 11°29 | 20° 2 | 28°59  | 29°50 | 27°11 | 10°R28 | 9°27  | 28° 0 | n.a. |   |   |   |   |   |   |   |   |
| S 27 | 17 51 13 | 26°59'00 | 24°28 | 23°37 | 21° 7 | 3°49  | 11°37 | 20° 7 | 28°58  | 29°49 | 27°12 | 10°27  | 9°24  | 28° 7 | n.a. |   |   |   |   |   |   |   |   |
| S 28 | 17 55 10 | 27°56'22 | 7♂0   | 25°43 | 22°21 | 4°28  | 11°44 | 20°12 | 28°57  | 29°47 | 27°12 | 10°26  | 9°21  | 28°14 | n.a. |   |   |   |   |   |   |   |   |
| M29  | 17 59 7  | 28°53'45 | 19°19 | 27°49 | 23°35 | 5° 7  | 11°52 | 20°16 | 28°57  | 29°46 | 27°12 | 10°24  | 9°18  | 28°20 | n.a. |   |   |   |   |   |   |   |   |
| T 30 | 18 3 3   | 29♂15'10 | 1♂29  | 29♂54 | 24♂49 | 5♂46  | 12♂0  | 20♂20 | 28♂56  | 29♂45 | 27♂12 | 10♂21  | 9♂15  | 28♂27 | n.a. |   |   |   |   |   |   |   |   |

Delta T = 05h20m58s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 623 BCE

JULY 623 BCE (-622) JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁      | ♂      | ♃     | ♄     | ♅      | ♆      | ♇      | ♈      | ♉     | ♊     | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |  |
|------|----------|----------|-------|-------|--------|--------|-------|-------|--------|--------|--------|--------|-------|-------|------|---|---|---|---|---|---|---|---|--|
| W 1  | 18 7 0   | 0548'35  | 13Ω30 | 1558  | 26II 3 | 6II25  | 12Υ 7 | 20Υ25 | 28°R55 | 29°R43 | 27κ12  | 10°R18 | 9II11 | 28Ω34 | n.a. |   |   |   |   |   |   |   |   |  |
| T 2  | 18 10 56 | 1°46'01  | 25°24 | 4° 1  | 27°17  | 7° 5   | 12°14 | 20°29 | 28°54  | 29°42  | 27°12  | 10II15 | 9° 8  | 28°41 | n.a. |   |   |   |   |   |   |   |   |  |
| F 3  | 18 14 53 | 2°43'28  | 7η17  | 6° 3  | 28°31  | 7°43   | 12°21 | 20°33 | 28°54  | 29°40  | 27°12  | 10°12  | 9° 5  | 28°47 | n.a. |   |   |   |   |   |   |   |   |  |
| S 4  | 18 18 49 | 3°40'56  | 19°10 | 8° 4  | 29°45  | 8°22   | 12°28 | 20°37 | 28°53  | 29°39  | 27°12  | 10°10  | 9° 2  | 28°54 | n.a. |   |   |   |   |   |   |   |   |  |
| S 5  | 18 22 46 | 4°38'25  | 1♁ 8  | 10° 3 | 0559   | 9° 1   | 12°35 | 20°41 | 28°53  | 29°38  | 27°R12 | 10°D 9 | 8°59  | 29° 1 | n.a. |   |   |   |   |   |   |   |   |  |
| M 6  | 18 26 42 | 5°35'54  | 13°16 | 12° 2 | 2°13   | 9°40   | 12°42 | 20°45 | 28°52  | 29°36  | 27°12  | 10° 9  | 8°55  | 29° 7 | n.a. |   |   |   |   |   |   |   |   |  |
| T 7  | 18 30 39 | 6°33'25  | 25°39 | 13°58 | 3°27   | 10°19  | 12°48 | 20°49 | 28°52  | 29°35  | 27°12  | 10°11  | 8°52  | 29°14 | n.a. |   |   |   |   |   |   |   |   |  |
| W 8  | 18 34 36 | 7°30'57  | 8II21 | 15°54 | 4°41   | 10°58  | 12°54 | 20°52 | 28°51  | 29°33  | 27°12  | 10°12  | 8°49  | 29°21 | n.a. |   |   |   |   |   |   |   |   |  |
| T 9  | 18 38 32 | 8°28'30  | 21°25 | 17°48 | 5°55   | 11°36  | 13° 1 | 20°56 | 28°51  | 29°32  | 27°12  | 10°14  | 8°46  | 29°28 | n.a. |   |   |   |   |   |   |   |   |  |
| F 10 | 18 42 29 | 9°26'04  | 4♁53  | 19°40 | 7°10   | 12°15  | 13° 7 | 20°59 | 28°51  | 29°30  | 27°12  | 10°R15 | 8°43  | 29°34 | n.a. |   |   |   |   |   |   |   |   |  |
| S 11 | 18 46 25 | 10°23'40 | 18°48 | 21°31 | 8°24   | 12°54  | 13°12 | 21° 3 | 28°50  | 29°29  | 27°12  | 10°14  | 8°40  | 29°41 | n.a. |   |   |   |   |   |   |   |   |  |
| S 12 | 18 50 22 | 11°21'16 | 3ζ 5  | 23°21 | 9°38   | 13°32  | 13°18 | 21° 6 | 28°50  | 29°27  | 27°12  | 10°13  | 8°36  | 29°48 | n.a. |   |   |   |   |   |   |   |   |  |
| M13  | 18 54 18 | 12°18'54 | 17°42 | 25° 9 | 10°52  | 14°11  | 13°24 | 21° 9 | 28°50  | 29°26  | 27°11  | 10°10  | 8°33  | 29°55 | n.a. |   |   |   |   |   |   |   |   |  |
| T 14 | 18 58 15 | 13°16'34 | 2≈32  | 26°56 | 12° 6  | 14°49  | 13°29 | 21°12 | 28°50  | 29°24  | 27°11  | 10° 6  | 8°30  | 0η 1  | n.a. |   |   |   |   |   |   |   |   |  |
| W15  | 19 2 11  | 14°14'15 | 17°27 | 28°41 | 13°21  | 15°28  | 13°34 | 21°15 | 28°D50 | 29°22  | 27°11  | 10° 1  | 8°27  | 0° 8  | n.a. |   |   |   |   |   |   |   |   |  |
| T 16 | 19 6 8   | 15°11'58 | 2κ18  | 0Ω25  | 14°35  | 16° 6  | 13°39 | 21°18 | 28°50  | 29°21  | 27°11  | 9°56   | 8°24  | 0°15  | n.a. |   |   |   |   |   |   |   |   |  |
| F 17 | 19 10 5  | 16° 9'42 | 16°58 | 2° 7  | 15°49  | 16°45  | 13°44 | 21°21 | 28°50  | 29°19  | 27°11  | 9°52   | 8°21  | 0°21  | n.a. |   |   |   |   |   |   |   |   |  |
