

SWISS EPHEMERIS for the year 1130

JANUARY 1130 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|-------|-------|------|-------|------|--------|-------|-------|--------|--------|-------|-------|---|
| W 1 | 7 6 24 | 17°14'52 | 6♍55 | 26♌8 | 10♌24 | 2♌56 | 19♌22 | 6♍19 | 28°R19 | 14♌8 | 8°R44 | 1°R49 | 1♌30 | 23♌41 | 12♌53 | |
| T 2 | 7 10 21 | 18°15'56 | 18°45 | 27°30 | 10°48 | 3°15 | 19°35 | 6°23 | 28♍18 | 14°8 | 8♌44 | 1♌43 | 1°27 | 23°48 | 12°57 | |
| F 3 | 7 14 18 | 19°17'00 | 0♌39 | 28°53 | 11°13 | 3°34 | 19°48 | 6°27 | 28°18 | 14°8 | 8°44 | 1°39 | 1°23 | 23°55 | 13°1 | |
| S 4 | 7 18 14 | 20°18'03 | 12°42 | 0♌17 | 11°40 | 3°53 | 20°1 | 6°30 | 28°17 | 14°8 | 8°43 | 1°37 | 1°20 | 24°2 | 13°5 | |
| S 5 | 7 22 11 | 21°19'06 | 24°58 | 1°42 | 12°9 | 4°11 | 20°13 | 6°34 | 28°17 | 14°8 | 8°43 | 1°37 | 1°17 | 24°8 | 13°10 | |
| M 6 | 7 26 7 | 22°20'08 | 7♍33 | 3°8 | 12°39 | 4°28 | 20°26 | 6°37 | 28°16 | 14°8 | 8°43 | 1°37 | 1°14 | 24°15 | 13°14 | |
| T 7 | 7 30 4 | 23°21'09 | 20°33 | 4°34 | 13°11 | 4°45 | 20°39 | 6°40 | 28°16 | 14°9 | 8°43 | 1°36 | 1°11 | 24°22 | 13°18 | |
| W 8 | 7 34 0 | 24°22'10 | 4♌1 | 6°2 | 13°44 | 5°2 | 20°51 | 6°44 | 28°15 | 14°9 | 8°42 | 1°33 | 1°7 | 24°28 | 13°22 | |
| T 9 | 7 37 57 | 25°23'10 | 17°58 | 7°30 | 14°18 | 5°18 | 21°4 | 6°47 | 28°15 | 14°R9 | 8°42 | 1°27 | 1°4 | 24°35 | 13°26 | |
| F 10 | 7 41 53 | 26°24'09 | 2♌25 | 8°59 | 14°55 | 5°34 | 21°16 | 6°50 | 28°14 | 14°9 | 8°42 | 1°18 | 1°1 | 24°42 | 13°30 | |
| S 11 | 7 45 50 | 27°25'08 | 17°16 | 10°29 | 15°32 | 5°49 | 21°29 | 6°53 | 28°13 | 14°9 | 8°42 | 1°7 | 0°58 | 24°49 | 13°35 | |
| S 12 | 7 49 47 | 28°26'05 | 2♌24 | 11°59 | 16°11 | 6°4 | 21°41 | 6°56 | 28°12 | 14°8 | 8°42 | 0°55 | 0°55 | 24°55 | 13°39 | |
| M13 | 7 53 43 | 29°27'01 | 17°37 | 13°30 | 16°50 | 6°18 | 21°53 | 6°58 | 28°11 | 14°8 | 8°42 | 0°44 | 0°52 | 25°2 | 13°43 | |
| T 14 | 7 57 40 | 0♌27'56 | 2♌45 | 15°2 | 17°31 | 6°32 | 22°5 | 7°1 | 28°10 | 14°8 | 8°42 | 0°34 | 0°48 | 25°9 | 13°47 | |
| W15 | 8 1 36 | 1°28'50 | 17°39 | 16°35 | 18°13 | 6°45 | 22°18 | 7°3 | 28°9 | 14°8 | 8°42 | 0°26 | 0°45 | 25°15 | 13°52 | |
| T 16 | 8 5 33 | 2°29'42 | 2♍11 | 18°8 | 18°57 | 6°58 | 22°30 | 7°6 | 28°8 | 14°8 | 8°D42 | 0°22 | 0°42 | 25°22 | 13°56 | |
| F 17 | 8 9 29 | 3°30'32 | 16°18 | 19°43 | 19°41 | 7°10 | 22°42 | 7°8 | 28°7 | 14°7 | 8°42 | 0°20 | 0°39 | 25°29 | 14°0 | |
| S 18 | 8 13 26 | 4°31'21 | 0♌0 | 21°18 | 20°26 | 7°22 | 22°54 | 7°10 | 28°6 | 14°7 | 8°42 | 0°20 | 0°36 | 25°36 | 14°5 | |
| S 19 | 8 17 22 | 5°32'09 | 13°19 | 22°53 | 21°12 | 7°33 | 23°5 | 7°13 | 28°5 | 14°7 | 8°42 | 0°20 | 0°33 | 25°42 | 14°9 | |
| M20 | 8 21 19 | 6°32'54 | 26°17 | 24°30 | 21°59 | 7°44 | 23°17 | 7°15 | 28°4 | 14°6 | 8°42 | 0°18 | 0°29 | 25°49 | 14°13 | |
| T 21 | 8 25 16 | 7°33'39 | 8♍19 | 26°7 | 22°47 | 7°54 | 23°29 | 7°16 | 28°2 | 14°6 | 8°42 | 0°15 | 0°26 | 25°56 | 14°18 | |
| W22 | 8 29 12 | 8°34'21 | 21°28 | 27°45 | 23°35 | 8°3 | 23°40 | 7°18 | 28°1 | 14°6 | 8°42 | 0°9 | 0°23 | 26°2 | 14°22 | |
| T 23 | 8 33 9 | 9°35'02 | 3♌46 | 29°24 | 24°25 | 8°12 | 23°52 | 7°20 | 28°0 | 14°5 | 8°42 | 0°0 | 0°20 | 26°9 | 14°26 | |
| F 24 | 8 37 5 | 10°35'42 | 15°55 | 1♌4 | 25°15 | 8°20 | 24°4 | 7°22 | 27°58 | 14°5 | 8°42 | 29°Y48 | 0°17 | 26°16 | 14°31 | |
| S 25 | 8 41 2 | 11°36'20 | 27°59 | 2°44 | 26°6 | 8°28 | 24°15 | 7°23 | 27°57 | 14°4 | 8°43 | 29°34 | 0°13 | 26°23 | 14°35 | |
| S 26 | 8 44 58 | 12°36'56 | 9♍57 | 4°26 | 26°58 | 8°35 | 24°26 | 7°25 | 27°55 | 14°4 | 8°43 | 29°20 | 0°10 | 26°29 | 14°39 | |
| M27 | 8 48 55 | 13°37'31 | 21°52 | 6°8 | 27°51 | 8°42 | 24°37 | 7°26 | 27°54 | 14°3 | 8°43 | 29°6 | 0°7 | 26°36 | 14°44 | |
| T 28 | 8 52 52 | 14°38'04 | 3♍43 | 7°51 | 28°44 | 8°47 | 24°49 | 7°27 | 27°52 | 14°2 | 8°43 | 28°53 | 0°4 | 26°43 | 14°48 | |
| W29 | 8 56 48 | 15°38'35 | 15°34 | 9°35 | 29°37 | 8°52 | 25°0 | 7°28 | 27°50 | 14°2 | 8°44 | 28°43 | 0°1 | 26°49 | 14°52 | |
| T 30 | 9 0 45 | 16°39'05 | 27°25 | 11°20 | 0♌32 | 8°57 | 25°11 | 7°29 | 27°49 | 14°1 | 8°44 | 28°36 | 29°Y58 | 26°56 | 14°57 | |
| F 31 | 9 4 41 | 17°39'34 | 9♌21 | 13°6 | 1♌27 | 9♌1 | 25°21 | 7♍30 | 27°47 | 14♌0 | 8♌44 | 28°Y32 | 29°Y54 | 27°3 | 15°6 | |

Delta T = 16m03s Julian Calendar 1 Jan. 1130 == Greg. Calendar 8 Jan. 1130

FEBRUARY 1130 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|-------|-------|-------|------|-------|-------|--------|-------|------|--------|--------|-------|-------|---|
| S 1 | 9 8 38 | 18°40'01 | 21♌24 | 14♌53 | 2♌22 | 9♌4 | 25°32 | 7♍31 | 27°R45 | 14°R0 | 8♌44 | 28°R30 | 29°Y51 | 27°3 | 15°6 | |
| S 2 | 9 12 34 | 19°40'27 | 3♍39 | 16°41 | 3°18 | 9°6 | 25°43 | 7°32 | 27°43 | 13°59 | 8°45 | 28°D30 | 29°48 | 27°16 | 15°10 | |
| M 3 | 9 16 31 | 20°40'51 | 16°11 | 18°29 | 4°15 | 9°8 | 25°53 | 7°33 | 27°41 | 13°58 | 8°45 | 28°R30 | 29°45 | 27°23 | 15°14 | |
| T 4 | 9 20 27 | 21°41'15 | 29°5 | 20°19 | 5°12 | 9°9 | 26°4 | 7°33 | 27°39 | 13°57 | 8°46 | 28°Y30 | 29°42 | 27°30 | 15°18 | |
| W 5 | 9 24 24 | 22°41'36 | 12♌25 | 22°9 | 6°10 | 9°R9 | 26°14 | 7°34 | 27°37 | 13°56 | 8°46 | 28°28 | 29°38 | 27°36 | 15°23 | |
| T 6 | 9 28 21 | 23°41'57 | 26°14 | 24°1 | 7°8 | 9°8 | 26°25 | 7°34 | 27°36 | 13°56 | 8°46 | 28°24 | 29°35 | 27°43 | 15°27 | |
| F 7 | 9 32 17 | 24°42'15 | 10♌33 | 25°53 | 8°6 | 9°7 | 26°35 | 7°34 | 27°34 | 13°55 | 8°47 | 28°18 | 29°32 | 27°50 | 15°31 | |
| S 8 | 9 36 14 | 25°42'33 | 25°19 | 27°46 | 9°5 | 9°5 | 26°45 | 7°34 | 27°31 | 13°54 | 8°47 | 28°9 | 29°29 | 27°56 | 15°36 | |
| S 9 | 9 40 10 | 26°42'48 | 10♌26 | 29°40 | 10°5 | 9°2 | 26°55 | 7°R34 | 27°29 | 13°53 | 8°48 | 28°0 | 29°26 | 28°3 | 15°40 | |
| M10 | 9 44 7 | 27°43'02 | 25°44 | 1♌34 | 11°4 | 8°58 | 27°5 | 7°34 | 27°27 | 13°52 | 8°48 | 27°50 | 29°23 | 28°10 | 15°44 | |
| T 11 | 9 48 3 | 28°43'14 | 11♌3 | 3°30 | 12°5 | 8°54 | 27°14 | 7°34 | 27°25 | 13°51 | 8°49 | 27°42 | 29°19 | 28°17 | 15°49 | |
| W12 | 9 52 0 | 29°43'23 | 26°11 | 5°25 | 13°5 | 8°49 | 27°24 | 7°34 | 27°23 | 13°50 | 8°50 | 27°36 | 29°16 | 28°23 | 15°53 | |
| T 13 | 9 55 56 | 0♌43'31 | 10♍58 | 7°21 | 14°6 | 8°43 | 27°34 | 7°33 | 27°21 | 13°49 | 8°50 | 27°33 | 29°13 | 28°30 | 15°57 | |
| F 14 | 9 59 53 | 1°43'37 | 25°20 | 9°17 | 15°7 | 8°36 | 27°43 | 7°33 | 27°19 | 13°47 | 8°51 | 27°D32 | 29°10 | 28°37 | 16°1 | |
| S 15 | 10 3 50 | 2°43'40 | 9♌14 | 11°13 | 16°9 | 8°29 | 27°52 | 7°32 | 27°16 | 13°46 | 8°51 | 27°32 | 29°7 | 28°43 | 16°5 | |
| S 16 | 10 7 46 | 3°43'42 | 22°41 | 13°8 | 17°11 | 8°20 | 28°2 | 7°31 | 27°14 | 13°45 | 8°52 | 27°33 | 29°4 | 28°50 | 16°10 | |
| M17 | 10 11 43 | 4°43'41 | 5♍43 | 15°3 | 18°13 | 8°11 | 28°11 | 7°31 | 27°12 | 13°44 | 8°53 | 27°R33 | 29°0 | 28°57 | 16°14 | |
| T 18 | 10 15 39 | 5°43'38 | 18°24 | 16°58 | 19°15 | 8°1 | 28°20 | 7°30 | 27°9 | 13°43 | 8°53 | 27°32 | 28°57 | 29°3 | 16°18 | |
| W19 | 10 19 36 | 6°43'33 | 0♌48 | 18°51 | 20°18 | 7°51 | 28°28 | 7°29 | 27°7 | 13°42 | 8°54 | 27°29 | 28°54 | 29°10 | 16°22 | |
| T 20 | 10 23 32 | 7°43'25 | 12°59 | 20°42 | 21°21 | 7°40 | 28°37 | 7°27 | 27°5 | 13°40 | 8°55 | 27°24 | 28°51 | 29°17 | 16°26 | |
| F 21 | 10 27 29 | 8°43'15 | 25°2 | 22°31 | 22°24 | 7°28 | 28°46 | 7°26 | 27°2 | 13°39 | 8°56 | 27°17 | 28°48 | 29°24 | 16°30 | |
| S 22 | 10 31 25 | 9°43'03 | 6♍58 | 24°18 | 23°28 | 7°15 | 28°54 | 7°25 | 27°0 | 13°38 | 8°56 | 27°8 | 28°44 | 29°30 | 16°34 | |
| S 23 | 10 35 22 | 10°42'49 | 18°51 | 26°2 | 24°32 | 7°1 | 29°2 | 7°24 | 26°57 | 13°37 | 8°57 | 26°59 | 28°41 | 29°37 | 16°38 | |
| M24 | 10 39 19 | 11°42'33 | 0♍42 | 27°42 | 25°36 | 6°47 | 29°11 | 7°22 | 26°55 | 13°35 | 8°58 | 26°50 | 28°38 | 29°44 | 16°43 | |
| T 25 | 10 43 15 | 12°42'15 | 12°33 | 29°19 | 26°40 | 6°32 | 29°19 | 7°21 | 26°52 | 13°34 | 8°59 | 26°42 | 28°35 | 29°50 | 16°47 | |
| W26 | 10 47 12 | 13°41'54 | 24°27 | 0♍51 | 27°45 | 6°16 | 29°26 | 7°19 | 26°50 | 13°33 | 8°59 | 26°36 | 28°32 | 29°57 | 16°51 | |
| T 27 | 10 51 8 | 14°41'32 | 6♌24 | 2°18 | 28°49 | 6°0 | 29°34 | 7°17 | 26°47 | 13°31 | 9°0 | 26°32 | 28°29 | 0♍4 | 16°54 | |
| F 28 | 10 55 5 | 15°41'07 | 18♌27 | 3♍40 | 29♌54 | 5♌43 | 29°42 | 7♍15 | 26°45 | 13°30 | 9♌1 | 26°Y30 | 28°Y25 | 0♍11 | 16°6 | |

