

SWISS EPHEMERIS for the year 1450

JANUARY 1450 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|---------|----------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|-------|---|---|
| T 1 | 7 16 13 | 19°35'31 | 21°25 | 0°R40 | 9°R30 | 17°M19 | 16°R18 | 23°R57 | 14°R32 | 28°R 1 | 3°R30 | 20°D41 | 22°R10 | 24°R50 | 2°R17 | | |
| F 2 | 7 20 10 | 20°36'36 | 4°M 5 | 29°R53 | 10°42 | 17°57 | 16°31 | 23°M57 | 14°R29 | 28°M 1 | 3°R28 | 20°R41 | 22° 7 | 24°56 | 2°M15 | | |
| S 3 | 7 24 6 | 21°37'41 | 16°27 | 28°56 | 11°54 | 18°34 | 16°43 | 23°56 | 14°27 | 28° 1 | 3°27 | 20°43 | 22° 4 | 25° 3 | 2°13 | | |
| S 4 | 7 28 3 | 22°38'45 | 28°35 | 27°51 | 13° 7 | 19°12 | 16°55 | 23°55 | 14°24 | 28° 0 | 3°26 | 20°45 | 22° 1 | 25°10 | 2°11 | | |
| M 5 | 7 31 59 | 23°39'49 | 10°R33 | 26°40 | 14°19 | 19°49 | 17° 7 | 23°54 | 14°22 | 28° 0 | 3°24 | 20°46 | 21°58 | 25°16 | 2° 9 | | |
| T 6 | 7 35 56 | 24°40'52 | 22°25 | 25°25 | 15°31 | 20°27 | 17°20 | 23°52 | 14°19 | 27°59 | 3°23 | 20°R47 | 21°54 | 25°23 | 2° 8 | | |
| W 7 | 7 39 53 | 25°41'55 | 4°M17 | 24° 8 | 16°44 | 21° 4 | 17°32 | 23°51 | 14°16 | 27°59 | 3°22 | 20°47 | 21°51 | 25°30 | 2° 6 | | |
| T 8 | 7 43 49 | 26°42'57 | 16°13 | 22°52 | 17°56 | 21°42 | 17°44 | 23°50 | 14°14 | 27°58 | 3°20 | 20°45 | 21°48 | 25°37 | 2° 4 | | |
| F 9 | 7 47 46 | 27°43'59 | 28°18 | 21°39 | 19° 8 | 22°19 | 17°56 | 23°48 | 14°11 | 27°57 | 3°19 | 20°43 | 21°45 | 25°43 | 2° 3 | | |
| S 10 | 7 51 42 | 28°45'00 | 10°R36 | 20°30 | 20°21 | 22°56 | 18° 8 | 23°46 | 14° 9 | 27°57 | 3°17 | 20°40 | 21°42 | 25°50 | 2° 1 | | |
| S 11 | 7 55 39 | 29°46'00 | 23°10 | 19°28 | 21°34 | 23°34 | 18°20 | 23°45 | 14° 6 | 27°56 | 3°16 | 20°36 | 21°39 | 25°57 | 2° 0 | | |
| M12 | 7 59 35 | 0°R7'00 | 6°R 2 | 18°33 | 22°46 | 24°11 | 18°31 | 23°43 | 14° 4 | 27°55 | 3°15 | 20°33 | 21°35 | 26° 3 | 1°58 | | |
| T 13 | 8 3 32 | 1°47'58 | 19°12 | 17°46 | 23°59 | 24°48 | 18°43 | 23°41 | 14° 1 | 27°55 | 3°13 | 20°30 | 21°32 | 26°10 | 1°57 | | |
| W14 | 8 7 28 | 2°48'56 | 2°R40 | 17° 8 | 25°12 | 25°26 | 18°55 | 23°39 | 13°59 | 27°54 | 3°12 | 20°28 | 21°29 | 26°17 | 1°56 | | |
| T 15 | 8 11 25 | 3°49'53 | 16°23 | 16°38 | 26°24 | 26° 3 | 19° 6 | 23°37 | 13°57 | 27°53 | 3°10 | 20°D28 | 21°26 | 26°23 | 1°55 | | |
| F 16 | 8 15 22 | 4°50'48 | 0°R20 | 16°17 | 27°37 | 26°40 | 19°18 | 23°35 | 13°54 | 27°52 | 3° 9 | 20°28 | 21°23 | 26°30 | 1°54 | | |
| S 17 | 8 19 18 | 5°51'42 | 14°26 | 16° 5 | 28°50 | 27°18 | 19°29 | 23°32 | 13°52 | 27°51 | 3° 8 | 20°29 | 21°19 | 26°37 | 1°53 | | |
| S 18 | 8 23 15 | 6°52'35 | 28°38 | 16°D 0 | 0°R 3 | 27°55 | 19°40 | 23°30 | 13°49 | 27°51 | 3° 6 | 20°30 | 21°16 | 26°44 | 1°52 | | |
| M19 | 8 27 11 | 7°53'26 | 12°R53 | 16° 3 | 1°16 | 28°32 | 19°52 | 23°27 | 13°47 | 27°50 | 3° 5 | 20°31 | 21°13 | 26°50 | 1°51 | | |
| T 20 | 8 31 8 | 8°54'16 | 27° 8 | 16°14 | 2°29 | 29° 9 | 20° 3 | 23°25 | 13°45 | 27°49 | 3° 3 | 20°32 | 21°10 | 26°57 | 1°50 | | |
| W21 | 8 35 4 | 9°55'04 | 11°R19 | 16°30 | 3°42 | 29°46 | 20°14 | 23°22 | 13°43 | 27°48 | 3° 2 | 20°R32 | 21° 7 | 27° 4 | 1°49 | | |
| T 22 | 8 39 1 | 10°55'51 | 25°26 | 16°53 | 4°55 | 0°R23 | 20°25 | 23°19 | 13°40 | 27°47 | 3° 1 | 20°31 | 21° 4 | 27°10 | 1°49 | | |
| F 23 | 8 42 57 | 11°56'36 | 9°M26 | 17°22 | 6° 8 | 1° 0 | 20°36 | 23°16 | 13°38 | 27°46 | 2°59 | 20°31 | 21° 0 | 27°17 | 1°48 | | |
| S 24 | 8 46 54 | 12°57'19 | 23°17 | 17°55 | 7°21 | 1°37 | 20°46 | 23°13 | 13°36 | 27°45 | 2°58 | 20°30 | 20°57 | 27°24 | 1°48 | | |
| S 25 | 8 50 51 | 13°58'01 | 6°R57 | 18°34 | 8°34 | 2°14 | 20°57 | 23°10 | 13°34 | 27°44 | 2°57 | 20°29 | 20°54 | 27°31 | 1°47 | | |
| M26 | 8 54 47 | 14°58'41 | 20°26 | 19°16 | 9°47 | 2°51 | 21° 8 | 23° 7 | 13°32 | 27°43 | 2°55 | 20°28 | 20°51 | 27°37 | 1°47 | | |
| T 27 | 8 58 44 | 15°59'20 | 3°R41 | 20° 3 | 11° 0 | 3°28 | 21°18 | 23° 4 | 13°30 | 27°41 | 2°54 | 20°28 | 20°48 | 27°44 | 1°47 | | |
| W28 | 9 2 40 | 16°59'57 | 16°42 | 20°53 | 12°13 | 4° 5 | 21°28 | 23° 1 | 13°28 | 27°40 | 2°52 | 20°D28 | 20°45 | 27°51 | 1°47 | | |
| T 29 | 9 6 37 | 18° 0'33 | 29°27 | 21°47 | 13°26 | 4°42 | 21°39 | 22°57 | 13°25 | 27°39 | 2°51 | 20°28 | 20°41 | 27°57 | 1°D47 | | |
| F 30 | 9 10 33 | 19° 1'07 | 11°M59 | 22°44 | 14°40 | 5°19 | 21°49 | 22°54 | 13°24 | 27°38 | 2°50 | 20°28 | 20°38 | 28° 4 | 1°47 | | |
| S 31 | 9 14 30 | 20°R1'40 | 24°M17 | 23°R43 | 15°R53 | 5°R55 | 21°R59 | 22°M50 | 13°R22 | 27°M37 | 2°R48 | 20°R28 | 20°R35 | 28°R11 | 1°M47 | | |

Delta T = 250.51 sec. Julian Calendar 1 Jan. 1450 == Greg. Calendar 10 Jan. 1450

FEBRUARY 1450 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|-------|---|---|
| S 1 | 9 18 26 | 21°R 2'11 | 6°R24 | 24°R45 | 17°R 6 | 6°R32 | 22°R 9 | 22°R47 | 13°R20 | 27°R35 | 2°R47 | 20°R28 | 20°R32 | 28°R18 | 1°M47 | | |
| M 2 | 9 22 23 | 22° 2'41 | 18°R22 | 25°50 | 18°19 | 7° 9 | 22°19 | 22°M43 | 13°R18 | 27°M34 | 2°R46 | 20°R28 | 20°29 | 28°24 | 1°47 | | |
| T 3 | 9 26 20 | 23° 3'09 | 0°M15 | 26°57 | 19°33 | 7°46 | 22°29 | 22°39 | 13°16 | 27°33 | 2°44 | 20°27 | 20°25 | 28°31 | 1°47 | | |
| W 4 | 9 30 16 | 24° 3'36 | 12° 7 | 28° 6 | 20°46 | 8°22 | 22°38 | 22°36 | 13°14 | 27°32 | 2°43 | 20°27 | 20°22 | 28°38 | 1°48 | | |
| T 5 | 9 34 13 | 25° 4'02 | 24° 2 | 29°17 | 21°59 | 8°59 | 22°48 | 22°32 | 13°12 | 27°30 | 2°42 | 20°D27 | 20°19 | 28°44 | 1°48 | | |
| F 6 | 9 38 9 | 26° 4'26 | 6°R 6 | 0°R30 | 23°13 | 9°35 | 22°57 | 22°28 | 13°11 | 27°29 | 2°41 | 20°27 | 20°16 | 28°51 | 1°49 | | |
| S 7 | 9 42 6 | 27° 4'49 | 18°23 | 1°45 | 24°26 | 10°12 | 23° 7 | 22°24 | 13° 9 | 27°28 | 2°39 | 20°28 | 20°13 | 28°58 | 1°49 | | |
| S 8 | 9 46 2 | 28° 5'11 | 0°R56 | 3° 1 | 25°40 | 10°49 | 23°16 | 22°20 | 13° 7 | 27°26 | 2°38 | 20°28 | 20°10 | 29° 5 | 1°50 | | |
| M 9 | 9 49 59 | 29° 5'31 | 13°50 | 4°19 | 26°53 | 11°25 | 23°25 | 22°16 | 13° 6 | 27°25 | 2°37 | 20°29 | 20° 6 | 29°11 | 1°51 | | |
| T 10 | 9 53 55 | 0°R 5'50 | 27° 7 | 5°38 | 28° 6 | 12° 1 | 23°34 | 22°12 | 13° 4 | 27°23 | 2°36 | 20°30 | 20° 3 | 29°18 | 1°52 | | |
| W11 | 9 57 52 | 1° 6'06 | 10°R47 | 6°59 | 29°20 | 12°38 | 23°43 | 22° 7 | 13° 3 | 27°22 | 2°34 | 20°30 | 20° 0 | 29°25 | 1°53 | | |
| T 12 | 10 1 49 | 2° 6'21 | 24°50 | 8°21 | 0°R33 | 13°14 | 23°52 | 22° 3 | 13° 1 | 27°21 | 2°33 | 20°R31 | 19°57 | 29°31 | 1°54 | | |
| F 13 | 10 5 45 | 3° 6'35 | 9°R11 | 9°45 | 1°47 | 13°50 | 24° 0 | 21°59 | 13° 0 | 27°19 | 2°32 | 20°30 | 19°54 | 29°38 | 1°55 | | |
| S 14 | 10 9 42 | 4° 6'46 | 23°46 | 11°10 | 3° 0 | 14°27 | 24° 9 | 21°54 | 12°58 | 27°18 | 2°31 | 20°29 | 19°50 | 29°45 | 1°56 | | |
| S 15 | 10 13 38 | 5° 6'55 | 8°R28 | 12°36 | 4°14 | 15° 3 | 24°17 | 21°50 | 12°57 | 27°16 | 2°30 | 20°27 | 19°47 | 29°52 | 1°57 | | |
| M16 | 10 17 35 | 6° 7'03 | 23°10 | 14° 4 | 5°27 | 15°39 | 24°25 | 21°46 | 12°56 | 27°15 | 2°29 | 20°25 | 19°44 | 29°58 | 1°58 | | |
| T 17 | 10 21 31 | 7° 7'08 | 7°R45 | 15°32 | 6°41 | 16°15 | 24°33 | 21°41 | 12°55 | 27°13 | 2°27 | 20°23 | 19°41 | 0°M 5 | 2° 0 | | |
| W18 | 10 25 28 | 8° 7'11 | 22° 9 | 17° 2 | 7°55 | 16°51 | 24°41 | 21°37 | 12°53 | 27°12 | 2°26 | 20°22 | 19°38 | 0°12 | 2° 1 | | |
| T 19 | 10 29 24 | 9° 7'12 | 6°M18 | 18°33 | 9° 8 | 17°27 | 24°49 | 21°32 | 12°52 | 27°10 | 2°25 | 20°D21 | 19°35 | 0°18 | 2° 3 | | |
| F 20 | 10 33 21 | 10° 7'11 | 20°10 | 20° 5 | 10°22 | 18° 3 | 24°57 | 21°28 | 12°51 | 27° 8 | 2°24 | 20°21 | 19°31 | 0°25 | 2° 4 | | |
| S 21 | 10 37 18 | 11° 7'07 | 3°R46 | 21°39 | 11°35 | 18°39 | 25° 4 | 21°23 | 12°50 | 27° 7 | 2°23 | 20°22 | 19°28 | 0°32 | 2° 6 | | |
| S 22 | 10 41 14 | 12° 7'02 | 17° 5 | 23°13 | 12°49 | 19°14 | 25°12 | 21°18 | 12°49 | 27° 5 | 2°22 | 20°24 | 19°25 | 0°39 | 2° 8 | | |
| M23 | 10 45 11 | 13° 6'54 | 0°R10 | 24°49 | 14° 2 | 19°50 | 25°19 | 21°14 | 12°48 | 27° 4 | 2°21 | 20°25 | 19°22 | 0°45 | 2°10 | | |
| T 24 | 10 49 7 | 14° 6'43 | 13° 1 | 26°26 | 15°16 | 20°26 | 25°26 | 21° 9 | 12°47 | 27° 2 | 2°20 | 20°27 | 19°19 | 0°52 | 2°12 | | |
| W25 | 10 53 4 | 15° 6'31 | 25°39 | 28° 4 | 16°29 | 21° 1 | 25°33 | 21° 4 | 12°46 | 27° 0 | 2°19 | 20°R27 | 19°16 | 0°59 | 2°14 | | |
| T 26 | 10 57 0 | 16° 6'17 | 8°M 7 | 29°43 | 17°43 | 21°37 | 25°40 | 21° 0 | 12°46 | 26°59 | 2°18 | 20°25 | 19°12 | 1° 5 | 2°16 | | |
| F 27 | 11 0 57 | 17° 6'00 | 20°25 | 1°R24 | 18°57 | 22°12 | 25°47 | 20°55 | 12°45 | 26°57 | 2°17 | 20°23 | 19° 9 | 1°12 | 2°18 | | |
| S 28 | 11 4 53 | 18°R 5'41 | 2°R34 | 3°R 6 | 20°R10 | 22°R48 | 25°R53 | 20°M50 | 12°R44 | 26°M56 | 2°R16 | 20°R19 | 19°R 6 | 1°M19 | 2°M20 | | |

