



Astrodienst Ephemeris Tables for the year 1483

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris
Code D5EPH

ASTRODIENST EPHEMERIS for the year 1483
geocentric

JANUARY 1483 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|--------|--------|-------|--------|-------|-------|--------|-------|--------|--------|--------|--------|--------|------|
| W 1 | 7 16 14 | 19°34'09 | 4°12 | 27°R47 | 6°K 2 | 9°V37 | 8°A30 | 6°M13 | 17°A43 | 8°A57 | 11°A23 | 14°R50 | 13°B54 | 17°B36 | 23°K42 | W 1 |
| T 2 | 7 20 10 | 20°35'15 | 16°57 | 26°B45 | 7° 7 | 10°15 | 8°33 | 6°17 | 17°47 | 8°58 | 11°23 | 14°D48 | 13°51 | 17°43 | 23°44 | T 2 |
| F 3 | 7 24 7 | 21°36'21 | 0°M 3 | 25°35 | 8°12 | 10°54 | 8°35 | 6°20 | 17°50 | 9° 0 | 11°23 | 14°B48 | 13°48 | 17°50 | 23°46 | F 3 |
| S 4 | 7 28 3 | 22°37'27 | 13°33 | 24°21 | 9°16 | 11°32 | 8°37 | 6°23 | 17°53 | 9° 2 | 11°23 | 14°R49 | 13°45 | 17°56 | 23°48 | S 4 |
| S 5 | 7 32 0 | 23°38'32 | 27°31 | 23° 4 | 10°20 | 12°10 | 8°39 | 6°27 | 17°56 | 9° 4 | 11°R23 | 14°48 | 13°42 | 18° 3 | 23°51 | S 5 |
| M 6 | 7 35 56 | 24°39'36 | 11°A57 | 21°47 | 11°24 | 12°49 | 8°41 | 6°30 | 17°59 | 9° 5 | 11°23 | 14°46 | 13°38 | 18°10 | 23°53 | M 6 |
| T 7 | 7 39 53 | 25°40'41 | 26°48 | 20°32 | 12°28 | 13°27 | 8°42 | 6°33 | 18° 2 | 9° 7 | 11°23 | 14°40 | 13°35 | 18°17 | 23°55 | T 7 |
| W 8 | 7 43 50 | 26°41'44 | 11°B58 | 19°21 | 13°31 | 14° 6 | 8°44 | 6°36 | 18° 5 | 9° 9 | 11°23 | 14°32 | 13°32 | 18°23 | 23°57 | W 8 |
| T 9 | 7 47 46 | 27°42'47 | 27°18 | 18°15 | 14°34 | 14°44 | 8°45 | 6°39 | 18° 8 | 9°11 | 11°23 | 14°22 | 13°29 | 18°30 | 24° 0 | T 9 |
| F 10 | 7 51 43 | 28°43'49 | 12°A36 | 17°17 | 15°37 | 15°23 | 8°46 | 6°41 | 18°11 | 9°12 | 11°23 | 14°11 | 13°26 | 18°37 | 24° 2 | F 10 |
| S 11 | 7 55 39 | 29°44'50 | 27°41 | 16°26 | 16°39 | 16° 1 | 8°46 | 6°44 | 18°14 | 9°14 | 11°23 | 14° 0 | 13°23 | 18°43 | 24° 5 | S 11 |
| S 12 | 7 59 36 | 0°A45'49 | 12°K23 | 15°45 | 17°41 | 16°40 | 8°47 | 6°47 | 18°17 | 9°15 | 11°23 | 13°50 | 13°19 | 18°50 | 24° 7 | S 12 |
| M13 | 8 3 32 | 1°46'48 | 26°37 | 15°12 | 18°42 | 17°18 | 8°47 | 6°49 | 18°20 | 9°17 | 11°22 | 13°44 | 13°16 | 18°57 | 24° 9 | M13 |
| T 14 | 8 7 29 | 2°47'45 | 10°V20 | 14°47 | 19°43 | 17°57 | 8°R48 | 6°52 | 18°23 | 9°18 | 11°22 | 13°40 | 13°13 | 19° 4 | 24°12 | T 14 |
| W15 | 8 11 25 | 3°48'41 | 23°34 | 14°32 | 20°44 | 18°35 | 8°48 | 6°54 | 18°26 | 9°20 | 11°22 | 13°38 | 13°10 | 19°10 | 24°15 | W15 |
| T 16 | 8 15 22 | 4°49'35 | 6°B22 | 14°D25 | 21°44 | 19°14 | 8°47 | 6°56 | 18°29 | 9°21 | 11°21 | 13°37 | 13° 7 | 19°17 | 24°17 | T 16 |
| F 17 | 8 19 19 | 5°50'28 | 18°49 | 14°25 | 22°44 | 19°53 | 8°47 | 6°58 | 18°31 | 9°23 | 11°21 | 13°37 | 13° 4 | 19°24 | 24°20 | F 17 |
| S 18 | 8 23 15 | 6°51'20 | 0°I59 | 14°33 | 23°43 | 20°31 | 8°46 | 7° 0 | 18°34 | 9°24 | 11°20 | 13°37 | 13° 0 | 19°30 | 24°23 | S 18 |
| S 19 | 8 27 12 | 7°52'11 | 12°59 | 14°48 | 24°42 | 21°10 | 8°46 | 7° 2 | 18°37 | 9°26 | 11°20 | 13°34 | 12°57 | 19°37 | 24°25 | S 19 |
| M20 | 8 31 8 | 8°53'00 | 24°51 | 15° 9 | 25°40 | 21°49 | 8°45 | 7° 4 | 18°40 | 9°27 | 11°19 | 13°28 | 12°54 | 19°44 | 24°28 | M20 |
| T 21 | 8 35 5 | 9°53'47 | 6°B42 | 15°36 | 26°38 | 22°28 | 8°43 | 7° 6 | 18°42 | 9°28 | 11°19 | 13°19 | 12°51 | 19°51 | 24°31 | T 21 |
| W22 | 8 39 1 | 10°54'33 | 18°32 | 16° 8 | 27°35 | 23° 6 | 8°42 | 7° 7 | 18°45 | 9°30 | 11°18 | 13° 7 | 12°48 | 19°57 | 24°34 | W22 |
| T 23 | 8 42 58 | 11°55'18 | 0°A25 | 16°45 | 28°31 | 23°45 | 8°41 | 7° 9 | 18°47 | 9°31 | 11°18 | 12°54 | 12°44 | 20° 4 | 24°37 | T 23 |
| F 24 | 8 46 54 | 12°56'01 | 12°22 | 17°27 | 29°27 | 24°24 | 8°39 | 7°10 | 18°50 | 9°32 | 11°17 | 12°39 | 12°41 | 20°11 | 24°40 | F 24 |
| S 25 | 8 50 51 | 13°56'43 | 24°24 | 18°13 | 0°V23 | 25° 2 | 8°37 | 7°11 | 18°52 | 9°34 | 11°16 | 12°24 | 12°38 | 20°17 | 24°43 | S 25 |
| S 26 | 8 54 48 | 14°57'24 | 6°M33 | 19° 2 | 1°17 | 25°41 | 8°35 | 7°12 | 18°55 | 9°35 | 11°16 | 12°10 | 12°35 | 20°24 | 24°45 | S 26 |
| M27 | 8 58 44 | 15°58'03 | 18°48 | 19°55 | 2°12 | 26°20 | 8°33 | 7°14 | 18°57 | 9°36 | 11°15 | 11°59 | 12°32 | 20°31 | 24°48 | M27 |
| T 28 | 9 2 41 | 16°58'41 | 1°A13 | 20°51 | 3° 5 | 26°59 | 8°30 | 7°15 | 18°59 | 9°37 | 11°14 | 11°51 | 12°29 | 20°38 | 24°52 | T 28 |
| W29 | 9 6 37 | 17°59'18 | 13°48 | 21°50 | 3°58 | 27°38 | 8°27 | 7°15 | 19° 2 | 9°38 | 11°13 | 11°45 | 12°25 | 20°44 | 24°55 | W29 |
| T 30 | 9 10 34 | 18°59'53 | 26°36 | 22°52 | 4°50 | 28°16 | 8°25 | 7°16 | 19° 4 | 9°39 | 11°12 | 11°43 | 12°22 | 20°51 | 24°58 | T 30 |
| F 31 | 9 14 30 | 20°A02'7 | 9°M41 | 23°B56 | 5°V41 | 28°V55 | 8°A22 | 7°M17 | 19°A 6 | 9°A40 | 11°A12 | 11°D42 | 12°B19 | 20°B58 | 25°K 1 | F 31 |

Delta T = 05m27s

Julian Calendar 1 Jan. 1483 == Greg. Calendar 10 Jan. 1483

FEBRUARY 1483 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|--------|--------|--------|--------|-------|-------|--------|-------|--------|--------|--------|--------|--------|------|
| S 1 | 9 18 27 | 21°A1'00 | 23°M 6 | 25°B 2 | 6°V32 | 29°V34 | 8°R18 | 7°M17 | 19°A 8 | 9°A41 | 11°R11 | 11°R42 | 12°B16 | 21°B 4 | 25°K 4 | S 1 |
| S 2 | 9 22 23 | 22° 1'32 | 6°A52 | 26°11 | 7°21 | 0°B13 | 8°A15 | 7°18 | 19°11 | 9°42 | 11°A10 | 11°B42 | 12°13 | 21°11 | 25° 7 | S 2 |
| M 3 | 9 26 20 | 23° 2'03 | 21° 2 | 27°22 | 8°10 | 0°52 | 8°12 | 7°18 | 19°13 | 9°43 | 11° 9 | 11°39 | 12°10 | 21°18 | 25°10 | M 3 |
| T 4 | 9 30 17 | 24° 2'32 | 5°B35 | 28°34 | 8°58 | 1°30 | 8° 8 | 7°19 | 19°15 | 9°44 | 11° 8 | 11°34 | 12° 6 | 21°25 | 25°14 | T 4 |
| W 5 | 9 34 13 | 25° 3'00 | 20°27 | 29°49 | 9°45 | 2° 9 | 8° 4 | 7°19 | 19°17 | 9°45 | 11° 7 | 11°26 | 12° 3 | 21°31 | 25°17 | W 5 |
| T 6 | 9 38 10 | 26° 3'26 | 5°A32 | 1°A 4 | 10°31 | 2°48 | 8° 0 | 7°R19 | 19°19 | 9°46 | 11° 6 | 11°16 | 12° 0 | 21°38 | 25°20 | T 6 |
| F 7 | 9 42 6 | 27° 3'51 | 20°39 | 2°22 | 11°16 | 3°27 | 7°56 | 7°19 | 19°21 | 9°47 | 11° 5 | 11° 5 | 11°57 | 21°45 | 25°24 | F 7 |
| S 8 | 9 46 3 | 28° 4'14 | 5°K39 | 3°41 | 12° 1 | 4° 6 | 7°51 | 7°18 | 19°23 | 9°48 | 11° 4 | 10°54 | 11°54 | 21°51 | 25°27 | S 8 |
| S 9 | 9 49 59 | 29° 4'36 | 20°21 | 5° 1 | 12°44 | 4°45 | 7°47 | 7°18 | 19°24 | 9°48 | 11° 3 | 10°45 | 11°50 | 21°58 | 25°30 | S 9 |
| M10 | 9 53 56 | 0°K 4'55 | 4°V40 | 6°23 | 13°26 | 5°23 | 7°42 | 7°18 | 19°26 | 9°49 | 11° 1 | 10°37 | 11°47 | 22° 5 | 25°34 | M10 |
| T 11 | 9 57 52 | 1° 5'12 | 18°30 | 7°47 | 14° 7 | 6° 2 | 7°37 | 7°17 | 19°28 | 9°50 | 11° 0 | 10°33 | 11°44 | 22°12 | 25°37 | T 11 |
| W12 | 10 1 49 | 2° 5'28 | 1°B51 | 9°11 | 14°46 | 6°41 | 7°32 | 7°17 | 19°30 | 9°51 | 10°59 | 10°31 | 11°41 | 22°18 | 25°40 | W12 |
| T 13 | 10 5 46 | 3° 5'41 | 14°45 | 10°37 | 15°25 | 7°20 | 7°27 | 7°16 | 19°31 | 9°51 | 10°58 | 10°D31 | 11°38 | 22°25 | 25°44 | T 13 |
| F 14 | 10 9 42 | 4° 5'52 | 27°16 | 12° 4 | 16° 2 | 7°59 | 7°22 | 7°15 | 19°33 | 9°52 | 10°57 | 10°31 | 11°35 | 22°32 | 25°47 | F 14 |
| S 15 | 10 13 39 | 5° 6'02 | 9°I30 | 13°32 | 16°38 | 8°38 | 7°16 | 7°14 | 19°34 | 9°52 | 10°55 | 10°R31 | 11°31 | 22°38 | 25°51 | S 15 |
| S 16 | 10 17 35 | 6° 6'09 | 21°30 | 15° 1 | 17°13 | 9°17 | 7°11 | 7°13 | 19°36 | 9°53 | 10°54 | 10°30 | 11°28 | 22°45 | 25°54 | S 16 |
| M17 | 10 21 32 | 7° 6'14 | 3°B23 | 16°32 | 17°46 | 9°55 | 7° 5 | 7°12 | 19°37 | 9°53 | 10°53 | 10°26 | 11°25 | 22°52 | 25°58 | M17 |
| T 18 | 10 25 28 | 8° 6'17 | 15°14 | 18° 3 | 18°17 | 10°34 | 6°59 | 7°11 | 19°39 | 9°54 | 10°52 | 10°20 | 11°22 | 22°59 | 26° 1 | T 18 |
| W19 | 10 29 25 | 9° 6'17 | 27° 5 | 19°36 | 18°47 | 11°13 | 6°53 | 7°10 | 19°40 | 9°54 | 10°50 | 10°12 | 11°19 | 23° 5 | 26° 5 | W19 |
| T 20 | 10 33 21 | 10° 6'16 | 9°A 1 | 21°10 | 19°15 | 11°52 | 6°47 | 7° 9 | 19°41 | 9°55 | 10°49 | 10° 2 | 11°16 | 23°12 | 26° 8 | T 20 |
| F 21 | 10 37 18 | 11° 6'13 | 21° 3 | 22°45 | 19°42 | 12°31 | 6°41 | 7° 7 | 19°42 | 9°55 | 10°47 | 9°50 | 11°12 | 23°19 | 26°12 | F 21 |
| S 22 | 10 41 15 | 12° 6'07 | 3°M14 | 24°22 | 20° 7 | 13° 9 | 6°34 | 7° 6 | 19°44 | 9°55 | 10°46 | 9°39 | 11° 9 | 23°25 | 26°16 | S 22 |
| S 23 | 10 45 11 | 13° 5'59 | 15°35 | 25°59 | 20°30 | 13°48 | 6°28 | 7° 4 | 19°45 | 9°56 | 10°45 | 9°28 | 11° 6 | 23°32 | 26°19 | S 23 |
| M24 | 10 49 8 | 14° 5'50 | 28° 5 | 27°38 | 20°51 | 14°27 | 6°21 | 7° 2 | 19°46 | 9°56 | 10°43 | 9°20 | 11° 3 | 23°39 | 26°23 | M24 |
| T 25 | 10 53 4 | 15° 5'38 | 10°A46 | 29°17 | 21°11 | 15° 6 | 6°14 | 7° 0 | 19°47 | 9°56 | 10°42 | 9°14 | 11° 0 | 23°46 | 26°26 | T 25 |
| W26 | 10 57 1 | 16° 5'25 | 23°38 | 0°K58 | 21°28 | 15°45 | 6° 8 | 6°58 | 19°48 | 9°56 | 10°40 | 9°10 | 10°56 | 23°52 | 26°30 | W26 |
| T 27 | 11 0 57 | 17° 5'10 | 6°M42 | 2°40 | 21°43 | 16°23 | 6° 1 | 6°56 | 19°49 | 9°57 | 10°39 | 9°D 9 | 10°53 | 23°59 | 26°34 | T 27 |
| F 28 | 11 4 54 | 18°K 4'53 | 19°M58 | 4°K24 | 21°V57 | 17°B 2 | 5°A54 | 6°M54 | 19°A50 | 9°A57 | 10°A37 | 9°B 9 | 10°B50 | 24°B 6 | 26°K37 | F 28 |