| S 18 | 19 14 1  | 17° 7'28 | 1Υ21  | 3°48  | 17° 4  | 17°23  | 13°49 | 21°24 | 28°50  | 29°18  | 27°10  | 9°50   | 8°17  | 0°28  | n.a. |   |   |   |   |   |   |   |   |  |
| S 19 | 19 17 58 | 18° 5'16 | 15°25 | 5°28  | 18°18  | 18° 2  | 13°53 | 21°26 | 28°50  | 29°16  | 27°10  | 9°D48  | 8°14  | 0°35  | n.a. |   |   |   |   |   |   |   |   |  |
| M20  | 19 21 54 | 19° 3'06 | 29° 8 | 7° 6  | 19°32  | 18°40  | 13°57 | 21°29 | 28°50  | 29°14  | 27°10  | 9°49   | 8°11  | 0°42  | n.a. |   |   |   |   |   |   |   |   |  |
| T 21 | 19 25 51 | 20° 0'58 | 12ζ32 | 8°43  | 20°47  | 19°18  | 14° 2 | 21°31 | 28°51  | 29°13  | 27° 9  | 9°50   | 8° 8  | 0°48  | n.a. |   |   |   |   |   |   |   |   |  |
| W22  | 19 29 47 | 20°58'52 | 25°39 | 10°18 | 22° 1  | 19°56  | 14° 6 | 21°33 | 28°51  | 29°11  | 27° 9  | 9°51   | 8° 5  | 0°55  | n.a. |   |   |   |   |   |   |   |   |  |
| T 23 | 19 33 44 | 21°56'48 | 8II29 | 11°52 | 23°16  | 20°35  | 14° 9 | 21°36 | 28°51  | 29°10  | 27° 9  | 9°R52  | 8° 1  | 1° 2  | n.a. |   |   |   |   |   |   |   |   |  |
| F 24 | 19 37 40 | 22°54'46 | 21° 7 | 13°25 | 24°30  | 21°13  | 14°13 | 21°38 | 28°52  | 29° 8  | 27° 8  | 9°52   | 7°58  | 1° 8  | n.a. |   |   |   |   |   |   |   |   |  |
| S 25 | 19 41 37 | 23°52'46 | 3533  | 14°56 | 25°45  | 21°51  | 14°16 | 21°40 | 28°52  | 29° 6  | 27° 8  | 9°49   | 7°55  | 1°15  | n.a. |   |   |   |   |   |   |   |   |  |
| S 26 | 19 45 34 | 24°50'47 | 15°50 | 16°27 | 26°59  | 22°29  | 14°20 | 21°42 | 28°53  | 29° 5  | 27° 7  | 9°44   | 7°52  | 1°22  | n.a. |   |   |   |   |   |   |   |   |  |
| M27  | 19 49 30 | 25°48'50 | 27°59 | 17°55 | 28°14  | 23° 7  | 14°23 | 21°43 | 28°53  | 29° 3  | 27° 7  | 9°38   | 7°49  | 1°29  | n.a. |   |   |   |   |   |   |   |   |  |
| T 28 | 19 53 27 | 26°46'55 | 10Ω 1 | 19°22 | 29°28  | 23°45  | 14°26 | 21°45 | 28°54  | 29° 1  | 27° 7  | 9°29   | 7°46  | 1°35  | n.a. |   |   |   |   |   |   |   |   |  |
| W29  | 19 57 23 | 27°45'02 | 21°58 | 20°48 | 0Ω43   | 24°23  | 14°28 | 21°47 | 28°55  | 29° 0  | 27° 6  | 9°20   | 7°42  | 1°42  | n.a. |   |   |   |   |   |   |   |   |  |
| T 30 | 20 1 20  | 28°43'10 | 3η50  | 22°13 | 1°57   | 25° 1  | 14°31 | 21°48 | 28°55  | 28°58  | 27° 6  | 9°11   | 7°39  | 1°49  | n.a. |   |   |   |   |   |   |   |   |  |
| F 31 | 20 5 16  | 2954'20  | 15η41 | 23Ω36 | 3Ω12   | 25II39 | 14Υ33 | 21Υ49 | 28Ω56  | 28ζ56  | 27κ 5  | 9II 2  | 7II36 | 1η56  | n.a. |   |   |   |   |   |   |   |   |  |

Delta T = 05h20m56s Julian Calendar 1 July 623 BCE == Greg. Calendar 24 June 623 BCE

The year -622 astronomical counting style corresponds to year 623 B.C.E historical counting style.

AUGUST 623 BCE (-622) JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽      | ♀      | ♁     | ♂      | ♃      | ♄      | ♅     | ♆      | ♇      | ♈     | ♉     | ♊    | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |  |
|------|----------|----------|--------|--------|-------|--------|--------|--------|-------|--------|--------|-------|-------|------|------|---|---|---|---|---|---|---|---|--|
| S 1  | 20 9 13  | 0Ω39'32  | 27η33  | 24Ω57  | 4Ω26  | 26II17 | 14Υ35  | 21Υ51  | 28Ω57 | 28°R55 | 27°R 4 | 8°R56 | 7II33 | 2η 2 | n.a. |   |   |   |   |   |   |   |   |  |
| S 2  | 20 13 9  | 1°37'45  | 9Ω30   | 26°17  | 5°41  | 26°55  | 14°37  | 21°52  | 28°58 | 28°53  | 27κ 4  | 8II51 | 7°30  | 2° 9 | n.a. |   |   |   |   |   |   |   |   |  |
| M 3  | 20 17 6  | 2°36'00  | 21°35  | 27°35  | 6°56  | 27°32  | 14°39  | 21°53  | 28°59 | 28°51  | 27° 3  | 8°48  | 7°27  | 2°16 | n.a. |   |   |   |   |   |   |   |   |  |
| T 4  | 20 21 3  | 3°34'17  | 3III54 | 28°52  | 8°10  | 28°10  | 14°40  | 21°54  | 29° 0 | 28°50  | 27° 3  | 8°D48 | 7°23  | 2°22 | n.a. |   |   |   |   |   |   |   |   |  |
| W 5  | 20 24 59 | 4°32'35  | 16°31  | 0η 7   | 9°25  | 28°48  | 14°41  | 21°55  | 29° 1 | 28°48  | 27° 2  | 8°48  | 7°20  | 2°29 | n.a. |   |   |   |   |   |   |   |   |  |
| T 6  | 20 28 56 | 5°30'55  | 29°30  | 1°21   | 10°40 | 29°25  | 14°43  | 21°55  | 29° 2 | 28°47  | 27° 1  | 8°49  | 7°17  | 2°36 | n.a. |   |   |   |   |   |   |   |   |  |
| F 7  | 20 32 52 | 6°29'17  | 12κ56  | 2°32   | 11°54 | 053    | 14°43  | 21°56  | 29° 3 | 28°45  | 27° 1  | 8°R49 | 7°14  | 2°43 | n.a. |   |   |   |   |   |   |   |   |  |