Delta T = 250.40 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [13.11.2015]

SWISS EPHEMERIS for the year 1450

MARCH 1450 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♉ | ♊ | ♋ | ♌ |
|------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|----------|---------|---------|
| S 1 | 11 8 50 | 19°52'11 | 14°36'14 | 4°48'34 | 21°28'24 | 23°27'23 | 25°57'59 | 20°R46 | 12°R44 | 26°R54 | 2°R15 | 20°R14 | 19°33'03 | 1°M26 | 2°II22 |
| M 2 | 11 12 47 | 20°4'58 | 26°32'26 | 6°33'03 | 22°37'22 | 23°58'23 | 26°6'26 | 20°M41 | 12°S43 | 26°M52 | 2°L15 | 20°33'09 | 19°0'00 | 1°32'13 | 2°24'22 |
| T 3 | 11 16 43 | 21°4'34 | 8°M24 | 8°18'08 | 23°51'23 | 24°33'24 | 26°12'26 | 20°36'20 | 12°43'12 | 26°51'26 | 2°14'20 | 20°3'20 | 18°56'18 | 1°39'29 | 2°27'27 |
| W 4 | 11 20 40 | 22°4'08 | 20°16'20 | 10°5'10 | 25°5'25 | 25°9'25 | 26°18'26 | 20°31'20 | 12°42'12 | 26°49'26 | 2°13'19 | 19°59'18 | 18°53'18 | 1°46'29 | 2°29'29 |
| T 5 | 11 24 36 | 23°3'40 | 2°M11 | 11°52'11 | 26°18'26 | 25°44'25 | 26°23'26 | 20°27'20 | 12°42'12 | 26°47'26 | 2°12'19 | 19°55'18 | 18°50'18 | 1°52'32 | 2°32'32 |
| F 6 | 11 28 33 | 24°3'10 | 14°13'14 | 13°42'13 | 27°32'27 | 26°19'26 | 26°29'26 | 20°22'20 | 12°41'12 | 26°46'26 | 2°11'19 | 19°53'18 | 18°47'18 | 1°59'34 | 2°34'34 |
| S 7 | 11 32 29 | 25°2'39 | 26°26'26 | 15°32'15 | 28°46'28 | 26°54'26 | 26°34'26 | 20°17'20 | 12°41'12 | 26°44'26 | 2°11'19 | 19°D53 | 18°44'18 | 2°6'37 | 2°37'37 |
| S 8 | 11 36 26 | 26°2'05 | 8°S55 | 17°24'17 | 29°59'29 | 27°28'27 | 26°40'26 | 20°13'20 | 12°41'12 | 26°42'26 | 2°10'19 | 19°53'18 | 18°41'18 | 2°13'40 | 2°40'40 |
| M 9 | 11 40 22 | 27°1'30 | 21°45'21 | 19°17'19 | 1°M13 | 28°3'28 | 26°45'26 | 20°8'20 | 12°41'12 | 26°41'26 | 2°9'19 | 19°55'18 | 18°37'18 | 2°19'42 | 2°42'42 |
| T 10 | 11 44 19 | 28°0'53 | 4°S59 | 21°11'21 | 2°27'27 | 28°38'28 | 26°50'26 | 20°3'20 | 12°40'12 | 26°39'26 | 2°8'19 | 19°56'18 | 18°34'18 | 2°26'45 | 2°45'45 |
| W 11 | 11 48 16 | 29°0'15 | 18°40'18 | 23°7'23 | 3°40'34 | 29°12'29 | 26°55'26 | 19°59'19 | 12°40'12 | 26°37'26 | 2°8'19 | 19°R57 | 18°31'18 | 2°33'48 | 2°48'48 |
| T 12 | 11 52 12 | 29°59'34 | 2°M48 | 25°4'25 | 4°54'25 | 29°47'29 | 26°59'26 | 19°54'19 | 12°D40 | 26°36'26 | 2°7'19 | 19°56'18 | 18°28'18 | 2°39'51 | 2°51'51 |
| F 13 | 11 56 9 | 0°Y58'51 | 17°22'17 | 27°2'27 | 6°8'06 | 0°S21 | 27°4'27 | 19°49'19 | 12°40'12 | 26°34'26 | 2°6'19 | 19°54'18 | 18°25'18 | 2°46'54 | 2°54'54 |
| S 14 | 12 0 5 | 1°58'07 | 2°Y15 | 29°1'29 | 7°21'07 | 0°56'06 | 27°8'27 | 19°45'19 | 12°40'12 | 26°32'26 | 2°6'19 | 19°49'18 | 18°22'18 | 2°53'57 | 2°57'57 |
| S 15 | 12 4 2 | 2°57'20 | 17°20'17 | 1°Y1 | 8°35'08 | 1°30'10 | 27°12'27 | 19°40'19 | 12°40'12 | 26°31'26 | 2°5'19 | 19°43'18 | 18°18'18 | 3°0'30 | 3°0'30 |
| M 16 | 12 7 58 | 3°56'31 | 2°S27 | 3°3'03 | 9°49'09 | 2°4'02 | 27°16'27 | 19°36'19 | 12°41'12 | 26°29'26 | 2°5'19 | 19°37'18 | 18°15'18 | 3°6'33 | 3°3'33 |
| T 17 | 12 11 55 | 4°55'40 | 17°26'17 | 5°5'05 | 11°2'11 | 2°38'10 | 27°20'27 | 19°31'19 | 12°41'12 | 26°28'26 | 2°4'19 | 19°30'18 | 18°12'18 | 3°13'37 | 3°7'37 |
| W 18 | 12 15 51 | 5°54'47 | 2°II10 | 7°9'07 | 12°16'12 | 3°12'10 | 27°23'27 | 19°27'19 | 12°41'12 | 26°26'26 | 2°4'19 | 19°25'18 | 18°9'18 | 3°20'40 | 3°10'40 |
| T 19 | 12 19 48 | 6°53'51 | 16°31'16 | 9°13'09 | 13°29'13 | 3°45'10 | 27°27'27 | 19°22'19 | 12°41'12 | 26°24'26 | 2°3'19 | 19°21'18 | 18°6'18 | 3°27'43 | 3°13'43 |
| F 20 | 12 23 45 | 7°52'53 | 0°S29 | 11°17'11 | 14°43'14 | 4°19'10 | 27°30'27 | 19°18'19 | 12°42'12 | 26°23'26 | 2°3'19 | 19°19'18 | 18°2'18 | 3°33'47 | 3°17'47 |
| S 21 | 12 27 41 | 8°51'53 | 14°2'14 | 13°22'13 | 15°57'15 | 4°53'10 | 27°33'27 | 19°14'19 | 12°42'12 | 26°21'26 | 2°2'19 | 19°D19 | 17°59'17 | 3°40'50 | 3°20'50 |
| S 22 | 12 31 38 | 9°50'50 | 27°12'27 | 15°27'15 | 17°10'17 | 5°26'10 | 27°36'27 | 19°9'19 | 12°43'12 | 26°19'26 | 2°2'19 | 19°20'18 | 17°56'17 | 3°47'53 | 3°24'53 |
| M 23 | 12 35 34 | 10°49'45 | 10°L3 | 17°32'17 | 18°24'18 | 5°59'10 | 27°39'27 | 19°5'19 | 12°43'12 | 26°18'26 | 2°2'19 | 19°21'18 | 17°53'17 | 3°53'57 | 3°27'57 |
| T 24 | 12 39 31 | 11°48'38 | 22°39'22 | 19°36'19 | 19°38'19 | 6°33'10 | 27°41'27 | 19°1'19 | 12°44'12 | 26°16'26 | 2°1'19 | 19°R21 | 17°50'17 | 4°0'31 | 3°31'31 |
| W 25 | 12 43 27 | 12°47'28 | 5°M1 | 21°39'21 | 20°51'20 | 7°6'07 | 27°43'27 | 18°57'18 | 12°45'12 | 26°15'26 | 2°1'19 | 19°20'18 | 17°47'17 | 4°7'35 | 3°35'35 |
| T 26 | 12 47 24 | 13°46'16 | 17°14'17 | 23°42'23 | 22°5'22 | 7°39'07 | 27°46'27 | 18°53'18 | 12°45'12 | 26°13'26 | 2°1'19 | 19°16'18 | 17°43'17 | 4°14'39 | 3°38'39 |
| F 27 | 12 51 20 | 14°45'02 | 29°20'29 | 25°43'25 | 23°19'23 | 8°12'08 | 27°48'27 | 18°49'18 | 12°46'12 | 26°12'26 | 2°0'19 | 19°10'18 | 17°40'17 | 4°20'42 | 3°42'42 |
| S 28 | 12 55 17 | 15°43'46 | 11°S20 | 27°42'27 | 24°32'24 | 8°44'08 | 27°49'27 | 18°45'18 | 12°47'12 | 26°10'26 | 2°0'19 | 19°2'18 | 17°37'17 | 4°27'46 | 3°46'46 |
| S 29 | 12 59 13 | 16°42'28 | 23°15'23 | 29°40'29 | 25°46'25 | 9°17'09 | 27°51'27 | 18°41'18 | 12°48'12 | 26°8'26 | 2°0'19 | 18°51'18 | 17°34'17 | 4°34'50 | 3°50'50 |
| M 30 | 13 3 10 | 17°41'08 | 5°M9 | 1°S34 | 26°59'26 | 9°49'09 | 27°52'27 | 18°37'18 | 12°49'12 | 26°7'26 | 2°0'19 | 18°40'18 | 17°31'17 | 4°40'54 | 3°54'54 |
| T 31 | 13 7 7 | 18°Y39'46 | 17°M1 | 3°S27 | 28°M13 | 10°S22 | 27°M54 | 18°M33 | 12°S50 | 26°M5 | 2°L0 | 18°S29 | 17°S27 | 4°M47 | 3°II58 |