Delta T = 05m26s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1483

geocentric

MARCH 1483 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|-------|-------|--------|-------|-------|-------|--------|-------|--------|-------|--------|-------|-------|------|
| S 1 | 11 8 50 | 19°43'5 | 3°29 | 6°8 | 22°8 | 17°41 | 5°R47 | 6°R52 | 19°450 | 9°457 | 10°R36 | 9°R10 | 10°R47 | 24°12 | 26°41 | S 1 |
| S 2 | 11 12 47 | 20° 4'14 | 17°14 | 7°54 | 22°16 | 18°20 | 5°439 | 6°M50 | 19°51 | 9°57 | 10°434 | 9°R11 | 10°44 | 24°19 | 26°45 | S 2 |
| M 3 | 11 16 44 | 21° 3'52 | 1°16 | 9°41 | 22°23 | 18°58 | 5°32 | 6°47 | 19°52 | 9°57 | 10°33 | 9°11 | 10°41 | 24°26 | 26°48 | M 3 |
| T 4 | 11 20 40 | 22° 3'29 | 15°33 | 11°29 | 22°27 | 19°37 | 5°25 | 6°45 | 19°53 | 9°R57 | 10°31 | 9° 9 | 10°37 | 24°33 | 26°52 | T 4 |
| W 5 | 11 24 37 | 23° 3'03 | 0°4 | 13°19 | 22°R29 | 20°16 | 5°18 | 6°42 | 19°53 | 9°57 | 10°29 | 9° 4 | 10°34 | 24°39 | 26°56 | W 5 |
| T 6 | 11 28 33 | 24° 2'36 | 14°43 | 15°10 | 22°29 | 20°55 | 5°10 | 6°40 | 19°54 | 9°57 | 10°28 | 8°58 | 10°31 | 24°46 | 26°59 | T 6 |
| F 7 | 11 32 30 | 25° 2'07 | 29°25 | 17° 2 | 22°26 | 21°33 | 5° 3 | 6°37 | 19°54 | 9°57 | 10°26 | 8°51 | 10°28 | 24°53 | 27° 3 | F 7 |
| S 8 | 11 36 26 | 26° 1'36 | 14°3 | 18°55 | 22°20 | 22°12 | 4°55 | 6°34 | 19°55 | 9°57 | 10°25 | 8°45 | 10°25 | 24°59 | 27° 7 | S 8 |
| S 9 | 11 40 23 | 27° 1'03 | 28°28 | 20°50 | 22°13 | 22°51 | 4°48 | 6°31 | 19°55 | 9°56 | 10°23 | 8°39 | 10°21 | 25° 6 | 27°10 | S 9 |
| M10 | 11 44 19 | 28° 0'28 | 12°35 | 22°45 | 22° 2 | 23°29 | 4°40 | 6°28 | 19°56 | 9°56 | 10°21 | 8°34 | 10°18 | 25°13 | 27°14 | M10 |
| T 11 | 11 48 16 | 28°59'50 | 26°20 | 24°42 | 21°49 | 24° 8 | 4°32 | 6°25 | 19°56 | 9°56 | 10°20 | 8°32 | 10°15 | 25°20 | 27°18 | T 11 |
| W12 | 11 52 13 | 29°59'11 | 9°40 | 26°41 | 21°34 | 24°47 | 4°25 | 6°22 | 19°56 | 9°56 | 10°18 | 8°D31 | 10°12 | 25°26 | 27°21 | W12 |
| T 13 | 11 56 9 | 0°Y58'29 | 22°37 | 28°40 | 21°16 | 25°25 | 4°17 | 6°19 | 19°56 | 9°55 | 10°17 | 8°32 | 10° 9 | 25°33 | 27°25 | T 13 |
| F 14 | 12 0 6 | 1°57'45 | 5°12 | 0°Y41 | 20°56 | 26° 4 | 4° 9 | 6°16 | 19°56 | 9°55 | 10°15 | 8°33 | 10° 6 | 25°40 | 27°29 | F 14 |
| S 15 | 12 4 2 | 2°56'58 | 17°30 | 2°42 | 20°34 | 26°43 | 4° 1 | 6°12 | 19°57 | 9°55 | 10°13 | 8°35 | 10° 2 | 25°46 | 27°32 | S 15 |
| S 16 | 12 7 59 | 3°56'10 | 29°34 | 4°44 | 20° 9 | 27°21 | 3°54 | 6° 9 | 19°R57 | 9°54 | 10°12 | 8°R36 | 9°59 | 25°53 | 27°36 | S 16 |
| M17 | 12 11 55 | 4°55'19 | 11°30 | 6°47 | 19°42 | 28° 0 | 3°46 | 6° 5 | 19°57 | 9°54 | 10°10 | 8°36 | 9°56 | 26° 0 | 27°40 | M17 |
| T 18 | 12 15 52 | 5°54'26 | 23°22 | 8°51 | 19°14 | 28°39 | 3°38 | 6° 2 | 19°56 | 9°53 | 10° 8 | 8°34 | 9°53 | 26° 7 | 27°43 | T 18 |
| W19 | 12 19 48 | 6°53'30 | 5°15 | 10°55 | 18°43 | 29°17 | 3°31 | 5°58 | 19°56 | 9°53 | 10° 6 | 8°31 | 9°50 | 26°13 | 27°47 | W19 |
| T 20 | 12 23 45 | 7°52'32 | 17°13 | 13° 0 | 18°11 | 29°56 | 3°23 | 5°54 | 19°56 | 9°52 | 10° 5 | 8°27 | 9°47 | 26°20 | 27°50 | T 20 |
| F 21 | 12 27 42 | 8°51'32 | 29°20 | 15° 4 | 17°37 | 0°13 | 3°15 | 5°51 | 19°56 | 9°52 | 10° 3 | 8°22 | 9°43 | 26°27 | 27°54 | F 21 |
| S 22 | 12 31 38 | 9°50'29 | 11°39 | 17° 8 | 17° 2 | 1°13 | 3° 8 | 5°47 | 19°56 | 9°51 | 10° 1 | 8°17 | 9°40 | 26°34 | 27°58 | S 22 |
| S 23 | 12 35 35 | 10°49'24 | 24°11 | 19°12 | 16°26 | 1°51 | 3° 0 | 5°43 | 19°55 | 9°51 | 10° 0 | 8°12 | 9°37 | 26°40 | 28° 1 | S 23 |
| M24 | 12 39 31 | 11°48'18 | 6°57 | 21°15 | 15°49 | 2°30 | 2°52 | 5°39 | 19°55 | 9°50 | 9°58 | 8° 9 | 9°34 | 26°47 | 28° 5 | M24 |
| T 25 | 12 43 28 | 12°47'09 | 19°58 | 23°16 | 15°11 | 3° 8 | 2°45 | 5°35 | 19°55 | 9°49 | 9°56 | 8° 6 | 9°31 | 26°54 | 28° 8 | T 25 |
| W26 | 12 47 24 | 13°45'58 | 3°12 | 25°16 | 14°33 | 3°47 | 2°37 | 5°31 | 19°54 | 9°49 | 9°55 | 8°D 5 | 9°27 | 27° 0 | 28°12 | W26 |
| T 27 | 12 51 21 | 14°44'45 | 16°39 | 27°14 | 13°55 | 4°25 | 2°30 | 5°27 | 19°54 | 9°48 | 9°53 | 8° 5 | 9°24 | 27° 7 | 28°16 | T 27 |
| F 28 | 12 55 17 | 15°43'30 | 0°18 | 29°10 | 13°17 | 5° 4 | 2°22 | 5°23 | 19°53 | 9°47 | 9°51 | 8° 6 | 9°21 | 27°14 | 28°19 | F 28 |
| S 29 | 12 59 14 | 16°42'14 | 14° 7 | 1°3 | 12°40 | 5°42 | 2°15 | 5°19 | 19°52 | 9°46 | 9°50 | 8° 8 | 9°18 | 27°21 | 28°23 | S 29 |
| S 30 | 13 3 10 | 17°40'56 | 28° 5 | 2°53 | 12° 3 | 6°21 | 2° 8 | 5°15 | 19°52 | 9°46 | 9°48 | 8° 9 | 9°15 | 27°27 | 28°26 | S 30 |
| M31 | 13 7 7 | 18°Y39'37 | 12°12 | 4°40 | 11°Y28 | 6°159 | 2°1 | 5°11 | 19°451 | 9°445 | 9°46 | 8°R10 | 9°12 | 27°34 | 28°30 | M31 |

