



Astrodienst Ephemeris Tables for the year 1504

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 1504

geocentric

JANUARY 1504 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|--------|-------|--------|--------|-------|--------|--------|--------|-------|--------|--------|-------|--------|------|
| M 1 | 7 15 54 | 19°38'16 | 6°15 | 26°3 | 27°R38 | 11°R49 | 8°R37 | 13°R58 | 9°H16 | 23°C19 | 4°A12 | 26°R41 | 27°H45 | 2°A6 | 28°R 2 | M 1 |
| T 2 | 7 19 50 | 20°29'21 | 21° 5 | 26°44 | 27°C 3 | 11°C27 | 8°C29 | 13°C53 | 9°19 | 23°21 | 4°14 | 26°H30 | 27°42 | 2°13 | 27°C58 | T 2 |
| W 3 | 7 23 47 | 21°30'26 | 5°14 | 27°30 | 26°27 | 11° 4 | 8°21 | 13°48 | 9°21 | 23°23 | 4°16 | 26°20 | 27°39 | 2°19 | 27°54 | W 3 |
| T 4 | 7 27 43 | 22°31'30 | 19°52 | 28°20 | 25°51 | 10°42 | 8°13 | 13°44 | 9°24 | 23°26 | 4°17 | 26°13 | 27°35 | 2°26 | 27°49 | T 4 |
| F 5 | 7 31 40 | 23°32'33 | 3°18 | 29°14 | 25°14 | 10°21 | 8° 6 | 13°39 | 9°27 | 23°28 | 4°19 | 26° 8 | 27°32 | 2°33 | 27°45 | F 5 |
| S 6 | 7 35 37 | 24°33'36 | 16°56 | 0°11 | 24°37 | 10° 0 | 7°58 | 13°34 | 9°29 | 23°30 | 4°21 | 26° 6 | 27°29 | 2°39 | 27°40 | S 6 |
| S 7 | 7 39 33 | 25°34'38 | 29°48 | 1°11 | 24° 0 | 9°39 | 7°51 | 13°29 | 9°32 | 23°33 | 4°22 | 26°D 6 | 27°26 | 2°46 | 27°36 | S 7 |
| M 8 | 7 43 30 | 26°35'39 | 12°18 | 2°14 | 23°23 | 9°19 | 7°44 | 13°24 | 9°35 | 23°35 | 4°24 | 26° 6 | 27°23 | 2°53 | 27°31 | M 8 |
| T 9 | 7 47 26 | 27°36'40 | 24°30 | 3°20 | 22°47 | 8°59 | 7°36 | 13°20 | 9°37 | 23°37 | 4°26 | 26°R 7 | 27°20 | 2°59 | 27°27 | T 9 |
| W10 | 7 51 23 | 28°37'41 | 6°18 | 4°28 | 22°12 | 8°40 | 7°29 | 13°15 | 9°40 | 23°39 | 4°27 | 26° 7 | 27°16 | 3° 6 | 27°22 | W10 |
| T 11 | 7 55 19 | 29°38'41 | 18°21 | 5°38 | 21°38 | 8°22 | 7°22 | 13°10 | 9°43 | 23°42 | 4°29 | 26° 5 | 27°13 | 3°13 | 27°18 | T 11 |
| F 12 | 7 59 16 | 0°39'40 | 0°A11 | 6°50 | 21° 5 | 8° 5 | 7°15 | 13° 6 | 9°46 | 23°44 | 4°30 | 26° 0 | 27°10 | 3°20 | 27°13 | F 12 |
| S 13 | 8 3 12 | 1°40'39 | 12° 3 | 8° 3 | 20°33 | 7°48 | 7° 9 | 13° 1 | 9°49 | 23°46 | 4°32 | 25°53 | 27° 7 | 3°26 | 27° 9 | S 13 |
| S 14 | 8 7 9 | 2°41'37 | 24° 1 | 9°18 | 20° 3 | 7°31 | 7° 2 | 12°57 | 9°52 | 23°48 | 4°33 | 25°45 | 27° 4 | 3°33 | 27° 4 | S 14 |