Delta T = 16m03s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [10.1.2003]

SWISS EPHEMERIS for the year 1130

MARCH 1130 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|-------|--------|-------|-------|-------|-------|--------|--------|------|--------|-------|------|-------|
| S 1 | 10 59 1 | 16X40'41 | 0M38 | 4Y56 | 0W59 | 5°R25 | 29A49 | 7°R13 | 26°R42 | 13°R28 | 9B 2 | 26Y29 | 28Y22 | 0M17 | 17W 2 |
| S 2 | 11 2 58 | 17°40'13 | 13° 0 | 6° 6 | 2° 5 | 5A 7 | 29°57 | 7M11 | 26M40 | 13A27 | 9° 3 | 26°30 | 28°19 | 0°24 | 17° 6 |
| M 3 | 11 6 54 | 18°39'43 | 25°36 | 7° 9 | 3°10 | 4°48 | 0Z 4 | 7° 9 | 26°37 | 13°25 | 9° 4 | 26°32 | 28°16 | 0°31 | 17°10 |
| T 4 | 11 10 51 | 19°39'11 | 8A31 | 8° 6 | 4°16 | 4°29 | 0°11 | 7° 7 | 26°35 | 13°24 | 9° 5 | 26°33 | 28°13 | 0°37 | 17°14 |
| W 5 | 11 14 47 | 20°38'37 | 21°47 | 8°55 | 5°22 | 4° 9 | 0°18 | 7° 4 | 26°32 | 13°23 | 9° 6 | 26°R34 | 28°10 | 0°44 | 17°18 |
| T 6 | 11 18 44 | 21°38'02 | 5Z37 | 9°38 | 6°28 | 3°49 | 0°25 | 7° 2 | 26°30 | 13°21 | 9° 7 | 26°33 | 28° 6 | 0°51 | 17°21 |
| F 7 | 11 22 41 | 22°37'25 | 19°33 | 10°12 | 7°35 | 3°28 | 0°31 | 7° 0 | 26°27 | 13°20 | 9° 8 | 26°31 | 28° 3 | 0°57 | 17°25 |
| S 8 | 11 26 37 | 23°36'46 | 4W 4 | 10°40 | 8°41 | 3° 7 | 0°38 | 6°57 | 26°24 | 13°18 | 9° 9 | 26°27 | 28° 0 | 1° 4 | 17°29 |
| S 9 | 11 30 34 | 24°36'06 | 18°54 | 10°59 | 9°48 | 2°45 | 0°44 | 6°54 | 26°22 | 13°17 | 9°10 | 26°22 | 27°57 | 1°11 | 17°33 |
| M10 | 11 34 30 | 25°35'23 | 3X59 | 11°11 | 10°55 | 2°23 | 0°50 | 6°52 | 26°19 | 13°15 | 9°11 | 26°18 | 27°54 | 1°18 | 17°36 |
| T 11 | 11 38 27 | 26°34'38 | 19° 9 | 11°R16 | 12° 1 | 2° 1 | 0°56 | 6°49 | 26°17 | 13°13 | 9°12 | 26°14 | 27°50 | 1°24 | 17°40 |
| W12 | 11 42 23 | 27°33'51 | 4Y13 | 11°13 | 13° 9 | 1°39 | 1° 2 | 6°46 | 26°14 | 13°12 | 9°13 | 26°11 | 27°47 | 1°31 | 17°43 |
| T 13 | 11 46 20 | 28°33'02 | 19° 4 | 11° 4 | 14°16 | 1°16 | 1° 8 | 6°43 | 26°11 | 13°10 | 9°14 | 26°D10 | 27°44 | 1°38 | 17°47 |
| F 14 | 11 50 16 | 29°32'11 | 3B33 | 10°47 | 15°23 | 0°53 | 1°14 | 6°40 | 26° 9 | 13° 9 | 9°15 | 26°10 | 27°41 | 1°44 | 17°50 |
| S 15 | 11 54 13 | 0Y31'18 | 17°36 | 10°25 | 16°31 | 0°30 | 1°19 | 6°37 | 26° 6 | 13° 7 | 9°16 | 26°11 | 27°38 | 1°51 | 17°54 |
| S 16 | 11 58 10 | 1°30'22 | 1II12 | 9°56 | 17°38 | 0° 7 | 1°24 | 6°33 | 26° 4 | 13° 6 | 9°17 | 26°12 | 27°35 | 1°58 | 17°57 |
| M17 | 12 2 6 | 2°29'25 | 14°22 | 9°23 | 18°46 | 29M44 | 1°29 | 6°30 | 26° 1 | 13° 4 | 9°18 | 26°14 | 27°31 | 2° 4 | 18° 1 |
| T 18 | 12 6 3 | 3°28'24 | 27° 9 | 8°46 | 19°54 | 29°20 | 1°34 | 6°27 | 25°59 | 13° 2 | 9°19 | 26°15 | 27°28 | 2°11 | 18° 4 |
| W19 | 12 9 59 | 4°27'22 | 9B35 | 8° 5 | 21° 2 | 28°57 | 1°39 | 6°23 | 25°56 | 13° 1 | 9°20 | 26°R15 | 27°25 | 2°18 | 18° 7 |
| T 20 | 12 13 56 | 5°26'17 | 21°47 | 7°21 | 22°10 | 28°34 | 1°43 | 6°20 | 25°53 | 12°59 | 9°22 | 26°14 | 27°22 | 2°25 | 18°11 |
| F 21 | 12 17 52 | 6°25'10 | 3A47 | 6°36 | 23°18 | 28°12 | 1°48 | 6°16 | 25°51 | 12°57 | 9°23 | 26°12 | 27°19 | 2°31 | 18°14 |
| S 22 | 12 21 49 | 7°24'00 | 15°41 | 5°50 | 24°26 | 27°49 | 1°52 | 6°13 | 25°48 | 12°56 | 9°24 | 26° 9 | 27°16 | 2°38 | 18°17 |
| S 23 | 12 25 45 | 8°22'49 | 27°32 | 5° 4 | 25°35 | 27°27 | 1°56 | 6° 9 | 25°46 | 12°54 | 9°25 | 26° 7 | 27°12 | 2°45 | 18°20 |
| M24 | 12 29 42 | 9°21'34 | 9M23 | 4°18 | 26°43 | 27° 5 | 2° 0 | 6° 5 | 25°43 | 12°53 | 9°26 | 26° 4 | 27° 9 | 2°51 | 18°23 |
| T 25 | 12 33 39 | 10°20'18 | 21°16 | 3°35 | 27°52 | 26°43 | 2° 4 | 6° 2 | 25°41 | 12°51 | 9°27 | 26° 1 | 27° 6 | 2°58 | 18°26 |
| W26 | 12 37 35 | 11°19'00 | 3A15 | 2°54 | 29° 0 | 26°21 | 2° 7 | 5°58 | 25°38 | 12°49 | 9°29 | 26° 0 | 27° 3 | 3° 5 | 18°29 |
| T 27 | 12 41 32 | 12°17'39 | 15°22 | 2°16 | 0X 9 | 26° 0 | 2°10 | 5°54 | 25°36 | 12°48 | 9°30 | 25°59 | 27° 0 | 3°11 | 18°32 |
| F 28 | 12 45 28 | 13°16'17 | 27°36 | 1°41 | 1°18 | 25°40 | 2°14 | 5°50 | 25°34 | 12°46 | 9°31 | 25°D58 | 26°56 | 3°18 | 18°35 |
| S 29 | 12 49 25 | 14°14'53 | 10M 2 | 1°11 | 2°27 | 25°20 | 2°17 | 5°46 | 25°31 | 12°44 | 9°32 | 25°59 | 26°53 | 3°25 | 18°38 |
| S 30 | 12 53 21 | 15°13'27 | 22°39 | 0°45 | 3°36 | 25° 0 | 2°19 | 5°42 | 25°29 | 12°43 | 9°34 | 26° 0 | 26°50 | 3°31 | 18°41 |
| M31 | 12 57 18 | 16Y11'59 | 5A30 | 0Y24 | 4X45 | 24M41 | 2Z22 | 5M38 | 25M26 | 12A41 | 9B35 | 26Y 0 | 26Y47 | 3M38 | 18A44 |