Delta T = 250.31 sec. Julian Calendar 1 March 1450 == Greg. Calendar 10 March 1450

APRIL 1450 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♉ | ♊ | ♋ | ♌ |
|------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|----------|---------|---------|
| W 1 | 13 11 3 | 19°Y38'22 | 28°M54 | 5°S16 | 29°M27 | 10°S54 | 27°M55 | 18°R30 | 12°S51 | 26°R4 | 1°R59 | 18°R18 | 17°S24 | 4°M54 | 4°II2 |
| T 2 | 13 15 0 | 20°36'57 | 10°M51 | 7°1'07 | 0°Y40 | 11°26'11 | 27°55'27 | 18°M26 | 12°52'12 | 26°M2 | 1°L59 | 18°S9 | 17°21'17 | 5°1'6 | 4°6'6 |
| F 3 | 13 18 56 | 21°35'30 | 22°53'22 | 8°43'08 | 1°54'01 | 11°58'11 | 27°56'27 | 18°22'18 | 12°53'12 | 26°1'26 | 1°59'19 | 18°3'18 | 17°18'17 | 5°7'10 | 4°10'10 |
| S 4 | 13 22 53 | 22°34'01 | 5°S5 | 10°21'10 | 3°8'03 | 12°29'12 | 27°57'27 | 18°19'18 | 12°54'12 | 26°0'26 | 1°59'19 | 17°59'18 | 17°15'17 | 5°14'14 | 4°14'14 |
| S 5 | 13 26 49 | 23°32'30 | 17°32'17 | 11°56'11 | 4°21'10 | 13°1'10 | 27°57'27 | 18°16'18 | 12°55'12 | 25°58'25 | 1°59'19 | 17°58'18 | 17°12'17 | 5°21'18 | 4°18'18 |
| M 6 | 13 30 46 | 24°30'58 | 0°S16 | 13°25'13 | 5°35'10 | 13°32'13 | 27°R57 | 18°12'18 | 12°57'12 | 25°57'25 | 1°D59 | 17°D58 | 17°8'17 | 5°27'27 | 4°22'22 |
| T 7 | 13 34 42 | 25°29'24 | 13°24'13 | 14°51'14 | 6°48'14 | 14°4'04 | 27°57'27 | 18°9'18 | 12°58'12 | 25°55'25 | 1°59'19 | 17°R58 | 17°5'17 | 5°34'34 | 4°27'27 |
| W 8 | 13 38 39 | 26°27'48 | 26°58'26 | 16°12'16 | 8°2'02 | 14°35'14 | 27°57'27 | 18°6'18 | 12°59'12 | 25°54'25 | 1°59'19 | 17°58'18 | 17°2'17 | 5°41'41 | 4°31'31 |
| T 9 | 13 42 36 | 27°26'11 | 11°M1 | 17°28'17 | 9°16'09 | 15°6'06 | 27°56'27 | 18°3'18 | 13°1'10 | 25°53'25 | 1°59'19 | 17°56'18 | 16°59'16 | 5°48'48 | 4°35'35 |
| F 10 | 13 46 32 | 28°24'32 | 25°32'25 | 18°40'18 | 10°29'10 | 15°36'15 | 27°55'27 | 18°0'18 | 13°2'10 | 25°51'25 | 1°59'19 | 17°52'18 | 16°56'16 | 5°54'54 | 4°40'40 |
| S 11 | 13 50 29 | 29°22'52 | 10°Y28 | 19°47'19 | 11°43'11 | 16°7'07 | 27°55'27 | 17°57'17 | 13°4'10 | 25°50'25 | 2°0'19 | 17°45'18 | 16°53'16 | 6°1'14 | 4°44'44 |
| S 12 | 13 54 25 | 0°S21'10 | 25°40'25 | 20°49'20 | 12°57'12 | 16°37'16 | 27°54'27 | 17°54'17 | 13°5'10 | 25°49'25 | 2°0'19 | 17°36'18 | 16°49'16 | 6°8'8 | 4°49'49 |
| M 13 | 13 58 22 | 1°19'26 | 11°S0 | 21°46'21 | 14°10'14 | 17°7'07 | 27°52'27 | 17°51'17 | 13°7'10 | 25°47'25 | 2°0'19 | 17°25'18 | 16°46'16 | 6°15'15 | 4°53'53 |
| T 14 | 14 2 18 | 2°17'40 | 26°14'26 | 22°38'22 | 15°24'15 | 17°37'17 | 27°51'27 | 17°48'17 | 13°9'10 | 25°46'25 | 2°0'19 | 17°15'18 | 16°43'16 | 6°21'21 | 4°58'58 |
| W 15 | 14 6 15 | 3°15'53 | 11°II13 | 23°24'23 | 16°37'16 | 18°7'07 | 27°49'27 | 17°46'17 | 13°10'10 | 25°45'25 | 2°0'19 | 17°6'18 | 16°40'16 | 6°28'28 | 5°2'2 |
| T 16 | 14 10 11 | 4°14'03 | 25°49'25 | 24°6'24 | 17°51'17 | 18°36'18 | 27°48'27 | 17°43'17 | 13°12'10 | 25°44'25 | 2°1'19 | 16°59'18 | 16°37'16 | 6°35'35 | 5°7'7 |
| F 17 | 14 14 8 | 5°12'12 | 9°S57 | 24°42'24 | 19°5'19 | 19°6'06 | 27°46'27 | 17°41'17 | 13°14'10 | 25°42'25 | 2°1'19 | 16°55'18 | 16°33'16 | 6°41'41 | 5°11'11 |
| S 18 | 14 18 5 | 6°10'18 | 23°36'23 | 25°13'25 | 20°18'20 | 19°35'19 | 27°43'27 | 17°38'17 | 13°16'10 | 25°41'25 | 2°1'19 | 16°53'18 | 16°30'16 | 6°48'48 | 5°16'16 |
| S 19 | 14 22 1 | 7°8'23 | 6°L48 | 25°39'25 | 21°32'21 | 20°4'04 | 27°41'27 | 17°36'17 | 13°18'10 | 25°40'25 | 2°2'19 | 16°D52 | 16°27'16 | 6°55'55 | 5°21'21 |
| M 20 | 14 25 58 | 8°6'25 | 19°37'19 | 25°59'25 | 22°45'22 | 20°32'20 | 27°39'27 | 17°34'17 | 13°20'10 | 25°39'25 | 2°2'19 | 16°R52 | 16°24'16 | 7°2'2 | 5°26'26 |
| T 21 | 14 29 54 | 9°4'26 | 2°M6 | 26°14'26 | 23°59'23 | 21°0'00 | 27°36'27 | 17°32'17 | 13°22'10 | 25°38'25 | 2°2'19 | 16°52'18 | 16°21'16 | 7°8'8 | 5°30'30 |
| W 22 | 14 33 51 | 10°2'25 | 14°21'14 | 26°24'26 | 25°12'25 | 21°29'21 | 27°33'27 | 17°30'17 | 13°24'10 | 25°37'25 | 2°3'19 | 16°49'18 | 16°18'16 | 7°15'15 | 5°35'35 |
| T 23 | 14 37 47 | 11°0'21 | 26°25'26 | 26°R29 | 26°26'26 | 21°56'21 | 27°30'27 | 17°28'17 | 13°26'10 | 25°36'25 | 2°3'19 | 16°44'18 | 16°14'16 | 7°22'22 | 5°40'40 |
| F 24 | 14 41 44 | 11°58'16 | 8°S23 | 26°29'26 | 27°40'27 | 22°24'22 | 27°27'27 | 17°26'17 | 13°28'10 | 25°35'25 | 2°4'19 | 16°37'18 | 16°11'16 | 7°28'28 | 5°45'45 |
| S 25 | 14 45 40 | 12°56'10 | 20°17'20 | 26°24'26 | 28°53'28 | 22°51'22 | 27°23'27 | 17°25'17 | 13°30'10 | 25°34'25 | 2°4'19 | 16°26'18 | 16°8'16 | 7°35'35 | 5°50'50 |
| S 26 | 14 49 37 | 13°54'01 | 2°M9 | 26°14'26 | 0°S7 | 23°18'23 | 27°20'27 | 17°23'17 | 13°32'10 | 25°33'25 | 2°5'19 | 16°13'18 | 16°5'16 | 7°42'42 | 5°54'54 |
| M 27 | 14 53 34 | 14°51'51 | 14°2'14 | 25°59'25 | 1°20'10 | 23°45'23 | 27°16'27 | 17°21'17 | 13°34'10 | 25°32'25 | 2°5'19 | 15°59'18 | 16°2'16 | 7°49'49 | 5°59'59 |
| T 28 | 14 57 30 | 15°49'40 | 25°56'25 | 25°41'25 | 2°34'10 | 24°12'24 | 27°12'27 | 17°20'17 | 13°37'10 | 25°31'25 | 2°6'19 | 15°45'18 | 15°59'18 | 7°55'55 | 6°4'4 |
| W 29 | 15 1 27 | 16°47'27 | 7°M53 | 25°19'25 | 3°47'10 | 2 | | | | | | | | | |