Delta T = 05m26s

Julian Calendar 1 March 1483 == Greg. Calendar 10 March 1483

APRIL 1483 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|-------|--------|--------|-------|--------|-------|--------|-------|-------|-------|-------|--------|-------|------|
| T 1 | 13 11 4 | 19°Y38'15 | 26°24 | 6°24 | 10°R53 | 7°138 | 1°R54 | 5°R 6 | 19°R50 | 9°R44 | 9°R45 | 8°R10 | 9°R 8 | 27°341 | 28°33 | T 1 |
| W 2 | 13 15 0 | 20°36'52 | 10°40 | 8° 3 | 10°Y20 | 8°16 | 1°447 | 5°M 2 | 19°449 | 9°443 | 9°443 | 8°R 9 | 9° 5 | 27°47 | 28°37 | W 2 |
| T 3 | 13 18 57 | 21°35'27 | 24°57 | 9°39 | 9°48 | 8°55 | 1°40 | 4°58 | 19°49 | 9°42 | 9°41 | 8° 8 | 9° 2 | 27°54 | 28°40 | T 3 |
| F 4 | 13 22 53 | 22°34'01 | 9°11 | 11°11 | 9°18 | 9°33 | 1°33 | 4°53 | 19°48 | 9°41 | 9°40 | 8° 6 | 8°59 | 28° 1 | 28°44 | F 4 |
| S 5 | 13 26 50 | 23°32'33 | 23°20 | 12°38 | 8°49 | 10°11 | 1°26 | 4°49 | 19°47 | 9°40 | 9°38 | 8° 4 | 8°56 | 28° 8 | 28°47 | S 5 |
| S 6 | 13 30 46 | 24°31'03 | 7°Y17 | 14° 0 | 8°23 | 10°50 | 1°19 | 4°45 | 19°46 | 9°39 | 9°37 | 8° 2 | 8°53 | 28°14 | 28°50 | S 6 |
| M 7 | 13 34 43 | 25°29'31 | 21° 1 | 15°18 | 7°59 | 11°28 | 1°13 | 4°40 | 19°45 | 9°38 | 9°35 | 8° 1 | 8°49 | 28°21 | 28°54 | M 7 |
| T 8 | 13 38 39 | 26°27'57 | 4°29 | 16°31 | 7°37 | 12° 7 | 1° 6 | 4°36 | 19°44 | 9°37 | 9°33 | 8°D 0 | 8°46 | 28°28 | 28°57 | T 8 |
| W 9 | 13 42 36 | 27°26'22 | 17°38 | 17°39 | 7°18 | 12°45 | 1° 0 | 4°31 | 19°42 | 9°36 | 9°32 | 8° 0 | 8°43 | 28°34 | 29° 0 | W 9 |
| T 10 | 13 46 33 | 28°24'44 | 0°12 | 18°42 | 7° 0 | 13°23 | 0°54 | 4°27 | 19°41 | 9°35 | 9°30 | 8° 1 | 8°40 | 28°41 | 29° 4 | T 10 |
| F 11 | 13 50 29 | 29°23'05 | 13° 2 | 19°40 | 6°45 | 14° 2 | 0°48 | 4°22 | 19°40 | 9°34 | 9°29 | 8° 2 | 8°37 | 28°48 | 29° 7 | F 11 |
| S 12 | 13 54 26 | 0°21'23 | 25°19 | 20°33 | 6°33 | 14°40 | 0°42 | 4°18 | 19°39 | 9°33 | 9°27 | 8° 3 | 8°33 | 28°55 | 29°10 | S 12 |
| S 13 | 13 58 22 | 1°19'40 | 7°25 | 21°21 | 6°23 | 15°18 | 0°36 | 4°13 | 19°37 | 9°31 | 9°26 | 8° 3 | 8°30 | 29° 1 | 29°14 | S 13 |
| M14 | 14 2 19 | 2°17'55 | 19°22 | 22° 3 | 6°15 | 15°57 | 0°30 | 4° 9 | 19°36 | 9°30 | 9°24 | 8° 4 | 8°27 | 29° 8 | 29°17 | M14 |
| T 15 | 14 6 15 | 3°16'07 | 1°16 | 22°40 | 6°10 | 16°35 | 0°25 | 4° 4 | 19°35 | 9°29 | 9°22 | 8°R 4 | 8°24 | 29°15 | 29°20 | T 15 |
| W16 | 14 10 12 | 4°14'18 | 13°10 | 23°11 | 6° 7 | 17°13 | 0°19 | 4° 0 | 19°33 | 9°28 | 9°21 | 8° 4 | 8°21 | 29°22 | 29°23 | W16 |
| T 17 | 14 14 8 | 5°12'26 | 25° 9 | 23°38 | 6°D 7 | 17°51 | 0°14 | 3°55 | 19°32 | 9°27 | 9°20 | 8° 4 | 8°18 | 29°28 | 29°26 | T 17 |
| F 18 | 14 18 5 | 6°10'32 | 7°18 | 23°58 | 6° 8 | 18°30 | 0° 9 | 3°51 | 19°30 | 9°25 | 9°18 | 8° 4 | 8°14 | 29°35 | 29°29 | F 18 |
| S 19 | 14 22 2 | 7° 8'37 | 19°40 | 24°14 | 6°13 | 19° 8 | 0° 4 | 3°46 | 19°29 | 9°24 | 9°17 | 8° 3 | 8°11 | 29°42 | 29°32 | S 19 |
| S 20 | 14 25 58 | 8° 6'39 | 2°19 | 24°24 | 6°19 | 19°46 | 29°159 | 3°42 | 19°27 | 9°23 | 9°15 | 8°D 3 | 8° 8 | 29°48 | 29°35 | S 20 |
| M21 | 14 29 55 | 9° 4'40 | 15°17 | 24°R29 | 6°28 | 20°24 | 29°54 | 3°37 | 19°25 | 9°21 | 9°14 | 8° 3 | 8° 5 | 29°55 | 29°38 | M21 |
| T 22 | 14 33 51 | 10° 2'39 | 28°34 | 24°28 | 6°38 | 21° 3 | 29°50 | 3°33 | 19°24 | 9°20 | 9°12 | 8° 3 | 8° 2 | 0°12 | 29°41 | T 22 |
| W23 | 14 37 48 | 11° 0'36 | 12°10 | 24°23 | 6°51 | 21°41 | 29°45 | 3°28 | 19°22 | 9°19 | 9°11 | 8°R 3 | 7°58 | 0° 9 | 29°44 | W23 |
| T 24 | 14 41 44 | 11°58'32 | 26° 3 | 24°13 | 7° 6 | 22°19 | 29°41 | 3°24 | 19°20 | 9°17 | 9°10 | 8° 3 | 7°55 | 0°15 | 29°47 | T 24 |
| F 25 | 14 45 41 | 12°56'26 | 10°19 | 23°58 | 7°23 | 22°57 | 29°37 | 3°19 | 19°18 | 9°16 | 9° 8 | 8° 3 | 7°52 | 0°22 | 29°50 | F 25 |
| S 26 | 14 49 37 | 13°54'19 | 24°25 | 23°40 | 7°42 | 23°35 | 29°33 | 3°15 | 19°17 | 9°14 | 9° 7 | 8° 2 | 7°49 | 0°29 | 29°53 | S 26 |
| S 27 | 14 53 34 | 14°52'11 | 8°347 | 23°17 | 8° 2 | 24°13 | 29°30 | 3°11 | 19°15 | 9°13 | 9° 6 | 8° 2 | 7°46 | 0°35 | 29°56 | S 27 |
| M28 | 14 57 31 | 15°50'01 | 23° 9 | 22°51 | 8°25 | 24°52 | 29°26 | 3° 6 | 19°13 | 9°12 | 9° 4 | 8° 1 | 7°43 | 0°42 | 29°59 | M28 |
| T 29 | 15 1 27 | 16°47'50 | 7°28 | 22°22 | 8°49 | 25°30 | 29°23 | 3° 2 | 19°11 | 9°10 | 9° 3 | 8° 1 | 7°39 | 0°49 | 0°Y 2 | T 29 |
| W30 | 15 5 24 | 17°45'38 | 21°41 | 21°51 | 9°Y15 | 26°11 | 29°19 | 2°158 | 19°19 | 9°19 | 9°19 | 8°D 0 | 7°36 | 0°156 | 0°Y 4 | W30 |

Delta T = 05m26s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1483
geocentric

MAY 1483 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|--------|--------|-------|-------|--------|-------|--------|-------|-------|-------|------|------|-------|------|
| T 1 | 15 9 20 | 18♂43'25 | 5♂46 | 21°R18 | 9°Y42 | 26♂46 | 29°R16 | 2°R53 | 19°R 7 | 9°R 7 | 9°R 1 | 8♂ 1 | 7♂33 | 1♂ 2 | 0°Y 7 | T 1 |
| F 2 | 15 13 17 | 19°41'11 | 19°40 | 20♂44 | 10°11 | 27°24 | 29♂13 | 2♂49 | 19♂ 5 | 9♂ 6 | 9♂ 0 | 8° 2 | 7°30 | 1° 9 | 0°10 | F 2 |
| S 3 | 15 17 13 | 20°38'55 | 3°Y23 | 20° 9 | 10°41 | 28° 2 | 29°11 | 2°45 | 19° 3 | 9° 4 | 8°58 | 8° 3 | 7°27 | 1°16 | 0°12 | S 3 |
| S 4 | 15 21 10 | 21°36'38 | 16°53 | 19°35 | 11°13 | 28°40 | 29° 8 | 2°41 | 19° 1 | 9° 3 | 8°57 | 8° 4 | 7°24 | 1°23 | 0°15 | S 4 |
| M 5 | 15 25 6 | 22°34'21 | 0♂11 | 19° 0 | 11°47 | 29°18 | 29° 6 | 2°37 | 18°59 | 9° 1 | 8°56 | 8° 4 | 7°20 | 1°29 | 0°17 | M 5 |
| T 6 | 15 29 3 | 23°32'01 | 13°16 | 18°27 | 12°21 | 29°56 | 29° 4 | 2°33 | 18°57 | 9° 0 | 8°55 | 8°R 4 | 7°17 | 1°36 | 0°20 | T 6 |
| W 7 | 15 33 0 | 24°29'41 | 26° 7 | 17°56 | 12°57 | 0♂34 | 29° 2 | 2°29 | 18°55 | 8°58 | 8°54 | 8° 4 | 7°14 | 1°43 | 0°22 | W 7 |
| T 8 | 15 36 56 | 25°27'20 | 8♂44 | 17°27 | 13°34 | 1°12 | 29° 0 | 2°25 | 18°52 | 8°57 | 8°53 | 8° 2 | 7°11 | 1°49 | 0°25 | T 8 |
| F 9 | 15 40 53 | 26°24'57 | 21° 8 | 17° 1 | 14°12 | 1°50 | 28°58 | 2°21 | 18°50 | 8°55 | 8°52 | 8° 0 | 7° 8 | 1°56 | 0°27 | F 9 |
| S 10 | 15 44 49 | 27°22'33 | 3♂21 | 16°38 | 14°51 | 2°29 | 28°57 | 2°17 | 18°48 | 8°53 | 8°51 | 7°57 | 7° 4 | 2° 3 | 0°29 | S 10 |
| S 11 | 15 48 46 | 28°20'08 | 15°25 | 16°18 | 15°31 | 3° 7 | 28°55 | 2°13 | 18°46 | 8°52 | 8°50 | 7°54 | 7° 1 | 2°10 | 0°32 | S 11 |
| M12 | 15 52 42 | 29°17'41 | 27°21 | 16° 2 | 16°13 | 3°45 | 28°54 | 2° 9 | 18°44 | 8°50 | 8°49 | 7°51 | 6°58 | 2°16 | 0°34 | M12 |
| T 13 | 15 56 39 | 0♂15'13 | 9♂14 | 15°50 | 16°55 | 4°23 | 28°53 | 2° 5 | 18°41 | 8°49 | 8°48 | 7°48 | 6°55 | 2°23 | 0°36 | T 13 |
| W14 | 16 0 35 | 1°12'43 | 21° 7 | 15°42 | 17°38 | 5° 1 | 28°53 | 2° 2 | 18°39 | 8°47 | 8°47 | 7°47 | 6°52 | 2°30 | 0°38 | W14 |
| T 15 | 16 4 32 | 2°10'12 | 3♂ 5 | 15°D38 | 18°22 | 5°39 | 28°52 | 1°58 | 18°37 | 8°45 | 8°47 | 7°D46 | 6°49 | 2°37 | 0°41 | T 15 |
| F 16 | 16 8 29 | 3° 7'40 | 15°13 | 15°39 | 19° 8 | 6°17 | 28°52 | 1°55 | 18°34 | 8°44 | 8°46 | 7°47 | 6°45 | 2°43 | 0°43 | F 16 |
| S 17 | 16 12 25 | 4° 5'07 | 27°35 | 15°45 | 19°53 | 6°55 | 28°52 | 1°51 | 18°32 | 8°42 | 8°45 | 7°48 | 6°42 | 2°50 | 0°45 | S 17 |
| S 18 | 16 16 22 | 5° 2'32 | 10♂15 | 15°55 | 20°40 | 7°33 | 28°D52 | 1°48 | 18°30 | 8°41 | 8°44 | 7°50 | 6°39 | 2°57 | 0°47 | S 18 |
| M19 | 16 20 18 | 5°59'56 | 23°17 | 16° 9 | 21°28 | 8°11 | 28°52 | 1°44 | 18°27 | 8°39 | 8°44 | 7°51 | 6°36 | 3° 3 | 0°49 | M19 |
| T 20 | 16 24 15 | 6°57'19 | 6♂43 | 16°28 | 22°16 | 8°48 | 28°52 | 1°41 | 18°25 | 8°37 | 8°43 | 7°R52 | 6°33 | 3°10 | 0°51 | T 20 |
| W21 | 16 28 11 | 7°54'41 | 20°33 | 16°51 | 23° 5 | 9°26 | 28°53 | 1°38 | 18°23 | 8°36 | 8°42 | 7°51 | 6°30 | 3°17 | 0°52 | W21 |
| T 22 | 16 32 8 | 8°52'02 | 4♂46 | 17°19 | 23°55 | 10° 4 | 28°53 | 1°35 | 18°20 | 8°34 | 8°42 | 7°49 | 6°26 | 3°24 | 0°54 | T 22 |
| F 23 | 16 36 4 | 9°49'22 | 19°17 | 17°50 | 24°45 | 10°42 | 28°54 | 1°32 | 18°18 | 8°32 | 8°41 | 7°46 | 6°23 | 3°30 | 0°56 | F 23 |
| S 24 | 16 40 1 | 10°46'42 | 4♂ 1 | 18°26 | 25°36 | 11°20 | 28°55 | 1°29 | 18°15 | 8°31 | 8°40 | 7°42 | 6°20 | 3°37 | 0°58 | S 24 |
| S 25 | 16 43 58 | 11°44'01 | 18°49 | 19° 7 | 26°28 | 11°58 | 28°57 | 1°26 | 18°13 | 8°29 | 8°40 | 7°37 | 6°17 | 3°44 | 1° 0 | S 25 |
| M26 | 16 47 54 | 12°41'19 | 3♂34 | 19°51 | 27°20 | 12°36 | 28°58 | 1°23 | 18°11 | 8°28 | 8°39 | 7°32 | 6°14 | 3°50 | 1° 1 | M26 |
| T 27 | 16 51 51 | 13°38'37 | 18°10 | 20°39 | 28°13 | 13°14 | 29° 0 | 1°20 | 18° 8 | 8°26 | 8°39 | 7°29 | 6°10 | 3°57 | 1° 3 | T 27 |
| W28 | 16 55 47 | 14°35'54 | 2♂30 | 21°31 | 29° 6 | 13°52 | 29° 1 | 1°18 | 18° 6 | 8°24 | 8°38 | 7°27 | 6° 7 | 4° 4 | 1° 4 | W28 |
| T 29 | 16 59 44 | 15°33'11 | 16°33 | 22°26 | 0♂ 0 | 14°30 | 29° 3 | 1°15 | 18° 3 | 8°23 | 8°38 | 7°D26 | 6° 4 | 4°11 | 1° 6 | T 29 |
| F 30 | 17 3 40 | 16°30'28 | 0°Y18 | 23°26 | 0°55 | 15° 8 | 29° 5 | 1°12 | 18° 1 | 8°21 | 8°38 | 7°27 | 6° 1 | 4°17 | 1° 7 | F 30 |
| S 31 | 17 7 37 | 17♂27'44 | 13°Y45 | 24♂29 | 1♂50 | 15♂46 | 29♂ 8 | 1♂10 | 17♂58 | 8♂20 | 8♂37 | 7♂28 | 5♂58 | 4♂24 | 1°Y 9 | S 31 |