Delta T = 16m02s Julian Calendar 1 March 1130 == Greg. Calendar 8 March 1130

APRIL 1130 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|-------|--------|-------|--------|-------|-------|--------|--------|-------|--------|-------|------|-------|
| T 1 | 13 1 14 | 17Y10'30 | 18A36 | 0°R 8 | 5X55 | 24°R22 | 2Z24 | 5°R34 | 25°R24 | 12°R39 | 9B36 | 26Y 1 | 26Y44 | 3M45 | 18A47 |
| W 2 | 13 5 11 | 18° 8'58 | 1Z58 | 29X57 | 7° 4 | 24M 4 | 2°27 | 5M30 | 25M22 | 12A38 | 9°37 | 26° 2 | 26°41 | 3°52 | 18°49 |
| T 3 | 13 9 8 | 19° 7'26 | 15°38 | 29°50 | 8°13 | 23°47 | 2°29 | 5°25 | 25°19 | 12°36 | 9°39 | 26°R 2 | 26°37 | 3°58 | 18°52 |
| F 4 | 13 13 4 | 20° 5'51 | 29°37 | 29°D49 | 9°23 | 23°30 | 2°31 | 5°21 | 25°17 | 12°35 | 9°40 | 26° 2 | 26°34 | 4° 5 | 18°54 |
| S 5 | 13 17 1 | 21° 4'15 | 13W52 | 29°53 | 10°32 | 23°14 | 2°32 | 5°17 | 25°15 | 12°33 | 9°41 | 26° 2 | 26°31 | 4°12 | 18°57 |
| S 6 | 13 20 57 | 22° 2'38 | 28°23 | 0Y 2 | 11°42 | 22°59 | 2°34 | 5°13 | 25°13 | 12°31 | 9°42 | 26° 1 | 26°28 | 4°18 | 18°59 |
| M 7 | 13 24 54 | 23° 0'58 | 13X 4 | 0°16 | 12°52 | 22°44 | 2°35 | 5° 8 | 25°10 | 12°30 | 9°44 | 26° 1 | 26°25 | 4°25 | 19° 2 |
| T 8 | 13 28 50 | 23°59'17 | 27°51 | 0°34 | 14° 1 | 22°30 | 2°36 | 5° 4 | 25° 8 | 12°28 | 9°45 | 26° 1 | 26°21 | 4°32 | 19° 4 |
| W 9 | 13 32 47 | 24°57'35 | 12Y36 | 0°57 | 15°11 | 22°17 | 2°37 | 5° 0 | 25° 6 | 12°27 | 9°46 | 26° 1 | 26°18 | 4°38 | 19° 7 |
| T 10 | 13 36 43 | 25°55'50 | 27°12 | 1°24 | 16°21 | 22° 5 | 2°38 | 4°55 | 25° 4 | 12°25 | 9°48 | 26° 1 | 26°15 | 4°45 | 19° 9 |
| F 11 | 13 40 40 | 26°54'04 | 11B33 | 1°56 | 17°31 | 21°53 | 2°39 | 4°51 | 25° 2 | 12°23 | 9°49 | 26° 1 | 26°12 | 4°52 | 19°11 |
| S 12 | 13 44 37 | 27°52'16 | 25°34 | 2°31 | 18°41 | 21°42 | 2°39 | 4°46 | 25° 0 | 12°22 | 9°50 | 26° 1 | 26° 9 | 4°58 | 19°13 |
| S 13 | 13 48 33 | 28°50'26 | 9II13 | 3°11 | 19°51 | 21°32 | 2°39 | 4°42 | 24°58 | 12°20 | 9°52 | 26° 0 | 26° 6 | 5° 5 | 19°15 |
| M14 | 13 52 30 | 29°48'35 | 22°27 | 3°54 | 21° 1 | 21°23 | 2°R39 | 4°37 | 24°56 | 12°19 | 9°53 | 26° 0 | 26° 2 | 5°12 | 19°18 |
| T 15 | 13 56 26 | 0B46'41 | 5B18 | 4°40 | 22°11 | 21°14 | 2°39 | 4°33 | 24°54 | 12°17 | 9°54 | 26° 0 | 25°59 | 5°19 | 19°20 |
| W16 | 14 0 23 | 1°44'45 | 17°49 | 5°31 | 23°22 | 21° 7 | 2°39 | 4°28 | 24°52 | 12°16 | 9°56 | 25°59 | 25°56 | 5°25 | 19°22 |
| T 17 | 14 4 19 | 2°42'48 | 0A 4 | 6°24 | 24°32 | 21° 0 | 2°38 | 4°24 | 24°50 | 12°14 | 9°57 | 25°D59 | 25°53 | 5°32 | 19°23 |
| F 18 | 14 8 16 | 3°40'48 | 12° 6 | 7°20 | 25°42 | 20°54 | 2°37 | 4°19 | 24°48 | 12°13 | 9°58 | 25°59 | 25°50 | 5°39 | 19°25 |
| S 19 | 14 12 12 | 4°38'47 | 24° 0 | 8°20 | 26°53 | 20°49 | 2°37 | 4°15 | 24°46 | 12°11 | 10° 0 | 25°59 | 25°47 | 5°45 | 19°27 |
| S 20 | 14 16 9 | 5°36'43 | 5M50 | 9°23 | 28° 3 | 20°44 | 2°35 | 4°10 | 24°45 | 12°10 | 10° 1 | 26° 0 | 25°43 | 5°52 | 19°29 |
| M21 | 14 20 6 | 6°34'38 | 17°42 | 10°28 | 29°14 | 20°40 | 2°34 | 4° 6 | 24°43 | 12° 8 | 10° 2 | 26° 1 | 25°40 | 5°59 | 19°30 |
| T 22 | 14 24 2 | 7°32'31 | 29°39 | 11°36 | 0Y24 | 20°38 | 2°34 | 4° 1 | 24°41 | 12° 7 | 10° 4 | 26° 2 | 25°37 | 6° 5 | 19°32 |
| W23 | 14 27 59 | 8°30'22 | 11A44 | 12°47 | 1°35 | 20°36 | 2°31 | 3°57 | 24°40 | 12° 5 | 10° 5 | 26° 3 | 25°34 | 6°12 | 19°34 |
| T 24 | 14 31 55 | 9°28'11 | 24° 1 | 14° 0 | 2°45 | 20°34 | 2°29 | 3°53 | 24°38 | 12° 4 | 10° 6 | 26°R 4 | 25°31 | 6°19 | 19°35 |
| F 25 | 14 35 52 | 10°25'59 | 6M30 | 15°16 | 3°56 | 20°D34 | 2°27 | 3°48 | 24°36 | 12° 2 | 10° 8 | 26° 3 | 25°27 | 6°25 | 19°37 |
| S 26 | 14 39 48 | 11°23'46 | 19°14 | 16°35 | 5° 7 | 20°34 | 2°25 | 3°44 | 24°35 | 12° 1 | 10° 9 | 26° 2 | 25°24 | 6°32 | 19°38 |
| S 27 | 14 43 45 | 12°21'31 | 2A12 | 17°56 | 6°17 | 20°35 | 2°22 | 3°39 | 24°33 | 12° 0 | 10°11 | 26° 1 | 25°21 | 6°39 | 19°39 |
| M28 | 14 47 41 | 13°19'15 | 15°25 | 19°19 | 7°28 | 20°37 | 2°20 | 3°35 | 24°32 | 11°58 | 10°12 | 25°58 | 25°18 | 6°46 | 19°41 |
| T 29 | 14 51 38 | 14°16'58 | 28°52 | 20°45 | 8°39 | 20°39 | 2°17 | 3°30 | 24°31 | 11°57 | 10°13 | 25°56 | 25°15 | 6°52 | 19°42 |
| W30 | 14 55 35 | 15B14'39 | 12Z32 | 22Y13 | 9Y50 | 20M43 | 2Z14 | 3M26 | 24M29 | 11A56 | 10B15 | 25Y54 | 25Y12 | 6M59 | 19A43 |

Delta T = 16m02s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1130

MAY 1130 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|--------|--------|-------|--------|-------|-------|--------|
| T 1 | 14 59 31 | 16♁12'19 | 26♁23 | 23♁43 | 11♁ 1 | 20♁47 | 2°R11 | 3°R22 | 24°R28 | 11°R54 | 10♁16 | 25°R52 | 25♁ 8 | 7♁ 6 | 19♁44 |
| F 2 | 15 3 28 | 17° 9'59 | 10♁23 | 25°16 | 12°12 | 20°51 | 2♁ 8 | 3♁17 | 24♁27 | 11♁53 | 10°17 | 25°♁51 | 25° 5 | 7°12 | 19°45 |
| S 3 | 15 7 24 | 18° 7'37 | 24°33 | 26°51 | 13°23 | 20°57 | 2° 4 | 3°13 | 24°25 | 11°52 | 10°19 | 25°D51 | 25° 2 | 7°19 | 19°46 |
| S 4 | 15 11 21 | 19° 5'14 | 8♁48 | 28°28 | 14°34 | 21° 3 | 2° 1 | 3° 9 | 24°24 | 11°51 | 10°20 | 25°52 | 24°59 | 7°26 | 19°47 |
| M 5 | 15 15 17 | 20° 2'50 | 23° 8 | 0♁ 7 | 15°45 | 21° 9 | 1°57 | 3° 5 | 24°23 | 11°49 | 10°21 | 25°53 | 24°56 | 7°32 | 19°48 |
| T 6 | 15 19 14 | 21° 0'25 | 7♁29 | 1°49 | 16°56 | 21°17 | 1°53 | 3° 0 | 24°22 | 11°48 | 10°23 | 25°54 | 24°53 | 7°39 | 19°49 |
| W 7 | 15 23 10 | 21°58'00 | 21°47 | 3°33 | 18° 7 | 21°25 | 1°49 | 2°56 | 24°21 | 11°47 | 10°24 | 25°R55 | 24°49 | 7°46 | 19°49 |
| T 8 | 15 27 7 | 22°55'33 | 5♁59 | 5°19 | 19°19 | 21°34 | 1°44 | 2°52 | 24°20 | 11°46 | 10°25 | 25°55 | 24°46 | 7°52 | 19°50 |
| F 9 | 15 31 4 | 23°53'05 | 20° 0 | 7° 8 | 20°30 | 21°43 | 1°40 | 2°48 | 24°19 | 11°45 | 10°27 | 25°53 | 24°43 | 7°59 | 19°51 |
| S 10 | 15 35 0 | 24°50'36 | 3♁47 | 8°59 | 21°41 | 21°53 | 1°35 | 2°44 | 24°18 | 11°44 | 10°28 | 25°50 | 24°40 | 8° 6 | 19°51 |
| S 11 | 15 38 57 | 25°48'07 | 17°16 | 10°52 | 22°52 | 22° 4 | 1°30 | 2°40 | 24°18 | 11°42 | 10°29 | 25°46 | 24°37 | 8°13 | 19°52 |
| M12 | 15 42 53 | 26°45'35 | 0♁25 | 12°47 | 24° 4 | 22°15 | 1°25 | 2°36 | 24°17 | 11°41 | 10°31 | 25°41 | 24°33 | 8°19 | 19°52 |
| T 13 | 15 46 50 | 27°43'03 | 13°15 | 14°44 | 25°15 | 22°27 | 1°20 | 2°32 | 24°16 | 11°40 | 10°32 | 25°36 | 24°30 | 8°26 | 19°52 |
| W14 | 15 50 46 | 28°40'30 | 25°47 | 16°43 | 26°27 | 22°40 | 1°15 | 2°29 | 24°15 | 11°39 | 10°33 | 25°32 | 24°27 | 8°33 | 19°53 |
| T 15 | 15 54 43 | 29°37'55 | 8♁ 2 | 18°45 | 27°38 | 22°53 | 1°10 | 2°25 | 24°15 | 11°38 | 10°35 | 25°28 | 24°24 | 8°39 | 19°53 |
| F 16 | 15 58 39 | 0♁35'19 | 20° 5 | 20°48 | 28°49 | 23° 7 | 1° 4 | 2°21 | 24°14 | 11°37 | 10°36 | 25°26 | 24°21 | 8°46 | 19°53 |
| S 17 | 16 2 36 | 1°32'42 | 1♁59 | 22°53 | 0♁ 1 | 23°21 | 0°59 | 2°18 | 24°14 | 11°37 | 10°37 | 25°D26 | 24°18 | 8°53 | 19°53 |
| S 18 | 16 6 33 | 2°30'04 | 13°50 | 24°59 | 1°13 | 23°36 | 0°53 | 2°14 | 24°13 | 11°36 | 10°38 | 25°26 | 24°14 | 8°59 | 19°R53 |
| M19 | 16 10 29 | 3°27'24 | 25°42 | 27° 7 | 2°24 | 23°51 | 0°47 | 2°10 | 24°13 | 11°35 | 10°40 | 25°28 | 24°11 | 9° 6 | 19°53 |
| T 20 | 16 14 26 | 4°24'43 | 7♁41 | 29°17 | 3°36 | 24° 7 | 0°41 | 2° 7 | 24°12 | 11°34 | 10°41 | 25°29 | 24° 8 | 9°13 | 19°53 |
| W21 | 16 18 22 | 5°22'02 | 19°51 | 1♁27 | 4°47 | 24°23 | 0°35 | 2° 4 | 24°12 | 11°33 | 10°42 | 25°R30 | 24° 5 | 9°19 | 19°53 |
| T 22 | 16 22 19 | 6°19'19 | 2♁16 | 3°38 | 5°59 | 24°40 | 0°28 | 2° 0 | 24°12 | 11°32 | 10°43 | 25°30 | 24° 2 | 9°26 | 19°53 |
| F 23 | 16 26 15 | 7°16'36 | 14°58 | 5°50 | 7°11 | 24°57 | 0°22 | 1°57 | 24°12 | 11°32 | 10°45 | 25°28 | 23°59 | 9°33 | 19°52 |
| S 24 | 16 30 12 | 8°13'52 | 28° 0 | 8° 2 | 8°22 | 25°15 | 0°16 | 1°54 | 24°12 | 11°31 | 10°46 | 25°25 | 23°55 | 9°39 | 19°52 |
| S 25 | 16 34 8 | 9°11'07 | 11♁20 | 10°14 | 9°34 | 25°34 | 0° 9 | 1°51 | 24°11 | 11°30 | 10°47 | 25°20 | 23°52 | 9°46 | 19°52 |
| M26 | 16 38 5 | 10° 8'22 | 24°58 | 12°25 | 10°46 | 25°52 | 0° 2 | 1°48 | 24°D11 | 11°29 | 10°48 | 25°13 | 23°49 | 9°53 | 19°51 |
| T 27 | 16 42 2 | 11° 5'36 | 8♁52 | 14°36 | 11°58 | 26°12 | 29♁55 | 1°45 | 24°11 | 11°29 | 10°50 | 25° 6 | 23°46 | 9°59 | 19°51 |
| W28 | 16 45 58 | 12° 2'49 | 22°56 | 16°46 | 13°10 | 26°31 | 29°49 | 1°42 | 24°11 | 11°28 | 10°51 | 24°59 | 23°43 | 10° 6 | 19°50 |
| T 29 | 16 49 55 | 13° 0'03 | 7♁ 7 | 18°55 | 14°21 | 26°52 | 29°42 | 1°39 | 24°12 | 11°28 | 10°52 | 24°53 | 23°39 | 10°13 | 19°50 |
| F 30 | 16 53 51 | 13°57'16 | 21°21 | 21° 3 | 15°33 | 27°12 | 29°34 | 1°36 | 24°12 | 11°27 | 10°53 | 24°49 | 23°36 | 10°20 | 19°49 |
| S 31 | 16 57 48 | 14♁54'28 | 5♁35 | 23♁10 | 16♁45 | 27♁33 | 29♁27 | 1♁34 | 24♁12 | 11♁26 | 10♁54 | 24♁47 | 23♁33 | 10♁26 | 19♁48 |