SWISS EPHEMERIS for the year 1450

MAY 1450 JC

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|------|----------|------------|-------|--------|--------|-------|--------|--------|-------|--------|------|--------|-------|-------|-------|---|---|---|---|---|---|---|---|--|
| F 1 | 15 9 20 | 18♁42'58 | 2♃ 3 | 24°R25 | 6♁14 | 25♃30 | 26°R59 | 17°R17 | 13♁44 | 25°R28 | 2♁ 8 | 15°R13 | 15♁49 | 8♁16 | 6♁19 | | | | | | | | | |
| S 2 | 15 13 16 | 19°40'41 | 14°20 | 23♁54 | 7°28 | 25°55 | 26♁55 | 17♁16 | 13°46 | 25♁27 | 2° 8 | 15♁ 8 | 15°46 | 8°22 | 6°24 | | | | | | | | | |
| S 3 | 15 17 13 | 20°38'23 | 26°49 | 23°21 | 8°42 | 26°20 | 26°50 | 17°15 | 13°49 | 25°26 | 2° 9 | 15° 5 | 15°43 | 8°29 | 6°29 | | | | | | | | | |
| M 4 | 15 21 9 | 21°36'05 | 9♁34 | 22°48 | 9°55 | 26°45 | 26°45 | 17°14 | 13°51 | 25°26 | 2°10 | 15° 4 | 15°39 | 8°36 | 6°34 | | | | | | | | | |
| T 5 | 15 25 6 | 22°33'45 | 22°38 | 22°13 | 11° 9 | 27° 9 | 26°40 | 17°13 | 13°54 | 25°25 | 2°11 | 15° 4 | 15°36 | 8°42 | 6°39 | | | | | | | | | |
| W 6 | 15 29 3 | 23°31'23 | 6♁ 6 | 21°39 | 12°22 | 27°33 | 26°35 | 17°13 | 13°56 | 25°24 | 2°11 | 15° 4 | 15°33 | 8°49 | 6°44 | | | | | | | | | |
| T 7 | 15 32 59 | 24°29'01 | 20° 0 | 21° 5 | 13°36 | 27°57 | 26°30 | 17°12 | 13°59 | 25°24 | 2°12 | 15° 2 | 15°30 | 8°56 | 6°49 | | | | | | | | | |
| F 8 | 15 36 56 | 25°26'38 | 4♁20 | 20°32 | 14°49 | 28°20 | 26°24 | 17°12 | 14° 2 | 25°23 | 2°13 | 14°58 | 15°27 | 9° 3 | 6°55 | | | | | | | | | |
| S 9 | 15 40 52 | 26°24'14 | 19° 5 | 20° 1 | 16° 3 | 28°43 | 26°19 | 17°11 | 14° 4 | 25°22 | 2°14 | 14°51 | 15°24 | 9° 9 | 7° 0 | | | | | | | | | |
| S 10 | 15 44 49 | 27°21'49 | 4♁ 9 | 19°32 | 17°17 | 29° 5 | 26°13 | 17°11 | 14° 7 | 25°22 | 2°15 | 14°42 | 15°20 | 9°16 | 7° 5 | | | | | | | | | |
| M 11 | 15 48 45 | 28°19'24 | 19°23 | 19° 6 | 18°30 | 29°27 | 26° 7 | 17°D11 | 14°10 | 25°21 | 2°16 | 14°32 | 15°17 | 9°23 | 7°10 | | | | | | | | | |
| T 12 | 15 52 42 | 29°16'57 | 4♁37 | 18°43 | 19°44 | 29°49 | 26° 1 | 17°11 | 14°13 | 25°21 | 2°17 | 14°21 | 15°14 | 9°29 | 7°15 | | | | | | | | | |
| W 13 | 15 56 38 | 0♁14'29 | 19°39 | 18°23 | 20°57 | 0♁10 | 25°55 | 17°11 | 14°16 | 25°20 | 2°18 | 14°12 | 15°11 | 9°36 | 7°20 | | | | | | | | | |
| T 14 | 16 0 35 | 1°11'59 | 4♁21 | 18° 7 | 22°11 | 0°31 | 25°49 | 17°12 | 14°18 | 25°20 | 2°19 | 14° 5 | 15° 8 | 9°43 | 7°25 | | | | | | | | | |
| F 15 | 16 4 32 | 2° 9'29 | 18°36 | 17°55 | 23°24 | 0°51 | 25°42 | 17°12 | 14°21 | 25°19 | 2°20 | 14° 0 | 15° 5 | 9°50 | 7°31 | | | | | | | | | |
| S 16 | 16 8 28 | 3° 6'57 | 2♁22 | 17°47 | 24°38 | 1°11 | 25°36 | 17°12 | 14°24 | 25°19 | 2°21 | 13°58 | 15° 1 | 9°56 | 7°36 | | | | | | | | | |
| S 17 | 16 12 25 | 4° 4'24 | 15°40 | 17°D44 | 25°52 | 1°31 | 25°29 | 17°13 | 14°27 | 25°18 | 2°22 | 13°D58 | 14°58 | 10° 3 | 7°41 | | | | | | | | | |
| M 18 | 16 16 21 | 5° 1'50 | 28°32 | 17°45 | 27° 5 | 1°50 | 25°23 | 17°13 | 14°30 | 25°18 | 2°23 | 13°58 | 14°55 | 10°10 | 7°46 | | | | | | | | | |
| T 19 | 16 20 18 | 5°59'14 | 11♁ 2 | 17°50 | 28°19 | 2° 8 | 25°16 | 17°14 | 14°33 | 25°18 | 2°24 | 13°R58 | 14°52 | 10°17 | 7°51 | | | | | | | | | |
| W 20 | 16 24 14 | 6°56'37 | 23°17 | 18° 0 | 29°32 | 2°26 | 25° 9 | 17°15 | 14°36 | 25°17 | 2°25 | 13°57 | 14°49 | 10°23 | 7°57 | | | | | | | | | |
| T 21 | 16 28 11 | 7°53'59 | 5♁19 | 18°14 | 0♁46 | 2°44 | 25° 2 | 17°16 | 14°39 | 25°17 | 2°26 | 13°53 | 14°45 | 10°30 | 8° 2 | | | | | | | | | |
| F 22 | 16 32 7 | 8°51'20 | 17°14 | 18°33 | 1°59 | 3° 1 | 24°55 | 17°17 | 14°43 | 25°17 | 2°27 | 13°47 | 14°42 | 10°37 | 8° 7 | | | | | | | | | |
| S 23 | 16 36 4 | 9°48'40 | 29° 6 | 18°56 | 3°13 | 3°17 | 24°48 | 17°18 | 14°46 | 25°17 | 2°28 | 13°39 | 14°39 | 10°43 | 8°12 | | | | | | | | | |
| S 24 | 16 40 1 | 10°45'59 | 10♁58 | 19°24 | 4°27 | 3°33 | 24°41 | 17°19 | 14°49 | 25°17 | 2°29 | 13°29 | 14°36 | 10°50 | 8°17 | | | | | | | | | |
| M 25 | 16 43 57 | 11°43'17 | 22°52 | 19°56 | 5°40 | 3°49 | 24°34 | 17°21 | 14°52 | 25°16 | 2°31 | 13°18 | 14°33 | 10°57 | 8°23 | | | | | | | | | |
| T 26 | 16 47 54 | 12°40'34 | 4♁51 | 20°32 | 6°54 | 4° 4 | 24°26 | 17°22 | 14°55 | 25°16 | 2°32 | 13° 7 | 14°30 | 11° 4 | 8°28 | | | | | | | | | |
| W 27 | 16 51 50 | 13°37'51 | 16°55 | 21°12 | 8° 7 | 4°18 | 24°19 | 17°24 | 14°58 | 25°16 | 2°33 | 12°56 | 14°26 | 11°10 | 8°33 | | | | | | | | | |
| T 28 | 16 55 47 | 14°35'07 | 29° 6 | 21°57 | 9°21 | 4°32 | 24°12 | 17°25 | 15° 2 | 25°D16 | 2°34 | 12°47 | 14°23 | 11°17 | 8°38 | | | | | | | | | |
| F 29 | 16 59 43 | 15°32'23 | 11♁25 | 22°45 | 10°35 | 4°45 | 24° 4 | 17°27 | 15° 5 | 25°16 | 2°36 | 12°41 | 14°20 | 11°24 | 8°43 | | | | | | | | | |
| S 30 | 17 3 40 | 16°29'37 | 23°54 | 23°37 | 11°48 | 4°58 | 23°57 | 17°29 | 15° 8 | 25°16 | 2°37 | 12°37 | 14°17 | 11°31 | 8°49 | | | | | | | | | |
| S 31 | 17 7 37 | 17°II26'52 | 6♁34 | 24♁33 | 13II 2 | 5♁10 | 23♁49 | 17♁31 | 15♁12 | 25♁16 | 2♁38 | 12°D35 | 14♁14 | 11♁37 | 8II54 | | | | | | | | | |

Delta T = 250.11 sec. Julian Calendar 1 May 1450 == Greg. Calendar 10 May 1450

JUNE 1450 JC

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|------|----------|-----------|--------|-------|--------|-------|--------|-------|-------|-------|------|--------|-------|-------|-------|---|---|---|---|---|---|---|---|--|
| M 1 | 17 11 33 | 18II24'06 | 19♁28 | 25♁33 | 14II15 | 5♁21 | 23°R42 | 17♁33 | 15♁15 | 25♁16 | 2♁40 | 12♁35 | 14♁11 | 11♁44 | 8II59 | | | | | | | | | |
| T 2 | 17 15 30 | 19°21'20 | 2♁37 | 26°37 | 15°29 | 5°32 | 23♁34 | 17°35 | 15°18 | 25°17 | 2°41 | 12°36 | 14° 7 | 11°51 | 9° 4 | | | | | | | | | |
| W 3 | 17 19 26 | 20°18'33 | 16° 6 | 27°44 | 16°43 | 5°42 | 23°26 | 17°37 | 15°22 | 25°17 | 2°42 | 12°R37 | 14° 4 | 11°57 | 9° 9 | | | | | | | | | |
| T 4 | 17 23 23 | 21°15'47 | 29°54 | 28°54 | 17°56 | 5°51 | 23°19 | 17°40 | 15°25 | 25°17 | 2°44 | 12°37 | 14° 1 | 12° 4 | 9°14 | | | | | | | | | |
| F 5 | 17 27 19 | 22°13'00 | 14♁ 4 | 0II 9 | 19°10 | 6° 0 | 23°11 | 17°42 | 15°28 | 25°17 | 2°45 | 12°35 | 13°58 | 12°11 | 9°19 | | | | | | | | | |
| S 6 | 17 31 16 | 23°10'13 | 28°33 | 1°26 | 20°24 | 6° 7 | 23° 3 | 17°45 | 15°32 | 25°17 | 2°46 | 12°31 | 13°55 | 12°18 | 9°25 | | | | | | | | | |
| S 7 | 17 35 12 | 24° 7'27 | 13♁19 | 2°48 | 21°37 | 6°15 | 22°56 | 17°47 | 15°35 | 25°18 | 2°48 | 12°25 | 13°51 | 12°24 | 9°30 | | | | | | | | | |
| M 8 | 17 39 9 | 25° 4'40 | 28°14 | 4°12 | 22°51 | 6°21 | 22°48 | 17°50 | 15°39 | 25°18 | 2°49 | 12°18 | 13°48 | 12°31 | 9°35 | | | | | | | | | |
| T 9 | 17 43 6 | 26° 1'53 | 13II12 | 5°40 | 24° 5 | 6°27 | 22°40 | 17°53 | 15°42 | 25°18 | 2°51 | 12°11 | 13°45 | 12°38 | 9°40 | | | | | | | | | |
| W 10 | 17 47 2 | 26°59'06 | 28° 1 | 7°12 | 25°18 | 6°32 | 22°33 | 17°56 | 15°46 | 25°19 | 2°52 | 12° 5 | 13°42 | 12°45 | 9°45 | | | | | | | | | |
| T 11 | 17 50 59 | 27°56'19 | 12♁35 | 8°46 | 26°32 | 6°36 | 22°25 | 17°59 | 15°49 | 25°19 | 2°54 | 12° 0 | 13°39 | 12°51 | 9°50 | | | | | | | | | |
| F 12 | 17 54 55 | 28°53'31 | 26°47 | 10°24 | 27°46 | 6°40 | 22°17 | 18° 2 | 15°53 | 25°20 | 2°55 | 11°58 | 13°36 | 12°58 | 9°55 | | | | | | | | | |
| S 13 | 17 58 52 | 29°50'43 | 10♁34 | 12° 5 | 29° 0 | 6°43 | 22°10 | 18° 5 | 15°56 | 25°20 | 2°57 | 11°D57 | 13°32 | 13° 5 | 10° 0 | | | | | | | | | |
| S 14 | 18 2 48 | 0♁47'55 | 23°55 | 13°49 | 0♁13 | 6°45 | 22° 2 | 18° 8 | 16° 0 | 25°21 | 2°58 | 11°57 | 13°29 | 13°11 | 10° 5 | | | | | | | | | |
| M 15 | 18 6 45 | 1°45'06 | 6♁51 | 15°37 | 1°27 | 6°46 | 21°55 | 18°11 | 16° 4 | 25°21 | 3° 0 | 11°58 | 13°26 | 13°18 | 10°10 | | | | | | | | | |
| T 16 | 18 10 41 | 2°42'17 | 19°25 | 17°27 | 2°41 | 6°R47 | 21°47 | 18°15 | 16° 7 | 25°22 | 3° 1 | 12° 0 | 13°23 | 13°25 | 10°15 | | | | | | | | | |
| W 17 | 18 14 38 | 3°39'27 | 1♁42 | 19°20 | 3°55 | 6°47 | 21°40 | 18°18 | 16°11 | 25°22 | 3° 3 | 12°R 1 | 13°20 | 13°32 | 10°20 | | | | | | | | | |
| T 18 | 18 18 35 | 4°36'38 | 13°46 | 21°15 | 5° 8 | 6°46 | 21°33 | 18°22 | 16°14 | 25°23 | 3° 5 | 12° 0 | 13°17 | 13°38 | 10°25 | | | | | | | | | |
| F 19 | 18 22 31 | 5°33'48 | 25°42 | 23°14 | 6°22 | 6°44 | 21°25 | 18°26 | 16°18 | 25°24 | 3° 6 | 11°58 | 13°13 | 13°45 | 10°30 | | | | | | | | | |
| S 20 | 18 26 28 | 6°30'58 | 7♁35 | 25°14 | 7°36 | 6°42 | 21°18 | 18°29 | 16°22 | 25°24 | 3° 8 | 11°55 | 13°10 | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1450