Delta T = 05m26s

Julian Calendar 1 May 1483 == Greg. Calendar 10 May 1483

JUNE 1483 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|------|------|-------|------|
| S 1 | 17 11 34 | 18♂25'00 | 26°Y56 | 25♂35 | 2♂45 | 16♂24 | 29♂10 | 1°R 8 | 17°R56 | 8°R18 | 8°R37 | 7♂29 | 5♂55 | 4♂31 | 1°Y10 | S 1 |
| M 2 | 17 15 30 | 19°22'15 | 9♂52 | 26°46 | 3°41 | 17° 1 | 29°13 | 1♂ 5 | 17♂53 | 8♂16 | 8♂37 | 7°R30 | 5°51 | 4°38 | 1°11 | M 2 |
| T 3 | 17 19 27 | 20°19'31 | 22°36 | 27°59 | 4°38 | 17°39 | 29°16 | 1° 3 | 17°51 | 8°15 | 8°36 | 7°29 | 5°48 | 4°44 | 1°13 | T 3 |
| W 4 | 17 23 23 | 21°16'46 | 5♂ 8 | 29°16 | 5°35 | 18°17 | 29°19 | 1° 1 | 17°48 | 8°13 | 8°36 | 7°26 | 5°45 | 4°51 | 1°14 | W 4 |
| T 5 | 17 27 20 | 22°14'01 | 17°30 | 0♂37 | 6°32 | 18°55 | 29°22 | 0°59 | 17°46 | 8°12 | 8°36 | 7°20 | 5°42 | 4°58 | 1°15 | T 5 |
| F 6 | 17 31 16 | 23°11'15 | 29°43 | 2° 0 | 7°30 | 19°33 | 29°25 | 0°57 | 17°44 | 8°10 | 8°36 | 7°13 | 5°39 | 5° 4 | 1°16 | F 6 |
| S 7 | 17 35 13 | 24° 8'29 | 11♂48 | 3°27 | 8°28 | 20°11 | 29°28 | 0°55 | 17°41 | 8° 9 | 8°36 | 7° 5 | 5°36 | 5°11 | 1°17 | S 7 |
| S 8 | 17 39 9 | 25° 5'43 | 23°47 | 4°58 | 9°26 | 20°49 | 29°32 | 0°54 | 17°39 | 8° 7 | 8°36 | 6°56 | 5°32 | 5°18 | 1°18 | S 8 |
| M 9 | 17 43 6 | 26° 2'56 | 5♂41 | 6°31 | 10°25 | 21°27 | 29°36 | 0°52 | 17°36 | 8° 6 | 8°36 | 6°47 | 5°29 | 5°25 | 1°19 | M 9 |
| T 10 | 17 47 3 | 27° 0'09 | 17°32 | 8° 8 | 11°24 | 22° 5 | 29°40 | 0°50 | 17°34 | 8° 4 | 8°D36 | 6°40 | 5°26 | 5°31 | 1°20 | T 10 |
| W11 | 17 50 59 | 27°57'21 | 29°24 | 9°48 | 12°24 | 22°42 | 29°44 | 0°49 | 17°32 | 8° 3 | 8°36 | 6°34 | 5°23 | 5°38 | 1°21 | W11 |
| T 12 | 17 54 56 | 28°54'33 | 11♂21 | 11°31 | 13°24 | 23°20 | 29°48 | 0°48 | 17°29 | 8° 1 | 8°36 | 6°30 | 5°20 | 5°45 | 1°21 | T 12 |
| F 13 | 17 58 52 | 29°51'44 | 23°26 | 13°17 | 14°24 | 23°58 | 29°53 | 0°46 | 17°27 | 8° 0 | 8°36 | 6°29 | 5°16 | 5°52 | 1°22 | F 13 |
| S 14 | 18 2 49 | 0♂48'55 | 5♂45 | 15° 6 | 15°24 | 24°36 | 29°57 | 0°45 | 17°24 | 7°58 | 8°36 | 6°D28 | 5°13 | 5°58 | 1°23 | S 14 |
| S 15 | 18 6 45 | 1°46'06 | 18°22 | 16°57 | 16°25 | 25°14 | 0♂ 2 | 0°44 | 17°22 | 7°57 | 8°36 | 6°29 | 5°10 | 6° 5 | 1°23 | S 15 |
| M16 | 18 10 42 | 2°43'16 | 1♂21 | 18°52 | 17°26 | 25°52 | 0° 7 | 0°43 | 17°20 | 7°55 | 8°36 | 6°R30 | 5° 7 | 6°12 | 1°24 | M16 |
| T 17 | 18 14 38 | 3°40'26 | 14°47 | 20°49 | 18°28 | 26°30 | 0°12 | 0°42 | 17°17 | 7°54 | 8°36 | 6°30 | 5° 4 | 6°18 | 1°24 | T 17 |
| W18 | 18 18 35 | 4°37'36 | 28°42 | 22°48 | 19°29 | 27° 7 | 0°17 | 0°41 | 17°15 | 7°52 | 8°37 | 6°28 | 5° 1 | 6°25 | 1°25 | W18 |
| T 19 | 18 22 32 | 5°34'45 | 13♂ 3 | 24°50 | 20°31 | 27°45 | 0°23 | 0°41 | 17°13 | 7°51 | 8°37 | 6°24 | 4°57 | 6°32 | 1°25 | T 19 |
| F 20 | 18 26 28 | 6°31'55 | 27°49 | 26°54 | 21°34 | 28°23 | 0°28 | 0°40 | 17°11 | 7°50 | 8°37 | 6°17 | 4°54 | 6°39 | 1°26 | F 20 |
| S 21 | 18 30 25 | 7°29'05 | 12♂52 | 28°59 | 22°36 | 29° 1 | 0°34 | 0°39 | 17° 8 | 7°48 | 8°38 | 6° 9 | 4°51 | 6°45 | 1°26 | S 21 |
| S 22 | 18 34 21 | 8°26'14 | 28° 2 | 1♂ 5 | 23°39 | 29°39 | 0°40 | 0°39 | 17° 6 | 7°47 | 8°38 | 6° 0 | 4°48 | 6°52 | 1°26 | S 22 |
| M23 | 18 38 18 | 9°23'24 | 13♂ 9 | 3°13 | 24°42 | 0♂17 | 0°46 | 0°39 | 17° 4 | 7°46 | 8°38 | 5°51 | 4°45 | 6°59 | 1°26 | M23 |
| T 24 | 18 42 14 | 10°20'35 | 28° 4 | 5°22 | 25°45 | 0°55 | 0°52 | 0°39 | 17° 2 | 7°44 | 8°39 | 5°44 | 4°42 | 7° 6 | 1°27 | T 24 |
| W25 | 18 46 11 | 11°17'45 | 12♂38 | 7°31 | 26°49 | 1°32 | 0°58 | 0°38 | 16°59 | 7°43 | 8°39 | 5°39 | 4°38 | 7°12 | 1°27 | W25 |
| T 26 | 18 50 8 | 12°14'57 | 26°49 | 9°40 | 27°52 | 2°10 | 1° 4 | 0°D38 | 16°57 | 7°42 | 8°40 | 5°36 | 4°35 | 7°19 | 1°R27 | T 26 |
| F 27 | 18 54 4 | 13°12'08 | 10°Y35 | 11°50 | 28°56 | 2°48 | 1°11 | 0°38 | 16°55 | 7°40 | 8°40 | 5°D35 | 4°32 | 7°26 | 1°27 | F 27 |
| S 28 | 18 58 1 | 14° 9'21 | 23°56 | 13°59 | 0♂ 0 | 3°26 | 1°17 | 0°39 | 16°53 | 7°39 | 8°41 | 5°35 | 4°29 | 7°32 | 1°27 | S 28 |
| S 29 | 19 1 57 | 15° 6'34 | 6♂57 | 16° 7 | 1° 5 | 4° 4 | 1°24 | 0°39 | 16°51 | 7°38 | 8°42 | 5°R35 | 4°26 | 7°39 | 1°26 | S 29 |
| M30 | 19 5 54 | 16♂ 3'48 | 19♂41 | 18♂15 | 2♂ 9 | 4♂42 | 1♂31 | 0♂39 | 16♂49 | 7♂37 | 8♂42 | 5♂35 | 4♂22 | 7♂46 | 1°Y26 | M30 |