Delta T = 16m02s Julian Calendar 1 May 1130 == Greg. Calendar 8 May 1130

JUNE 1130 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|--------|-------|-------|-------|--------|-------|-------|--------|-------|--------|--------|-------|--------|
| S 1 | 17 1 44 | 15♁11'41 | 19♁46 | 25♁15 | 17♁57 | 27♁55 | 29°R20 | 1°R31 | 24♁12 | 11°R26 | 10♁55 | 24°♁46 | 23°♁30 | 10♁33 | 19°R47 |
| M 2 | 17 5 41 | 16°48'53 | 3♁52 | 27°18 | 19° 9 | 28°16 | 29♁13 | 1♁28 | 24°13 | 11♁25 | 10°57 | 24°47 | 23°27 | 10°40 | 19°47 |
| T 3 | 17 9 37 | 17°46'05 | 17°53 | 29°19 | 20°21 | 28°39 | 29° 5 | 1°26 | 24°13 | 11°25 | 10°58 | 24°R48 | 23°24 | 10°46 | 19°46 |
| W 4 | 17 13 34 | 18°43'18 | 1♁47 | 1♁19 | 21°33 | 29° 1 | 28°58 | 1°24 | 24°13 | 11°25 | 10°59 | 24°48 | 23°20 | 10°53 | 19°45 |
| T 5 | 17 17 31 | 19°40'30 | 15°33 | 3°16 | 22°46 | 29°24 | 28°51 | 1°21 | 24°14 | 11°24 | 11° 0 | 24°46 | 23°17 | 11° 0 | 19°44 |
| F 6 | 17 21 27 | 20°37'42 | 29° 9 | 5°12 | 23°58 | 29°48 | 28°43 | 1°19 | 24°14 | 11°24 | 11° 1 | 24°42 | 23°14 | 11° 6 | 19°43 |
| S 7 | 17 25 24 | 21°34'54 | 12♁34 | 7° 5 | 25°10 | 0♁11 | 28°35 | 1°17 | 24°15 | 11°24 | 11° 2 | 24°35 | 23°11 | 11°13 | 19°41 |
| S 8 | 17 29 20 | 22°32'06 | 25°46 | 8°56 | 26°22 | 0°36 | 28°28 | 1°15 | 24°16 | 11°23 | 11° 3 | 24°27 | 23° 8 | 11°20 | 19°40 |
| M 9 | 17 33 17 | 23°29'18 | 8♁42 | 10°45 | 27°34 | 1° 0 | 28°20 | 1°13 | 24°16 | 11°23 | 11° 4 | 24°17 | 23° 5 | 11°26 | 19°39 |
| T 10 | 17 37 13 | 24°26'29 | 21°23 | 12°32 | 28°47 | 1°25 | 28°13 | 1°11 | 24°17 | 11°23 | 11° 5 | 24° 6 | 23° 1 | 11°33 | 19°38 |
| W11 | 17 41 10 | 25°23'40 | 3♁49 | 14°17 | 29°59 | 1°50 | 28° 5 | 1°10 | 24°18 | 11°23 | 11° 6 | 23°57 | 22°58 | 11°40 | 19°36 |
| T 12 | 17 45 7 | 26°20'51 | 16° 1 | 16° 0 | 1♁11 | 2°16 | 27°57 | 1° 8 | 24°19 | 11°22 | 11° 7 | 23°48 | 22°55 | 11°46 | 19°35 |
| F 13 | 17 49 3 | 27°18'02 | 28° 2 | 17°40 | 2°24 | 2°42 | 27°50 | 1° 7 | 24°20 | 11°22 | 11° 8 | 23°42 | 22°52 | 11°53 | 19°33 |
| S 14 | 17 53 0 | 28°15'12 | 9♁55 | 19°18 | 3°36 | 3° 8 | 27°42 | 1° 5 | 24°21 | 11°22 | 11° 9 | 23°38 | 22°49 | 12° 0 | 19°32 |
| S 15 | 17 56 56 | 29°12'22 | 21°45 | 20°55 | 4°48 | 3°34 | 27°34 | 1° 4 | 24°22 | 11°22 | 11°10 | 23°36 | 22°45 | 12° 6 | 19°30 |
| M16 | 18 0 53 | 0♁ 9'31 | 3♁36 | 22°29 | 6° 1 | 4° 1 | 27°27 | 1° 2 | 24°23 | 11°22 | 11°11 | 23°D36 | 22°42 | 12°13 | 19°28 |
| T 17 | 18 4 49 | 1° 6'41 | 15°35 | 24° 0 | 7°13 | 4°28 | 27°19 | 1° 1 | 24°24 | 11°D22 | 11°12 | 23°37 | 22°39 | 12°20 | 19°27 |
| W18 | 18 8 46 | 2° 3'50 | 27°46 | 25°30 | 8°26 | 4°56 | 27°11 | 1° 0 | 24°25 | 11°22 | 11°13 | 23°R37 | 22°36 | 12°26 | 19°25 |
| T 19 | 18 12 42 | 3° 1'00 | 10♁14 | 26°57 | 9°38 | 5°24 | 27° 4 | 0°59 | 24°26 | 11°22 | 11°14 | 23°36 | 22°33 | 12°33 | 19°23 |
| F 20 | 18 16 39 | 3°58'09 | 23° 4 | 28°22 | 10°51 | 5°52 | 26°56 | 0°58 | 24°27 | 11°22 | 11°15 | 23°32 | 22°30 | 12°40 | 19°21 |
| S 21 | 18 20 36 | 4°55'18 | 6♁17 | 29°45 | 12° 3 | 6°20 | 26°48 | 0°58 | 24°29 | 11°22 | 11°16 | 23°27 | 22°26 | 12°46 | 19°19 |
| S 22 | 18 24 32 | 5°52'28 | 19°55 | 1♁ 5 | 13°16 | 6°49 | 26°41 | 0°57 | 24°30 | 11°22 | 11°17 | 23°18 | 22°23 | 12°53 | 19°18 |
| M23 | 18 28 29 | 6°49'38 | 3♁55 | 2°24 | 14°29 | 7°18 | 26°33 | 0°56 | 24°31 | 11°23 | 11°17 | 23° 8 | 22°20 | 13° 0 | 19°16 |
| T 24 | 18 32 25 | 7°46'48 | 18°14 | 3°39 | 15°41 | 7°47 | 26°26 | 0°56 | 24°33 | 11°23 | 11°18 | 22°58 | 22°17 | 13° 7 | 19°14 |
| W25 | 18 36 22 | 8°43'58 | 2♁45 | 4°52 | 16°54 | 8°16 | 26°19 | 0°55 | 24°34 | 11°23 | 11°19 | 22°47 | 22°14 | 13°13 | 19°11 |
| T 26 | 18 40 18 | 9°41'09 | 17°21 | 6° 3 | 18° 7 | 8°46 | 26°11 | 0°55 | 24°36 | 11°23 | 11°20 | 22°38 | 22°11 | 13°20 | 19° 9 |
| F 27 | 18 44 15 | 10°38'20 | 1♁57 | 7°11 | 19°20 | 9°16 | 26° 4 | 0°55 | 24°37 | 11°24 | 11°21 | 22°31 | 22° 7 | 13°27 | 19° 7 |
| S 28 | 18 48 11 | 11°35'32 | 16°25 | 8°17 | 20°32 | 9°46 | 25°57 | 0°55 | 24°39 | 11°24 | 11°21 | 22°27 | 22° 4 | 13°33 | 19° 5 |
| S 29 | 18 52 8 | 12°32'45 | 0♁42 | 9°19 | 21°45 | 10°16 | 25°50 | 0°D55 | 24°41 | 11°24 | 11°22 | 22°26 | 22° 1 | 13°40 | 19° 3 |
| M30 | 18 56 5 | 13♁29'59 | 14°♁46 | 10♁19 | 22♁58 | 10♁47 | 25♁43 | 0♁55 | 24♁43 | 11♁25 | 11♁23 | 22°♁25 | 21°♁58 | 13♁47 | 19♁ 0 |

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SWISS EPHEMERIS for the year 1130