JULY 1450 JC

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|------|----------|------------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|
| W 1 | 19 9 50 | 16 ⁵⁵ 59'57 | 26 ⁴ 40 | 18 ³³ 33 | 21 ⁸ 8 | 5°R27 | 20°R 5 | 19 ¹⁶ 16 | 17 ² 2 | 25 ³⁴ 34 | 3 ²⁶ 26 | 11 ²⁸ 28 | 12 ³⁵ 35 | 15 ⁶ 6 | 11 ²⁶ 26 |
| T 2 | 19 13 46 | 17°57'11 | 10 ¹⁷ 38 | 20°40 | 22°21 | 5 ¹⁶ 16 | 19 ⁵⁹ 59 | 19°21 | 17° 5 | 25°35 | 3°28 | 11°29 | 12°32 | 15°12 | 11°31 |
| F 3 | 19 17 43 | 18°54'25 | 24°38 | 22°46 | 23°35 | 5° 5 | 19°53 | 19°25 | 17° 9 | 25°36 | 3°30 | 11°R29 | 12°29 | 15°19 | 11°35 |
| S 4 | 19 21 39 | 19°51'40 | 8 ⁵⁵ 55 | 24°51 | 24°49 | 4°53 | 19°47 | 19°30 | 17°13 | 25°37 | 3°31 | 11°28 | 12°26 | 15°26 | 11°40 |
| S 5 | 19 25 36 | 20°48'56 | 23°22 | 26°54 | 26° 3 | 4°40 | 19°41 | 19°35 | 17°16 | 25°39 | 3°33 | 11°27 | 12°23 | 15°33 | 11°44 |
| M 6 | 19 29 33 | 21°46'14 | 7 ⁵³ 53 | 28°56 | 27°17 | 4°27 | 19°36 | 19°40 | 17°20 | 25°40 | 3°35 | 11°24 | 12°19 | 15°39 | 11°48 |
| T 7 | 19 33 29 | 22°43'32 | 22°25 | 0 ⁵⁶ 56 | 28°31 | 4°13 | 19°31 | 19°45 | 17°24 | 25°41 | 3°36 | 11°22 | 12°16 | 15°46 | 11°53 |
| W 8 | 19 37 26 | 23°40'50 | 6 ⁵⁰ 50 | 2°55 | 29°45 | 3°59 | 19°25 | 19°50 | 17°27 | 25°42 | 3°38 | 11°20 | 12°13 | 15°53 | 11°57 |
| T 9 | 19 41 22 | 24°38'10 | 21° 4 | 4°52 | 0 ⁵⁹ 59 | 3°45 | 19°20 | 19°55 | 17°31 | 25°43 | 3°40 | 11°18 | 12°10 | 16° 0 | 12° 1 |
| F 10 | 19 45 19 | 25°35'30 | 5 ¹ 1 | 6°48 | 2°13 | 3°30 | 19°15 | 20° 1 | 17°35 | 25°45 | 3°42 | 11°D17 | 12° 7 | 16° 6 | 12° 6 |
| S 11 | 19 49 15 | 26°32'51 | 18°39 | 8°42 | 3°27 | 3°15 | 19°11 | 20° 6 | 17°38 | 25°46 | 3°44 | 11°17 | 12° 3 | 16°13 | 12°10 |
| S 12 | 19 53 12 | 27°30'13 | 1 ⁵⁵ 55 | 10°34 | 4°41 | 2°59 | 19° 6 | 20°11 | 17°42 | 25°47 | 3°45 | 11°18 | 12° 0 | 16°20 | 12°14 |
| M13 | 19 57 9 | 28°27'35 | 14°50 | 12°24 | 5°55 | 2°44 | 19° 1 | 20°17 | 17°45 | 25°49 | 3°47 | 11°19 | 11°57 | 16°26 | 12°18 |
| T 14 | 20 1 5 | 29°24'57 | 27°25 | 14°13 | 7° 9 | 2°28 | 18°57 | 20°22 | 17°49 | 25°50 | 3°49 | 11°20 | 11°54 | 16°33 | 12°22 |
| W15 | 20 5 2 | 0 ²² 22 | 9 ⁴⁴ 44 | 16° 0 | 8°23 | 2°12 | 18°53 | 20°28 | 17°53 | 25°52 | 3°51 | 11°21 | 11°51 | 16°40 | 12°26 |
| T 16 | 20 8 58 | 1°19'44 | 21°49 | 17°46 | 9°37 | 1°56 | 18°49 | 20°34 | 17°56 | 25°53 | 3°52 | 11°22 | 11°48 | 16°47 | 12°30 |
| F 17 | 20 12 55 | 2°17'09 | 3 ⁴⁷ 47 | 19°30 | 10°51 | 1°40 | 18°45 | 20°39 | 18° 0 | 25°55 | 3°54 | 11°R22 | 11°44 | 16°53 | 12°34 |
| S 18 | 20 16 51 | 3°14'34 | 15°41 | 21°12 | 12° 5 | 1°24 | 18°42 | 20°45 | 18° 3 | 25°56 | 3°56 | 11°21 | 11°41 | 17° 0 | 12°38 |
| S 19 | 20 20 48 | 4°12'01 | 27°35 | 22°53 | 13°19 | 1° 8 | 18°38 | 20°51 | 18° 7 | 25°58 | 3°58 | 11°21 | 11°38 | 17° 7 | 12°42 |
| M20 | 20 24 44 | 5° 9'28 | 9 ³⁴ 34 | 24°32 | 14°33 | 0°52 | 18°35 | 20°57 | 18°10 | 25°59 | 3°59 | 11°20 | 11°35 | 17°13 | 12°45 |
| T 21 | 20 28 41 | 6° 6'55 | 21°42 | 26° 9 | 15°47 | 0°36 | 18°32 | 21° 3 | 18°14 | 26° 1 | 4° 1 | 11°19 | 11°32 | 17°20 | 12°49 |
| W22 | 20 32 38 | 7° 4'24 | 4 ² 2 | 27°45 | 17° 1 | 0°20 | 18°29 | 21° 9 | 18°18 | 26° 2 | 4° 3 | 11°19 | 11°29 | 17°27 | 12°53 |
| T 23 | 20 36 34 | 8° 1'54 | 16°37 | 29°19 | 18°15 | 0° 5 | 18°26 | 21°15 | 18°21 | 26° 4 | 4° 5 | 11°18 | 11°25 | 17°34 | 12°56 |
| F 24 | 20 40 31 | 8°59'24 | 29°27 | 0 ⁵² 52 | 19°29 | 29 ⁵⁰ 50 | 18°24 | 21°21 | 18°25 | 26° 5 | 4° 7 | 11°18 | 11°22 | 17°40 | 13° 0 |
| S 25 | 20 44 27 | 9°56'56 | 12 ³³ 33 | 2°23 | 20°43 | 29°35 | 18°21 | 21°27 | 18°28 | 26° 7 | 4° 8 | 11°D18 | 11°19 | 17°47 | 13° 3 |
| S 26 | 20 48 24 | 10°54'29 | 25°55 | 3°52 | 21°57 | 29°21 | 18°19 | 21°33 | 18°31 | 26° 9 | 4°10 | 11°R18 | 11°16 | 17°54 | 13° 7 |
| M27 | 20 52 20 | 11°52'03 | 9 ³² 32 | 5°20 | 23°11 | 29° 6 | 18°17 | 21°39 | 18°35 | 26°10 | 4°12 | 11°18 | 11°13 | 18° 1 | 13°10 |
| T 28 | 20 56 17 | 12°49'38 | 23°21 | 6°46 | 24°25 | 28°53 | 18°15 | 21°46 | 18°38 | 26°12 | 4°14 | 11°18 | 11° 9 | 18° 7 | 13°14 |
| W29 | 21 0 13 | 13°47'15 | 7 ²⁰ 20 | 8°10 | 25°39 | 28°40 | 18°13 | 21°52 | 18°42 | 26°14 | 4°15 | 11°18 | 11° 6 | 18°14 | 13°17 |
| T 30 | 21 4 10 | 14°44'53 | 21°27 | 9°33 | 26°53 | 28°27 | 18°12 | 21°58 | 18°45 | 26°16 | 4°17 | 11°18 | 11° 3 | 18°21 | 13°20 |
| F 31 | 21 8 7 | 15 ⁴² 42'33 | 5 ³⁹ 39 | 10 ⁵⁴ 54 | 28 ¹ 1 | 28 ¹⁵ 15 | 18 ¹¹ 11 | 22 ⁵ 5 | 18 ⁴⁸ 48 | 26 ¹⁷ 17 | 4 ¹⁹ 19 | 11 ¹⁷ 17 | 11 ⁰ 0 | 18 ²⁷ 27 | 13 ²³ 23 |