| M15 | 8 11 6 | 3°42'34 | 6° 8 | 10°35 | 19°35 | 7°16 | 6°55 | 12°52 | 9°54 | 23°51 | 4°35 | 25°35 | 27° 1 | 3°40 | 27° 0 | M15 |
| T 16 | 8 15 2 | 4°43'30 | 18°25 | 11°53 | 19° 9 | 7° 1 | 6°49 | 12°48 | 9°57 | 23°53 | 4°36 | 25°24 | 26°57 | 3°46 | 26°55 | T 16 |
| W17 | 8 18 59 | 5°44'25 | 0°56 | 13°13 | 18°45 | 6°47 | 6°43 | 12°43 | 10° 0 | 23°55 | 4°38 | 25°15 | 26°54 | 3°53 | 26°51 | W17 |
| T 18 | 8 22 55 | 6°45'19 | 13°36 | 14°34 | 18°23 | 6°34 | 6°36 | 12°39 | 10° 3 | 23°57 | 4°39 | 25° 7 | 26°51 | 4° 0 | 26°46 | T 18 |
| F 19 | 8 26 52 | 7°46'11 | 26°29 | 15°56 | 18° 4 | 6°21 | 6°30 | 12°35 | 10° 6 | 24° 0 | 4°40 | 25° 1 | 26°48 | 4° 7 | 26°42 | F 19 |
| S 20 | 8 30 48 | 8°47'03 | 9°H34 | 17°19 | 17°47 | 6° 9 | 6°25 | 12°31 | 10° 9 | 24° 2 | 4°42 | 24°57 | 26°45 | 4°13 | 26°38 | S 20 |
| S 21 | 8 34 45 | 9°47'52 | 22°49 | 18°43 | 17°32 | 5°59 | 6°19 | 12°26 | 10°12 | 24° 4 | 4°43 | 24°D56 | 26°41 | 4°20 | 26°33 | S 21 |
| M22 | 8 38 41 | 10°48'41 | 6°Y17 | 20° 8 | 17°20 | 5°48 | 6°13 | 12°22 | 10°16 | 24° 6 | 4°44 | 24°56 | 26°38 | 4°27 | 26°29 | M22 |
| T 23 | 8 42 38 | 11°49'28 | 19°55 | 21°34 | 17°10 | 5°39 | 6° 8 | 12°18 | 10°19 | 24° 9 | 4°45 | 24°58 | 26°35 | 4°33 | 26°25 | T 23 |
| W24 | 8 46 35 | 12°50'13 | 3°B45 | 23° 1 | 17° 3 | 5°31 | 6° 3 | 12°14 | 10°22 | 24°11 | 4°46 | 24°59 | 26°32 | 4°40 | 26°20 | W24 |
| T 25 | 8 50 31 | 13°50'57 | 17°47 | 24°29 | 16°58 | 5°23 | 5°58 | 12°11 | 10°25 | 24°13 | 4°48 | 24°R59 | 26°29 | 4°47 | 26°16 | T 25 |
| F 26 | 8 54 28 | 14°51'39 | 2°II 0 | 25°58 | 16°D56 | 5°16 | 5°53 | 12° 7 | 10°28 | 24°15 | 4°49 | 24°58 | 26°26 | 4°54 | 26°12 | F 26 |
| S 27 | 8 58 24 | 15°52'20 | 16°22 | 27°28 | 16°56 | 5°10 | 5°48 | 12° 3 | 10°31 | 24°17 | 4°50 | 24°55 | 26°22 | 5° 0 | 26° 8 | S 27 |
| S 28 | 9 2 21 | 16°52'59 | 0°C49 | 28°59 | 16°58 | 5° 5 | 5°44 | 12° 0 | 10°35 | 24°19 | 4°51 | 24°50 | 26°19 | 5° 7 | 26° 4 | S 28 |
| M29 | 9 6 17 | 17°53'36 | 15°17 | 0°C30 | 17° 3 | 5° 0 | 5°39 | 11°56 | 10°38 | 24°22 | 4°52 | 24°44 | 26°16 | 5°14 | 26° 0 | M29 |
| T 30 | 9 10 14 | 18°54'11 | 29°41 | 2° 3 | 17°10 | 4°57 | 5°35 | 11°53 | 10°41 | 24°24 | 4°53 | 24°38 | 26°13 | 5°20 | 25°56 | T 30 |
| W31 | 9 14 11 | 19°54'45 | 13°L52 | 3°C36 | 17°C20 | 4°C54 | 5°C31 | 11°C49 | 10°H44 | 24°C26 | 4°A54 | 24°H33 | 26°H10 | 5°A27 | 25°C52 | W31 |