JULY 1130 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---|
| T 1 | 19 0 1 | 14 ⁵² 27'13 | 28 ^Y 37 | 11 ^Ω 16 | 24 ^{II} 11 | 11 [♁] 18 | 25°R36 | 0 [♁] 55 | 24 [♁] 44 | 11 [♁] 25 | 11 [♁] 24 | 22°R25 | 21 ^Y 55 | 13 [♁] 53 | 18°R58 | |
| W 2 | 19 3 58 | 15°24'28 | 12 [♁] 15 | 12° 9 | 25°24 | 11°49 | 25 [♁] 29 | 0°55 | 24°46 | 11°26 | 11°24 | 22 ^Y 24 | 21°51 | 14° 0 | 18 [♁] 56 | |
| T 3 | 19 7 54 | 16°21'44 | 25°41 | 13° 0 | 26°37 | 12°21 | 25°22 | 0°55 | 24°48 | 11°26 | 11°25 | 22°21 | 21°48 | 14° 7 | 18°53 | |
| F 4 | 19 11 51 | 17°19'01 | 8 ^{II} 55 | 13°47 | 27°50 | 12°52 | 25°15 | 0°56 | 24°50 | 11°27 | 11°26 | 22°15 | 21°45 | 14°13 | 18°51 | |
| S 5 | 19 15 47 | 18°16'19 | 21°58 | 14°31 | 29° 3 | 13°24 | 25° 9 | 0°56 | 24°52 | 11°27 | 11°26 | 22° 7 | 21°42 | 14°20 | 18°48 | |
| S 6 | 19 19 44 | 19°13'38 | 4 [♁] 49 | 15°11 | 0 [♁] 16 | 13°56 | 25° 2 | 0°57 | 24°54 | 11°28 | 11°27 | 21°56 | 21°39 | 14°27 | 18°46 | |
| M 7 | 19 23 40 | 20°10'58 | 17°29 | 15°47 | 1°29 | 14°29 | 24°56 | 0°58 | 24°56 | 11°29 | 11°28 | 21°43 | 21°36 | 14°33 | 18°43 | |
| T 8 | 19 27 37 | 21° 8'18 | 29°56 | 16°19 | 2°43 | 15° 1 | 24°50 | 0°59 | 24°58 | 11°29 | 11°28 | 21°29 | 21°32 | 14°40 | 18°41 | |
| W 9 | 19 31 34 | 22° 5'39 | 12 ^Ω 12 | 16°47 | 3°56 | 15°34 | 24°44 | 1° 0 | 25° 0 | 11°30 | 11°29 | 21°17 | 21°29 | 14°47 | 18°38 | |
| T 10 | 19 35 30 | 23° 3'00 | 24°17 | 17°10 | 5° 9 | 16° 7 | 24°38 | 1° 1 | 25° 3 | 11°31 | 11°29 | 21° 6 | 21°26 | 14°53 | 18°35 | |
| F 11 | 19 39 27 | 24° 0'23 | 6 [♁] 13 | 17°30 | 6°22 | 16°40 | 24°32 | 1° 2 | 25° 5 | 11°32 | 11°30 | 20°57 | 21°23 | 15° 0 | 18°33 | |
| S 12 | 19 43 23 | 24°57'46 | 18° 3 | 17°44 | 7°36 | 17°14 | 24°26 | 1° 3 | 25° 7 | 11°32 | 11°30 | 20°51 | 21°20 | 15° 7 | 18°30 | |
| S 13 | 19 47 20 | 25°55'09 | 29°51 | 17°54 | 8°49 | 17°47 | 24°21 | 1° 4 | 25° 9 | 11°33 | 11°31 | 20°48 | 21°17 | 15°13 | 18°27 | |
| M14 | 19 51 16 | 26°52'34 | 11 [♁] 41 | 17°R58 | 10° 2 | 18°21 | 24°15 | 1° 6 | 25°12 | 11°34 | 11°31 | 20°46 | 21°13 | 15°20 | 18°24 | |
| T 15 | 19 55 13 | 27°49'59 | 23°38 | 17°58 | 11°16 | 18°55 | 24°10 | 1° 7 | 25°14 | 11°35 | 11°32 | 20°46 | 21°10 | 15°27 | 18°22 | |
| W16 | 19 59 9 | 28°47'24 | 5 [♁] 47 | 17°52 | 12°29 | 19°29 | 24° 5 | 1° 9 | 25°17 | 11°36 | 11°32 | 20°46 | 21° 7 | 15°33 | 18°19 | |
| T 17 | 20 3 6 | 29°44'51 | 18°15 | 17°41 | 13°43 | 20° 4 | 24° 0 | 1°11 | 25°19 | 11°37 | 11°32 | 20°45 | 21° 4 | 15°40 | 18°16 | |
| F 18 | 20 7 3 | 0 ^Ω 42'18 | 1 [♁] 5 | 17°24 | 14°56 | 20°38 | 23°55 | 1°13 | 25°22 | 11°38 | 11°33 | 20°42 | 21° 1 | 15°47 | 18°13 | |
| S 19 | 20 10 59 | 1°39'46 | 14°22 | 17° 3 | 16°10 | 21°13 | 23°50 | 1°14 | 25°24 | 11°39 | 11°33 | 20°36 | 20°57 | 15°53 | 18°10 | |
| S 20 | 20 14 56 | 2°37'16 | 28° 6 | 16°36 | 17°23 | 21°48 | 23°46 | 1°16 | 25°27 | 11°40 | 11°34 | 20°29 | 20°54 | 16° 0 | 18° 7 | |
| M21 | 20 18 52 | 3°34'46 | 12 [♁] 19 | 16° 4 | 18°37 | 22°23 | 23°41 | 1°19 | 25°29 | 11°41 | 11°34 | 20°19 | 20°51 | 16° 7 | 18° 4 | |
| T 22 | 20 22 49 | 4°32'17 | 26°54 | 15°28 | 19°50 | 22°59 | 23°37 | 1°21 | 25°32 | 11°42 | 11°34 | 20° 8 | 20°48 | 16°13 | 18° 1 | |
| W23 | 20 26 45 | 5°29'49 | 11 [♁] 46 | 14°48 | 21° 4 | 23°34 | 23°33 | 1°23 | 25°35 | 11°43 | 11°35 | 19°58 | 20°45 | 16°20 | 17°58 | |
| T 24 | 20 30 42 | 6°27'23 | 26°45 | 14° 4 | 22°18 | 24°10 | 23°29 | 1°25 | 25°38 | 11°44 | 11°35 | 19°49 | 20°42 | 16°27 | 17°55 | |
| F 25 | 20 34 39 | 7°24'57 | 11 [♁] 43 | 13°17 | 23°31 | 24°46 | 23°26 | 1°28 | 25°40 | 11°45 | 11°35 | 19°42 | 20°38 | 16°33 | 17°52 | |
| S 26 | 20 38 35 | 8°22'34 | 26°31 | 12°28 | 24°45 | 25°22 | 23°22 | 1°30 | 25°43 | 11°47 | 11°35 | 19°38 | 20°35 | 16°40 | 17°49 | |
| S 27 | 20 42 32 | 9°20'11 | 11 ^Y 3 | 11°38 | 25°59 | 25°58 | 23°19 | 1°33 | 25°46 | 11°48 | 11°35 | 19°36 | 20°32 | 16°47 | 17°46 | |
| M28 | 20 46 28 | 10°17'51 | 25°15 | 10°47 | 27°13 | 26°34 | 23°15 | 1°36 | 25°49 | 11°49 | 11°36 | 19°D36 | 20°29 | 16°53 | 17°43 | |
| T 29 | 20 50 25 | 11°15'32 | 9 [♁] 8 | 9°57 | 28°27 | 27°11 | 23°12 | 1°38 | 25°52 | 11°50 | 11°36 | 19°R36 | 20°26 | 17° 0 | 17°40 | |
| W30 | 20 54 21 | 12°13'14 | 22°41 | 9° 9 | 29°40 | 27°47 | 23°10 | 1°41 | 25°55 | 11°52 | 11°36 | 19°36 | 20°23 | 17° 7 | 17°37 | |
| T 31 | 20 58 18 | 13 ^Ω 10'59 | 5 ^{II} 56 | 8 ^Ω 23 | 0 ^Ω 54 | 28 [♁] 24 | 23 [♁] 7 | 1 [♁] 44 | 25 [♁] 58 | 11 [♁] 53 | 11 [♁] 36 | 19 ^Y 34 | 20 ^Y 19 | 17 [♁] 13 | 17 [♁] 34 | |

Delta T = 16m01s Julian Calendar 1 July 1130 == Greg. Calendar 8 July 1130

AUGUST 1130 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|-----------------------|---------------------|-------------------|-------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---|
| F 1 | 21 2 14 | 14 ^Ω 8'45 | 18 ^{II} 56 | 7°R41 | 2 ^Ω 8 | 29 [♁] 1 | 23°R 5 | 1 [♁] 47 | 26 [♁] 1 | 11 [♁] 54 | 11 [♁] 36 | 19°R29 | 20 ^Y 16 | 17 [♁] 20 | 17°R31 | |
| S 2 | 21 6 11 | 15° 6'33 | 1 [♁] 41 | 7 ^Ω 3 | 3°22 | 29°38 | 23 [♁] 2 | 1°51 | 26° 4 | 11°56 | 11°36 | 19 ^Y 22 | 20°13 | 17°27 | 17 [♁] 28 | |
| S 3 | 21 10 8 | 16° 4'22 | 14°15 | 6°30 | 4°36 | 0 [♁] 16 | 23° 0 | 1°54 | 26° 7 | 11°57 | 11°36 | 19°13 | 20°10 | 17°33 | 17°25 | |
| M 4 | 21 14 4 | 17° 2'13 | 26°38 | 6° 4 | 5°50 | 0°53 | 22°58 | 1°57 | 26°10 | 11°59 | 11°36 | 19° 2 | 20° 7 | 17°40 | 17°22 | |
| T 5 | 21 18 1 | 18° 0'06 | 8 ^Ω 52 | 5°44 | 7° 5 | 1°31 | 22°56 | 2° 1 | 26°13 | 12° 0 | 11°R36 | 18°50 | 20° 3 | 17°47 | 17°19 | |
| W 6 | 21 21 57 | 18°58'00 | 20°56 | 5°31 | 8°19 | 2° 8 | 22°55 | 2° 4 | 26°16 | 12° 2 | 11°36 | 18°39 | 20° 0 | 17°53 | 17°16 | |
| T 7 | 21 25 54 | 19°55'56 | 2 [♁] 54 | 5°D26 | 9°33 | 2°46 | 22°54 | 2° 8 | 26°20 | 12° 3 | 11°36 | 18°30 | 19°57 | 18° 0 | 17°13 | |
| F 8 | 21 29 50 | 20°53'53 | 14°45 | 5°29 | 10°47 | 3°24 | 22°52 | 2°11 | 26°23 | 12° 5 | 11°36 | 18°23 | 19°54 | 18° 7 | 17°10 | |
| S 9 | 21 33 47 | 21°51'52 | 26°33 | 5°40 | 12° 1 | 4° 3 | 22°51 | 2°15 | 26°26 | 12° 6 | 11°36 | 18°18 | 19°51 | 18°13 | 17° 7 | |
| S 10 | 21 37 43 | 22°49'52 | 8 [♁] 19 | 5°59 | 13°15 | 4°41 | 22°51 | 2°19 | 26°29 | 12° 8 | 11°36 | 18°15 | 19°48 | 18°20 | 17° 4 | |
| M11 | 21 41 40 | 23°47'54 | 20° 9 | 6°27 | 14°30 | 5°19 | 22°50 | 2°23 | 26°33 | 12° 9 | 11°36 | 18°D15 | 19°44 | 18°27 | 17° 0 | |
| T 12 | 21 45 36 | 24°45'57 | 2 [♁] 5 | 7° 2 | 15°44 | 5°58 | 22°50 | 2°27 | 26°36 | 12°11 | 11°36 | 18°15 | 19°41 | 18°33 | 16°57 | |
| W13 | 21 49 33 | 25°44'02 | 14°14 | 7°45 | 16°58 | 6°37 | 22°49 | 2°31 | 26°39 | 12°13 | 11°36 | 18°16 | 19°38 | 18°40 | 16°54 | |
| T 14 | 21 53 30 | 26°42'08 | 26°39 | 8°36 | 18°13 | 7°16 | 22°D49 | 2°35 | 26°43 | 12°14 | 11°36 | 18°R17 | 19°35 | 18°47 | 16°51 | |
| F 15 | 21 57 26 | 27°40'16 | 9 [♁] 26 | 9°35 | 19°27 | 7°55 | 22°50 | 2°39 | 26°46 | 12°16 | 11°35 | 18°16 | 19°32 | 18°53 | 16°48 | |
| S 16 | 22 1 23 | 28°38'25 | 22°38 | 10°40 | 20°41 | 8°34 | 22°50 | 2°43 | 26°50 | 12°18 | 11°35 | 18°14 | 19°28 | 19° 0 | 16°45 | |
| S 17 | 22 5 19 | 29°36'35 | 6 [♁] 20 | 11°52 | 21°56 | 9°13 | 22°51 | 2°48 | 26°53 | 12°19 | 11°35 | 18° 9 | 19°25 | 19° 7 | 16°42 | |
| M18 | 22 9 16 | 0 [♁] 34'48 | 20°31 | 13°10 | 23°10 | 9°53 | 22°51 | 2°52 | 26°57 | 12°21 | 11°35 | 18° 3 | 19°22 | 19°13 | 16°40 | |
| T 19 | 22 13 12 | 1°33'01 | 5 [♁] 9 | 14°34 | 24°25 | 10°32 | 22°52 | 2°57 | 27° 0 | 12°23 | 11°34 | 17°56 | 19°19 | 19°20 | 16°37 | |
| W20 | 22 17 9 | 2°31'17 | 20° 7 | 16° 2 | 25°39 | 11°12 | 22°53 | 3° 1 | 27° 4 | 12°25 | 11°34 | 17°49 | 19°16 | 19°27 | 16°34 | |
| T 21 | 22 21 6 | 3°29'34 | 5 [♁] 19 | 17°36 | 26°53 | 11°52 | 22°55 | 3° 6 | 27° 7 | 12°27 | 11°34 | 17°43 | 19°13 | 19°33 | 16°31 | |
| F 22 | 22 25 2 | 4°27'53 | 20°32 | 19°13 | 28° 8 | 12°32 | 22°56 | 3°11 | 27°11 | 12°28 | 11°33 | 17°39 | 19° 9 | 19°40 | 16°28 | |
| S 23 | 22 28 59 | 5°26'14 | 5 ^Y 37 | 20°53 | 29°23 | 13°12 | 22°58 | 3°15 | 27°14 | 12°30 | 11°33 | 17°36 | 19° 6 | 19°47 | 16°25 | |
| S 24 | 22 32 55 | 6°24'37 | 20°26 | 22°37 | 0 [♁] 37 | 13°52 | 23° 0 | 3°20 | 27°18 | 12°32 | 11°33 | 17°D36 | 19° 3 | 19°53 | 16°22 | |
| M25 | 22 36 52 | 7°23'02 | 4 [♁] 54 | 24°23 | 1°52 | 14°32 | 23° 2 | 3°25 | 27°21 | 12°34 | 11°32 | 17°37 | 19° 0 | 20° 0 | 16°19 | |
| T 26 | 22 40 48 | 8°21'29 | 18°56 | 26°11 | 3° 6 | 15°13 | 23° 4 | 3°30 | 27°25 | 12°36 | 11°32 | 17°38 | 18°57 | 20° 7 | 16°17 | |
| W27 | 22 44 45 | 9°19'59 | 2 ^{II} 35 | 28° 0 | 4°21 | 15°53 | 23° 6 | 3°35 | 27°29 | 12°38 | 11°32 | 17°39 | 18°54 | 20°13 | 16°14 | |
| T 28 | 22 48 41 | 10°18'30 | 15°49 | 29°51 | 5°36 | 16°34 | 23° 9 | 3°40 | 27°32 | 12°40 | 11°31 | 17°R39 | 18°50 | 20°20 | 16°11 | |
| F 29 | 22 52 38 | 11°17'04 | 28°44 | 1 [♁] 42 | 6°50 | 17°15 | 23°12 | 3°45 | 27°36 | 12°42 | 11°31 | 17°38 | 18°47 | 20°27 | 16° 9 | |
| S 30 | 22 56 34 | 12°15'41 | 11 [♁] 21 | 3°34 | 8° 5 | 17°56 | 23°15 | 3°51 | 27°40 | 12°44 | 11°30 | 17°35 | 18°44 | 20°33 | 16° 6 | |
| S 31 | 23 0 31 | 13 [♁] 14'19 | 23 [♁] 43 | 5 [♁] 26 | 9 [♁] 20 | 18 [♁] 37 | 23 [♁] 18 | 3 [♁] 56 | 27 [♁] 43 | 12 [♁] 46 | 11 [♁] 30 | 17 ^Y 30 | 18 ^Y 41 | 20 [♁] 40 | 16 [♁] 3 | |