Delta T = 05m26s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1483

geocentric

JULY 1483 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|--------|--------|--------|--------|-------|-------|--------|-------|-------|-------|-------|--------|-------|------|
| T 1 | 19 9 50 | 17°58'17" | 21°10' | 20°22' | 3°11' | 5°12' | 1°43' | 0°40' | 16°47' | 7°36' | 8°43' | 5°32' | 4°19' | 7°53' | 1°26' | T 1 |
| W 2 | 19 13 47 | 17°58'17" | 14°28' | 22°27' | 4°19' | 5°58' | 1°45' | 0°40' | 16°45' | 7°34' | 8°44' | 5°26' | 4°16' | 7°59' | 1°26' | W 2 |
| T 3 | 19 17 43 | 18°55'33" | 26°37' | 24°32' | 5°24' | 6°36' | 1°53' | 0°41' | 16°43' | 7°33' | 8°44' | 5°18' | 4°13' | 8°6' | 1°25' | T 3 |
| F 4 | 19 21 40 | 19°52'49" | 26°35' | 26°35' | 6°30' | 7°13' | 2°0' | 0°42' | 16°41' | 7°32' | 8°45' | 5°7' | 4°10' | 8°13' | 1°25' | F 4 |
| S 5 | 19 25 37 | 20°50'06" | 20°38' | 28°36' | 7°35' | 7°51' | 2°8' | 0°43' | 16°39' | 7°31' | 8°46' | 4°55' | 4°7' | 8°19' | 1°25' | S 5 |
| S 6 | 19 29 33 | 21°47'24" | 20°32' | 0°36' | 8°41' | 8°29' | 2°15' | 0°43' | 16°37' | 7°30' | 8°47' | 4°41' | 4°3' | 8°26' | 1°24' | S 6 |
| M 7 | 19 33 30 | 22°44'42" | 14°24' | 2°34' | 9°47' | 9°7' | 2°23' | 0°44' | 16°36' | 7°29' | 8°48' | 4°28' | 4°0' | 8°33' | 1°23' | M 7 |
| T 8 | 19 37 26 | 23°42'00" | 26°15' | 4°31' | 10°53' | 9°45' | 2°31' | 0°46' | 16°34' | 7°28' | 8°49' | 4°16' | 3°57' | 8°40' | 1°23' | T 8 |
| W 9 | 19 41 23 | 24°39'19" | 8°11' | 6°26' | 11°59' | 10°23' | 2°39' | 0°47' | 16°32' | 7°27' | 8°50' | 4°7' | 3°54' | 8°46' | 1°22' | W 9 |
| T 10 | 19 45 19 | 25°36'39" | 20°5' | 8°19' | 13°6' | 11°1' | 2°47' | 0°48' | 16°30' | 7°26' | 8°51' | 4°0' | 3°51' | 8°53' | 1°21' | T 10 |
| F 11 | 19 49 16 | 26°33'59" | 20°10' | 10°11' | 14°12' | 11°39' | 2°55' | 0°50' | 16°29' | 7°25' | 8°52' | 3°56' | 3°48' | 9°0' | 1°21' | F 11 |
| S 12 | 19 53 12 | 27°31'19" | 14°27' | 12°1' | 15°19' | 12°17' | 3°4' | 0°51' | 16°27' | 7°24' | 8°53' | 3°54' | 3°44' | 9°7' | 1°20' | S 12 |
| S 13 | 19 57 9 | 28°28'40" | 27°0' | 13°49' | 16°26' | 12°55' | 3°12' | 0°53' | 16°25' | 7°23' | 8°54' | 3°53' | 3°41' | 9°13' | 1°19' | S 13 |
| M14 | 20 1 6 | 29°26'02" | 9°11' | 15°36' | 17°33' | 13°33' | 3°21' | 0°54' | 16°24' | 7°23' | 8°55' | 3°53' | 3°38' | 9°20' | 1°18' | M14 |
| T 15 | 20 5 2 | 0°23'24" | 23°16' | 17°21' | 18°40' | 14°11' | 3°30' | 0°56' | 16°22' | 7°22' | 8°56' | 3°52' | 3°35' | 9°27' | 1°17' | T 15 |
| W16 | 20 8 59 | 1°20'47" | 7°5' | 19°4' | 19°47' | 14°49' | 3°38' | 0°58' | 16°21' | 7°21' | 8°57' | 3°50' | 3°32' | 9°33' | 1°16' | W16 |
| T 17 | 20 12 55 | 2°18'11" | 21°24' | 20°46' | 20°54' | 15°27' | 3°47' | 1°0' | 16°19' | 7°20' | 8°58' | 3°45' | 3°28' | 9°40' | 1°15' | T 17 |
| F 18 | 20 16 52 | 3°15'35" | 6°31' | 22°26' | 22°2' | 16°5' | 3°56' | 1°2' | 16°18' | 7°19' | 9°0' | 3°37' | 3°25' | 9°47' | 1°14' | F 18 |
| S 19 | 20 20 48 | 4°13'00" | 21°17' | 24°4' | 23°10' | 16°43' | 4°6' | 1°4' | 16°16' | 7°19' | 9°1' | 3°27' | 3°22' | 9°54' | 1°13' | S 19 |
| S 20 | 20 24 45 | 5°10'26" | 6°36' | 25°41' | 24°17' | 17°20' | 4°15' | 1°7' | 16°15' | 7°18' | 9°2' | 3°17' | 3°19' | 10°0' | 1°11' | S 20 |
| M21 | 20 28 41 | 6°7'53" | 21°55' | 27°16' | 25°25' | 17°58' | 4°24' | 1°9' | 16°14' | 7°17' | 9°3' | 3°6' | 3°16' | 10°7' | 1°10' | M21 |
| T 22 | 20 32 38 | 7°5'21" | 7°3' | 28°49' | 26°34' | 18°36' | 4°34' | 1°12' | 16°13' | 7°17' | 9°5' | 2°57' | 3°13' | 10°14' | 1°9' | T 22 |
| W23 | 20 36 35 | 8°2'50" | 21°51' | 0°11' | 27°42' | 19°14' | 4°43' | 1°14' | 16°11' | 7°16' | 9°6' | 2°50' | 3°9' | 10°21' | 1°8' | W23 |
| T 24 | 20 40 31 | 9°0'21" | 6°13' | 1°51' | 28°50' | 19°53' | 4°53' | 1°17' | 16°10' | 7°16' | 9°7' | 2°46' | 3°6' | 10°27' | 1°6' | T 24 |
| F 25 | 20 44 28 | 9°57'53" | 20°6' | 3°19' | 29°59' | 20°31' | 5°2' | 1°19' | 16°9' | 7°15' | 9°9' | 2°44' | 3°3' | 10°34' | 1°5' | F 25 |
| S 26 | 20 48 24 | 10°55'26" | 3°32' | 4°46' | 1°57' | 21°9' | 5°12' | 1°22' | 16°8' | 7°15' | 9°10' | 2°44' | 3°0' | 10°41' | 1°3' | S 26 |
| S 27 | 20 52 21 | 11°53'01" | 16°32' | 6°11' | 2°16' | 21°47' | 5°22' | 1°25' | 16°7' | 7°14' | 9°12' | 2°44' | 2°57' | 10°47' | 1°2' | S 27 |
| M28 | 20 56 17 | 12°50'38" | 29°11' | 7°34' | 3°25' | 22°25' | 5°32' | 1°28' | 16°6' | 7°14' | 9°13' | 2°43' | 2°54' | 10°54' | 1°0' | M28 |
| T 29 | 21 0 14 | 13°48'16" | 11°11' | 8°55' | 4°34' | 23°3' | 5°42' | 1°31' | 16°5' | 7°13' | 9°15' | 2°40' | 2°50' | 11°1' | 0°58' | T 29 |
| W30 | 21 4 10 | 14°45'56" | 23°44' | 10°15' | 5°43' | 23°41' | 5°53' | 1°34' | 16°4' | 7°13' | 9°16' | 2°35' | 2°47' | 11°8' | 0°57' | W30 |
| T 31 | 21 8 7 | 15°43'37" | 5°46' | 11°13' | 6°52' | 24°19' | 6°3' | 1°38' | 16°3' | 7°13' | 9°18' | 2°27' | 2°44' | 11°14' | 0°55' | T 31 |

Delta T = 05m26s

Julian Calendar 1 July 1483 == Greg. Calendar 10 July 1483

AUGUST 1483 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|--------|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|--------|--------|------|
| F 1 | 21 12 4 | 16°41'19" | 17°42' | 12°49' | 8°2' | 24°57' | 6°13' | 1°41' | 16°R 2 | 7°R12 | 9°20' | 2°R17 | 2°41' | 11°21' | 0°R53 | F 1 |
| S 2 | 21 16 0 | 17°39'04" | 29°35' | 14°3' | 9°11' | 25°35' | 6°24' | 1°44' | 16°R 2 | 7°R12 | 9°21' | 2°R 4 | 2°38' | 11°28' | 0°Y51 | S 2 |
| S 3 | 21 19 57 | 18°36'49" | 11°27' | 15°15' | 10°21' | 26°13' | 6°34' | 1°48' | 16°1' | 7°12' | 9°23' | 1°51' | 2°34' | 11°34' | 0°49' | S 3 |
| M 4 | 21 23 53 | 19°34'36" | 23°19' | 16°25' | 11°31' | 26°51' | 6°45' | 1°51' | 16°0' | 7°11' | 9°25' | 1°38' | 2°31' | 11°41' | 0°48' | M 4 |
| T 5 | 21 27 50 | 20°32'24" | 5°13' | 17°33' | 12°40' | 27°30' | 6°55' | 1°55' | 16°0' | 7°11' | 9°26' | 1°26' | 2°28' | 11°48' | 0°46' | T 5 |
| W 6 | 21 31 46 | 21°30'14" | 17°11' | 18°39' | 13°50' | 28°8' | 7°6' | 1°59' | 15°59' | 7°11' | 9°28' | 1°16' | 2°25' | 11°55' | 0°44' | W 6 |
| T 7 | 21 35 43 | 22°28'05" | 29°13' | 19°42' | 15°0' | 28°46' | 7°17' | 2°3' | 15°59' | 7°11' | 9°30' | 1°9' | 2°22' | 12°1' | 0°42' | T 7 |
| F 8 | 21 39 39 | 23°25'57" | 11°23' | 20°42' | 16°10' | 29°24' | 7°28' | 2°7' | 15°58' | 7°11' | 9°32' | 1°5' | 2°19' | 12°8' | 0°40' | F 8 |
| S 9 | 21 43 36 | 24°23'51" | 23°44' | 21°40' | 17°21' | 0°11' | 7°39' | 2°11' | 15°58' | 7°11' | 9°33' | 1°3' | 2°15' | 12°15' | 0°37' | S 9 |
| S 10 | 21 47 33 | 25°21'46" | 6°19' | 22°36' | 18°31' | 0°41' | 7°50' | 2°15' | 15°57' | 7°11' | 9°35' | 1°D 3 | 2°12' | 12°22' | 0°35' | S 10 |
| M11 | 21 51 29 | 26°19'42" | 19°13' | 23°28' | 19°41' | 1°19' | 8°1' | 2°19' | 15°57' | 7°D11 | 9°37' | 1°4' | 2°9' | 12°28' | 0°33' | M11 |
| T 12 | 21 55 26 | 27°17'40" | 2°19' | 24°17' | 20°52' | 1°57' | 8°12' | 2°23' | 15°57' | 7°11' | 9°39' | 1°R 4 | 2°6' | 12°35' | 0°31' | T 12 |
| W13 | 21 59 22 | 28°15'39" | 16°10' | 25°3' | 22°3' | 2°35' | 8°24' | 2°27' | 15°57' | 7°11' | 9°41' | 1°2' | 2°3' | 12°42' | 0°29' | W13 |
| T 14 | 22 3 19 | 29°13'39" | 0°19' | 25°46' | 23°13' | 3°14' | 8°35' | 2°32' | 15°56' | 7°11' | 9°43' | 0°59' | 2°0' | 12°48' | 0°26' | T 14 |
| F 15 | 22 7 15 | 0°11'41" | 14°53' | 26°24' | 24°24' | 3°52' | 8°46' | 2°36' | 15°56' | 7°11' | 9°45' | 0°53' | 1°56' | 12°55' | 0°24' | F 15 |
| S 16 | 22 11 12 | 1°9'44" | 29°50' | 26°59' | 25°35' | 4°30' | 8°58' | 2°41' | 15°56' | 7°11' | 9°47' | 0°46' | 1°53' | 13°2' | 0°22' | S 16 |
| S 17 | 22 15 8 | 2°7'49" | 15°0' | 27°29' | 26°46' | 5°8' | 9°9' | 2°45' | 15°D56 | 7°11' | 9°49' | 0°37' | 1°50' | 13°9' | 0°19' | S 17 |
| M18 | 22 19 5 | 3°5'55" | 0°16' | 27°55' | 27°57' | 5°47' | 9°21' | 2°50' | 15°56' | 7°12' | 9°50' | 0°28' | 1°47' | 13°15' | 0°17' | M18 |
| T 19 | 22 23 2 | 4°4'03" | 15°25' | 28°16' | 29°8' | 6°25' | 9°33' | 2°55' | 15°56' | 7°12' | 9°53' | 0°21' | 1°44' | 13°22' | 0°15' | T 19 |
| W20 | 22 26 58 | 5°2'12" | 0°17' | 28°32' | 0°19' | 7°3' | 9°44' | 2°59' | 15°57' | 7°12' | 9°55' | 0°16' | 1°40' | 13°29' | 0°12' | W20 |
| T 21 | 22 30 55 | 6°0'24" | 14°46' | 28°43' | 1°31' | 7°42' | 9°56' | 3°4' | 15°57' | 7°12' | 9°57' | 0°12' | 1°37' | 13°35' | 0°10' | T 21 |
| F 22 | 22 34 51 | 6°58'37" | 28°46' | 28°R48 | 2°42' | 8°20' | 10°8' | 3°9' | 15°57' | 7°13' | 9°59' | 0°D11 | 1°34' | 13°42' | 0°7' | F 22 |
| S 23 | 22 38 48 | 7°56'53" | 12°19' | 28°47' | 3°54' | 8°59' | 10°20' | 3°14' | 15°57' | 7°13' | 10°1' | 0°12' | 1°31' | 13°49' | 0°5' | S 23 |
| S 24 | 22 42 44 | 8°55'11" | 25°24' | 28°39' | 5°5' | 9°37' | 10°32' | 3°19' | 15°58' | 7°14' | 10°3' | 0°13' | 1°28' | 13°56' | 0°2' | S 24 |
| M25 | 22 46 41 | 9°53'31" | 8°11' | 28°26' | 6°17' | 10°15' | 10°44' | 3°24' | 15°58' | 7°14' | 10°5' | 0°R14 | 1°25' | 14°2' | 29°Y59 | M25 |
| T 26 | 22 50 37 | 10°51'53" | 20°30' | 28°5' | 7°29' | 10°54' | 10°56' | 3°29' | 15°58' | 7°15' | 10°7' | 0°13' | 1°21' | 14°9' | 29°57' | T 26 |
| W27 | 22 54 34 | 11°50'17" | 2°39' | 27°38' | 8°41' | 11°32' | 11°8' | 3°35' | 15°59' | 7°15' | 10°9' | 0°11' | 1°18' | 14°16' | 29°54' | W27 |
| T 28 | 22 58 31 | 12°48'43" | 14°38' | 27°4' | 9°53' | 12°11' | 11°20' | 3°40' | 16°0' | 7°16' | 10°11' | 0°6' | 1°15' | 14°22' | 29°52' | T 28 |
| F 29 | 23 2 27 | 13°47'12" | 26°32' | 26°24' | 11°5' | 12°49' | 11°32' | 3°45' | 16°0' | 7°16' | 10°14' | 0°0' | 1°12' | 14°29' | 29°49' | F 29 |
| S 30 | 23 6 24 | 14°45'42" | 8°23' | 25°38' | 12°17' | 13°28' | 11°45' | 3°51' | 16°1' | 7°17' | 10°16' | 29°Y52 | 1°9' | 14°36' | 29°46' | S 30 |
| S 31 | 23 10 20 | 15°44'14" | 20°15' | 24°46' | 13°29' | 14°11' | 11°57' | 3°56' | 16°R 1 | 7°R18 | 10°18' | 29°Y44 | 1°R 6 | 14°43' | 29°Y44 | S 31 |