| S 8  | 20 36 49 | 7°27'41  | 26°51  | 3°42   | 13° 9 | 0°41   | 14°44  | 21°56  | 29° 4 | 28°43  | 27° 0  | 8°48  | 7°11  | 2°49 | n.a. |   |   |   |   |   |   |   |   |  |
| S 9  | 20 40 45 | 8°26'06  | 11ζ14  | 4°50   | 14°24 | 1°18   | 14°45  | 21°57  | 29° 5 | 28°42  | 26°59  | 8°44  | 7° 7  | 2°56 | n.a. |   |   |   |   |   |   |   |   |  |
| M10  | 20 44 42 | 9°24'33  | 26° 2  | 5°55   | 15°38 | 1°56   | 14°45  | 21°57  | 29° 7 | 28°40  | 26°59  | 8°38  | 7° 4  | 3° 3 | n.a. |   |   |   |   |   |   |   |   |  |
| T 11 | 20 48 39 | 10°23'02 | 11≈8 8 | 6°58   | 16°53 | 2°33   | 14°R45 | 21°57  | 29° 8 | 28°38  | 26°58  | 8°30  | 7° 1  | 3°10 | n.a. |   |   |   |   |   |   |   |   |  |
| W12  | 20 52 35 | 11°21'33 | 26°23  | 7°59   | 18° 8 | 3°10   | 14°45  | 21°R57 | 29° 9 | 28°37  | 26°57  | 8°21  | 6°58  | 3°16 | n.a. |   |   |   |   |   |   |   |   |  |
| T 13 | 20 56 32 | 12°20'07 | 11κ36  | 8°57   | 19°22 | 3°48   | 14°45  | 21°57  | 29°11 | 28°35  | 26°57  | 8°12  | 6°55  | 3°23 | n.a. |   |   |   |   |   |   |   |   |  |
| F 14 | 21 0 28  | 13°18'42 | 26°35  | 9°53   | 20°37 | 4°25   | 14°44  | 21°57  | 29°12 | 28°34  | 26°56  | 8° 3  | 6°52  | 3°30 | n.a. |   |   |   |   |   |   |   |   |  |
| S 15 | 21 4 25  | 14°17'19 | 11Υ14  | 10°46  | 21°52 | 5° 3   | 14°44  | 21°57  | 29°14 | 28°32  | 26°55  | 7°57  | 6°48  | 3°36 | n.a. |   |   |   |   |   |   |   |   |  |
| S 16 | 21 8 21  | 15°15'59 | 25°27  | 11°35  | 23° 7 | 5°40   | 14°43  | 21°56  | 29°16 | 28°31  | 26°54  | 7°53  | 6°45  | 3°43 | n.a. |   |   |   |   |   |   |   |   |  |
| M17  | 21 12 18 | 16°14'42 | 9Ω14   | 12°21  | 24°21 | 6°17   | 14°42  | 21°56  | 29°17 | 28°29  | 26°53  | 7°52  | 6°42  | 3°50 | n.a. |   |   |   |   |   |   |   |   |  |
| T 18 | 21 16 14 | 17°13'27 | 22°35  | 13° 4  | 25°36 | 6°54   | 14°40  | 21°55  | 29°19 | 28°27  | 26°53  | 7°D52 | 6°39  | 3°57 | n.a. |   |   |   |   |   |   |   |   |  |
| W19  | 21 20 11 | 18°12'14 | 5II33  | 13°42  | 26°51 | 7°31   | 14°39  | 21°54  | 29°21 | 28°26  | 26°52  | 7°R52 | 6°36  | 4° 3 | n.a. |   |   |   |   |   |   |   |   |  |
| T 20 | 21 24 7  | 19°11'04 | 18°13  | 14°17  | 28° 6 | 8° 8   | 14°37  | 21°53  | 29°22 | 28°24  | 26°51  | 7°52  | 6°32  | 4°10 | n.a. |   |   |   |   |   |   |   |   |  |
| F 21 | 21 28 4  | 20° 9'56 | 0538   | 14°46  | 29°21 | 8°46   | 14°35  | 21°52  | 29°24 | 28°23  | 26°50  | 7°49  | 6°29  | 4°17 | n.a. |   |   |   |   |   |   |   |   |  |
| S 22 | 21 32 1  | 21° 8'50 | 12°52  | 15°11  | 0η35  | 9°23   | 14°33  | 21°51  | 29°26 | 28°21  | 26°49  | 7°45  | 6°26  | 4°24 | n.a. |   |   |   |   |   |   |   |   |  |
| S 23 | 21 35 57 | 22° 7'47 | 24°57  | 15°31  | 1°50  | 10° 0  | 14°31  | 21°50  | 29°28 | 28°20  | 26°48  | 7°37  | 6°23  | 4°30 | n.a. |   |   |   |   |   |   |   |   |  |
| M24  | 21 39 54 | 23° 6'46 | 6Ω57   | 15°44  | 3° 5  | 10°37  | 14°28  | 21°49  | 29°30 | 28°18  | 26°47  | 7°27  | 6°20  | 4°37 | n.a. |   |   |   |   |   |   |   |   |  |
| T 25 | 21 43 50 | 24° 5'47 | 18°52  | 15°52  | 4°20  | 11°13  | 14°26  | 21°48  | 29°32 | 28°17  | 26°46  | 7°14  | 6°17  | 4°44 | n.a. |   |   |   |   |   |   |   |   |  |
| W26  | 21 47 47 | 25° 4'50 | 0η45   | 15°R53 | 5°35  | 11°50  | 14°23  | 21°46  | 29°34 | 28°16  | 26°45  | 7° 0  | 6°13  | 4°50 | n.a. |   |   |   |   |   |   |   |   |  |
| T 27 | 21 51 43 | 26° 3'55 | 12°37  | 15°47  | 6°50  | 12°27  | 14°20  | 21°44  | 29°36 | 28°14  | 26°44  | 6°46  | 6°10  | 4°57 | n.a. |   |   |   |   |   |   |   |   |  |
| F 28 | 21 55 40 | 27° 3'03 | 24°29  | 15°34  | 8° 5  | 13° 4  | 14°16  | 21°43  | 29°38 | 28°13  | 26°43  | 6°32  | 6°    |      |      |   |   |   |   |   |   |   |   |  |

SWISS EPHEMERIS for the year 623 BCE

SEPTEMBER 623 BCE (-622) JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♁     | ♂     | ♃      | ♅      | ♁     | ♁      | ♁      | ♁     | ♁    | ♁    | ♁    | ♁ |
|------|----------|----------|-------|--------|-------|-------|--------|--------|-------|--------|--------|-------|------|------|------|---|
| T 1  | 22 11 26 | 0♍59'52  | 12♌44 | 13°R25 | 13♎ 4 | 15♊31 | 14°R 1 | 21°R35 | 29♎47 | 28°R 7 | 26°R40 | 6°R 4 | 5♈54 | 5♎31 | n.a. |   |