Delta T = 16m01s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1130

SEPTEMBER 1130 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|--------|-------|-------|-------|-------|------|-------|-------|--------|--------|--------|--------|--------|
| M 1 | 23 4 28 | 14♐13'00 | 5♌55 | 7♍19 | 10♐35 | 19♌18 | 23♌21 | 4♌ 1 | 27♍47 | 12♌48 | 11°R29 | 17°R25 | 18°Y38 | 20♍47 | 16°R 1 |
| T 2 | 23 8 24 | 15°11'43 | 17°57 | 9°11 | 11°49 | 19°59 | 23°25 | 4° 7 | 27°51 | 12°50 | 11♌29 | 17°Y19 | 18°34 | 20°53 | 15°58 |
| W 3 | 23 12 21 | 16°10'28 | 29°53 | 11° 2 | 13° 4 | 20°40 | 23°28 | 4°12 | 27°54 | 12°52 | 11°28 | 17°13 | 18°31 | 21° 0 | 15°56 |
| T 4 | 23 16 17 | 17° 9'15 | 11♐44 | 12°53 | 14°19 | 21°22 | 23°32 | 4°18 | 27°58 | 12°54 | 11°27 | 17° 8 | 18°28 | 21° 7 | 15°53 |
| F 5 | 23 20 14 | 18° 8'04 | 23°32 | 14°44 | 15°34 | 22° 3 | 23°36 | 4°23 | 28° 2 | 12°56 | 11°27 | 17° 5 | 18°25 | 21°13 | 15°51 |
| S 6 | 23 24 10 | 19° 6'55 | 5♌20 | 16°34 | 16°49 | 22°45 | 23°41 | 4°29 | 28° 6 | 12°58 | 11°26 | 17° 3 | 18°22 | 21°20 | 15°48 |
| S 7 | 23 28 7 | 20° 5'48 | 17° 9 | 18°23 | 18° 4 | 23°27 | 23°45 | 4°35 | 28° 9 | 13° 0 | 11°26 | 17°D 2 | 18°19 | 21°27 | 15°46 |
| M 8 | 23 32 3 | 21° 4'43 | 29° 2 | 20°12 | 19°18 | 24° 9 | 23°50 | 4°40 | 28°13 | 13° 2 | 11°25 | 17° 2 | 18°15 | 21°33 | 15°44 |
| T 9 | 23 36 0 | 22° 3'39 | 11♌ 3 | 22° 0 | 20°33 | 24°51 | 23°54 | 4°46 | 28°17 | 13° 4 | 11°24 | 17° 4 | 18°12 | 21°40 | 15°41 |
| W10 | 23 39 57 | 23° 2'38 | 23°14 | 23°47 | 21°48 | 25°33 | 23°59 | 4°52 | 28°21 | 13° 7 | 11°24 | 17° 6 | 18° 9 | 21°47 | 15°39 |
| T 11 | 23 43 53 | 24° 1'39 | 5♌41 | 25°33 | 23° 3 | 26°15 | 24° 4 | 4°58 | 28°24 | 13° 9 | 11°23 | 17° 7 | 18° 6 | 21°53 | 15°37 |
| F 12 | 23 47 50 | 25° 0'41 | 18°26 | 27°18 | 24°18 | 26°57 | 24°10 | 5° 4 | 28°28 | 13°11 | 11°22 | 17° 8 | 18° 3 | 22° 0 | 15°35 |
| S 13 | 23 51 46 | 25°59'46 | 1♌33 | 29° 2 | 25°33 | 27°40 | 24°15 | 5°10 | 28°32 | 13°13 | 11°21 | 17°R 8 | 18° 0 | 22° 7 | 15°33 |
| S 14 | 23 55 43 | 26°58'52 | 15° 6 | 0♌46 | 26°48 | 28°22 | 24°21 | 5°16 | 28°36 | 13°15 | 11°21 | 17° 7 | 17°56 | 22°13 | 15°31 |
| M15 | 23 59 39 | 27°58'00 | 29° 6 | 2°28 | 28° 3 | 29° 5 | 24°26 | 5°22 | 28°39 | 13°17 | 11°20 | 17° 5 | 17°53 | 22°20 | 15°29 |
| T 16 | 0 3 36 | 28°57'09 | 13♌33 | 4°10 | 29°18 | 29°18 | 29°47 | 5°28 | 28°43 | 13°20 | 11°19 | 17° 3 | 17°50 | 22°27 | 15°27 |
| W17 | 0 7 32 | 29°56'21 | 28°22 | 5°51 | 0♌33 | 0♌30 | 24°38 | 5°35 | 28°47 | 13°22 | 11°18 | 17° 1 | 17°47 | 22°33 | 15°25 |
| T 18 | 0 11 29 | 0♌55'34 | 13♌28 | 7°31 | 1°48 | 1°13 | 24°45 | 5°41 | 28°51 | 13°24 | 11°17 | 16°59 | 17°44 | 22°40 | 15°23 |
| F 19 | 0 15 26 | 1°54'49 | 28°41 | 9°10 | 3° 3 | 1°56 | 24°51 | 5°47 | 28°55 | 13°26 | 11°17 | 16°58 | 17°40 | 22°47 | 15°21 |
| S 20 | 0 19 22 | 2°54'07 | 13°Y53 | 10°49 | 4°18 | 2°39 | 24°58 | 5°54 | 28°58 | 13°28 | 11°16 | 16°D57 | 17°37 | 22°53 | 15°19 |
| S 21 | 0 23 19 | 3°53'26 | 28°52 | 12°27 | 5°33 | 3°22 | 25° 4 | 6° 0 | 29° 2 | 13°31 | 11°15 | 16°57 | 17°34 | 23° 0 | 15°18 |
| M22 | 0 27 15 | 4°52'48 | 13♌33 | 14° 4 | 6°48 | 4° 5 | 25°11 | 6° 6 | 29° 6 | 13°33 | 11°14 | 16°58 | 17°31 | 23° 7 | 15°16 |
| T 23 | 0 31 12 | 5°52'12 | 27°48 | 15°40 | 8° 3 | 4°49 | 25°18 | 6°13 | 29°10 | 13°35 | 11°13 | 16°59 | 17°28 | 23°13 | 15°14 |
| W24 | 0 35 8 | 6°51'39 | 11♌37 | 17°16 | 9°18 | 5°32 | 25°25 | 6°19 | 29°13 | 13°37 | 11°12 | 17° 0 | 17°25 | 23°20 | 15°13 |
| T 25 | 0 39 5 | 7°51'07 | 24°59 | 18°51 | 10°33 | 6°16 | 25°32 | 6°26 | 29°17 | 13°39 | 11°11 | 17° 0 | 17°21 | 23°27 | 15°11 |
| F 26 | 0 43 1 | 8°50'39 | 7♌57 | 20°25 | 11°48 | 6°59 | 25°40 | 6°32 | 29°21 | 13°42 | 11°10 | 17°R 1 | 17°18 | 23°33 | 15°10 |
| S 27 | 0 46 58 | 9°50'12 | 20°33 | 21°59 | 13° 4 | 7°43 | 25°48 | 6°39 | 29°25 | 13°44 | 11°10 | 17° 1 | 17°15 | 23°40 | 15° 9 |
| S 28 | 0 50 55 | 10°49'48 | 2♌51 | 23°32 | 14°19 | 8°27 | 25°55 | 6°46 | 29°28 | 13°46 | 11° 9 | 17° 0 | 17°12 | 23°47 | 15° 7 |
| M29 | 0 54 51 | 11°49'26 | 14°57 | 25° 4 | 15°34 | 9°10 | 26° 3 | 6°52 | 29°32 | 13°48 | 11° 8 | 16°59 | 17° 9 | 23°53 | 15° 6 |
| T 30 | 0 58 48 | 12°49'07 | 26♌53 | 26°36 | 16°49 | 9°54 | 26°11 | 6♌59 | 29°36 | 13°51 | 11♌ 7 | 16°Y59 | 17°Y 6 | 24°Y 0 | 15°5 5 |