Delta T = 05m25s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1483

geocentric

SEPTEMBER 1483 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|------------------------|---------------------|---------------------|---------------------|---------------------|--------------------|-------------------|--------------------|--------------------|---------------------|--------|-------------------|---------------------|--------|------|
| M 1 | 23 14 17 | 16 ¹¹ 42'49 | 2 ¹¹ 10 | 23°R50 | 14 ¹¹ 41 | 14 ¹¹ 45 | 12 ¹¹ 9 | 4 ¹¹ 2 | 16 ¹¹ 2 | 7 ¹¹ 18 | 10 ¹¹ 20 | 29°R36 | 1 ¹¹ 2 | 14 ¹¹ 49 | 29°R41 | M 1 |
| T 2 | 23 18 13 | 17°41'25 | 14°10 | 22 ¹¹ 49 | 15°54 | 15°24 | 12°22 | 4°7 | 16°3 | 7°19 | 10°22 | 29°Y28 | 0°59 | 14°56 | 29°Y38 | T 2 |
| W 3 | 23 22 10 | 18°40'04 | 26°16 | 21°46 | 17°6 | 16°2 | 12°34 | 4°13 | 16°4 | 7°20 | 10°25 | 29°22 | 0°56 | 15°3 | 29°36 | W 3 |
| T 4 | 23 26 6 | 19°38'44 | 8 ¹¹ 29 | 20°42 | 18°19 | 16°41 | 12°46 | 4°19 | 16°5 | 7°20 | 10°27 | 29°18 | 0°53 | 15°10 | 29°33 | T 4 |
| F 5 | 23 30 3 | 20°37'27 | 20°52 | 19°38 | 19°31 | 17°20 | 12°59 | 4°25 | 16°6 | 7°21 | 10°29 | 29°16 | 0°50 | 15°16 | 29°30 | F 5 |
| S 6 | 23 33 59 | 21°36'11 | 3 ¹¹ 25 | 18°36 | 20°44 | 17°58 | 13°12 | 4°30 | 16°7 | 7°22 | 10°31 | 29°D16 | 0°46 | 15°23 | 29°27 | S 6 |
| S 7 | 23 37 56 | 22°34'57 | 16°11 | 17°37 | 21°57 | 18°37 | 13°24 | 4°36 | 16°8 | 7°23 | 10°34 | 29°17 | 0°43 | 15°30 | 29°24 | S 7 |
| M 8 | 23 41 53 | 23°33'44 | 29°12 | 16°43 | 23°10 | 19°16 | 13°37 | 4°42 | 16°9 | 7°24 | 10°36 | 29°18 | 0°40 | 15°36 | 29°22 | M 8 |
| T 9 | 23 45 49 | 24°32'34 | 12 ¹¹ 30 | 15°56 | 24°22 | 19°54 | 13°49 | 4°48 | 16°10 | 7°25 | 10°38 | 29°20 | 0°37 | 15°43 | 29°19 | T 9 |
| W10 | 23 49 46 | 25°31'26 | 26°8 | 15°16 | 25°35 | 20°33 | 14°2 | 4°54 | 16°11 | 7°26 | 10°41 | 29°R20 | 0°34 | 15°50 | 29°16 | W10 |
| T 11 | 23 53 42 | 26°30'19 | 10 ¹¹ 3 | 14°44 | 26°48 | 21°12 | 14°15 | 5°0 | 16°13 | 7°27 | 10°43 | 29°19 | 0°31 | 15°57 | 29°13 | T 11 |
| F 12 | 23 57 39 | 27°29'14 | 24°26 | 14°23 | 28°1 | 21°51 | 14°27 | 5°6 | 16°14 | 7°28 | 10°45 | 29°17 | 0°27 | 16°3 | 29°11 | F 12 |
| S 13 | 0 1 35 | 28°28'10 | 9 ¹¹ 3 | 14°11 | 29°15 | 22°29 | 14°40 | 5°13 | 16°15 | 7°29 | 10°48 | 29°14 | 0°24 | 16°10 | 29°8 | S 13 |
| S 14 | 0 5 32 | 29°27'08 | 23°53 | 14°D10 | 0 ¹¹ 28 | 23°8 | 14°53 | 5°19 | 16°17 | 7°30 | 10°50 | 29°10 | 0°21 | 16°17 | 29°5 | S 14 |
| M15 | 0 9 29 | 0 ¹¹ 26'08 | 8 ¹¹ 48 | 14°19 | 1°41 | 23°47 | 15°6 | 5°25 | 16°18 | 7°31 | 10°52 | 29°5 | 0°18 | 16°23 | 29°2 | M15 |
| T 16 | 0 13 25 | 1°25'10 | 23°41 | 14°38 | 2°54 | 24°26 | 15°19 | 5°31 | 16°20 | 7°32 | 10°55 | 29°2 | 0°15 | 16°30 | 28°59 | T 16 |
| W17 | 0 17 22 | 2°24'14 | 8 ¹¹ Y23 | 15°7 | 4°8 | 25°5 | 15°32 | 5°38 | 16°21 | 7°33 | 10°57 | 28°59 | 0°11 | 16°37 | 28°57 | W17 |
| T 18 | 0 21 18 | 3°23'20 | 22°47 | 15°45 | 5°21 | 25°44 | 15°44 | 5°44 | 16°23 | 7°35 | 10°59 | 28°D58 | 0°8 | 16°44 | 28°54 | T 18 |
| F 19 | 0 25 15 | 4°22'29 | 6 ¹¹ 49 | 16°32 | 6°35 | 26°22 | 15°57 | 5°50 | 16°24 | 7°36 | 11°2 | 28°58 | 0°5 | 16°50 | 28°51 | F 19 |
| S 20 | 0 29 11 | 5°21'39 | 20°24 | 17°27 | 7°48 | 27°1 | 16°10 | 5°57 | 16°26 | 7°37 | 11°4 | 28°59 | 0°2 | 16°57 | 28°48 | S 20 |
| S 21 | 0 33 8 | 6°20'52 | 3 ¹¹ 35 | 18°29 | 9°2 | 27°40 | 16°23 | 6°3 | 16°28 | 7°38 | 11°6 | 29°1 | 29°Y59 | 17°4 | 28°45 | S 21 |
| M22 | 0 37 4 | 7°20'08 | 16°22 | 19°38 | 10°16 | 28°19 | 16°36 | 6°10 | 16°30 | 7°40 | 11°9 | 29°2 | 29°56 | 17°10 | 28°43 | M22 |
| T 23 | 0 41 1 | 8°19'25 | 28°50 | 20°53 | 11°29 | 28°58 | 16°49 | 6°17 | 16°31 | 7°41 | 11°11 | 29°3 | 29°52 | 17°17 | 28°40 | T 23 |
| W24 | 0 44 57 | 9°18'45 | 11 ¹¹ 3 | 22°13 | 12°43 | 29°37 | 17°2 | 6°23 | 16°33 | 7°42 | 11°14 | 29°R 4 | 29°49 | 17°24 | 28°37 | W24 |
| T 25 | 0 48 54 | 10°18'07 | 23°1 | 23°37 | 13°57 | 0 ¹¹ 16 | 17°15 | 6°30 | 16°35 | 7°44 | 11°16 | 29°3 | 29°46 | 17°31 | 28°34 | T 25 |
| F 26 | 0 52 51 | 11°17'32 | 4 ¹¹ 55 | 25°5 | 15°11 | 0°55 | 17°28 | 6°36 | 16°37 | 7°45 | 11°18 | 29°2 | 29°43 | 17°37 | 28°32 | F 26 |
| S 27 | 0 56 47 | 12°16'59 | 16°47 | 26°37 | 16°25 | 1°35 | 17°41 | 6°43 | 16°39 | 7°47 | 11°21 | 29°0 | 29°40 | 17°44 | 28°29 | S 27 |
| S 28 | 1 0 44 | 13°16'28 | 28°40 | 28°11 | 17°39 | 2°14 | 17°54 | 6°50 | 16°41 | 7°48 | 11°23 | 28°57 | 29°37 | 17°51 | 28°26 | S 28 |
| M29 | 1 4 40 | 14°15'59 | 10 ¹¹ 39 | 29°47 | 18°53 | 2°53 | 18°7 | 6°57 | 16°43 | 7°50 | 11°25 | 28°55 | 29°33 | 17°57 | 28°24 | M29 |
| T 30 | 1 8 37 | 15°15'33 | 22 ¹¹ 45 | 1°24 | 20 ¹¹ 7 | 3°32 | 18°20 | 7 ¹¹ 3 | 16°46 | 7°51 | 11°28 | 28°Y53 | 29°Y30 | 18°4 | 28°Y21 | T 30 |