| W 2  | 22 15 23 | 1°59'10  | 25°17 | 12♎34  | 14°19 | 16° 7 | 13°Y57 | 21°Y33 | 29°49 | 28♊ 6  | 26♋39  | 6♈ 3  | 5°51 | 5°37 | n.a. |   |
| T 3  | 22 19 19 | 2°58'29  | 8♌11  | 11°36  | 15°34 | 16°44 | 13°53  | 21°30  | 29°52 | 28° 5  | 26°37  | 6° 3  | 5°48 | 5°44 | n.a. |   |
| F 4  | 22 23 16 | 3°57'50  | 21°29 | 10°33  | 16°49 | 17°20 | 13°48  | 21°28  | 29°54 | 28° 3  | 26°36  | 6° 3  | 5°45 | 5°51 | n.a. |   |
| S 5  | 22 27 12 | 4°57'13  | 5♊15  | 9°25   | 18° 3 | 17°56 | 13°44  | 21°25  | 29°57 | 28° 2  | 26°35  | 6° 1  | 5°42 | 5°58 | n.a. |   |
| S 6  | 22 31 9  | 5°56'38  | 19°30 | 8°14   | 19°18 | 18°33 | 13°39  | 21°23  | 29°59 | 28° 1  | 26°34  | 5°57  | 5°38 | 6° 4 | n.a. |   |
| M 7  | 22 35 5  | 6°56'05  | 4♌13  | 7° 3   | 20°33 | 19° 9 | 13°34  | 21°20  | 0♌ 2  | 28° 0  | 26°33  | 5°49  | 5°35 | 6°11 | n.a. |   |
| T 8  | 22 39 2  | 7°55'34  | 19°19 | 5°52   | 21°48 | 19°45 | 13°28  | 21°17  | 0° 4  | 27°59  | 26°32  | 5°40  | 5°32 | 6°18 | n.a. |   |
| W 9  | 22 42 59 | 8°55'05  | 4♋39  | 4°44   | 23° 3 | 20°22 | 13°23  | 21°14  | 0° 7  | 27°58  | 26°31  | 5°29  | 5°29 | 6°25 | n.a. |   |
| T 10 | 22 46 55 | 9°54'38  | 20° 0 | 3°41   | 24°18 | 20°58 | 13°17  | 21°11  | 0°10  | 27°56  | 26°30  | 5°18  | 5°26 | 6°31 | n.a. |   |
| F 11 | 22 50 52 | 10°54'13 | 5°Y12 | 2°45   | 25°33 | 21°34 | 13°12  | 21° 8  | 0°12  | 27°55  | 26°29  | 5° 7  | 5°23 | 6°38 | n.a. |   |
| S 12 | 22 54 48 | 11°53'50 | 20° 5 | 1°57   | 26°47 | 22°10 | 13° 6  | 21° 5  | 0°15  | 27°54  | 26°28  | 4°59  | 5°19 | 6°45 | n.a. |   |
| S 13 | 22 58 45 | 12°53'30 | 4♌30  | 1°18   | 28° 2 | 22°46 | 13° 0  | 21° 2  | 0°18  | 27°53  | 26°27  | 4°54  | 5°16 | 6°51 | n.a. |   |
| M14  | 23 2 41  | 13°53'12 | 18°27 | 0°50   | 29°17 | 23°22 | 12°54  | 20°58  | 0°21  | 27°52  | 26°26  | 4°52  | 5°13 | 6°58 | n.a. |   |
| T 15 | 23 6 38  | 14°52'57 | 1♈54  | 0°33   | 0♊32  | 23°58 | 12°47  | 20°55  | 0°24  | 27°51  | 26°25  | 4°D51 | 5°10 | 7° 5 | n.a. |   |
| W16  | 23 10 34 | 15°52'44 | 14°54 | 0°D28  | 1°47  | 24°34 | 12°41  | 20°52  | 0°26  | 27°50  | 26°23  | 4°R51 | 5° 7 | 7°12 | n.a. |   |
| T 17 | 23 14 31 | 16°52'33 | 27°32 | 0°33   | 3° 2  | 25°10 | 12°34  | 20°48  | 0°29  | 27°49  | 26°22  | 4°50  | 5° 4 | 7°18 | n.a. |   |
| F 18 | 23 18 28 | 17°52'25 | 9♊53  | 0°49   | 4°17  | 25°45 | 12°28  | 20°44  | 0°32  | 27°48  | 26°21  | 4°49  | 5° 0 | 7°25 | n.a. |   |
| S 19 | 23 22 24 | 18°52'19 | 22° 1 | 1°16   | 5°31  | 26°21 | 12°21  | 20°41  | 0°35  | 27°47  | 26°20  | 4°44  | 4°57 | 7°32 | n.a. |   |
| S 20 | 23 26 21 | 19°52'16 | 4♌ 0  | 1°52   | 6°46  | 26°57 | 12°14  | 20°37  | 0°38  | 27°46  | 26°19  | 4°37  | 4°54 | 7°39 | n.a. |   |
| M21  | 23 30 17 | 20°52'14 | 15°54 | 2°36   | 8° 1  | 27°32 | 12° 7  | 20°33  | 0°41  | 27°46  | 26°18  | 4°27  | 4°51 | 7°45 | n.a. |   |
| T 22 | 23 34 14 | 21°52'15 | 27°46 | 3°29   | 9°16  | 28° 8 | 11°59  | 20°29  | 0°44  | 27°45  | 26°17  | 4°15  | 4°48 | 7°52 | n.a. |   |
| W23  | 23 38 10 | 22°52'18 | 9♎38  | 4°29   | 10°31 | 28°44 | 11°52  | 20°25  | 0°47  | 27°44  | 26°16  | 4° 1  | 4°44 | 7°59 | n.a. |   |
| T 24 | 23 42 7  | 23°52'23 | 21°31 | 5°34   | 11°46 | 29°19 | 11°45  | 20°21  | 0°51  | 27°43  | 26°14  | 3°47  | 4°41 | 8° 5 | n.a. |   |
| F 25 | 23 46 3  | 24°52'30 | 3♌27  | 6°46   | 13° 1 | 29°54 | 11°37  | 20°16  | 0°54  | 27°43  | 26°13  | 3°34  | 4°38 | 8°12 | n.a. |   |
| S 26 | 23 50 0  | 25°52'39 | 15°28 | 8° 2   | 14°15 | 0♌30  | 11°30  | 20°12  | 0°57  | 27°42  | 26°12  | 3°24  | 4°35 | 8°19 | n.a. |   |
| S 27 | 23 53 57 | 26°52'49 | 27°34 | 9°21   | 15°30 | 1° 5  | 11°22  | 20° 8  | 1° 0  | 27°41  | 26°11  | 3°15  | 4°32 | 8°26 | n.a. |   |
| M28  | 23 57 53 | 27°53'02 | 9♌47  | 10°45  | 16°45 | 1°40  | 11°14  | 20° 4  | 1° 3  | 27°41  | 26°10  | 3°10  | 4°29 | 8°32 | n.a. |   |
| T 29 | 0 1 50   | 28°53'16 | 22°10 | 12°11  | 18° 0 | 2°15  | 11° 6  | 19°59  | 1° 7  | 27°40  | 26° 9  | 3° 7  | 4°25 | 8°39 | n.a. |   |
| W30  | 0 5 46   | 29♎53'32 | 4♌47  | 13♎39  | 19♌15 | 2♌50  | 10°Y59 | 19°Y55 | 1♌10  | 27♊39  | 26♋ 8  | 3°D 7 | 4♈22 | 8♎46 | n.a. |   |

Delta T = 05h20m54s Julian Calendar 1 Sept. 623 BCE == Greg. Calendar 25 Aug. 623 BCE  
 The year -622 astronomical counting style corresponds to year 623 B.C.E historical counting style.