Delta T = 282.94 sec

Julian Calendar 1 Jan. 1504 == Greg. Calendar 11 Jan. 1504

FEBRUARY 1504 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|---------|--------|--------|-------|-------|--------|--------|--------|-------|--------|--------|-------|--------|------|
| T 1 | 9 18 7 | 20°55'17 | 27°L48 | 5°A11 | 17°C31 | 4°R52 | 5°R27 | 11°R46 | 10°H48 | 24°C28 | 4°A55 | 24°R29 | 26°H 7 | 5°A34 | 25°R48 | T 1 |
| F 2 | 9 22 4 | 21°55'48 | 11°H24 | 6°46 | 17°45 | 4°C50 | 5°C24 | 11°C43 | 10°51 | 24°30 | 4°56 | 24°H27 | 26° 3 | 5°41 | 25°C44 | F 2 |
| S 3 | 9 26 0 | 22°56'17 | 24°38 | 8°22 | 18° 1 | 4°D50 | 5°20 | 11°40 | 10°54 | 24°32 | 4°56 | 24°D26 | 26° 0 | 5°47 | 25°40 | S 3 |
| S 4 | 9 29 57 | 23°56'45 | 7°A30 | 9°59 | 18°19 | 4°50 | 5°17 | 11°37 | 10°57 | 24°34 | 4°57 | 24°27 | 25°57 | 5°54 | 25°36 | S 4 |
| M 5 | 9 33 53 | 24°57'11 | 20° 2 | 11°37 | 18°38 | 4°51 | 5°14 | 11°34 | 11° 1 | 24°36 | 4°58 | 24°28 | 25°54 | 6° 1 | 25°33 | M 5 |
| T 6 | 9 37 50 | 25°57'36 | 2°II17 | 13°16 | 19° 0 | 4°52 | 5°11 | 11°31 | 11° 4 | 24°38 | 4°59 | 24°30 | 25°51 | 6° 7 | 25°29 | T 6 |
| W 7 | 9 41 46 | 26°58'00 | 14°20 | 14°56 | 19°24 | 4°55 | 5° 8 | 11°28 | 11° 7 | 24°40 | 5° 0 | 24°32 | 25°47 | 6°14 | 25°26 | W 7 |
| T 8 | 9 45 43 | 27°58'22 | 26°15 | 16°37 | 19°49 | 4°58 | 5° 6 | 11°26 | 11°11 | 24°42 | 5° 0 | 24°R32 | 25°44 | 6°21 | 25°22 | T 8 |
| F 9 | 9 49 39 | 28°58'42 | 8°A 7 | 18°19 | 20°16 | 5° 2 | 5° 3 | 11°23 | 11°14 | 24°44 | 5° 1 | 24°32 | 25°41 | 6°28 | 25°19 | F 9 |
| S 10 | 9 53 36 | 29°59'02 | 20° 1 | 20° 2 | 20°45 | 5° 6 | 5° 1 | 11°21 | 11°18 | 24°46 | 5° 1 | 24°30 | 25°38 | 6°34 | 25°15 | S 10 |
| S 11 | 9 57 33 | 0°H59'19 | 2°C 1 | 21°45 | 21°15 | 5°11 | 4°59 | 11°18 | 11°21 | 24°48 | 5° 2 | 24°28 | 25°35 | 6°41 | 25°12 | S 11 |
| M12 | 10 1 29 | 1°59'36 | 14°11 | 23°30 | 21°47 | 5°17 | 4°58 | 11°16 | 11°24 | 24°50 | 5° 3 | 24°24 | 25°32 | 6°48 | 25° 9 | M12 |
| T 13 | 10 5 26 | 2°59'50 | 26°35 | 25°16 | 22°20 | 5°23 | 4°56 | 11°14 | 11°28 | 24°52 | 5° 3 | 24°21 | 25°28 | 6°54 | 25° 6 | T 13 |
| W14 | 10 9 22 | 4° 0'03 | 9°A14 | 27° 3 | 22°54 | 5°30 | 4°55 | 11°12 | 11°31 | 24°54 | 5° 4 | 24°17 | 25°25 | 7° 1 | 25° 3 | W14 |
| T 15 | 10 13 19 | 5° 0'14 | 22°10 | 28°51 | 23°30 | 5°38 | 4°54 | 11°10 | 11°35 | 24°56 | 5° 4 | 24°15 | 25°22 | 7° 8 | 25° 0 | T 15 |
| F 16 | 10 17 15 | 6° 0'24 | 5°H23 | 0°H40 | 24° 7 | 5°46 | 4°53 | 11° 8 | 11°38 | 24°57 | 5° 4 | 24°13 | 25°19 | 7°15 | 24°57 | F 16 |
| S 17 | 10 21 12 | 7° 0'31 | 18°52 | 2°30 | 24°46 | 5°55 | 4°52 | 11° 6 | 11°41 | 24°59 | 5° 5 | 24°D12 | 25°16 | 7°21 | 24°54 | S 17 |
| S 18 | 10 25 8 | 8° 0'37 | 2°Y34 | 4°21 | 25°25 | 6° 5 | 4°51 | 11° 5 | 11°45 | 25° 1 | 5° 5 | 24°12 | 25°12 | 7°28 | 24°51 | S 18 |
| M19 | 10 29 5 | 9° 0'40 | 16°27 | 6°13 | 26° 6 | 6°15 | 4°51 | 11° 3 | 11°48 | 25° 3 | 5° 5 | 24°13 | 25° 9 | 7°35 | 24°49 | M19 |
| T 20 | 10 33 2 | 10° 0'42 | 0°B29 | 8° 7 | 26°48 | 6°25 | 4°D51 | 11° 2 | 11°52 | 25° 4 | 5° 6 | 24°14 | 25° 6 | 7°41 | 24°46 | T 20 |
| W21 | 10 36 58 | 11° 0'41 | 14°37 | 10° 1 | 27°30 | 6°36 | 4°51 | 11° 1 | 11°55 | 25° 6 | 5° 6 | 24°15 | 25° 3 | 7°48 | 24°44 | W21 |
| T 22 | 10 40 55 | 12° 0'38 | 28°48 | 11°56 | 28°14 | 6°48 | 4°51 | 10°59 | 11°59 | 25° 8 | 5° 6 | 24°16 | 25° 0 | 7°55 | 24°41 | T 22 |
| F 23 | 10 44 51 | 13° 0'33 | 13°II 1 | 13°52 | 28°59 | 7° 1 | 4°52 | 10°58 | 12° 2 | 25°10 | 5° 6 | 24°R16 | 24°57 | 8° 2 | 24°39 | F 23 |
| S 24 | 10 48 48 | 14° 0'26 | 27°12 | 15°49 | 29°45 | 7°13 | 4°52 | 10°57 | 12° 6 | 25°11 | 5° 7 | 24°16 | 24°53 | 8° 8 | 24°37 | S 24 |
| S 25 | 10 52 44 | 15° 0'16 | 11°C19 | 17°46 | 0°A31 | 7°27 | 4°53 | 10°57 | 12° 9 | 25°13 | 5° 7 | 24°15 | 24°50 | 8°15 | 24°35 | S 25 |
| M26 | 10 56 41 | 16° 0'05 | 25°21 | 19°45 | 1°19 | 7°41 | 4°54 | 10°56 | 12°12 | 25°15 | 5° 7 | 24°14 | 24°47 | 8°22 | 24°33 | M26 |
| T 27 | 11 0 37 | 16°59'50 | 9°L14 | 21°44 | 2° 7 | 7°55 | 4°55 | 10°55 | 12°16 | 25°16 | 5°R 7 | 24°13 | 24°44 | 8°29 | 24°31 | T 27 |
| W28 | 11 4 34 | 17°59'34 | 22°57 | 23°43 | 2°56 | 8°10 | 4°57 | 10°55 | 12°19 | 25°18 | 5° 7 | 24°12 | 24°41 | 8°35 | 24°29 | W28 |
| T 29 | 11 8 31 | 18°H59'16 | 6°H26 | 25°H42 | 3°A46 | 8°C25 | 4°C58 | 10°C54 | 12°H23 | 25°C19 | 5°A 7 | 24°H12 | 24°H38 | 8°A42 | 24°C27 | T 29 |