Delta T = 249.91 sec. Julian Calendar 1 July 1450 == Greg. Calendar 10 July 1450

AUGUST 1450 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|------------------------|---------------------|---------------------|---------------------|---------------------|-------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|
| S 1 | 21 12 3 | 16 ⁴⁰ 40'15 | 19 ⁵³ 53 | 12 ¹³ 13 | 29 ²¹ 21 | 28°R 3 | 18°R 9 | 22 ¹¹ 11 | 18 ⁵² 52 | 26 ¹⁹ 19 | 4 ²¹ 21 | 11°D17 | 10 ⁵⁷ 57 | 18 ³⁴ 34 | 13 ²⁷ 27 |
| S 2 | 21 16 0 | 17°37'59 | 4 ¹¹ 11 | 13°30 | 0 ³⁵ 35 | 27 ⁵² 52 | 18 ⁹ 9 | 22°18 | 18°55 | 26°21 | 4°22 | 11 ¹⁸ 18 | 10°54 | 18°41 | 13°30 |
| M 3 | 21 19 56 | 18°35'44 | 18°18 | 14°45 | 1°49 | 27°41 | 18° 8 | 22°24 | 18°58 | 26°23 | 4°24 | 11°18 | 10°50 | 18°48 | 13°33 |
| T 4 | 21 23 53 | 19°33'31 | 2 ²³ 23 | 15°59 | 3° 3 | 27°32 | 18° 7 | 22°31 | 19° 2 | 26°25 | 4°26 | 11°19 | 10°47 | 18°54 | 13°36 |
| W 5 | 21 27 49 | 20°31'19 | 16°21 | 17°10 | 4°17 | 27°22 | 18° 7 | 22°37 | 19° 5 | 26°27 | 4°28 | 11°20 | 10°44 | 19° 1 | 13°38 |
| T 6 | 21 31 46 | 21°29'09 | 0 ⁸ 8 | 18°20 | 5°31 | 27°14 | 18°D 7 | 22°44 | 19° 8 | 26°29 | 4°29 | 11°20 | 10°41 | 19° 8 | 13°41 |
| F 7 | 21 35 42 | 22°27'01 | 13°42 | 19°27 | 6°45 | 27° 6 | 18° 7 | 22°51 | 19°11 | 26°30 | 4°31 | 11°R20 | 10°38 | 19°15 | 13°44 |
| S 8 | 21 39 39 | 23°24'54 | 27° 1 | 20°32 | 7°59 | 26°59 | 18° 7 | 22°58 | 19°15 | 26°32 | 4°33 | 11°20 | 10°34 | 19°21 | 13°47 |
| S 9 | 21 43 36 | 24°22'49 | 10 ⁴ 4 | 21°35 | 9°13 | 26°53 | 18° 7 | 23° 4 | 19°18 | 26°34 | 4°34 | 11°19 | 10°31 | 19°28 | 13°49 |
| M10 | 21 47 32 | 25°20'45 | 22°51 | 22°35 | 10°27 | 26°48 | 18° 8 | 23°11 | 19°21 | 26°36 | 4°36 | 11°17 | 10°28 | 19°35 | 13°52 |
| T 11 | 21 51 29 | 26°18'43 | 5 ²² 22 | 23°32 | 11°41 | 26°43 | 18° 9 | 23°18 | 19°24 | 26°38 | 4°38 | 11°15 | 10°25 | 19°41 | 13°54 |
| W12 | 21 55 25 | 27°16'42 | 17°39 | 24°27 | 12°55 | 26°39 | 18°10 | 23°25 | 19°27 | 26°40 | 4°39 | 11°13 | 10°22 | 19°48 | 13°57 |
| T 13 | 21 59 22 | 28°14'42 | 29°45 | 25°19 | 14°10 | 26°36 | 18°11 | 23°32 | 19°30 | 26°42 | 4°41 | 11°11 | 10°19 | 19°55 | 13°59 |
| F 14 | 22 3 18 | 29°12'44 | 11 ⁴² 42 | 26° 7 | 15°24 | 26°34 | 18°12 | 23°39 | 19°33 | 26°44 | 4°43 | 11° 9 | 10°15 | 20° 2 | 14° 2 |
| S 15 | 22 7 15 | 0 ¹⁰ 10'47 | 23°35 | 26°52 | 16°38 | 26°33 | 18°14 | 23°46 | 19°36 | 26°46 | 4°44 | 11° 8 | 10°12 | 20° 8 | 14° 4 |
| S 16 | 22 11 11 | 1° 8'52 | 5 ²⁹ 29 | 27°34 | 17°52 | 26°D32 | 18°15 | 23°53 | 19°39 | 26°48 | 4°46 | 11°D 8 | 10° 9 | 20°15 | 14° 6 |
| M17 | 22 15 8 | 2° 6'58 | 17°28 | 28°12 | 19° 6 | 26°32 | 18°17 | 24° 0 | 19°42 | 26°50 | 4°48 | 11° 9 | 10° 6 | 20°22 | 14° 8 |
| T 18 | 22 19 5 | 3° 5'06 | 29°36 | 28°46 | 20°20 | 26°34 | 18°19 | 24° 7 | 19°45 | 26°52 | 4°49 | 11°10 | 10° 3 | 20°28 | 14°10 |
| W19 | 22 23 1 | 4° 3'15 | 11 ⁵⁹ 59 | 29°15 | 21°34 | 26°35 | 18°22 | 24°14 | 19°48 | 26°55 | 4°51 | 11°12 | 10° 0 | 20°35 | 14°12 |
| T 20 | 22 26 58 | 5° 1'26 | 24°39 | 29°40 | 22°48 | 26°38 | 18°24 | 24°21 | 19°51 | 26°57 | 4°52 | 11°13 | 9°56 | 20°42 | 14°14 |
| F 21 | 22 30 54 | 5°59'38 | 7 ³⁰ 30 | 29°59 | 24° 2 | 26°42 | 18°27 | 24°28 | 19°54 | 26°59 | 4°54 | 11°R14 | 9°53 | 20°49 | 14°16 |
| S 22 | 22 34 51 | 6°57'52 | 21° 3 | 0 ¹⁴ 14 | 25°16 | 26°46 | 18°30 | 24°35 | 19°56 | 27° 1 | 4°56 | 11°13 | 9°50 | 20°55 | 14°18 |
| S 23 | 22 38 47 | 7°56'08 | 4 ⁴⁷ 47 | 0°23 | 26°30 | 26°51 | 18°33 | 24°43 | 19°59 | 27° 3 | 4°57 | 11°12 | 9°47 | 21° 2 | 14°19 |
| M24 | 22 42 44 | 8°54'25 | 18°49 | 0°R27 | 27°44 | 26°57 | 18°36 | 24°50 | 20° 2 | 27° 5 | 4°59 | 11° 9 | 9°44 | 21° 9 | 14°21 |
| T 25 | 22 46 40 | 9°52'44 | 3 ⁷ 7 | 0°24 | 28°58 | 27° 4 | 18°39 | 24°57 | 20° 4 | 27° 7 | 5° 0 | 11° 5 | 9°40 | 21°15 | 14°22 |
| W26 | 22 50 37 | 10°51'06 | 17°34 | 0°15 | 0 ¹² 12 | 27°11 | 18°43 | 25° 4 | 20° 7 | 27° 9 | 5° 2 | 11° 1 | 9°37 | 21°22 | 14°24 |
| T 27 | 22 54 34 | 11°49'29 | 2 ⁵ 5 | 29 ⁵⁹ 59 | 1°26 | 27°19 | 18°46 | 25°12 | 20°10 | 27°12 | 5° 3 | 10°57 | 9°34 | 21°29 | 14°25 |
| F 28 | 22 58 30 | 12°47'54 | 16°33 | 29°36 | 2°40 | 27°28 | 18°50 | 25°19 | 20°12 | 27°14 | 5° 5 | 10°54 | 9°31 | 21°36 | 14°27 |
| S 29 | 23 2 27 | 13°46'22 | 0 ⁵⁵ 55 | 29° 7 | 3°54 | 27°38 | 18°54 | 25°26 | 20°15 | 27°16 | 5° 6 | 10°51 | 9°28 | 21°42 | 14°28 |
| S 30 | 23 6 23 | 14°44'52 | 15° 7 | 28°31 | 5° 8 | 27°49 | 18°58 | 25°33 | 20°17 | 27°18 | 5° 8 | 10°D51 | 9°25 | 21°49 | 14°29 |
| M31 | 23 10 20 | 15 ⁴³ 43'25 | 29 ⁶ 6 | 27 ⁴⁸ 48 | 6 ²² 22 | 28 ⁰ 0 | 19 ³ 3 | 25 ⁴¹ 41 | 20 ²⁰ 20 | 27 ²⁰ 20 | 5 ⁹ 9 | 10 ⁵¹ 51 | 9 ²¹ 21 | 21 ⁵⁶ 56 | 14 ³⁰ 30 |

Delta T = 249.80 sec. Julian Calendar created from Swiss Ephemeris, Copyright AstroDienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1450

SEPTEMBER 1450 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♁ | ♃ | ♄ |
|------|----------|-----------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|-------------------|--------------------|--------------------|
| T 1 | 23 14 16 | 16 ^h 41'59 | 12 ^h 53 | 26°R59 | 7 ^h 36 | 28 ^h 12 | 19 ^h 7 | 25 ^h 48 | 20 ^h 22 | 27 ^h 23 | 5 ^h 10 | 10 ^h 53 | 9 ^h 18 | 22 ^h 3 | 14 ^h 31 |
| W 2 | 23 18 13 | 17°40'36 | 26°27 | 26 ^h 5 | 8°50 | 28°24 | 19°12 | 25°55 | 20°24 | 27°25 | 5°12 | 10°54 | 9°15 | 22°9 | 14°32 |
| T 3 | 23 22 9 | 18°39'15 | 9 ^h 49 | 25°7 | 10°4 | 28°37 | 19°17 | 26°3 | 20°27 | 27°27 | 5°13 | 10°R55 | 9°12 | 22°16 | 14°33 |
| F 4 | 23 26 6 | 19°37'56 | 22°58 | 24°5 | 11°18 | 28°51 | 19°22 | 26°10 | 20°29 | 27°29 | 5°14 | 10°54 | 9°9 | 22°23 | 14°34 |
| S 5 | 23 30 3 | 20°36'39 | 5 ^h 56 | 23°0 | 12°32 | 29°6 | 19°27 | 26°18 | 20°31 | 27°31 | 5°16 | 10°52 | 9°6 | 22°29 | 14°35 |
| S 6 | 23 33 59 | 21°35'24 | 18°41 | 21°55 | 13°46 | 29°21 | 19°33 | 26°25 | 20°34 | 27°34 | 5°17 | 10°47 | 9°2 | 22°36 | 14°35 |
| M 7 | 23 37 56 | 22°34'11 | 1 ^h 15 | 20°51 | 15°0 | 29°37 | 19°38 | 26°32 | 20°36 | 27°36 | 5°18 | 10°41 | 8°59 | 22°43 | 14°36 |
| T 8 | 23 41 52 | 23°33'00 | 13°37 | 19°49 | 16°14 | 29°54 | 19°44 | 26°40 | 20°38 | 27°38 | 5°20 | 10°33 | 8°56 | 22°50 | 14°36 |
| W 9 | 23 45 49 | 24°31'51 | 22°58 | 18°51 | 17°28 | 0 ^h 11 | 19°50 | 26°47 | 20°40 | 27°40 | 5°21 | 10°25 | 8°53 | 22°56 | 14°37 |
| T 10 | 23 49 45 | 25°30'44 | 7 ^h 50 | 17°58 | 18°42 | 0°29 | 19°56 | 26°55 | 20°42 | 27°43 | 5°22 | 10°17 | 8°50 | 23°3 | 14°37 |
| F 11 | 23 53 42 | 26°29'39 | 19°45 | 17°13 | 19°56 | 0°47 | 20°2 | 27°2 | 20°44 | 27°45 | 5°23 | 10°10 | 8°46 | 23°10 | 14°37 |
| S 12 | 23 57 38 | 27°28'36 | 1 ^h 37 | 16°36 | 21°10 | 1°6 | 20°8 | 27°9 | 20°46 | 27°47 | 5°25 | 10°5 | 8°43 | 23°16 | 14°38 |
| S 13 | 0 1 35 | 28°27'35 | 13°28 | 16°8 | 22°24 | 1°26 | 20°15 | 27°17 | 20°48 | 27°49 | 5°26 | 10°1 | 8°40 | 23°23 | 14°38 |
| M 14 | 0 5 31 | 29°26'35 | 25°24 | 15°50 | 23°38 | 1°46 | 20°22 | 27°24 | 20°50 | 27°51 | 5°27 | 10°D 0 | 8°37 | 23°30 | 14°R38 |
| T 15 | 0 9 28 | 0 ^h 25'37 | 7 ^h 30 | 15°D42 | 24°51 | 2°6 | 20°28 | 27°32 | 20°51 | 27°54 | 5°28 | 10°0 | 8°34 | 23°37 | 14°38 |
| W 16 | 0 13 25 | 1°24'41 | 19°50 | 15°45 | 26°5 | 2°28 | 20°35 | 27°39 | 20°53 | 27°56 | 5°29 | 10°1 | 8°31 | 23°43 | 14°37 |
| T 17 | 0 17 21 | 2°23'47 | 2 ^h 29 | 15°58 | 27°19 | 2°49 | 20°42 | 27°46 | 20°55 | 27°58 | 5°30 | 10°2 | 8°27 | 23°50 | 14°37 |
| F 18 | 0 21 18 | 3°22'55 | 15°32 | 16°21 | 28°33 | 3°12 | 20°50 | 27°54 | 20°56 | 28°0 | 5°31 | 10°R 2 | 8°24 | 23°57 | 14°37 |
| S 19 | 0 25 14 | 4°22'04 | 29°1 | 16°53 | 29°47 | 3°34 | 20°57 | 28°1 | 20°58 | 28°3 | 5°33 | 10°0 | 8°21 | 24°3 | 14°37 |
| S 20 | 0 29 11 | 5°21'15 | 12 ^h 58 | 17°35 | 1 ^h 1 | 3°58 | 21°5 | 28°8 | 21°0 | 28°5 | 5°34 | 9°56 | 8°18 | 24°10 | 14°36 |
| M 21 | 0 33 7 | 6°20'28 | 27°19 | 18°26 | 2°15 | 4°21 | 21°12 | 28°16 | 21°1 | 28°7 | 5°35 | 9°50 | 8°15 | 24°17 | 14°36 |
| T 22 | 0 37 4 | 7°19'43 | 12 ^h 9 | 19°24 | 3°28 | 4°46 | 21°20 | 28°23 | 21°3 | 28°9 | 5°36 | 9°42 | 8°11 | 24°24 | 14°35 |
| W 23 | 0 41 0 | 8°19'01 | 26°55 | 20°29 | 4°42 | 5°10 | 21°28 | 28°31 | 21°4 | 28°11 | 5°37 | 9°33 | 8°8 | 24°30 | 14°34 |
| T 24 | 0 44 57 | 9°18'20 | 11 ^h 53 | 21°40 | 5°56 | 5°35 | 21°36 | 28°38 | 21°5 | 28°14 | 5°38 | 9°24 | 8°5 | 24°37 | 14°34 |
| F 25 | 0 48 54 | 10°17'42 | 26°45 | 22°57 | 7°10 | 6°1 | 21°44 | 28°45 | 21°7 | 28°16 | 5°38 | 9°16 | 8°2 | 24°44 | 14°33 |
| S 26 | 0 52 50 | 11°17'06 | 11 ^h 24 | 24°18 | 8°23 | 6°27 | 21°53 | 28°52 | 21°8 | 28°18 | 5°39 | 9°11 | 7°59 | 24°51 | 14°32 |
| S 27 | 0 56 47 | 12°16'33 | 25°45 | 25°44 | 9°37 | 6°53 | 22°1 | 29°0 | 21°9 | 28°20 | 5°40 | 9°7 | 7°56 | 24°57 | 14°31 |
| M 28 | 1 0 43 | 13°16'02 | 9 ^h 26 | 27°13 | 10°51 | 7°20 | 22°10 | 29°7 | 21°10 | 28°22 | 5°41 | 9°D 6 | 7°52 | 25°4 | 14°30 |
| T 29 | 1 4 40 | 14°15'33 | 23°26 | 28°45 | 12°5 | 7°47 | 22°18 | 29°14 | 21°11 | 28°25 | 5°42 | 9°6 | 7°49 | 25°11 | 14°29 |
| W 30 | 1 8 36 | 15°15'07 | 6 ^h 47 | 0 ^h 19 | 13 ^h 18 | 8 ^h 14 | 22 ^h 27 | 29 ^h 21 | 21 ^h 12 | 28 ^h 27 | 5 ^h 43 | 9°R 7 | 7 ^h 46 | 25 ^h 17 | 14 ^h 28 |