OCTOBER 623 BCE (-622) JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽      | ♀     | ♁     | ♂     | ♃      | ♅      | ♁    | ♁      | ♁      | ♁     | ♁    | ♁     | ♁    | ♁ |
|------|---------|----------|--------|-------|-------|-------|--------|--------|------|--------|--------|-------|------|-------|------|---|
| T 1  | 0 9 43  | 0♎53'50  | 17♌40  | 15♎10 | 20♌30 | 3♌26  | 10°R51 | 19°R50 | 1♌13 | 27°R39 | 26°R 6 | 3♈ 7  | 4♈19 | 8♎52  | n.a. |   |
| F 2  | 0 13 39 | 1°54'10  | 0♊53   | 16°42 | 21°44 | 4° 0  | 10°Y43 | 19°Y46 | 1°16 | 27♊38  | 26♋ 5  | 3°R 8 | 4°16 | 8°59  | n.a. |   |
| S 3  | 0 17 36 | 2°54'31  | 14°30  | 18°15 | 22°59 | 4°35  | 10°35  | 19°41  | 1°20 | 27°38  | 26° 4  | 3° 7  | 4°13 | 9° 6  | n.a. |   |
| S 4  | 0 21 32 | 3°54'53  | 28°32  | 19°50 | 24°14 | 5°10  | 10°27  | 19°36  | 1°23 | 27°37  | 26° 3  | 3° 4  | 4° 9 | 9°13  | n.a. |   |
| M 5  | 0 25 29 | 4°55'17  | 12♌59  | 21°25 | 25°29 | 5°45  | 10°18  | 19°32  | 1°27 | 27°37  | 26° 2  | 3° 0  | 4° 6 | 9°19  | n.a. |   |
| T 6  | 0 29 26 | 5°55'43  | 27°49  | 23° 1 | 26°43 | 6°20  | 10°10  | 19°27  | 1°30 | 27°37  | 26° 1  | 2°53  | 4° 3 | 9°26  | n.a. |   |
| W 7  | 0 33 22 | 6°56'10  | 12♋54  | 24°37 | 27°58 | 6°54  | 10° 2  | 19°22  | 1°33 | 27°36  | 26° 0  | 2°44  | 4° 0 | 9°33  | n.a. |   |
| T 8  | 0 37 19 | 7°56'38  | 28° 6  | 26°14 | 29°13 | 7°29  | 9°54   | 19°17  | 1°37 | 27°36  | 25°58  | 2°35  | 3°57 | 9°40  | n.a. |   |
| F 9  | 0 41 15 | 8°57'08  | 13°Y14 | 27°50 | 0♌28  | 8° 3  | 9°46   | 19°13  | 1°40 | 27°36  | 25°57  | 2°27  | 3°54 | 9°46  | n.a. |   |
| S 10 | 0 45 12 | 9°57'40  | 28° 7  | 29°27 | 1°42  | 8°38  | 9°38   | 19° 8  | 1°44 | 27°36  | 25°56  | 2°21  | 3°50 | 9°53  | n.a. |   |
| S 11 | 0 49 8  | 10°58'14 | 12♊38  | 1♌ 4  | 2°57  | 9°12  | 9°30   | 19° 3  | 1°47 | 27°35  | 25°55  | 2°17  | 3°47 | 10° 0 | n.a. |   |
| M12  | 0 53 5  | 11°58'50 | 26°43  | 2°41  | 4°12  | 9°46  | 9°21   | 18°58  | 1°51 | 27°35  | 25°54  | 2°D15 | 3°44 | 10° 6 | n.a. |   |
| T 13 | 0 57 1  | 12°59'27 | 10♈18  | 4°18  | 5°26  | 10°21 | 9°13   | 18°53  | 1°54 | 27°35  | 25°53  | 2°15  | 3°41 | 10°13 | n.a. |   |
| W14  | 1 0 58  | 14° 0'06 | 23°26  | 5°54  | 6°41  | 10°55 | 9° 5   | 18°48  | 1°58 | 27°35  | 25°52  | 2°16  | 3°38 | 10°20 | n.a. |   |
| T 15 | 1 4 54  | 15° 0'48 | 6♊30   | 7°31  | 7°56  | 11°29 | 8°57   | 18°43  | 2° 2 | 27°35  | 25°51  | 2°18  | 3°35 | 10°27 | n.a. |   |
| F 16 | 1 8 51  | 16° 1'31 | 18°33  | 9° 7  | 9°10  | 12° 3 | 8°49   | 18°38  | 2° 5 | 27°35  | 25°50  | 2°R18 | 3°31 | 10°33 | n.a. |   |
| S 17 | 1 12 48 | 17° 2'16 | 0♌42   | 10°44 | 10°25 | 12°37 | 8°41   | 18°33  | 2° 9 | 27°D35 | 25°49  | 2°17  | 3°28 | 10°40 | n.a. |   |
| S 18 | 1 16 44 | 18° 3'02 | 12°40  | 12°20 | 11°40 | 13°11 | 8°33   | 18°28  | 2°12 | 27°35  | 25°48  | 2°14  | 3°25 | 10°47 | n.a. |   |
| M19  | 1 20 41 | 19° 3'50 | 24°33  | 13°55 | 12°54 | 13°45 | 8°25   | 18°24  | 2°16 | 27°35  | 25°47  | 2° 9  | 3°22 | 10°54 | n.a. |   |
| T 20 | 1 24 37 | 20° 4'40 | 6♎24   | 15°31 | 14° 9 | 14°18 | 8°17   | 18°19  | 2°20 | 27°35  | 25°46  | 2° 2  | 3°19 | 11° 0 | n.a. |   |
| W21  | 1 28 34 | 21° 5'32 | 18°17  | 17° 7 | 15°24 | 14°52 | 8° 9   | 18°14  | 2°23 | 27°35  | 25°45  | 1°54  | 3°15 | 11° 7 | n.a. |   |
| T 22 | 1 32 30 | 22° 6'24 | 0♎13   | 18°42 | 16°38 | 15°25 | 8° 2   | 18° 9  | 2°27 | 27°35  | 25°44  | 1°46  | 3°12 | 11°14 | n.a. |   |
| F 23 | 1 36 27 | 23° 7'19 | 12°16  | 20°17 | 17°53 | 15°59 | 7°54   | 18° 4  | 2°31 | 27°35  | 25°43  | 1°38  | 3° 9 | 11°20 | n.a. |   |
| S 24 | 1 40 23 | 24° 8'14 | 24°26  | 21°52 | 19° 7 | 16°32 | 7°46   | 17°59  | 2°34 | 27°36  | 25°42  | 1°32  | 3° 6 | 11°27 | n.a. |   |
| S 25 | 1 44 20 | 25° 9'11 | 6♌45   | 23°27 | 20°22 | 17° 5 | 7°39   | 17°54  | 2°38 | 27°36  | 25°41  | 1°27  | 3° 3 | 11°34 | n.a. |   |
| M26  | 1 48 17 | 26°10'09 | 19°13  | 25° 2 | 21°37 | 17°38 | 7°31   | 17°49  | 2°42 | 27°36  | 25°40  | 1°25  | 3° 0 | 11°41 | n.a. |   |
| T 27 | 1 52 13 | 27°11'09 | 1♌52   | 26°36 | 22°51 | 18°12 | 7°24   | 17°44  | 2°45 | 27°37  | 25°39  | 1°D24 | 2°56 | 11°47 | n.a. |   |