Delta T = 282.75 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1504

geocentric

MARCH 1504 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|------------------------|--------------------|--------------------|--------------------|--------------------|-------------------|---------------------|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|------|
| F 1 | 11 12 27 | 19 ^h 58'55" | 19 ^m 41 | 27 ^h 41 | 4 ^h 36 | 8 ^h 41 | 5 ^h 0 | 10 ^h R54 | 12 ^h 26 | 25 ^h 21 | 5 ^h R 7 | 24 ^h D12 | 24 ^h 34 | 8 ^h 49 | 24 ^h R26 | F 1 |
| S 2 | 11 16 24 | 20 ^h 58'32" | 2 ^m 40 | 29 ^h 40 | 5 ^h 27 | 8 ^h 57 | 5 ^h 2 | 10 ^h 54 | 12 ^h 30 | 25 ^h 22 | 5 ^h 6 | 24 ^h 12 | 24 ^h 31 | 8 ^h 55 | 24 ^h 24 | S 2 |
| S 3 | 11 20 20 | 21 ^h 58'07" | 15 ^m 23 | 1 ^h 39 | 6 ^h 19 | 9 ^h 13 | 5 ^h 4 | 10 ^h D54 | 12 ^h 33 | 25 ^h 24 | 5 ^h 6 | 24 ^h 12 | 24 ^h 28 | 9 ^h 2 | 24 ^h 23 | S 3 |
| M 4 | 11 24 17 | 22 ^h 57'41" | 27 ^m 50 | 3 ^h 36 | 7 ^h 12 | 9 ^h 30 | 5 ^h 7 | 10 ^h 54 | 12 ^h 36 | 25 ^h 25 | 5 ^h 6 | 24 ^h 12 | 24 ^h 25 | 9 ^h 9 | 24 ^h 21 | M 4 |
| T 5 | 11 28 13 | 23 ^h 57'12" | 10 ^m 4 | 5 ^h 32 | 8 ^h 5 | 9 ^h 48 | 5 ^h 9 | 10 ^h 54 | 12 ^h 40 | 25 ^h 27 | 5 ^h 6 | 24 ^h R12 | 24 ^h 22 | 9 ^h 16 | 24 ^h 20 | T 5 |
| W 6 | 11 32 10 | 24 ^h 56'42" | 22 ^m 8 | 7 ^h 27 | 8 ^h 59 | 10 ^h 6 | 5 ^h 12 | 10 ^h 54 | 12 ^h 43 | 25 ^h 28 | 5 ^h 6 | 24 ^h 12 | 24 ^h 18 | 9 ^h 22 | 24 ^h 19 | W 6 |
| T 7 | 11 36 6 | 25 ^h 56'10" | 4 ^m 4 | 9 ^h 20 | 9 ^h 53 | 10 ^h 24 | 5 ^h 15 | 10 ^h 55 | 12 ^h 47 | 25 ^h 29 | 5 ^h 5 | 24 ^h 12 | 24 ^h 15 | 9 ^h 29 | 24 ^h 18 | T 7 |
| F 8 | 11 40 3 | 26 ^h 55'36" | 15 ^m 57 | 11 ^h 10 | 10 ^h 48 | 10 ^h 42 | 5 ^h 18 | 10 ^h 55 | 12 ^h 50 | 25 ^h 31 | 5 ^h 5 | 24 ^h 12 | 24 ^h 12 | 9 ^h 36 | 24 ^h 17 | F 8 |
| S 9 | 11 44 0 | 27 ^h 55'01" | 27 ^m 51 | 12 ^h 57 | 11 ^h 44 | 11 ^h 1 | 5 ^h 21 | 10 ^h 56 | 12 ^h 53 | 25 ^h 32 | 5 ^h 5 | 24 ^h D12 | 24 ^h 9 | 9 ^h 42 | 24 ^h 16 | S 9 |
| S 10 | 11 47 56 | 28 ^h 54'23" | 9 ^m 51 | 14 ^h 41 | 12 ^h 40 | 11 ^h 21 | 5 ^h 25 | 10 ^h 56 | 12 ^h 57 | 25 ^h 33 | 5 ^h 4 | 24 ^h 12 | 24 ^h 6 | 9 ^h 49 | 24 ^h 15 | S 10 |
| M 11 | 11 51 53 | 29 ^h 53'44" | 22 ^m 1 | 16 ^h 21 | 13 ^h 36 | 11 ^h 40 | 5 ^h 28 | 10 ^h 57 | 13 ^h 0 | 25 ^h 34 | 5 ^h 4 | 24 ^h 12 | 24 ^h 3 | 9 ^h 56 | 24 ^h 15 | M 11 |
| T 12 | 11 55 49 | 0 ^h 53'03" | 4 ^m 26 | 17 ^h 57 | 14 ^h 33 | 12 ^h 0 | 5 ^h 32 | 10 ^h 58 | 13 ^h 3 | 25 ^h 36 | 5 ^h 4 | 24 ^h 13 | 23 ^h 59 | 10 ^h 3 | 24 ^h 14 | T 12 |
| W 13 | 11 59 46 | 1 ^h 52'20" | 17 ^m 9 | 19 ^h 29 | 15 ^h 31 | 12 ^h 21 | 5 ^h 36 | 10 ^h 59 | 13 ^h 7 | 25 ^h 37 | 5 ^h 3 | 24 ^h 13 | 23 ^h 56 | 10 ^h 9 | 24 ^h 14 | W 13 |
| T 14 | 12 3 42 | 2 ^h 51'35" | 0 ^m 13 | 20 ^h 55 | 16 ^h 29 | 12 ^h 42 | 5 ^h 40 | 11 ^h 0 | 13 ^h 10 | 25 ^h 38 | 5 ^h 3 | 24 ^h 14 | 23 ^h 53 | 10 ^h 16 | 24 ^h 14 | T 14 |
| F 15 | 12 7 39 | 3 ^h 50'49" | 13 ^m 39 | 22 ^h 17 | 17 ^h 27 | 13 ^h 3 | 5 ^h 45 | 11 ^h 2 | 13 ^h 13 | 25 ^h 39 | 5 ^h 2 | 24 ^h 15 | 23 ^h 50 | 10 ^h 23 | 24 ^h 13 | F 15 |