Delta T = 05m25s

Julian Calendar 1 Sept. 1483 == Greg. Calendar 10 Sept. 1483

OCTOBER 1483 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|------------------------|---------------------|---------------------|---------------------|--------------------|-------|--------------------|--------|-------|-------|--------|--------|--------|--------|------|
| W 1 | 1 12 33 | 16 ¹¹ 15'08 | 5 ¹¹ 2 | 3 ¹¹ 4 | 21 ¹¹ 21 | 4 ¹¹ 11 | 18°33 | 7 ¹¹ 10 | 16°48 | 7°53 | 11°30 | 28°R51 | 29°Y27 | 18°11 | 28°R18 | W 1 |
| T 2 | 1 16 30 | 17°14'46 | 17°30 | 4°44 | 22°36 | 4°50 | 18°47 | 7°17 | 16°50 | 7°54 | 11°33 | 28°Y50 | 29°24 | 18°18 | 28°Y16 | T 2 |
| F 3 | 1 20 26 | 18°14'25 | 0 ¹¹ 10 | 6°25 | 23°50 | 5°30 | 19°0 | 7°24 | 16°52 | 7°56 | 11°35 | 28°D50 | 29°21 | 18°24 | 28°Y13 | F 3 |
| S 4 | 1 24 23 | 19°14'07 | 13°3 | 8°6 | 25°4 | 6°9 | 19°13 | 7°31 | 16°55 | 7°57 | 11°37 | 28°50 | 29°17 | 18°31 | 28°Y10 | S 4 |
| S 5 | 1 28 20 | 20°13'51 | 26°9 | 9°48 | 26°19 | 6°48 | 19°26 | 7°38 | 16°57 | 7°59 | 11°40 | 28°51 | 29°14 | 18°38 | 28°Y8 | S 5 |
| M 6 | 1 32 16 | 21°13'37 | 9 ¹¹ 29 | 11°30 | 27°33 | 7°27 | 19°39 | 7°45 | 16°59 | 8°1 | 11°42 | 28°52 | 29°11 | 18°44 | 28°Y5 | M 6 |
| T 7 | 1 36 13 | 22°13'24 | 23°1 | 13°12 | 28°47 | 8°7 | 19°52 | 7°52 | 17°2 | 8°2 | 11°44 | 28°52 | 29°8 | 18°51 | 28°Y3 | T 7 |
| W 8 | 1 40 9 | 23°13'13 | 6 ¹¹ 47 | 14°54 | 0 ¹¹ 2 | 8°46 | 20°5 | 7°59 | 17°4 | 8°4 | 11°47 | 28°53 | 29°5 | 18°58 | 28°Y0 | W 8 |
| T 9 | 1 44 6 | 24°13'04 | 20°45 | 16°36 | 1°16 | 9°26 | 20°18 | 8°6 | 17°7 | 8°6 | 11°49 | 28°R53 | 29°2 | 19°5 | 27°58 | T 9 |
| F 10 | 1 48 2 | 25°12'57 | 4 ¹¹ 54 | 18°17 | 2°31 | 10°5 | 20°31 | 8°13 | 17°9 | 8°8 | 11°51 | 28°53 | 28°58 | 19°11 | 27°56 | F 10 |
| S 11 | 1 51 59 | 26°12'51 | 19°13 | 19°59 | 3°46 | 10°44 | 20°44 | 8°20 | 17°12 | 8°9 | 11°54 | 28°53 | 28°55 | 19°18 | 27°53 | S 11 |
| S 12 | 1 55 55 | 27°12'46 | 3 ¹¹ 38 | 21°39 | 5°0 | 11°24 | 20°57 | 8°27 | 17°14 | 8°11 | 11°56 | 28°53 | 28°52 | 19°25 | 27°51 | S 12 |
| M13 | 1 59 52 | 28°12'44 | 18°6 | 23°20 | 6°15 | 12°3 | 21°10 | 8°34 | 17°17 | 8°13 | 11°58 | 28°52 | 28°49 | 19°31 | 27°48 | M13 |
| T 14 | 2 3 49 | 29°12'43 | 2°Y31 | 25°0 | 7°30 | 12°43 | 21°23 | 8°41 | 17°20 | 8°15 | 12°1 | 28°D52 | 28°46 | 19°38 | 27°46 | T 14 |
| W15 | 2 7 45 | 0 ¹¹ 12'43 | 16°49 | 26°40 | 8°44 | 13°22 | 21°36 | 8°48 | 17°22 | 8°17 | 12°3 | 28°52 | 28°43 | 19°45 | 27°44 | W15 |
| T 16 | 2 11 42 | 1°12'46 | 0 ¹¹ 55 | 28°19 | 9°59 | 14°2 | 21°49 | 8°55 | 17°25 | 8°19 | 12°5 | 28°R53 | 28°39 | 19°52 | 27°42 | T 16 |
| F 17 | 2 15 38 | 2°12'50 | 14°44 | 29°58 | 11°14 | 14°41 | 22°3 | 9°2 | 17°28 | 8°21 | 12°8 | 28°52 | 28°36 | 19°58 | 27°39 | F 17 |
| S 18 | 2 19 35 | 3°12'57 | 28°14 | 1 ¹¹ 36 | 12°29 | 15°21 | 22°15 | 9°9 | 17°31 | 8°22 | 12°10 | 28°52 | 28°33 | 20°5 | 27°37 | S 18 |
| S 19 | 2 23 31 | 4°13'05 | 11 ¹¹ 24 | 3°14 | 13°43 | 16°1 | 22°28 | 9°17 | 17°34 | 8°24 | 12°12 | 28°52 | 28°30 | 20°12 | 27°35 | S 19 |
| M20 | 2 27 28 | 5°13'16 | 24°12 | 4°51 | 14°58 | 16°40 | 22°41 | 9°24 | 17°37 | 8°26 | 12°14 | 28°51 | 28°27 | 20°18 | 27°33 | M20 |
| T 21 | 2 31 24 | 6°13'29 | 6 ¹¹ 42 | 6°29 | 16°13 | 17°20 | 22°54 | 9°31 | 17°40 | 8°28 | 12°17 | 28°50 | 28°23 | 20°25 | 27°31 | T 21 |
| W22 | 2 35 21 | 7°13'43 | 18°56 | 8°5 | 17°28 | 18°0 | 23°7 | 9°38 | 17°42 | 8°30 | 12°19 | 28°49 | 28°20 | 20°32 | 27°29 | W22 |
| T 23 | 2 39 18 | 8°14'00 | 0 ¹¹ 59 | 9°42 | 18°43 | 18°39 | 23°20 | 9°45 | 17°45 | 8°32 | 12°21 | 28°49 | 28°17 | 20°39 | 27°27 | T 23 |
| F 24 | 2 43 14 | 9°14'18 | 12°53 | 11°17 | 19°58 | 19°19 | 23°33 | 9°52 | 17°48 | 8°34 | 12°23 | 28°D48 | 28°14 | 20°45 | 27°25 | F 24 |
| S 25 | 2 47 11 | 10°14'39 | 24°45 | 12°53 | 21°13 | 19°59 | 23°46 | 9°59 | 17°52 | 8°36 | 12°25 | 28°49 | 28°11 | 20°52 | 27°23 | S 25 |
| S 26 | 2 51 7 | 11°15'02 | 6 ¹¹ 39 | 14°28 | 22°28 | 20°39 | 23°59 | 10°7 | 17°55 | 8°38 | 12°28 | 28°50 | 28°8 | 20°59 | 27°22 | S 26 |
| M27 | 2 55 4 | 12°15'26 | 18°39 | 16°3 | 23°43 | 21°19 | 24°11 | 10°14 | 17°58 | 8°40 | 12°30 | 28°51 | 28°4 | 21°5 | 27°20 | M27 |
| T 28 | 2 59 0 | 13°15'52 | 0 ¹¹ 50 | 17°38 | 24°59 | 21°58 | 24°24 | 10°21 | 18°1 | 8°43 | 12°32 | 28°52 | 28°1 | 21°12 | 27°18 | T 28 |
| W29 | 3 2 57 | 14°16'20 | 13°15 | 19°12 | 26°14 | 22°38 | 24°37 | 10°28 | 18°4 | 8°45 | 12°34 | 28°53 | 27°58 | 21°19 | 27°16 | W29 |
| T 30 | 3 6 53 | 15°16'50 | 25°56 | 20°46 | 27°29 | 23°18 | 24°50 | 10°35 | 18°7 | 8°47 | 12°36 | 28°R54 | 27°55 | 21°26 | 27°15 | T 30 |
| F 31 | 3 10 50 | 16°17'22 | 8 ¹¹ 54 | 22 ¹¹ 20 | 28°44 | 23°58 | 25°2 | 10°42 | 18°Y10 | 8°Y49 | 12°38 | 28°Y54 | 27°Y52 | 21°Y32 | 27°Y13 | F 31 |

Delta T = 05m25s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1483

geocentric

NOVEMBER 1483 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|----------------------|----------------------|----------------------|----------------------|------|
| S 1 | 3 14 47 | 17 ¹¹ 17'55 | 22 ¹¹ 10 | 23 ¹¹ 54 | 29 ¹¹ 59 | 24 ¹¹ 38 | 25 ¹¹ 15 | 10 ¹¹ 49 | 18 ¹¹ 14 | 8 ¹¹ 51 | 12 ¹¹ 40 | 28 ¹¹ R53 | 27 ¹¹ Y48 | 21 ¹¹ Ω39 | 27 ¹¹ R11 | S 1 |
| S 2 | 3 18 43 | 18°18'30 | 5 ¹¹ 43 | 25°27 | 1 ¹¹ 14 | 25°18 | 25°28 | 10°56 | 18°17 | 8°53 | 12°42 | 28 ¹¹ Y50 | 27°45 | 21°46 | 27 ¹¹ X10 | S 2 |
| M 3 | 3 22 40 | 19°19'07 | 19°30 | 27° 0 | 2°30 | 25°58 | 25°40 | 11° 4 | 18°20 | 8°55 | 12°44 | 28°48 | 27°42 | 21°52 | 27° 8 | M 3 |
| T 4 | 3 26 36 | 20°19'44 | 3 ¹¹ 38 | 28°33 | 3°45 | 26°38 | 25°53 | 11°11 | 18°23 | 8°57 | 12°46 | 28°44 | 27°39 | 21°59 | 27° 7 | T 4 |
| W 5 | 3 30 33 | 21°20'23 | 17°34 | 0 ¹¹ 47 | 5° 0 | 27°18 | 26° 5 | 11°18 | 18°27 | 9° 0 | 12°48 | 28°42 | 27°36 | 22° 6 | 27° 6 | W 5 |
| T 6 | 3 34 29 | 22°21'04 | 1 ¹¹ 44 | 1°38 | 6°16 | 27°58 | 26°18 | 11°25 | 18°30 | 9° 2 | 12°50 | 28°39 | 27°33 | 22°13 | 27° 4 | T 6 |
| F 7 | 3 38 26 | 23°21'45 | 15°56 | 3°10 | 7°31 | 28°39 | 26°30 | 11°32 | 18°33 | 9° 4 | 12°52 | 28°38 | 27°29 | 22°19 | 27° 3 | F 7 |
| S 8 | 3 42 22 | 24°22'27 | 0 ¹¹ 46 | 4°42 | 8°46 | 29°19 | 26°42 | 11°39 | 18°37 | 9° 6 | 12°54 | 28°D38 | 27°26 | 22°26 | 27° 2 | S 8 |
| S 9 | 3 46 19 | 25°23'10 | 14°14 | 6°14 | 10° 1 | 29°59 | 26°55 | 11°46 | 18°40 | 9° 8 | 12°56 | 28°39 | 27°23 | 22°33 | 27° 1 | S 9 |
| M10 | 3 50 16 | 26°23'55 | 28°17 | 7°46 | 11°17 | 0 ¹¹ 39 | 27° 7 | 11°53 | 18°44 | 9°11 | 12°58 | 28°40 | 27°20 | 22°39 | 27° 0 | M10 |
| T 11 | 3 54 12 | 27°24'40 | 12 ¹¹ Y14 | 9°18 | 12°32 | 1°19 | 27°19 | 12° 0 | 18°47 | 9°13 | 13° 0 | 28°42 | 27°17 | 22°46 | 26°59 | T 11 |
| W12 | 3 58 9 | 28°25'27 | 26° 3 | 10°49 | 13°47 | 2° 0 | 27°31 | 12° 7 | 18°51 | 9°15 | 13° 1 | 28°R43 | 27°14 | 22°53 | 26°58 | W12 |
| T 13 | 4 2 5 | 29°26'14 | 9 ¹¹ 42 | 12°20 | 15° 3 | 2°40 | 27°43 | 12°14 | 18°54 | 9°17 | 13° 3 | 28°42 | 27°10 | 23° 0 | 26°57 | T 13 |
| F 14 | 4 6 2 | 0 ¹¹ 47'03 | 23° 9 | 13°51 | 16°18 | 3°20 | 27°55 | 12°21 | 18°58 | 9°20 | 13° 5 | 28°40 | 27° 7 | 23° 6 | 26°56 | F 14 |
| S 15 | 4 9 58 | 1°27'53 | 6 ¹¹ 22 | 15°21 | 17°34 | 4° 0 | 28° 7 | 12°28 | 19° 1 | 9°22 | 13° 7 | 28°36 | 27° 4 | 23°13 | 26°55 | S 15 |
| S 16 | 4 13 55 | 2°28'44 | 19°21 | 16°52 | 18°49 | 4°41 | 28°19 | 12°35 | 19° 5 | 9°24 | 13° 9 | 28°31 | 27° 1 | 23°20 | 26°54 | S 16 |
| M17 | 4 17 51 | 3°29'36 | 2 ¹¹ 4 | 18°22 | 20° 4 | 5°21 | 28°31 | 12°41 | 19° 8 | 9°26 | 13°10 | 28°25 | 26°58 | 23°26 | 26°53 | M17 |
| T 18 | 4 21 48 | 4°30'30 | 14°31 | 19°51 | 21°20 | 6° 2 | 28°43 | 12°48 | 19°12 | 9°29 | 13°12 | 28°18 | 26°54 | 23°33 | 26°53 | T 18 |
| W19 | 4 25 45 | 5°31'25 | 26°45 | 21°21 | 22°35 | 6°42 | 28°55 | 12°55 | 19°15 | 9°31 | 13°14 | 28°12 | 26°51 | 23°40 | 26°52 | W19 |
| T 20 | 4 29 41 | 6°32'21 | 8 ¹¹ 47 | 22°49 | 23°51 | 7°23 | 29° 6 | 13° 2 | 19°19 | 9°33 | 13°15 | 28° 7 | 26°48 | 23°47 | 26°52 | T 20 |
| F 21 | 4 33 38 | 7°33'18 | 20°41 | 24°17 | 25° 6 | 8° 3 | 29°18 | 13° 9 | 19°22 | 9°35 | 13°17 | 28° 3 | 26°45 | 23°53 | 26°51 | F 21 |
| S 22 | 4 37 34 | 8°34'16 | 2 ¹¹ 32 | 25°44 | 26°22 | 8°44 | 29°30 | 13°15 | 19°26 | 9°38 | 13°18 | 28° 2 | 26°42 | 24° 0 | 26°51 | S 22 |
| S 23 | 4 41 31 | 9°35'16 | 14°25 | 27°11 | 27°37 | 9°24 | 29°41 | 13°22 | 19°29 | 9°40 | 13°20 | 28°D 2 | 26°39 | 24° 7 | 26°50 | S 23 |
| M24 | 4 45 27 | 10°36'16 | 26°23 | 28°36 | 28°52 | 10° 5 | 29°53 | 13°29 | 19°33 | 9°42 | 13°22 | 28° 3 | 26°35 | 24°13 | 26°50 | M24 |
| T 25 | 4 49 24 | 11°37'18 | 8 ¹¹ 43 | 0 ¹¹ 3 | 0 ¹¹ 8 | 10°45 | 0 ¹¹ 4 | 13°35 | 19°37 | 9°44 | 13°23 | 28° 4 | 26°32 | 24°20 | 26°50 | T 25 |
| W26 | 4 53 20 | 12°38'21 | 21° 0 | 1°23 | 1°23 | 11°26 | 0°15 | 13°42 | 19°40 | 9°47 | 13°24 | 28° 6 | 26°29 | 24°27 | 26°49 | W26 |
| T 27 | 4 57 17 | 13°39'25 | 3 ¹¹ 47 | 2°44 | 2°39 | 12° 7 | 0°26 | 13°48 | 19°44 | 9°49 | 13°26 | 28°R 6 | 26°26 | 24°33 | 26°49 | T 27 |
| F 28 | 5 1 14 | 14°40'30 | 16°57 | 4° 3 | 3°54 | 12°48 | 0°38 | 13°55 | 19°48 | 9°51 | 13°27 | 28° 4 | 26°23 | 24°40 | 26°49 | F 28 |
| S 29 | 5 5 10 | 15°41'36 | 0 ¹¹ 31 | 5°20 | 5°10 | 13°28 | 0°49 | 14° 1 | 19°51 | 9°53 | 13°29 | 28° 0 | 26°20 | 24°47 | 26°D49 | S 29 |
| S 30 | 5 9 7 | 16 ¹¹ 42'42 | 14 ¹¹ 27 | 6 ¹¹ 35 | 6 ¹¹ 25 | 14 ¹¹ 9 | 1 ¹¹ 0 | 14 ¹¹ 8 | 19 ¹¹ 55 | 9 ¹¹ 56 | 13 ¹¹ 30 | 27 ¹¹ Y54 | 26 ¹¹ Y16 | 24 ¹¹ Ω54 | 26 ¹¹ X49 | S 30 |