| W28  | 1 56 10 | 28°12'09 | 14°43  | 28°11 | 24° 6 | 18°44 | 7°17   | 17°39  | 2°49 | 27°37  | 25°38  | 1°25  | 2°53 | 11°54 | n.a. |   |
| T 29 | 2 0 6   | 29°13'10 | 27°47  | 29°45 | 25°20 | 19°17 | 7°10   | 17°34  | 2°53 | 27°37  | 25°37  | 1°26  | 2°50 | 12° 1 | n.a. |   |
| F 30 | 2 4 3   | 0♌14'12  | 11♊ 7  | 1♌20  | 26°35 | 19°50 | 7° 3   | 17°30  | 2°56 | 27°38  | 25°36  | 1°28  | 2°47 | 12° 7 | n.a. |   |
| S 31 | 2 7 59  | 1♌15'15  | 24♊43  | 2♌54  | 27♌49 | 20♌23 | 6°Y56  | 17°Y25 | 3♌ 0 | 27♊38  | 25♋35  | 1°R29 | 2♈44 | 12♎14 | n.a. |   |

Delta T = 05h20m52s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 623 BCE

NOVEMBER 623 BCE (-622) JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽      | ♀      | ♂     | ♃     | ♄     | ♅      | ♆     | ♇      | ♈      | ♉     | ♊     | ♋      | ♌    | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |  |
|------|---------|----------|--------|--------|-------|-------|-------|--------|-------|--------|--------|-------|-------|--------|------|---|---|---|---|---|---|---|--|
| S 1  | 2 11 56 | 2♁16'19  | 8♁37   | 4♁28   | 29♁ 4 | 20♁55 | 6°R50 | 17°R20 | 3♁ 4  | 27♁39  | 25°R34 | 1°R29 | 2♁41  | 12♁21  | n.a. |   |   |   |   |   |   |   |  |
| M 2  | 2 15 52 | 3°17'23  | 22°49  | 6° 2   | 0♁18  | 21°28 | 6°Y43 | 17°Y16 | 3° 8  | 27°39  | 25°X33 | 1°D28 | 2°37  | 12°28  | n.a. |   |   |   |   |   |   |   |  |
| T 3  | 2 19 49 | 4°18'28  | 7°X16  | 7°37   | 1°33  | 22° 0 | 6°37  | 17°11  | 3°11  | 27°40  | 25°32  | 1°25  | 2°34  | 12°34  | n.a. |   |   |   |   |   |   |   |  |
| W 4  | 2 23 46 | 5°19'33  | 21°56  | 9°11   | 2°47  | 22°32 | 6°30  | 17° 6  | 3°15  | 27°41  | 25°31  | 1°22  | 2°31  | 12°41  | n.a. |   |   |   |   |   |   |   |  |
| T 5  | 2 27 42 | 6°20'39  | 6°Y43  | 10°45  | 4° 1  | 23° 4 | 6°24  | 17° 2  | 3°19  | 27°41  | 25°31  | 1°18  | 2°28  | 12°48  | n.a. |   |   |   |   |   |   |   |  |
| F 6  | 2 31 39 | 7°21'46  | 21°28  | 12°19  | 5°16  | 23°36 | 6°18  | 16°57  | 3°22  | 27°42  | 25°30  | 1°14  | 2°25  | 12°55  | n.a. |   |   |   |   |   |   |   |  |
| S 7  | 2 35 35 | 8°22'54  | 6°X 5  | 13°54  | 6°30  | 24° 8 | 6°12  | 16°53  | 3°26  | 27°43  | 25°29  | 1°12  | 2°21  | 13° 1  | n.a. |   |   |   |   |   |   |   |  |
| S 8  | 2 39 32 | 9°24'02  | 20°26  | 15°28  | 7°44  | 24°40 | 6° 7  | 16°48  | 3°30  | 27°43  | 25°28  | 1°10  | 2°18  | 13° 8  | n.a. |   |   |   |   |   |   |   |  |
| M 9  | 2 43 28 | 10°25'11 | 4°D27  | 17° 3  | 8°59  | 25°12 | 6° 1  | 16°44  | 3°33  | 27°44  | 25°27  | 1°D10 | 2°15  | 13°15  | n.a. |   |   |   |   |   |   |   |  |
| T 10 | 2 47 25 | 11°26'21 | 18° 4  | 18°37  | 10°13 | 25°43 | 5°56  | 16°40  | 3°37  | 27°45  | 25°27  | 1°11  | 2°12  | 13°21  | n.a. |   |   |   |   |   |   |   |  |
| W11  | 2 51 21 | 12°27'32 | 18°17  | 20°12  | 11°27 | 26°15 | 5°51  | 16°36  | 3°41  | 27°46  | 25°26  | 1°12  | 2° 9  | 13°28  | n.a. |   |   |   |   |   |   |   |  |
| T 12 | 2 55 18 | 13°28'44 | 14° 6  | 21°46  | 12°41 | 26°46 | 5°46  | 16°32  | 3°44  | 27°47  | 25°25  | 1°14  | 2° 6  | 13°35  | n.a. |   |   |   |   |   |   |   |  |
| F 13 | 2 59 15 | 14°29'56 | 26°36  | 23°21  | 13°56 | 27°17 | 5°41  | 16°27  | 3°48  | 27°48  | 25°25  | 1°15  | 2° 2  | 13°42  | n.a. |   |   |   |   |   |   |   |  |
| S 14 | 3 3 11  | 15°31'10 | 8°D48  | 24°56  | 15°10 | 27°49 | 5°36  | 16°23  | 3°52  | 27°49  | 25°24  | 1°16  | 1°59  | 13°48  | n.a. |   |   |   |   |   |   |   |  |
| S 15 | 3 7 8   | 16°32'24 | 20°49  | 26°31  | 16°24 | 28°19 | 5°32  | 16°20  | 3°55  | 27°50  | 25°23  | 1°R16 | 1°56  | 13°55  | n.a. |   |   |   |   |   |   |   |  |
| M16  | 3 11 4  | 17°33'38 | 2°D43  | 28° 6  | 17°38 | 28°50 | 5°27  | 16°16  | 3°59  | 27°51  | 25°23  | 1°15  | 1°53  | 14° 2  | n.a. |   |   |   |   |   |   |   |  |
| T 17 | 3 15 1  | 18°34'54 | 14°35  | 29°40  | 18°52 | 29°21 | 5°23  | 16°12  | 4° 3  | 27°52  | 25°22  | 1°14  | 1°50  | 14° 8  | n.a. |   |   |   |   |   |   |   |  |