| S 16 | 12 11 35 | 4 ^h 50'00" | 27 ^m 26 | 23 ^h 32 | 18 ^h 26 | 13 ^h 24 | 5 ^h 49 | 11 ^h 3 | 13 ^h 16 | 25 ^h 40 | 5 ^h 2 | 24 ^h R15 | 23 ^h 47 | 10 ^h 29 | 24 ^h 13 | S 16 |
| S 17 | 12 15 32 | 5 ^h 49'09" | 11 ^m 32 | 24 ^h 43 | 19 ^h 25 | 13 ^h 46 | 5 ^h 54 | 11 ^h 5 | 13 ^h 20 | 25 ^h 41 | 5 ^h 1 | 24 ^h 14 | 23 ^h 44 | 10 ^h 36 | 24 ^h D13 | S 17 |
| M 18 | 12 19 29 | 6 ^h 48'16" | 25 ^m 54 | 25 ^h 47 | 20 ^h 24 | 14 ^h 8 | 5 ^h 59 | 11 ^h 6 | 13 ^h 23 | 25 ^h 42 | 5 ^h 0 | 24 ^h 13 | 23 ^h 40 | 10 ^h 43 | 24 ^h 13 | M 18 |
| T 19 | 12 23 25 | 7 ^h 47'21" | 10 ^m 52 | 26 ^h 44 | 21 ^h 24 | 14 ^h 30 | 6 ^h 4 | 11 ^h 8 | 13 ^h 26 | 25 ^h 43 | 5 ^h 0 | 24 ^h 12 | 23 ^h 37 | 10 ^h 50 | 24 ^h 13 | T 19 |
| W 20 | 12 27 22 | 8 ^h 46'24" | 24 ^m 59 | 27 ^h 36 | 22 ^h 24 | 14 ^h 53 | 6 ^h 9 | 11 ^h 10 | 13 ^h 29 | 25 ^h 44 | 4 ^h 59 | 24 ^h 10 | 23 ^h 34 | 10 ^h 56 | 24 ^h 14 | W 20 |
| T 21 | 12 31 18 | 9 ^h 45'25" | 9 ^m 11 | 28 ^h 21 | 23 ^h 25 | 15 ^h 16 | 6 ^h 14 | 11 ^h 12 | 13 ^h 32 | 25 ^h 45 | 4 ^h 58 | 24 ^h 8 | 23 ^h 31 | 11 ^h 3 | 24 ^h 14 | T 21 |
| F 22 | 12 35 15 | 10 ^h 44'23" | 23 ^m 56 | 28 ^h 59 | 24 ^h 26 | 15 ^h 39 | 6 ^h 19 | 11 ^h 14 | 13 ^h 36 | 25 ^h 46 | 4 ^h 58 | 24 ^h 7 | 23 ^h 28 | 11 ^h 10 | 24 ^h 15 | F 22 |
| S 23 | 12 39 11 | 11 ^h 43'19" | 8 ^m 51 | 29 ^h 31 | 25 ^h 27 | 16 ^h 3 | 6 ^h 25 | 11 ^h 16 | 13 ^h 39 | 25 ^h 47 | 4 ^h 57 | 24 ^h D 6 | 23 ^h 24 | 11 ^h 16 | 24 ^h 15 | S 23 |
| S 24 | 12 43 8 | 12 ^h 42'13" | 22 ^m 10 | 29 ^h 56 | 26 ^h 28 | 16 ^h 26 | 6 ^h 31 | 11 ^h 18 | 13 ^h 42 | 25 ^h 48 | 4 ^h 56 | 24 ^h 7 | 23 ^h 21 | 11 ^h 23 | 24 ^h 16 | S 24 |
| M 25 | 12 47 4 | 13 ^h 41'04" | 5 ^m 56 | 0 ^h 14 | 27 ^h 30 | 16 ^h 51 | 6 ^h 37 | 11 ^h 20 | 13 ^h 45 | 25 ^h 49 | 4 ^h 55 | 24 ^h 8 | 23 ^h 18 | 11 ^h 30 | 24 ^h 17 | M 25 |
| T 26 | 12 51 1 | 14 ^h 39'53" | 19 ^m 28 | 0 ^h 26 | 28 ^h 32 | 17 ^h 15 | 6 ^h 43 | 11 ^h 23 | 13 ^h 48 | 25 ^h 49 | 4 ^h 54 | 24 ^h 9 | 23 ^h 15 | 11 ^h 37 | 24 ^h 18 | T 26 |
| W 27 | 12 54 58 | 15 ^h 38'40" | 2 ^m 45 | 0 ^h R31 | 29 ^h 34 | 17 ^h 39 | 6 ^h 49 | 11 ^h 25 | 13 ^h 51 | 25 ^h 50 | 4 ^h 53 | 24 ^h 10 | 23 ^h 12 | 11 ^h 43 | 24 ^h 19 | W 27 |
| T 28 | 12 58 54 | 16 ^h 37'24" | 15 ^m 49 | 0 ^h 30 | 0 ^h 37 | 18 ^h 4 | 6 ^h 56 | 11 ^h 28 | 13 ^h 54 | 25 ^h 51 | 4 ^h 53 | 24 ^h 11 | 23 ^h 9 | 11 ^h 50 | 24 ^h 20 | T 28 |
| F 29 | 13 2 51 | 17 ^h 36'07" | 28 ^m 41 | 0 ^h 22 | 1 ^h 40 | 18 ^h 29 | 7 ^h 2 | 11 ^h 31 | 13 ^h 57 | 25 ^h 52 | 4 ^h 52 | 24 ^h R11 | 23 ^h 5 | 11 ^h 57 | 24 ^h 21 | F 29 |
| S 30 | 13 6 47 | 18 ^h 34'47" | 11 ^m 42 | 0 ^h 9 | 2 ^h 43 | 18 ^h 54 | 7 ^h 9 | 11 ^h 34 | 14 ^h 0 | 25 ^h 52 | 4 ^h 51 | 24 ^h 10 | 23 ^h 2 | 12 ^h 4 | 24 ^h 22 | S 30 |
| S 31 | 13 10 44 | 19 ^h 33'25" | 23 ^m 48 | 29 ^h 50 | 3 ^h 46 | 19 ^h 20 | 7 ^h 56 | 11 ^h 36 | 14 ^h 3 | 25 ^h 53 | 4 ^h 50 | 24 ^h 8 | 22 ^h 59 | 12 ^h 10 | 24 ^h 24 | S 31 |