Delta T = 16m00s Julian Calendar 1 Sept. 1130 == Greg. Calendar 8 Sept. 1130

OCTOBER 1130 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| W 1 | 1 2 44 | 13♌48'49 | 8♍43 | 28♌ 7 | 18♌ 4 | 10♌38 | 26♌19 | 7♌ 6 | 29°40 | 13♌53 | 11°R 6 | 16°R58 | 17°Y 2 | 24°Y 6 | 15°R 4 |
| T 2 | 1 6 41 | 14°48'34 | 20°31 | 29°38 | 19°19 | 11°22 | 26°28 | 7°12 | 29°43 | 13°55 | 11♌ 5 | 16°Y58 | 16°59 | 24°13 | 15°5 3 |
| F 3 | 1 10 37 | 15°48'21 | 2♌19 | 1♌ 7 | 20°34 | 12° 6 | 26°36 | 7°19 | 29°47 | 13°57 | 11° 4 | 16°58 | 16°56 | 24°20 | 15° 2 |
| S 4 | 1 14 34 | 16°48'10 | 14°10 | 2°37 | 21°50 | 12°51 | 26°44 | 7°26 | 29°51 | 14° 0 | 11° 3 | 16°58 | 16°53 | 24°26 | 15° 1 |
| S 5 | 1 18 30 | 17°48'01 | 26° 6 | 4° 5 | 23° 5 | 13°35 | 26°53 | 7°33 | 29°54 | 14° 2 | 11° 2 | 16°58 | 16°50 | 24°33 | 15° 0 |
| M 6 | 1 22 27 | 18°47'54 | 8♌ 9 | 5°33 | 24°20 | 14°19 | 27° 2 | 7°40 | 29°58 | 14° 4 | 11° 1 | 16°58 | 16°46 | 24°40 | 14°59 |
| T 7 | 1 26 24 | 19°47'49 | 20°21 | 7° 1 | 25°35 | 15° 4 | 27°11 | 7°47 | 0♌ 2 | 14° 6 | 11° 0 | 16°57 | 16°43 | 24°46 | 14°58 |
| W 8 | 1 30 20 | 20°47'46 | 2♌43 | 8°27 | 26°50 | 15°48 | 27°20 | 7°54 | 0° 5 | 14° 9 | 10°59 | 16°57 | 16°40 | 24°53 | 14°57 |
| T 9 | 1 34 17 | 21°47'44 | 15°18 | 9°54 | 28° 5 | 16°33 | 27°29 | 8° 0 | 0° 9 | 14°11 | 10°58 | 16°56 | 16°37 | 25° 0 | 14°57 |
| F 10 | 1 38 13 | 22°47'45 | 28° 9 | 11°19 | 29°21 | 17°18 | 27°38 | 8° 7 | 0°12 | 14°13 | 10°56 | 16°56 | 16°34 | 25° 6 | 14°56 |
| S 11 | 1 42 10 | 23°47'47 | 11♌17 | 12°43 | 0♌36 | 18° 2 | 27°48 | 8°14 | 0°16 | 14°15 | 10°55 | 16°55 | 16°31 | 25°13 | 14°56 |
| S 12 | 1 46 6 | 24°47'51 | 24°45 | 14° 7 | 1°51 | 18°47 | 27°57 | 8°21 | 0°19 | 14°17 | 10°54 | 16°D55 | 16°27 | 25°20 | 14°55 |
| M13 | 1 50 3 | 25°47'56 | 8♌34 | 15°30 | 3° 6 | 19°32 | 28° 7 | 8°28 | 0°23 | 14°20 | 10°53 | 16°55 | 16°24 | 25°26 | 14°55 |
| T 14 | 1 53 59 | 26°48'03 | 22°43 | 16°52 | 4°21 | 20°17 | 28°17 | 8°35 | 0°26 | 14°22 | 10°52 | 16°56 | 16°21 | 25°33 | 14°54 |
| W15 | 1 57 56 | 27°48'11 | 7♌13 | 18°13 | 5°37 | 21° 2 | 28°27 | 8°42 | 0°30 | 14°24 | 10°51 | 16°57 | 16°18 | 25°40 | 14°54 |
| T 16 | 2 1 53 | 28°48'21 | 21°59 | 19°33 | 6°52 | 21°47 | 28°37 | 8°49 | 0°33 | 14°26 | 10°50 | 16°58 | 16°15 | 25°46 | 14°54 |
| F 17 | 2 5 49 | 29°48'33 | 6°Y55 | 20°52 | 8° 7 | 22°32 | 28°47 | 8°57 | 0°37 | 14°28 | 10°49 | 16°58 | 16°11 | 25°53 | 14°54 |
| S 18 | 2 9 46 | 0♌48'46 | 21°55 | 22°10 | 9°22 | 23°17 | 28°57 | 9° 4 | 0°40 | 14°31 | 10°48 | 16°R59 | 16° 8 | 26° 0 | 14°54 |
| S 19 | 2 13 42 | 1°49'01 | 6♌49 | 23°26 | 10°37 | 24° 3 | 29° 7 | 9°11 | 0°44 | 14°33 | 10°47 | 16°58 | 16° 5 | 26° 6 | 14°D53 |
| M20 | 2 17 39 | 2°49'18 | 21°31 | 24°41 | 11°53 | 24°48 | 29°18 | 9°18 | 0°47 | 14°35 | 10°46 | 16°57 | 16° 2 | 26°13 | 14°54 |
| T 21 | 2 21 35 | 3°49'37 | 5♌52 | 25°54 | 13° 8 | 25°33 | 29°28 | 9°25 | 0°50 | 14°37 | 10°44 | 16°54 | 15°59 | 26°20 | 14°54 |
| W22 | 2 25 32 | 4°49'58 | 19°49 | 27° 5 | 14°23 | 26°19 | 29°39 | 9°32 | 0°54 | 14°39 | 10°43 | 16°52 | 15°56 | 26°26 | 14°54 |
| T 23 | 2 29 28 | 5°50'20 | 3♌19 | 28°14 | 15°38 | 27° 4 | 29°50 | 9°39 | 0°57 | 14°41 | 10°42 | 16°49 | 15°52 | 26°33 | 14°54 |
| F 24 | 2 33 25 | 6°50'45 | 16°23 | 29°21 | 16°53 | 27°50 | 0♌ 1 | 9°46 | 1° 0 | 14°43 | 10°41 | 16°47 | 15°49 | 26°40 | 14°54 |
| S 25 | 2 37 22 | 7°51'12 | 29° 4 | 0♌25 | 18° 9 | 28°35 | 0°12 | 9°53 | 1° 3 | 14°46 | 10°40 | 16°46 | 15°46 | 26°46 | 14°55 |
| S 26 | 2 41 18 | 8°51'40 | 11♌24 | 1°25 | 19°24 | 29°21 | 0°23 | 10° 1 | 1° 7 | 14°48 | 10°39 | 16°D46 | 15°43 | 26°53 | 14°55 |
| M27 | 2 45 15 | 9°52'11 | 23°29 | 2°23 | 20°39 | 0♌ 6 | 0°34 | 10° 8 | 1°10 | 14°50 | 10°38 | 16°47 | 15°40 | 27° 0 | 14°56 |
| T 28 | 2 49 11 | 10°52'43 | 5♌23 | 3°16 | 21°54 | 0°52 | 0°45 | 10°15 | 1°13 | 14°52 | 10°37 | 16°48 | 15°37 | 27° 6 | 14°56 |
| W29 | 2 53 8 | 11°53'17 | 17°12 | 4° 6 | 23° 9 | 1°38 | 0°56 | 10°22 | 1°16 | 14°54 | 10°35 | 16°50 | 15°33 | 27°13 | 14°57 |
| T 30 | 2 57 4 | 12°53'53 | 28°59 | 4°50 | 24°25 | 2°24 | 1° 8 | 10°29 | 1°19 | 14°56 | 10°34 | 16°52 | 15°30 | 27°19 | 14°57 |
| F 31 | 3 1 1 | 13♌54'30 | 10♌49 | 5♌29 | 25♌40 | 3♌10 | 1♌19 | 10♌36 | 1°22 | 14°58 | 10♌33 | 16°R53 | 15°Y27 | 27°Y26 | 14°58 |

Delta T = 16m00s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 1130

NOVEMBER 1130 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|---------|----------|-------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|-------|---|---|
| S 1 | 3 4 57 | 14♌55'10 | 22♋45 | 6♁ 1 | 26♍55 | 3♃56 | 1♃31 | 10♌43 | 1♌25 | 15♌ 0 | 10°R32 | 16°R53 | 15°Y24 | 27♎33 | 14♏59 | | |
| S 2 | 3 8 54 | 15°55'50 | 4♌51 | 6°27 | 28°10 | 4°42 | 1°43 | 10°50 | 1°28 | 15° 2 | 10♌31 | 16°Y51 | 15°21 | 27°39 | 15° 0 | | |
| M 3 | 3 12 51 | 16°56'33 | 17° 7 | 6°44 | 29°25 | 5°28 | 1°54 | 10°57 | 1°31 | 15° 4 | 10°30 | 16°48 | 15°17 | 27°46 | 15° 1 | | |
| T 4 | 3 16 47 | 17°57'17 | 29°35 | 6°54 | 0♁41 | 6°14 | 2° 6 | 11° 5 | 1°34 | 15° 6 | 10°29 | 16°44 | 15°14 | 27°53 | 15° 2 | | |
| W 5 | 3 20 44 | 18°58'02 | 12♁16 | 6°R54 | 1°56 | 7° 0 | 2°18 | 11°12 | 1°37 | 15° 8 | 10°28 | 16°38 | 15°11 | 27°59 | 15° 3 | | |
| T 6 | 3 24 40 | 19°58'49 | 25°10 | 6°44 | 3°11 | 7°46 | 2°30 | 11°19 | 1°40 | 15°10 | 10°26 | 16°32 | 15° 8 | 28° 6 | 15° 4 | | |
| F 7 | 3 28 37 | 20°59'36 | 8♃17 | 6°24 | 4°26 | 8°32 | 2°42 | 11°26 | 1°42 | 15°12 | 10°25 | 16°27 | 15° 5 | 28°13 | 15° 5 | | |
| S 8 | 3 32 33 | 22° 0'25 | 21°37 | 5°52 | 5°41 | 9°19 | 2°54 | 11°33 | 1°45 | 15°14 | 10°24 | 16°22 | 15° 2 | 28°19 | 15° 6 | | |
| S 9 | 3 36 30 | 23° 1'15 | 5♏10 | 5°10 | 6°57 | 10° 5 | 3° 7 | 11°40 | 1°48 | 15°15 | 10°23 | 16°19 | 14°58 | 28°26 | 15° 8 | | |
| M10 | 3 40 26 | 24° 2'06 | 18°56 | 4°18 | 8°12 | 10°51 | 3°19 | 11°47 | 1°51 | 15°17 | 10°22 | 16°D18 | 14°55 | 28°33 | 15° 9 | | |
| T 11 | 3 44 23 | 25° 2'57 | 2♁55 | 3°15 | 9°27 | 11°38 | 3°31 | 11°54 | 1°53 | 15°19 | 10°21 | 16°18 | 14°52 | 28°39 | 15°10 | | |
| W12 | 3 48 20 | 26° 3'50 | 17° 6 | 2° 4 | 10°42 | 12°24 | 3°44 | 12° 1 | 1°56 | 15°21 | 10°20 | 16°19 | 14°49 | 28°46 | 15°12 | | |
| T 13 | 3 52 16 | 27° 4'43 | 1°Y28 | 0°47 | 11°57 | 13°11 | 3°56 | 12° 8 | 1°58 | 15°23 | 10°19 | 16°20 | 14°46 | 28°53 | 15°13 | | |
| F 14 | 3 56 13 | 28° 5'37 | 15°58 | 29♌25 | 13°12 | 13°57 | 4° 9 | 12°15 | 2° 1 | 15°25 | 10°18 | 16°R21 | 14°43 | 28°59 | 15°15 | | |
| S 15 | 4 0 9 | 29° 6'32 | 0♃32 | 28° 3 | 14°28 | 14°43 | 4°22 | 12°22 | 2° 3 | 15°26 | 10°17 | 16°20 | 14°39 | 29° 6 | 15°17 | | |
| S 16 | 4 4 6 | 0♁ 7'28 | 29° 6 | 26°41 | 15°43 | 15°30 | 4°34 | 12°29 | 2° 6 | 15°28 | 10°16 | 16°17 | 14°36 | 29°13 | 15°18 | | |
| M17 | 4 8 2 | 1° 8'25 | 29°32 | 25°24 | 16°58 | 16°17 | 4°47 | 12°36 | 2° 8 | 15°30 | 10°15 | 16°12 | 14°33 | 29°19 | 15°20 | | |
| T 18 | 4 11 59 | 2° 9'23 | 13♌44 | 24°13 | 18°13 | 17° 3 | 5° 0 | 12°43 | 2°11 | 15°31 | 10°14 | 16° 5 | 14°30 | 29°26 | 15°22 | | |
| W19 | 4 15 55 | 3°10'22 | 27°38 | 23°11 | 19°28 | 17°50 | 5°13 | 12°49 | 2°13 | 15°33 | 10°12 | 15°57 | 14°27 | 29°33 | 15°24 | | |
| T 20 | 4 19 52 | 4°11'23 | 11♃ 9 | 22°18 | 20°43 | 18°36 | 5°26 | 12°56 | 2°15 | 15°35 | 10°11 | 15°48 | 14°23 | 29°39 | 15°26 | | |
| F 21 | 4 23 49 | 5°12'24 | 24°16 | 21°37 | 21°58 | 19°23 | 5°39 | 13° 3 | 2°17 | 15°36 | 10°10 | 15°41 | 14°20 | 29°46 | 15°28 | | |
| S 22 | 4 27 45 | 6°13'26 | 7♌ 0 | 21° 7 | 23°14 | 20°10 | 5°52 | 13°10 | 2°20 | 15°38 | 10° 9 | 15°35 | 14°17 | 29°52 | 15°30 | | |
| S 23 | 4 31 42 | 7°14'29 | 19°23 | 20°48 | 24°29 | 20°56 | 6° 5 | 13°17 | 2°22 | 15°40 | 10° 8 | 15°31 | 14°14 | 29°59 | 15°32 | | |
| M24 | 4 35 38 | 8°15'33 | 1♎30 | 20°D40 | 25°44 | 21°43 | 6°18 | 13°23 | 2°24 | 15°41 | 10° 7 | 15°29 | 14°11 | 0♌ 6 | 15°34 | | |
| T 25 | 4 39 35 | 9°16'39 | 13°25 | 20°42 | 26°59 | 22°30 | 6°31 | 13°30 | 2°26 | 15°43 | 10° 6 | 15°D28 | 14° 8 | 0°12 | 15°36 | | |
| W26 | 4 43 31 | 10°17'45 | 25°14 | 20°54 | 28°14 | 23°17 | 6°45 | 13°37 | 2°28 | 15°44 | 10° 6 | 15°29 | 14° 4 | 0°19 | 15°39 | | |
| T 27 | 4 47 28 | 11°18'52 | 7♌ 1 | 21°15 | 29°29 | 24° 4 | 6°58 | 13°43 | 2°30 | 15°46 | 10° 5 | 15°30 | 14° 1 | 0°26 | 15°41 | | |
| F 28 | 4 51 24 | 12°20'00 | 18°53 | 21°43 | 0♃44 | 24°50 | 7°11 | 13°50 | 2°32 | 15°47 | 10° 4 | 15°R31 | 13°58 | 0°32 | 15°43 | | |
| S 29 | 4 55 21 | 13°21'09 | 0♌54 | 22°19 | 1°59 | 25°37 | 7°25 | 13°56 | 2°33 | 15°48 | 10° 3 | 15°29 | 13°55 | 0°39 | 15°46 | | |
| S 30 | 4 59 18 | 14♁22'18 | 13♌ 7 | 23♌ 1 | 3♃14 | 26♃24 | 7♃38 | 14♌ 3 | 2♌35 | 15♌50 | 10♌ 2 | 15°Y25 | 13°Y52 | 0♌46 | 15♌48 | | |