| W18  | 3 18 57 | 19°36'10 | 26°28  | 1°X15  | 20° 6 | 29°51 | 5°19  | 16° 8  | 4° 6  | 27°53  | 25°21  | 1°12  | 1°46  | 14°15  | n.a. |   |   |   |   |   |   |   |  |
| T 19 | 3 22 54 | 20°37'26 | 8°D28  | 2°50   | 21°21 | 0°D22 | 5°16  | 16° 5  | 4°10  | 27°54  | 25°21  | 1°11  | 1°43  | 14°22  | n.a. |   |   |   |   |   |   |   |  |
| F 20 | 3 26 50 | 21°38'43 | 20°36  | 4°24   | 22°35 | 0°52  | 5°12  | 16° 1  | 4°13  | 27°55  | 25°20  | 1° 9  | 1°40  | 14°29  | n.a. |   |   |   |   |   |   |   |  |
| S 21 | 3 30 47 | 22°40'01 | 2°D56  | 5°59   | 23°49 | 1°22  | 5° 9  | 15°58  | 4°17  | 27°56  | 25°20  | 1° 8  | 1°37  | 14°35  | n.a. |   |   |   |   |   |   |   |  |
| S 22 | 3 34 44 | 23°41'18 | 15°29  | 7°33   | 25° 3 | 1°52  | 5° 6  | 15°54  | 4°21  | 27°57  | 25°19  | 1° 7  | 1°34  | 14°42  | n.a. |   |   |   |   |   |   |   |  |
| M23  | 3 38 40 | 24°42'36 | 28°16  | 9° 7   | 26°17 | 2°22  | 5° 3  | 15°51  | 4°24  | 27°59  | 25°19  | 1°D 7 | 1°31  | 14°49  | n.a. |   |   |   |   |   |   |   |  |
| T 24 | 3 42 37 | 25°43'55 | 11°X17 | 10°40  | 27°31 | 2°52  | 5° 0  | 15°48  | 4°28  | 28° 0  | 25°18  | 1° 7  | 1°27  | 14°55  | n.a. |   |   |   |   |   |   |   |  |
| W25  | 3 46 33 | 26°45'13 | 24°31  | 12°12  | 28°44 | 3°21  | 4°58  | 15°45  | 4°31  | 28° 1  | 25°18  | 1° 7  | 1°24  | 15° 2  | n.a. |   |   |   |   |   |   |   |  |
| T 26 | 3 50 30 | 27°46'31 | 7°X59  | 13°44  | 29°58 | 3°50  | 4°55  | 15°42  | 4°35  | 28° 2  | 25°17  | 1° 8  | 1°21  | 15° 9  | n.a. |   |   |   |   |   |   |   |  |
| F 27 | 3 54 26 | 28°47'49 | 21°38  | 15°14  | 1°X12 | 4°19  | 4°53  | 15°39  | 4°38  | 28° 4  | 25°17  | 1° 8  | 1°18  | 15°16  | n.a. |   |   |   |   |   |   |   |  |
| S 28 | 3 58 23 | 29°49'07 | 5°X28  | 16°44  | 2°26  | 4°48  | 4°51  | 15°36  | 4°42  | 28° 5  | 25°16  | 1° 8  | 1°15  | 15°22  | n.a. |   |   |   |   |   |   |   |  |
| S 29 | 4 2 19  | 0°X50'24 | 19°27  | 18°12  | 3°40  | 5°17  | 4°49  | 15°33  | 4°45  | 28° 7  | 25°16  | 1° 8  | 1°12  | 15°29  | n.a. |   |   |   |   |   |   |   |  |
| M30  | 4 6 16  | 1°X51'41 | 3°X34  | 19°X37 | 4°X53 | 5°D46 | 4°Y48 | 15°Y30 | 4°D48 | 28°X 8 | 25°X15 | 1°D 8 | 1°D 8 | 15°D36 | n.a. |   |   |   |   |   |   |   |  |

Delta T = 05h20m51s Julian Calendar 1 Nov. 623 BCE == Greg. Calendar 25 Oct. 623 BCE

The year -622 astronomical counting style corresponds to year 623 B.C.E historical counting style.

DECEMBER 623 BCE (-622) JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽      | ♀      | ♂     | ♃     | ♄     | ♅      | ♆     | ♇      | ♈      | ♉     | ♊      | ♋      | ♌    | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |  |
|------|---------|----------|--------|--------|-------|-------|-------|--------|-------|--------|--------|-------|--------|--------|------|---|---|---|---|---|---|---|--|
| T 1  | 4 10 13 | 2°X52'57 | 17°X47 | 21°X 1 | 6°X 7 | 6°D14 | 4°R47 | 15°R28 | 4°D52 | 28°X 9 | 25°R15 | 1°D 8 | 1°D 5  | 15°D43 | n.a. |   |   |   |   |   |   |   |  |
| W 2  | 4 14 9  | 3°54'13  | 2°Y 4  | 22°22  | 7°21  | 6°42  | 4°Y46 | 15°Y25 | 4°55  | 28°11  | 25°X15 | 1° 8  | 1° 2   | 15°49  | n.a. |   |   |   |   |   |   |   |  |
| T 3  | 4 18 6  | 4°55'28  | 16°22  | 23°40  | 8°34  | 7°10  | 4°45  | 15°23  | 4°59  | 28°12  | 25°14  | 1° 9  | 0°59   | 15°56  | n.a. |   |   |   |   |   |   |   |  |
| F 4  | 4 22 2  | 5°56'43  | 0°X36  | 24°54  | 9°48  | 7°38  | 4°44  | 15°21  | 5° 2  | 28°14  | 25°14  | 1° 9  | 0°56   | 16° 3  | n.a. |   |   |   |   |   |   |   |  |
| S 5  | 4 25 59 | 6°57'57  | 14°44  | 26° 3  | 11° 1 | 8° 6  | 4°44  | 15°19  | 5° 5  | 28°16  | 25°14  | 1°10  | 0°52   | 16° 9  | n.a. |   |   |   |   |   |   |   |  |
| S 6  | 4 29 55 | 7°59'11  | 28°42  | 27° 8  | 12°15 | 8°33  | 4°43  | 15°17  | 5° 8  | 28°17  | 25°14  | 1°R10 | 0°49   | 16°16  | n.a. |   |   |   |   |   |   |   |  |
| M 7  | 4 33 52 | 9° 0'25  | 12°D25 | 28° 6  | 13°28 | 9° 1  | 4°D43 | 15°15  | 5°12  | 28°19  | 25°13  | 1°10  | 0°46   | 16°23  | n.a. |   |   |   |   |   |   |   |  |