Delta T = 282.58 sec

Julian Calendar 1 March 1504 == Greg. Calendar 11 March 1504

APRIL 1504 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|-----|----------|----------|-------|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|-------|-----|
| M 1 | 13 14 40 | 20°32'01 | 6m 5 | 29°R27 | 4h50 | 19°46 | 7°23 | 11°39 | 14h 6 | 25°53 | 4°R49 | 24°R 5 | 22h56 | 12°17 | 24°25 | M 1 |
| T 2 | 13 18 37 | 21°30'36 | 18°13 | 28°59 | 5°54 | 20°12 | 7°30 | 11°43 | 14° 9 | 25°54 | 4°48 | 24h 0 | 22°53 | 12°24 | 24°27 | T 2 |
| W 3 | 13 22 33 | 22°29'08 | 0h14 | 28°26 | 6°58 | 20°38 | 7°37 | 11°46 | 14°12 | 25°55 | 4°46 | 23°55 | 22°49 | 12°30 | 24°29 | W 3 |
| T 4 | 13 26 30 | 23°27'39 | 12° 9 | 27°51 | 8° 2 | 21° 4 | 7°45 | 11°49 | 14°15 | 25°55 | 4°45 | 23°50 | 22°46 | 12°37 | 24°31 | T 4 |
| F 5 | 13 30 27 | 24°26'08 | 24° 2 | 27°13 | 9° 7 | 21°31 | 7°52 | 11°53 | 14°17 | 25°56 | 4°44 | 23°46 | 22°43 | 12°44 | 24°33 | F 5 |
| S 6 | 13 34 23 | 25°24'36 | 5h55 | 26°34 | 10°11 | 21°58 | 8° 0 | 11°56 | 14°20 | 25°56 | 4°43 | 23°43 | 22°40 | 12°51 | 24°35 | S 6 |
| S 7 | 13 38 20 | 26°23'02 | 17°53 | 25°53 | 11°16 | 22°24 | 8° 7 | 12° 0 | 14°23 | 25°56 | 4°42 | 23°41 | 22°37 | 12°57 | 24°37 | S 7 |
| M 8 | 13 42 16 | 27°21'26 | 0h 1 | 25°12 | 12°21 | 22°52 | 8°15 | 12° 3 | 14°26 | 25°57 | 4°41 | 23°D41 | 22°34 | 13° 4 | 24°39 | M 8 |
| T 9 | 13 46 13 | 28°19'49 | 12°23 | 24°31 | 13°27 | 23°19 | 8°23 | 12° 7 | 14°28 | 25°57 | 4°40 | 23°42 | 22°30 | 13°11 | 24°41 | T 9 |
| W10 | 13 50 9 | 29°18'10 | 25° 4 | 23°51 | 14°32 | 23°47 | 8°32 | 12°11 | 14°31 | 25°57 | 4°38 | 23°43 | 22°27 | 13°17 | 24°44 | W10 |
| T11 | 13 54 6 | 0h16'29 | 8h 8 | 23°14 | 15°38 | 24°14 | 8°40 | 12°15 | 14°34 | 25°58 | 4°37 | 23°45 | 22°24 | 13°24 | 24°46 | T11 |
| F12 | 13 58 2 | 1°14'47 | 21°37 | 22°39 | 16°44 | 24°42 | 8°48 | 12°19 | 14°36 | 25°58 | 4°36 | 23°R46 | 22°21 | 13°31 | 24°49 | F12 |
| S13 | 14 1 59 | 2°13'03 | 5°32 | 22° 6 | 17°50 | 25°10 | 8°57 | 12°23 | 14°39 | 25°58 | 4°35 | 23°45 | 22°18 | 13°38 | 24°51 | S13 |
| S14 | 14 5 55 | 3°11'18 | 19°53 | 21°37 | 18°56 | 25°39 | 9° 6 | 12°28 | 14°42 | 25°58 | 4°33 | 23°43 | 22°15 | 13°44 | 24°54 | S14 |
| M15 | 14 9 52 | 4° 9'30 | 4h35 | 21°12 | 20° 2 | 26° 7 | 9°14 | 12°32 | 14°44 | 25°58 | 4°32 | 23°39 | 22°11 | 13°51 | 24°57 | M15 |
| T16 | 14 13 49 | 5° 7'42 | 19°30 | 20°51 | 21° 9 | 26°36 | 9°23 | 12°36 | 14°47 | 25°58 | 4°31 | 23°33 | 22° 8 | 13°58 | 25° 0 | T16 |
| W17 | 14 17 45 | 6° 5'51 | 4h30 | 20°35 | 22°15 | 27° 4 | 9°32 | 12°41 | 14°49 | 25°58 | 4°29 | 23°27 | 22° 5 | 14° 5 | 25° 3 | W17 |
| T18 | 14 21 42 | 7° 3'59 | 19°27 | 20°23 | 23°22 | 27°33 | 9°41 | 12°45 | 14°51 | 25°59 | 4°28 | 23°21 | 22° 2 | 14°11 | 25° 6 | T18 |
| F19 | 14 25 38 | 8° 2'05 | 4h11 | 20°15 | 24°29 | 28° 3 | 9°51 | 12°50 | 14°54 | 25°R59 | 4°26 | 23°15 | 21°59 | 14°18 | 25°10 | F19 |
| S20 | 14 29 35 | 9° 0'08 | 18°37 | 20°D13 | 25°36 | 28°32 | 10° 0 | 12°55 | 14°56 | 25°59 | 4°25 | 23°12 | 21°55 | 14°25 | 25°13 | S20 |
| S21 | 14 33 31 | 9°58'10 | 2h42 | 20°15 | 26°43 | 29° 1 | 10° 9 | 13° 0 | 14°58 | 25°58 | 4°24 | 23°10 | 21°52 | 14°31 | 25°16 | S21 |
| M22 | 14 37 28 | 10°56'10 | 16°24 | 20°22 | 27°50 | 29°31 | 10°19 | 13° 5 | 15° 1 | 25°58 | 4°22 | 23°D10 | 21°49 | 14°38 | 25°20 | M22 |
| T23 | 14 41 25 | 11°54'08 | 29°46 | 20°33 | 28°57 | 0h 1 | 10°29 | 13°10 | 15° 3 | 25°58 | 4°21 | 23°11 | 21°46 | 14°45 | 25°23 | T23 |
| W24 | 14 45 21 | 12°52'04 | 12h48 | 20°49 | 0°30 | 10°38 | 13°15 | 15° 5 | 25°58 | 4°19 | 23°12 | 21°43 | 14°52 | 15°27 | 25°27 | W24 |
| T25 | 14 49 18 | 13°49'58 | 25°35 | 21° 9 | 1°12 | 1° 0 | 10°48 | 13°20 | 15° 7 | 25°58 | 4°18 | 23°R12 | 21°40 | 14°58 | 25°31 | T25 |
| F26 | 14 53 14 | 14°47'50 | 8h 8 | 21°34 | 2°20 | 1°31 | 10°58 | 13°25 | 15° 9 | 25°58 | 4°16 | 23°11 | 21°36 | 15° 5 | 25°35 | F26 |
| S27 | 14 57 11 | 15°45'41 | 20°30 | 22° 3 | 3°28 | 2° 1 | 11° 8 | 13°30 | 15°12 | 25°57 | 4°15 | 23° 8 | 21°33 | 15°12 | 25°39 | S27 |
| S28 | 15 1 7 | 16°43'30 | 2m43 | 22°36 | 4°36 | 2°31 | 11°18 | 13°36 | 15°14 | 25°57 | 4°13 | 23° 2 | 21°30 | 15°18 | 25°43 | S28 |
| M29 | 15 5 4 | 17°41'18 | 14°50 | 23°14 | 5°44 | 3° 2 | 11°29 | 13°41 | 15°16 | 25°57 | 4°12 | 22°54 | 21°27 | 15°25 | 25°47 | M29 |
| T30 | 15 9 0 | 18°39'04 | 26m50 | 23°54 | 6°32 | 3h32 | 11°39 | 13°46 | 15h18 | 25°56 | 4h10 | 22h44 | 21h24 | 15h32 | 25°51 | T30 |