Delta T = 16m00s Julian Calendar 1 Nov. 1130 == Greg. Calendar 8 Nov. 1130

DECEMBER 1130 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|---------|----------|--------|-------|-------|-------|-------|-------|------|-------|--------|--------|--------|------|-------|---|---|
| M 1 | 5 3 14 | 15♁23'28 | 25♌36 | 23♌49 | 4♃29 | 27♃11 | 7♃52 | 14♌ 9 | 2♌37 | 15♌51 | 10°R 1 | 15°R19 | 13°Y49 | 0♌52 | 15♏51 | | |
| T 2 | 5 7 11 | 16°24'39 | 8♁22 | 24°42 | 5°44 | 27°58 | 8° 5 | 14°16 | 2°39 | 15°52 | 10♌ 0 | 15°Y10 | 13°45 | 0°59 | 15°53 | | |
| W 3 | 5 11 7 | 17°25'51 | 21°25 | 25°39 | 6°59 | 28°45 | 8°19 | 14°22 | 2°40 | 15°54 | 9°59 | 14°59 | 13°42 | 1° 6 | 15°56 | | |
| T 4 | 5 15 4 | 18°27'03 | 4♃43 | 26°40 | 8°14 | 29°32 | 8°32 | 14°28 | 2°42 | 15°55 | 9°58 | 14°48 | 13°39 | 1°12 | 15°59 | | |
| F 5 | 5 19 0 | 19°28'15 | 18°16 | 27°44 | 9°30 | 0♁19 | 8°46 | 14°35 | 2°43 | 15°56 | 9°57 | 14°37 | 13°36 | 1°19 | 16° 2 | | |
| S 6 | 5 22 57 | 20°29'27 | 1♏59 | 28°51 | 10°45 | 1° 6 | 9° 0 | 14°41 | 2°45 | 15°57 | 9°57 | 14°27 | 13°33 | 1°26 | 16° 4 | | |
| S 7 | 5 26 54 | 21°30'40 | 15°50 | 0♁ 1 | 12° 0 | 1°53 | 9°13 | 14°47 | 2°46 | 15°59 | 9°56 | 14°19 | 13°29 | 1°32 | 16° 7 | | |
| M 8 | 5 30 50 | 22°31'52 | 29°47 | 1°14 | 13°15 | 2°40 | 9°27 | 14°53 | 2°48 | 16° 0 | 9°55 | 14°15 | 13°26 | 1°39 | 16°10 | | |
| T 9 | 5 34 47 | 23°33'04 | 13♁48 | 2°28 | 14°29 | 3°27 | 9°41 | 14°59 | 2°49 | 16° 1 | 9°54 | 14°12 | 13°23 | 1°46 | 16°13 | | |
| W10 | 5 38 43 | 24°34'16 | 27°52 | 3°44 | 15°44 | 4°14 | 9°55 | 15° 6 | 2°50 | 16° 2 | 9°53 | 14°D12 | 13°20 | 1°52 | 16°16 | | |
| T 11 | 5 42 40 | 25°35'28 | 11°Y58 | 5° 2 | 16°59 | 5° 1 | 10° 9 | 15°12 | 2°51 | 16° 3 | 9°53 | 14°R12 | 13°17 | 1°59 | 16°19 | | |
| F 12 | 5 46 36 | 26°36'40 | 26° 5 | 6°21 | 18°14 | 5°48 | 10°22 | 15°18 | 2°52 | 16° 4 | 9°52 | 14°12 | 13°14 | 2° 5 | 16°22 | | |
| S 13 | 5 50 33 | 27°37'51 | 10♃13 | 7°42 | 19°29 | 6°35 | 10°36 | 15°23 | 2°54 | 16° 5 | 9°51 | 14°10 | 13°10 | 2°12 | 16°25 | | |
| S 14 | 5 54 29 | 28°39'02 | 24°18 | 9° 3 | 20°44 | 7°22 | 10°50 | 15°29 | 2°55 | 16° 6 | 9°51 | 14° 4 | 13° 7 | 2°19 | 16°28 | | |
| M15 | 5 58 26 | 29°40'13 | 8♌18 | 10°26 | 21°59 | 8° 9 | 11° 4 | 15°35 | 2°56 | 16° 7 | 9°50 | 13°56 | 13° 4 | 2°25 | 16°31 | | |
| T 16 | 6 2 23 | 0♃41'25 | 22° 8 | 11°50 | 23°14 | 8°56 | 11°18 | 15°41 | 2°57 | 16° 8 | 9°49 | 13°45 | 13° 1 | 2°32 | 16°35 | | |
| W17 | 6 6 19 | 1°42'35 | 5♃44 | 13°14 | 24°29 | 9°43 | 11°32 | 15°46 | 2°57 | 16° 9 | 9°49 | 13°33 | 12°58 | 2°39 | 16°38 | | |
| T 18 | 6 10 16 | 2°43'46 | 19° 4 | 14°40 | 25°43 | 10°30 | 11°46 | 15°52 | 2°58 | 16°10 | 9°48 | 13°19 | 12°55 | 2°45 | 16°41 | | |
| F 19 | 6 14 12 | 3°44'57 | 2♌ 5 | 16° 6 | 26°58 | 11°17 | 12° 0 | 15°58 | 2°59 | 16°10 | 9°47 | 13° 7 | 12°51 | 2°52 | 16°45 | | |
| S 20 | 6 18 9 | 4°46'07 | 14°46 | 17°32 | 28°13 | 12° 4 | 12°14 | 16° 3 | 3° 0 | 16°11 | 9°47 | 12°56 | 12°48 | 2°59 | 16°48 | | |
| S 21 | 6 22 5 | 5°47'18 | 27° 8 | 19° 0 | 29°28 | 12°51 | 12°28 | 16° 9 | 3° 0 | 16°12 | 9°46 | 12°48 | 12°45 | 3° 5 | 16°51 | | |
| M22 | 6 26 2 | 6°48'28 | 9♎15 | 20°28 | 0♁43 | 13°38 | 12°42 | 16°14 | 3° 1 | 16°13 | 9°46 | 12°43 | 12°42 | 3°12 | 16°55 | | |
| T 23 | 6 29 58 | 7°49'38 | 21°11 | 21°57 | 1°57 | 14°25 | 12°56 | 16°19 | 3° 2 | 16°13 | 9°45 | 12°40 | 12°39 | 3°19 | 16°58 | | |
| W24 | 6 33 55 | 8°50'48 | 3♌ 0 | 23°26 | 3°12 | 15°12 | 13°10 | 16°25 | 3° 2 | 16°14 | 9°45 | 12°39 | 12°35 | 3°25 | 17° 2 | | |
| T 25 | 6 37 52 | 9°51'58 | 14°47 | 24°56 | 4°27 | 15°58 | 13°24 | 16°30 | 3° 2 | 16°15 | 9°44 | 12°39 | 12°32 | 3°32 | 17° 5 | | |
| F 26 | 6 41 48 | 10°53'08 | 26°39 | 26°26 | 5°41 | 16°45 | 13°39 | 16°35 | 3° 3 | 16°15 | 9°44 | 12°39 | 12°29 | 3°39 | 17° 9 | | |
| S 27 | 6 45 45 | 11°54'17 | 8♌41 | 27°57 | 6°56 | 17°32 | 13°53 | 16°40 | 3° 3 | 16°16 | 9°43 | 12°37 | 12°26 | 3°45 | 17°13 | | |
| S 28 | 6 49 41 | 12°55'27 | 20°58 | 29°28 | 8°11 | 18°19 | 14° 7 | 16°45 | 3° 3 | 16°16 | 9°43 | 12°33 | 12°23 | 3°52 | 17°16 | | |
| M29 | 6 53 38 | 13°56'36 | 3♁34 | 1♃ 0 | 9°25 | 19° 6 | 14°21 | 16°50 | 3° 4 | 16°17 | 9°42 | 12°26 | 12°20 | 3°58 | 17°20 | | |
| T 30 | 6 57 34 | 14°57'44 | 16°31 | 2°33 | 10°40 | 19°53 | 14°35 | 16°55 | 3° 4 | 16°17 | 9°42 | 12°16 | 12°16 | 4° 5 | 17°24 | | |
| W31 | 7 1 31 | 15♁58'52 | 29♁51 | 4♃ 6 | 11♏54 | 20♏40 | 14♃49 | 16♌59 | 3♌ 4 | 16♌17 | 9♃41 | 12°Y 4 | 12°Y13 | 4♌12 | 17♏27 | | |

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