Delta T = 249.70 sec. Julian Calendar 1 Sept. 1450 == Greg. Calendar 10 Sept. 1450

OCTOBER 1450 JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♁ | ♃ | ♄ |
|------|---------|-----------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| T 1 | 1 12 33 | 16 ^h 14'43 | 19 ^h 51 | 1 ^h 55 | 14 ^h 32 | 8 ^h 42 | 22 ^h 36 | 29 ^h 29 | 21 ^h 13 | 28 ^h 29 | 5 ^h 43 | 9°R 6 | 7 ^h 43 | 25 ^h 24 | 14°R26 |
| F 2 | 1 16 29 | 17°14'21 | 2 ^h 41 | 3°33 | 15°46 | 9°10 | 22°45 | 29°36 | 21°14 | 28°31 | 5°44 | 9 ^h 4 | 7°40 | 25°31 | 14 ^h 25 |
| S 3 | 1 20 26 | 18°14'01 | 15°19 | 5°12 | 17°0 | 9°39 | 22°55 | 29°43 | 21°15 | 28°33 | 5°45 | 8°59 | 7°37 | 25°38 | 14°24 |
| S 4 | 1 24 23 | 19°13'44 | 27°47 | 6°52 | 18°13 | 10°7 | 23°4 | 29°50 | 21°16 | 28°35 | 5°46 | 8°51 | 7°33 | 25°44 | 14°22 |
| M 5 | 1 28 19 | 20°13'29 | 10 ^h 6 | 8°33 | 19°27 | 10°37 | 23°13 | 29°57 | 21°17 | 28°37 | 5°46 | 8°40 | 7°30 | 25°51 | 14°20 |
| T 6 | 1 32 16 | 21°13'15 | 22°17 | 10°14 | 20°41 | 11°6 | 23°23 | 0 ^h 4 | 21°18 | 28°40 | 5°47 | 8°27 | 7°27 | 25°58 | 14°19 |
| W 7 | 1 36 12 | 22°13'04 | 4 ^h 20 | 11°55 | 21°54 | 11°36 | 23°33 | 0°11 | 21°18 | 28°42 | 5°48 | 8°13 | 7°24 | 26°4 | 14°17 |
| T 8 | 1 40 9 | 23°12'55 | 16°17 | 13°37 | 23°8 | 12°6 | 23°43 | 0°18 | 21°19 | 28°44 | 5°48 | 7°59 | 7°21 | 26°11 | 14°15 |
| F 9 | 1 44 5 | 24°12'47 | 28°10 | 15°18 | 24°22 | 12°37 | 23°53 | 0°26 | 21°20 | 28°46 | 5°49 | 7°47 | 7°17 | 26°18 | 14°13 |
| S 10 | 1 48 2 | 25°12'42 | 9 ^h 59 | 16°59 | 25°35 | 13°8 | 24°3 | 0°32 | 21°20 | 28°48 | 5°49 | 7°37 | 7°14 | 26°25 | 14°12 |
| S 11 | 1 51 58 | 26°12'38 | 21°49 | 18°40 | 26°49 | 13°39 | 24°13 | 0°39 | 21°20 | 28°50 | 5°50 | 7°29 | 7°11 | 26°31 | 14°10 |
| M 12 | 1 55 55 | 27°12'36 | 3 ^h 43 | 20°21 | 28°2 | 14°10 | 24°23 | 0°46 | 21°21 | 28°52 | 5°50 | 7°25 | 7°8 | 26°38 | 14°7 |
| T 13 | 1 59 52 | 28°12'36 | 15°45 | 22°2 | 29°16 | 14°42 | 24°33 | 0°53 | 21°21 | 28°54 | 5°51 | 7°23 | 7°5 | 26°45 | 14°5 |
| W 14 | 2 3 48 | 29°12'38 | 28°1 | 23°42 | 0 ^h 29 | 15°14 | 24°44 | 1°0 | 21°22 | 28°56 | 5°51 | 7°D22 | 7°2 | 26°51 | 14°3 |
| T 15 | 2 7 45 | 0 ^h 12'41 | 10 ^h 35 | 25°22 | 1°43 | 15°46 | 24°54 | 1°7 | 21°22 | 28°58 | 5°52 | 7°R22 | 6°58 | 26°58 | 14°1 |
| F 16 | 2 11 41 | 1°12'45 | 23°33 | 27°1 | 2°56 | 16°18 | 25°5 | 1°14 | 21°22 | 29°0 | 5°52 | 7°21 | 6°55 | 27°5 | 13°59 |
| S 17 | 2 15 38 | 2°12'51 | 6 ^h 58 | 28°40 | 4°10 | 16°51 | 25°16 | 1°20 | 21°22 | 29°2 | 5°52 | 7°19 | 6°52 | 27°12 | 13°56 |
| S 18 | 2 19 34 | 3°12'59 | 20°54 | 0 ^h 19 | 5°23 | 17°24 | 25°27 | 1°27 | 21°22 | 29°4 | 5°53 | 7°14 | 6°49 | 27°18 | 13°54 |
| M 19 | 2 23 31 | 4°13'09 | 5°9 | 1°57 | 6°37 | 17°57 | 25°38 | 1°34 | 21°R22 | 29°6 | 5°53 | 7°6 | 6°46 | 27°25 | 13°51 |
| T 20 | 2 27 27 | 5°13'20 | 20°10 | 3°35 | 7°50 | 18°30 | 25°49 | 1°40 | 21°22 | 29°8 | 5°53 | 6°56 | 6°43 | 27°32 | 13°49 |
| W 21 | 2 31 24 | 6°13'32 | 5 ^h 20 | 5°12 | 9°4 | 19°4 | 26°0 | 1°47 | 21°22 | 29°9 | 5°53 | 6°45 | 6°39 | 27°38 | 13°46 |
| T 22 | 2 35 21 | 7°13'47 | 20°37 | 6°49 | 10°17 | 19°38 | 26°11 | 1°53 | 21°22 | 29°11 | 5°54 | 6°33 | 6°36 | 27°45 | 13°43 |
| F 23 | 2 39 17 | 8°14'04 | 5 ^h 11 | 8°26 | 11°30 | 20°12 | 26°22 | 2°0 | 21°22 | 29°13 | 5°54 | 6°23 | 6°33 | 27°52 | 13°41 |
| S 24 | 2 43 14 | 9°14'22 | 20°50 | 10°2 | 12°44 | 20°46 | 26°34 | 2°6 | 21°21 | 29°15 | 5°54 | 6°15 | 6°30 | 27°59 | 13°38 |
| S 25 | 2 47 10 | 10°14'43 | 5 ^h 28 | 11°38 | 13°57 | 21°20 | 26°45 | 2°13 | 21°21 | 29°17 | 5°54 | 6°10 | 6°27 | 28°5 | 13°35 |
| M 26 | 2 51 7 | 11°15'05 | 19°40 | 13°14 | 15°10 | 21°55 | 26°57 | 2°19 | 21°21 | 29°19 | 5°54 | 6°8 | 6°23 | 28°12 | 13°32 |
| T 27 | 2 55 3 | 12°15'30 | 3 ^h 26 | 14°49 | 16°23 | 22°29 | 27°9 | 2°25 | 21°20 | 29°20 | 5°54 | 6°7 | 6°20 | 28°19 | 13°29 |
| W 28 | 2 59 0 | 13°15'56 | 16°46 | 16°24 | 17°37 | 23°4 | 27°20 | 2°31 | 21°20 | 29°22 | 5°54 | 6°7 | 6°17 | 28°25 | 13°26 |
| T 29 | 3 2 56 | 14°16'24 | 29°45 | 17°59 | 18°50 | 23°39 | 27°32 | 2°38 | 21°19 | 29°24 | 5°R54 | 6°6 | 6°14 | 28°32 | 13°23 |
| F 30 | 3 6 53 | 15°16'54 | 12 ^h 25 | 19°33 | 20°3 | 24°15 | 27°44 | 2°44 | 21°19 | 29°25 | 5°54 | 6°4 | 6°11 | 28°39 | 13°20 |
| S 31 | 3 10 50 | 16 ^h 17'26 | 24 ^h 51 | 21 ^h 8 | 21 ^h 16 | 24 ^h 50 | 27 ^h 56 | 2 ^h 50 | 21 ^h 18 | 29 ^h 27 | 5 ^h 54 | 5 ^h 58 | 6 ^h 8 | 28 ^h 46 | 13 ^h 17 |