ASTRODIENST EPHEMERIS for the year 1504

geocentric

MAY 1504 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|-------|------|
| W 1 | 15 12 57 | 19°36'49 | 8°47' | 24°39' | 8°0' | 4°3 | 11°49 | 13°52 | 15°19 | 25°R56 | 4°R 9 | 22°R34 | 21°21 | 15°39 | 25°55 | W 1 |
| T 2 | 15 16 54 | 20°34'33 | 20°40 | 25°27 | 9° 8 | 4°34 | 12° 0 | 13°58 | 15°21 | 25°56 | 4° 7 | 22°23 | 21°17 | 15°45 | 26° 0 | T 2 |
| F 3 | 15 20 50 | 21°32'15 | 2°32 | 26°19 | 10°17 | 5° 5 | 12°10 | 14° 3 | 15°23 | 25°55 | 4° 5 | 22°13 | 21°14 | 15°52 | 26° 4 | F 3 |
| S 4 | 15 24 47 | 22°29'56 | 14°26 | 27°14 | 11°25 | 5°36 | 12°21 | 14° 9 | 15°25 | 25°55 | 4° 4 | 22° 5 | 21°11 | 15°59 | 26° 9 | S 4 |
| S 5 | 15 28 43 | 23°27'36 | 26°24 | 28°12 | 12°34 | 6° 7 | 12°32 | 14°15 | 15°27 | 25°54 | 4° 2 | 21°59 | 21° 8 | 16° 6 | 26°13 | S 5 |
| M 6 | 15 32 40 | 24°25'15 | 8°30 | 29°14 | 13°43 | 6°39 | 12°43 | 14°21 | 15°28 | 25°54 | 4° 1 | 21°56 | 21° 5 | 16°12 | 26°18 | M 6 |
| T 7 | 15 36 36 | 25°22'53 | 20°50 | 0°18 | 14°51 | 7°10 | 12°54 | 14°27 | 15°30 | 25°53 | 3°59 | 21°D54 | 21° 1 | 16°19 | 26°23 | T 7 |
| W 8 | 15 40 33 | 26°20'30 | 3°27 | 1°26 | 16° 0 | 7°42 | 13° 5 | 14°33 | 15°32 | 25°52 | 3°57 | 21°54 | 20°58 | 16°26 | 26°27 | W 8 |
| T 9 | 15 44 29 | 27°18'06 | 16°26 | 2°36 | 17° 9 | 8°14 | 13°16 | 14°39 | 15°33 | 25°52 | 3°56 | 21°R55 | 20°55 | 16°32 | 26°32 | T 9 |
| F 10 | 15 48 26 | 28°15'41 | 29°50 | 3°50 | 18°18 | 8°46 | 13°27 | 14°45 | 15°35 | 25°51 | 3°54 | 21°55 | 20°52 | 16°39 | 26°37 | F 10 |
| S 11 | 15 52 23 | 29°13'15 | 13°44 | 5° 6 | 19°27 | 9°17 | 13°38 | 14°51 | 15°36 | 25°51 | 3°53 | 21°53 | 20°49 | 16°46 | 26°42 | S 11 |
| S 12 | 15 56 19 | 0°10'48 | 28° 6 | 6°25 | 20°37 | 9°50 | 13°49 | 14°57 | 15°38 | 25°50 | 3°51 | 21°49 | 20°46 | 16°53 | 26°47 | S 12 |
| M13 | 16 0 16 | 1° 8'20 | 12°53 | 7°46 | 21°46 | 10°22 | 14° 1 | 15° 4 | 15°39 | 25°49 | 3°49 | 21°42 | 20°42 | 16°59 | 26°53 | M13 |
| T 14 | 16 4 12 | 2° 5'51 | 28° 0 | 9°10 | 22°55 | 10°54 | 14°12 | 15°10 | 15°41 | 25°48 | 3°48 | 21°34 | 20°39 | 17° 6 | 26°58 | T 14 |
| W15 | 16 8 9 | 3° 3'22 | 13°16 | 10°37 | 24° 5 | 11°26 | 14°24 | 15°17 | 15°42 | 25°47 | 3°46 | 21°24 | 20°36 | 17°13 | 27° 3 | W15 |
| T 16 | 16 12 5 | 4° 0'51 | 28°30 | 12° 7 | 25°14 | 11°59 | 14°35 | 15°23 | 15°43 | 25°47 | 3°44 | 21°14 | 20°33 | 17°20 | 27° 9 | T 16 |