Delta T = 05m25s

Julian Calendar 1 Nov. 1483 == Greg. Calendar 10 Nov. 1483

DECEMBER 1483 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|------------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|--------------------|---------------------|----------------------|----------------------|----------------------|----------------------|------|
| M 1 | 5 13 3 | 17 ¹¹ 43'49 | 28 ¹¹ 42 | 7 ¹¹ 46 | 7 ¹¹ 41 | 14 ¹¹ 50 | 1 ¹¹ 11 | 14 ¹¹ 14 | 19 ¹¹ 58 | 9 ¹¹ 58 | 13 ¹¹ 31 | 27°R46 | 26 ¹¹ Y13 | 25 ¹¹ Ω 0 | 26 ¹¹ X49 | M 1 |
| T 2 | 5 17 0 | 18°44'57 | 13 ¹¹ 31 | 8°53 | 8°56 | 15°31 | 1°21 | 14°20 | 20° 2 | 10° 0 | 13°33 | 27 ¹¹ Y37 | 26°10 | 25° 7 | 26°49 | T 2 |
| W 3 | 5 20 56 | 19°46'06 | 27°45 | 9°57 | 10°12 | 16°12 | 1°32 | 14°27 | 20° 6 | 10° 2 | 13°34 | 27°29 | 26° 7 | 25°14 | 26°49 | W 3 |
| T 4 | 5 24 53 | 20°47'14 | 12 ¹¹ 19 | 10°55 | 11°27 | 16°52 | 1°43 | 14°33 | 20° 9 | 10° 5 | 13°35 | 27°22 | 26° 4 | 25°20 | 26°50 | T 4 |
| F 5 | 5 28 50 | 21°48'23 | 26°47 | 11°49 | 12°43 | 17°33 | 1°53 | 14°39 | 20°13 | 10° 7 | 13°36 | 27°17 | 26° 1 | 25°27 | 26°50 | F 5 |
| S 6 | 5 32 46 | 22°49'32 | 11 ¹¹ 46 | 12°35 | 13°58 | 18°14 | 2° 4 | 14°45 | 20°17 | 10° 9 | 13°38 | 27°14 | 25°57 | 25°34 | 26°50 | S 6 |
| S 7 | 5 36 43 | 23°50'41 | 25° 9 | 13°15 | 15°14 | 18°55 | 2°14 | 14°51 | 20°20 | 10°11 | 13°39 | 27°D13 | 25°54 | 25°41 | 26°51 | S 7 |
| M 8 | 5 40 39 | 24°51'50 | 8 ¹¹ Y59 | 13°47 | 16°29 | 19°36 | 2°24 | 14°58 | 20°24 | 10°14 | 13°40 | 27°14 | 25°51 | 25°47 | 26°51 | M 8 |
| T 9 | 5 44 36 | 25°52'59 | 22°37 | 14° 9 | 17°45 | 20°17 | 2°35 | 15° 4 | 20°27 | 10°16 | 13°41 | 27°R15 | 25°48 | 25°54 | 26°52 | T 9 |
| W10 | 5 48 32 | 26°54'08 | 6 ¹¹ 8 | 14°22 | 19° 0 | 20°58 | 2°45 | 15° 9 | 20°31 | 10°18 | 13°42 | 27°14 | 25°45 | 26° 1 | 26°52 | W10 |
| T 11 | 5 52 29 | 27°55'17 | 19°16 | 14°R24 | 20°16 | 21°39 | 2°55 | 15°15 | 20°35 | 10°20 | 13°43 | 27°12 | 25°41 | 26° 7 | 26°53 | T 11 |
| F 12 | 5 56 25 | 28°56'26 | 2 ¹¹ 18 | 14°15 | 21°31 | 22°20 | 3° 5 | 15°21 | 20°38 | 10°22 | 13°44 | 27° 7 | 25°38 | 26°14 | 26°54 | F 12 |
| S 13 | 6 0 22 | 29°57'35 | 15°10 | 13°54 | 22°47 | 23° 1 | 3°14 | 15°27 | 20°42 | 10°25 | 13°45 | 26°59 | 25°35 | 26°21 | 26°54 | S 13 |
| S 14 | 6 4 19 | 0 ¹¹ 38'45 | 27°52 | 13°22 | 24° 2 | 23°43 | 3°24 | 15°33 | 20°46 | 10°27 | 13°46 | 26°49 | 25°32 | 26°27 | 26°55 | S 14 |
| M15 | 6 8 15 | 1°59'54 | 10 ¹¹ 22 | 12°37 | 25°18 | 24°24 | 3°34 | 15°38 | 20°49 | 10°29 | 13°46 | 26°37 | 25°29 | 26°34 | 26°56 | M15 |
| T 16 | 6 12 12 | 3° 1'04 | 22°41 | 11°42 | 26°33 | 25° 5 | 3°43 | 15°44 | 20°53 | 10°31 | 13°47 | 26°24 | 25°26 | 26°41 | 26°57 | T 16 |
| W17 | 6 16 8 | 4° 2'14 | 4 ¹¹ 49 | 10°38 | 27°49 | 25°46 | 3°52 | 15°50 | 20°56 | 10°33 | 13°48 | 26°11 | 25°22 | 26°48 | 26°58 | W17 |
| T 18 | 6 20 5 | 5° 3'24 | 16°48 | 9°25 | 29° 4 | 26°27 | 4° 2 | 15°55 | 21° 0 | 10°35 | 13°49 | 26° 0 | 25°19 | 26°54 | 26°59 | T 18 |
| F 19 | 6 24 1 | 6° 4'34 | 28°41 | 8° 8 | 0 ¹¹ 20 | 27° 9 | 4°11 | 16° 0 | 21° 3 | 10°37 | 13°50 | 25°51 | 25°16 | 27° 1 | 27° 0 | F 19 |
| S 20 | 6 27 58 | 7° 5'44 | 10 ¹¹ 31 | 6°47 | 1°35 | 27°50 | 4°20 | 16° 6 | 21° 7 | 10°39 | 13°50 | 25°45 | 25°13 | 27° 8 | 27° 1 | S 20 |
| S 21 | 6 31 54 | 8° 6'54 | 22°21 | 5°26 | 2°51 | 28°31 | 4°29 | 16°11 | 21°10 | 10°41 | 13°51 | 25°42 | 25°10 | 27°14 | 27° 2 | S 21 |
| M22 | 6 35 51 | 9° 8'04 | 4 ¹¹ 16 | 4° 8 | 4° 6 | 29°13 | 4°38 | 16°16 | 21°14 | 10°44 | 13°51 | 25°41 | 25° 7 | 27°21 | 27° 4 | M22 |
| T 23 | 6 39 48 | 10° 9'14 | 16°23 | 2°54 | 5°22 | 29°54 | 4°46 | 16°22 | 21°17 | 10°46 | 13°52 | 25°D41 | 25° 3 | 27°28 | 27° 5 | T 23 |
| W24 | 6 43 44 | 11°10'25 | 28°46 | 1°47 | 6°37 | 0 ¹¹ 36 | 4°55 | 16°27 | 21°21 | 10°48 | 13°53 | 25°R41 | 25° 0 | 27°34 | 27° 6 | W24 |
| T 25 | 6 47 41 | 12°11'35 | 11 ¹¹ 31 | 0°48 | 7°53 | 1°17 | 5° 3 | 16°32 | 21°24 | 10°50 | 13°53 | 25°40 | 24°57 | 27°41 | 27° 8 | T 25 |
| F 26 | 6 51 37 | 13°12'45 | 24°41 | 29 ¹¹ 58 | 9° 8 | 1°59 | 5°12 | 16°37 | 21°28 | 10°52 | 13°54 | 25°37 | 24°54 | 27°48 | 27° 9 | F 26 |
| S 27 | 6 55 34 | 14°13'56 | 8 ¹¹ 20 | 29°17 | 10°24 | 2°40 | 5°20 | 16°42 | 21°31 | 10°54 | 13°54 | 25°31 | 24°51 | 27°55 | 27°11 | S 27 |
| S 28 | 6 59 30 | 15°15'06 | 22°27 | 28°47 | 11°39 | 3°22 | 5°28 | 16°46 | 21°35 | 10°56 | 13°54 | 25°23 | 24°47 | 28° 1 | 27°12 | S 28 |
| M29 | 7 3 27 | 16°16'16 | 7 ¹¹ 3 | 0 | 28°26 | 12°55 | 4° 3 | 5°36 | 16°51 | 21°38 | 13°55 | 25°12 | 24°44 | 28° 8 | 27°14 | M29 |
| T 30 | 7 7 24 | 17°17'25 | 21°51 | 28°14 | 14°10 | 4°45 | 5°44 | 16°56 | 21°41 | 10°59 | 13°55 | 25° 0 | 24°41 | 28°15 | 27°16 | T 30 |
| W31 | 7 11 20 | 18 ¹¹ 18'34 | 6 ¹¹ 52 | 28°D12 | 15 ¹¹ 26 | 5 ¹¹ 27 | 5 ¹¹ 11 | 17 ¹¹ 0 | 21 ¹¹ 45 | 11 ¹¹ 1 | 13 ¹¹ 55 | 24 ¹¹ Y48 | 24 ¹¹ Y38 | 28 ¹¹ Ω21 | 27 ¹¹ X17 | W31 |

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