Delta T = 249.60 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1450

NOVEMBER 1450 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|--------|-------|-------|-------|-------|------|--------|-------|-------|-------|------|-------|--------|
| S 1 | 3 14 46 | 17♏18'00 | 7♎ 7 | 22♏41 | 22♏29 | 25♏26 | 28♏ 8 | 2♎56 | 21°R18 | 29♏29 | 5°R54 | 5°R50 | 6♏ 4 | 28♏52 | 13°R14 |
| M 2 | 3 18 43 | 18°18'36 | 19°14 | 24°15 | 23°42 | 26° 1 | 28°20 | 3° 2 | 21♏17 | 29°30 | 5♏54 | 5♏39 | 6° 1 | 28°59 | 13♏10 |
| T 3 | 3 22 39 | 19°19'13 | 1♏14 | 25°49 | 24°55 | 26°37 | 28°32 | 3° 8 | 21°16 | 29°32 | 5°54 | 5°26 | 5°58 | 29° 6 | 13° 7 |
| W 4 | 3 26 36 | 20°19'52 | 13°11 | 27°22 | 26° 9 | 27°13 | 28°45 | 3°13 | 21°15 | 29°34 | 5°54 | 5°11 | 5°55 | 29°12 | 13° 4 |
| T 5 | 3 30 32 | 21°20'32 | 25° 4 | 28°55 | 27°22 | 27°50 | 28°57 | 3°19 | 21°14 | 29°35 | 5°54 | 4°57 | 5°52 | 29°19 | 13° 0 |
| F 6 | 3 34 29 | 22°21'14 | 6♏55 | 0♏28 | 28°35 | 28°26 | 29° 9 | 3°25 | 21°13 | 29°37 | 5°54 | 4°44 | 5°49 | 29°26 | 12°57 |
| S 7 | 3 38 25 | 23°21'57 | 18°45 | 2° 1 | 29°47 | 29° 3 | 29°22 | 3°31 | 21°12 | 29°38 | 5°53 | 4°33 | 5°45 | 29°33 | 12°54 |
| S 8 | 3 42 22 | 24°22'41 | 0♏37 | 3°33 | 1♏ 0 | 29°39 | 29°34 | 3°36 | 21°11 | 29°40 | 5°53 | 4°25 | 5°42 | 29°39 | 12°50 |
| M 9 | 3 46 19 | 25°23'27 | 12°33 | 5° 6 | 2°13 | 0♏16 | 29°47 | 3°42 | 21°10 | 29°41 | 5°53 | 4°20 | 5°39 | 29°46 | 12°47 |
| T 10 | 3 50 15 | 26°24'14 | 24°36 | 6°38 | 3°26 | 0°53 | 29°59 | 3°47 | 21° 9 | 29°43 | 5°52 | 4°18 | 5°36 | 29°53 | 12°43 |
| W 11 | 3 54 12 | 27°25'02 | 6♏51 | 8°10 | 4°39 | 1°30 | 0♏12 | 3°53 | 21° 8 | 29°44 | 5°52 | 4°D17 | 5°33 | 29°59 | 12°40 |
| T 12 | 3 58 8 | 28°25'51 | 19°22 | 9°42 | 5°52 | 2° 7 | 0°25 | 3°58 | 21° 7 | 29°45 | 5°52 | 4°18 | 5°29 | 0♏ 6 | 12°36 |
| F 13 | 4 2 5 | 29°26'40 | 2♏14 | 11°14 | 7° 4 | 2°44 | 0°38 | 4° 3 | 21° 5 | 29°47 | 5°51 | 4°R18 | 5°26 | 0°13 | 12°32 |
| S 14 | 4 6 1 | 0♏27'31 | 15°31 | 12°45 | 8°17 | 3°22 | 0°51 | 4° 8 | 21° 4 | 29°48 | 5°51 | 4°17 | 5°23 | 0°19 | 12°29 |
| S 15 | 4 9 58 | 1°28'22 | 29°16 | 14°17 | 9°30 | 3°59 | 1° 4 | 4°13 | 21° 3 | 29°49 | 5°51 | 4°14 | 5°20 | 0°26 | 12°25 |
| M 16 | 4 13 54 | 2°29'15 | 13°V31 | 15°48 | 10°42 | 4°37 | 1°17 | 4°18 | 21° 1 | 29°50 | 5°50 | 4° 8 | 5°17 | 0°33 | 12°21 |
| T 17 | 4 17 51 | 3°30'08 | 28°14 | 17°19 | 11°55 | 5°14 | 1°30 | 4°23 | 21° 0 | 29°52 | 5°50 | 4° 0 | 5°14 | 0°40 | 12°18 |
| W 18 | 4 21 48 | 4°31'02 | 13♏20 | 18°49 | 13° 7 | 5°52 | 1°43 | 4°28 | 20°58 | 29°53 | 5°49 | 3°51 | 5°10 | 0°46 | 12°14 |
| T 19 | 4 25 44 | 5°31'58 | 28°38 | 20°20 | 14°20 | 6°30 | 1°56 | 4°33 | 20°57 | 29°54 | 5°48 | 3°42 | 5° 7 | 0°53 | 12°10 |
| F 20 | 4 29 41 | 6°32'54 | 13♏59 | 21°50 | 15°32 | 7° 8 | 2°10 | 4°38 | 20°55 | 29°55 | 5°48 | 3°33 | 5° 4 | 1° 0 | 12° 7 |
| S 21 | 4 33 37 | 7°33'51 | 29°10 | 23°19 | 16°44 | 7°46 | 2°23 | 4°42 | 20°53 | 29°56 | 5°47 | 3°27 | 5° 1 | 1° 6 | 12° 3 |
| S 22 | 4 37 34 | 8°34'50 | 14♏ 2 | 24°48 | 17°57 | 8°24 | 2°36 | 4°47 | 20°52 | 29°57 | 5°47 | 3°23 | 4°58 | 1°13 | 11°59 |
| M 23 | 4 41 30 | 9°35'49 | 28°29 | 26°16 | 19° 9 | 9° 2 | 2°49 | 4°51 | 20°50 | 29°58 | 5°46 | 3°D21 | 4°55 | 1°20 | 11°55 |
| T 24 | 4 45 27 | 10°36'50 | 12♏27 | 27°44 | 20°21 | 9°41 | 3° 3 | 4°56 | 20°48 | 29°59 | 5°45 | 3°22 | 4°51 | 1°27 | 11°52 |
| W 25 | 4 49 23 | 11°37'51 | 25°56 | 29°10 | 21°33 | 10°19 | 3°16 | 5° 0 | 20°46 | 0♏ 0 | 5°45 | 3°23 | 4°48 | 1°33 | 11°48 |
| T 26 | 4 53 20 | 12°38'54 | 9♏ 0 | 0♏36 | 22°45 | 10°57 | 3°30 | 5° 4 | 20°45 | 0° 1 | 5°44 | 3°R23 | 4°45 | 1°40 | 11°44 |
| F 27 | 4 57 17 | 13°39'58 | 21°42 | 2° 0 | 23°57 | 11°36 | 3°43 | 5° 9 | 20°43 | 0° 2 | 5°43 | 3°23 | 4°42 | 1°47 | 11°40 |
| S 28 | 5 1 13 | 14°41'02 | 4♏ 5 | 3°23 | 25° 9 | 12°14 | 3°57 | 5°13 | 20°41 | 0° 3 | 5°42 | 3°21 | 4°39 | 1°53 | 11°36 |
| S 29 | 5 5 10 | 15°42'08 | 16°15 | 4°44 | 26°20 | 12°53 | 4°10 | 5°17 | 20°39 | 0° 4 | 5°42 | 3°17 | 4°35 | 2° 0 | 11°33 |
| M 30 | 5 9 6 | 16°43'14 | 28♏16 | 6♏ 3 | 27♏32 | 13♏32 | 4♏24 | 5♏20 | 20♏37 | 0♏ 5 | 5♏41 | 3♏10 | 4♏32 | 2♏ 7 | 11♏29 |

Delta T = 249.50 sec. Julian Calendar 1 Nov. 1450 == Greg. Calendar 10 Nov. 1450

DECEMBER 1450 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|-------|-------|------|--------|-------|-------|-------|------|------|--------|
| T 1 | 5 13 3 | 17♏44'22 | 10♏11 | 7♏19 | 28♏44 | 14♏11 | 4♏38 | 5♏24 | 20°R35 | 0♏ 6 | 5°R40 | 3°R 2 | 4♏29 | 2♏14 | 11°R25 |
| W 2 | 5 16 59 | 18°45'30 | 22° 3 | 8°33 | 29°55 | 14°49 | 4°51 | 5°28 | 20♏33 | 0° 6 | 5♏39 | 2♏53 | 4°26 | 2°20 | 11♏21 |
| T 3 | 5 20 56 | 19°46'39 | 3♏53 | 9°43 | 1♏ 7 | 15°28 | 5° 5 | 5°32 | 20°30 | 0° 7 | 5°38 | 2°44 | 4°23 | 2°27 | 11°18 |
| F 4 | 5 24 52 | 20°47'49 | 15°45 | 10°50 | 2°18 | 16° 7 | 5°19 | 5°35 | 20°28 | 0° 8 | 5°37 | 2°36 | 4°20 | 2°34 | 11°14 |
| S 5 | 5 28 49 | 21°48'59 | 27°40 | 11°52 | 3°30 | 16°46 | 5°33 | 5°39 | 20°26 | 0° 8 | 5°36 | 2°29 | 4°16 | 2°40 | 11°10 |
| S 6 | 5 32 46 | 22°50'09 | 9♏38 | 12°49 | 4°41 | 17°25 | 5°46 | 5°42 | 20°24 | 0° 9 | 5°35 | 2°25 | 4°13 | 2°47 | 11° 7 |
| M 7 | 5 36 42 | 23°51'20 | 21°43 | 13°40 | 5°52 | 18° 5 | 6° 0 | 5°45 | 20°22 | 0°10 | 5°34 | 2°22 | 4°10 | 2°54 | 11° 3 |
| T 8 | 5 40 39 | 24°52'31 | 3♏55 | 14°24 | 7° 3 | 18°44 | 6°14 | 5°48 | 20°19 | 0°10 | 5°33 | 2°D21 | 4° 7 | 3° 1 | 10°59 |
| W 9 | 5 44 35 | 25°53'43 | 16°18 | 15° 1 | 8°14 | 19°23 | 6°28 | 5°51 | 20°17 | 0°11 | 5°32 | 2°22 | 4° 4 | 3° 7 | 10°56 |
| T 10 | 5 48 32 | 26°54'54 | 28°54 | 15°29 | 9°25 | 20° 2 | 6°42 | 5°54 | 20°15 | 0°11 | 5°31 | 2°24 | 4° 1 | 3°14 | 10°52 |
| F 11 | 5 52 28 | 27°56'05 | 11♏48 | 15°48 | 10°36 | 20°42 | 6°56 | 5°57 | 20°12 | 0°12 | 5°30 | 2°25 | 3°57 | 3°21 | 10°49 |
| S 12 | 5 56 25 | 28°57'16 | 25° 1 | 15°R56 | 11°46 | 21°21 | 7°10 | 6° 0 | 20°10 | 0°12 | 5°29 | 2°R26 | 3°54 | 3°27 | 10°45 |
| S 13 | 6 0 22 | 29°58'27 | 8°V38 | 15°54 | 12°57 | 22° 0 | 7°23 | 6° 3 | 20° 8 | 0°13 | 5°28 | 2°26 | 3°51 | 3°34 | 10°41 |
| M 14 | 6 4 18 | 0♏59'38 | 22°38 | 15°40 | 14° 7 | 22°40 | 7°37 | 6° 5 | 20° 5 | 0°13 | 5°27 | 2°24 | 3°48 | 3°41 | 10°38 |
| T 15 | 6 8 15 | 2° 0'48 | 7♏ 3 | 15°14 | 15°18 | 23°19 | 7°51 | 6° 8 | 20° 3 | 0°13 | 5°26 | 2°21 | 3°45 | 3°47 | 10°35 |
| W 16 | 6 12 11 | 3° 1'59 | 21°49 | 14°36 | 16°28 | 23°59 | 8° 5 | 6°10 | 20° 0 | 0°13 | 5°25 | 2°17 | 3°41 | 3°54 | 10°31 |
| T 17 | 6 16 8 | 4° 3'09 | 6♏49 | 13°47 | 17°38 | 24°39 | 8°19 | 6°12 | 19°58 | 0°14 | 5°24 | 2°13 | 3°38 | 4° 1 | 10°28 |
| F 18 | 6 20 4 | 5° 4'19 | 21°56 | 12°48 | 18°48 | 25°18 | 8°33 | 6°14 | 19°55 | 0°14 | 5°23 | 2° 9 | 3°35 | 4° 8 | 10°24 |
| S 19 | 6 24 1 | 6° 5'30 | 7♏ 0 | 11°40 | 19°57 | 25°58 | 8°47 | 6°16 | 19°53 | 0°14 | 5°21 | 2° 6 | 3°32 | 4°14 | 10°21 |
| S 20 | 6 27 57 | 7° 6'40 | 21°52 | 10°25 | 21° 7 | 26°37 | 9° 1 | 6°18 | 19°50 | 0°14 | 5°20 | 2° 5 | 3°29 | 4°21 | 10°18 |
| M 21 | 6 31 54 | 8° 7'49 | 6♏24 | 9° 7 | 22°16 | 27°17 | 9°15 | 6°20 | 19°48 | 0°14 | 5°19 | 2°D 4 | 3°26 | 4°28 | 10°15 |
| T 22 | 6 35 51 | 9° 8'59 | 20°31 | 7°46 | 23°26 | 27°57 | 9°29 | 6°22 | 19°45 | 0°14 | 5°18 | 2° 5 | 3°22 | 4°34 | 10°12 |
| W 23 | 6 39 47 | 10°10'09 | 4♏11 | 6°26 | 24°35 | 28°37 | 9°43 | 6°24 | 19°43 | 0°15 | 5°17 | 2° 7 | 3°19 | 4°41 | 10° 8 |
| T 24 | 6 43 44 | 11°11'19 | 17°24 | 5°10 | 25°44 | 29°16 | 9°57 | 6°25 | 19°40 | 0°R15 | 5°15 | 2° 8 | 3°16 | 4°48 | 10° 5 |
| F 25 | 6 47 40 | 12°12'28 | 0♏13 | 3°59 | 26°53 | 29°56 | 10°11 | 6°27 | 19°38 | 0°14 | 5°14 | 2° 9 | 3°13 | 4°54 | 10° 2 |
| S 26 | 6 51 37 | 13°13'38 | 12°41 | 2°55 | 28° 1 | 0°V36 | 10°25 | 6°28 | 19°35 | 0°14 | 5°13 | 2°R10 | 3°10 | 5° 1 | 9°59 |
| S 27 | 6 55 33 | 14°14'47 | 24°53 | 2° 0 | 29°10 | 1°16 | 10°39 | 6°29 | 19°32 | 0°14 | 5°11 | 2°10 | 3° 7 | 5° 8 | 9°56 |
| M 28 | 6 59 30 | 15°15'57 | 6♏53 | 1°14 | 0♏18 | 1°55 | 10°53 | 6°30 | 19°30 | 0°14 | 5°10 | 2° 8 | 3° 3 | 5°15 | 9°54 |
| T 29 | 7 3 26 | 16°17'06 | 18°46 | 0°37 | 1°26 | 2°35 | 11° 7 | 6°31 | 19°27 | 0°14 | 5° 9 | 2° 6 | 3° 0 | 5°21 | 9°51 |
| W 30 | 7 7 23 | 17°18'15 | 0♏37 | 0°11 | 2°34 | 3°15 | 11°21 | 6°32 | 19°25 | 0°14 | 5° 8 | 2° 4 | 2°57 | 5°28 | 9°48 |
| T 31 | 7 11 20 | 18°19'24 | 12♏27 | 29♏54 | 3♏42 | 3°V55 | 11♏35 | 6♏33 | 19♏22 | 0♏14 | 5♏ 6 | 2♏ 2 | 2♏54 | 5♏35 | 9♏45 |

Delta T = 249.40 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]