| T 8  | 4 37 48 | 10° 1'38 | 25°51  | 28°58  | 14°42 | 9°28  | 4°43  | 15°13  | 5°15  | 28°20  | 25°13  | 1° 9  | 0°43   | 16°30  | n.a. |   |   |   |   |   |   |   |  |
| W 9  | 4 41 45 | 11° 2'51 | 8°D59  | 29°42  | 15°55 | 9°54  | 4°44  | 15°11  | 5°18  | 28°22  | 25°13  | 1° 8  | 0°40   | 16°36  | n.a. |   |   |   |   |   |   |   |  |
| T 10 | 4 45 42 | 12° 4'03 | 21°47  | 0°X18  | 17° 8 | 10°21 | 4°44  | 15°10  | 5°21  | 28°24  | 25°13  | 1° 6  | 0°37   | 16°43  | n.a. |   |   |   |   |   |   |   |  |
| F 11 | 4 49 38 | 13° 5'15 | 4°D18  | 0°44   | 18°21 | 10°47 | 4°45  | 15° 8  | 5°24  | 28°26  | 25°13  | 1° 5  | 0°33   | 16°50  | n.a. |   |   |   |   |   |   |   |  |
| S 12 | 4 53 35 | 14° 6'27 | 16°34  | 1° 0   | 19°35 | 11°14 | 4°46  | 15° 7  | 5°27  | 28°27  | 25°13  | 1° 3  | 0°30   | 16°56  | n.a. |   |   |   |   |   |   |   |  |
| S 13 | 4 57 31 | 15° 7'38 | 28°37  | 1°R 5  | 20°48 | 11°40 | 4°47  | 15° 6  | 5°31  | 28°29  | 25°13  | 1° 2  | 0°27   | 17° 3  | n.a. |   |   |   |   |   |   |   |  |
| M14  | 5 1 28  | 16° 8'49 | 10°D33 | 0°59   | 22° 1 | 12° 5 | 4°49  | 15° 5  | 5°34  | 28°31  | 25°13  | 1° 1  | 0°24   | 17°10  | n.a. |   |   |   |   |   |   |   |  |
| T 15 | 5 5 24  | 17° 9'59 | 22°25  | 0°41   | 23°14 | 12°31 | 4°50  | 15° 4  | 5°37  | 28°33  | 25°13  | 1°D 1 | 0°21   | 17°17  | n.a. |   |   |   |   |   |   |   |  |
| W16  | 5 9 21  | 18°11'09 | 4°D18  | 0°11   | 24°27 | 12°56 | 4°52  | 15° 3  | 5°40  | 28°34  | 25°12  | 1° 2  | 0°18   | 17°23  | n.a. |   |   |   |   |   |   |   |  |
| T 17 | 5 13 18 | 19°12'18 | 16°18  | 29°X30 | 25°39 | 13°21 | 4°54  | 15° 2  | 5°43  | 28°36  | 25°D12 | 1° 3  | 0°14   | 17°30  | n.a. |   |   |   |   |   |   |   |  |
| F 18 | 5 17 14 | 20°13'27 | 28°28  | 28°39  | 26°52 | 13°46 | 4°56  | 15° 1  | 5°45  | 28°38  | 25°13  | 1° 5  | 0°11   | 17°37  | n.a. |   |   |   |   |   |   |   |  |
| S 19 | 5 21 11 | 21°14'35 | 10°D53 | 27°39  | 28° 5 | 14°10 | 4°59  | 15° 1  | 5°48  | 28°40  | 25°13  | 1° 6  | 0° 8   | 17°43  | n.a. |   |   |   |   |   |   |   |  |
| S 20 | 5 25 7  | 22°15'42 | 23°36  | 26°31  | 29°18 | 14°34 | 5° 1  | 15° 0  | 5°51  | 28°42  | 25°13  | 1° 7  | 0° 5   | 17°50  | n.a. |   |   |   |   |   |   |   |  |
| M21  | 5 29 4  | 23°16'49 | 6°X38  | 25°19  | 0°X30 | 14°58 | 5° 4  | 15° 0  | 5°54  | 28°44  | 25°13  | 1°R 7 | 0° 2   | 17°57  | n.a. |   |   |   |   |   |   |   |  |
| T 22 | 5 33 0  | 24°17'55 | 20° 3  | 24° 3  | 1°43  | 15°22 | 5° 7  | 14°59  | 5°57  | 28°46  | 25°13  | 1° 6  | 29°X58 | 18° 4  | n.a. |   |   |   |   |   |   |   |  |
| W23  | 5 36 57 | 25°19'00 | 3°X40  | 22°47  | 2°55  | 15°45 | 5°10  | 14°D59 | 6° 0  | 28°48  | 25°13  | 1° 4  | 29°55  | 18°10  | n.a. |   |   |   |   |   |   |   |  |
| T 24 | 5 40 53 | 26°20'03 | 17°37  | 21°32  | 4° 8  | 16° 8 | 5°14  | 14°59  | 6° 2  | 28°50  | 25°13  | 1° 0  | 29°52  | 18°17  | n.a. |   |   |   |   |   |   |   |  |
| F 25 | 5 44 50 | 27°21'06 | 1°X45  | 20°21  | 5°20  | 16°30 | 5°17  | 14°59  | 6° 5  | 28°52  | 25°13  | 0°56  | 29°49  | 18°24  | n.a. |   |   |   |   |   |   |   |  |
| S 26 | 5 48 47 | 28°22'07 | 16° 1  | 19°15  | 6°32  | 16°53 | 5°21  | 15° 0  | 6° 8  | 28°54  | 25°14  | 0°52  | 29°46  | 18°31  | n.a. |   |   |   |   |   |   |   |  |
| S 27 | 5 52 43 | 29°23'07 | 0°X20  | 18°16  | 7°44  | 17°15 | 5°25  | 15° 0  | 6°10  | 28°56  | 25°14  | 0°49  | 29°43  | 18°37  | n.a. |   |   |   |   |   |   |   |  |
| M28  | 5 56 40 | 0°X24'06 | 14°37  | 17°25  | 8°56  | 17°36 | 5°29  | 15° 1  | 6°13  | 28°58  | 25°14  | 0°47  | 29°39  | 18°44  | n.a. |   |   |   |   |   |   |   |  |
| T 29 | 6 0 36  | 1°25'02  | 28°50  | 16°42  | 10° 8 | 17°58 | 5°33  | 15° 1  | 6°15  | 29° 0  | 25°14  | 0°D46 | 29°36  | 18°51  | n.a. |   |   |   |   |   |   |   |  |
| W30  | 6 4 33  | 2°25'58  | 12°Y56 | 16° 7  | 11°20 | 18°19 | 5°38  | 15° 2  | 6°18  | 29° 2  | 25°15  | 0°46  | 29°33  | 18°57  | n.a. |   |   |   |   |   |   |   |  |
| T 31 | 6 8 29  | 3°26'51  | 26°Y53 | 15°X41 | 12°X3 |       |       |        |       |        |        |       |        |        |      |   |   |   |   |   |   |   |  |