| F 17 | 16 16 2 | 4°58'19 | 13°32 | 13°39 | 26°24 | 12°31 | 14°47 | 15°30 | 15°44 | 25°46 | 3°43 | 21° 5 | 20°30 | 17°26 | 27°14 | F 17 |
| S 18 | 16 19 58 | 5°55'47 | 28°13 | 15°13 | 27°33 | 13° 4 | 14°59 | 15°36 | 15°46 | 25°45 | 3°41 | 20°58 | 20°27 | 17°33 | 27°19 | S 18 |
| S 19 | 16 23 55 | 6°53'12 | 12°28 | 16°51 | 28°43 | 13°37 | 15°10 | 15°43 | 15°47 | 25°44 | 3°40 | 20°54 | 20°23 | 17°40 | 27°25 | S 19 |
| M20 | 16 27 52 | 7°50'37 | 26°16 | 18°30 | 29°53 | 14°10 | 15°22 | 15°49 | 15°48 | 25°43 | 3°38 | 20°52 | 20°20 | 17°46 | 27°31 | M20 |
| T 21 | 16 31 48 | 8°48'00 | 9°37 | 20°13 | 1° 3 | 14°43 | 15°34 | 15°56 | 15°49 | 25°42 | 3°36 | 20°D52 | 20°17 | 17°53 | 27°36 | T 21 |
| W22 | 16 35 45 | 9°45'22 | 22°35 | 21°58 | 2°12 | 15°16 | 15°46 | 16° 3 | 15°50 | 25°41 | 3°35 | 20°R52 | 20°14 | 18° 0 | 27°42 | W22 |
| T 23 | 16 39 41 | 10°42'43 | 5°14 | 23°45 | 3°22 | 15°49 | 15°58 | 16°10 | 15°51 | 25°40 | 3°33 | 20°51 | 20°11 | 18° 7 | 27°48 | T 23 |
| F 24 | 16 43 38 | 11°40'03 | 17°37 | 25°35 | 4°32 | 16°22 | 16°10 | 16°17 | 15°52 | 25°39 | 3°31 | 20°49 | 20° 7 | 18°13 | 27°54 | F 24 |
| S 25 | 16 47 34 | 12°37'22 | 29°49 | 27°27 | 5°42 | 16°56 | 16°22 | 16°24 | 15°53 | 25°38 | 3°30 | 20°44 | 20° 4 | 18°20 | 28° 0 | S 25 |
| S 26 | 16 51 31 | 13°34'40 | 11°52 | 29°22 | 6°52 | 17°29 | 16°34 | 16°30 | 15°53 | 25°37 | 3°28 | 20°36 | 20° 1 | 18°27 | 28° 6 | S 26 |
| M27 | 16 55 27 | 14°31'57 | 23°50 | 1°19 | 8° 3 | 18° 3 | 16°47 | 16°37 | 15°54 | 25°36 | 3°27 | 20°26 | 19°58 | 18°33 | 28°12 | M27 |
| T 28 | 16 59 24 | 15°29'14 | 5°45 | 3°18 | 9°13 | 18°36 | 16°59 | 16°44 | 15°55 | 25°35 | 3°25 | 20°13 | 19°55 | 18°40 | 28°18 | T 28 |
| W29 | 17 3 21 | 16°26'30 | 17°38 | 5°19 | 10°23 | 19°10 | 17°11 | 16°52 | 15°56 | 25°34 | 3°24 | 20° 0 | 19°52 | 18°47 | 28°24 | W29 |
| T 30 | 17 7 17 | 17°23'45 | 29°31 | 7°23 | 11°33 | 19°44 | 17°24 | 16°59 | 15°56 | 25°32 | 3°22 | 19°46 | 19°48 | 18°54 | 28°30 | T 30 |
| F 31 | 17 11 14 | 18°21'00 | 11°25 | 9°28 | 12°44 | 20°17 | 17°36 | 17° 6 | 15°57 | 25°31 | 3°20 | 19°33 | 19°45 | 19° 0 | 28°36 | F 31 |

Delta T = 282.21 sec

Julian Calendar 1 May 1504 == Greg. Calendar 11 May 1504

JUNE 1504 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|-------|-------|-------|---------|-------|--------|--------|-------|--------|-------|-------|-------|------|
| S 1 | 17 15 10 | 19°18'15 | 23°22 | 11°34 | 13°54 | 20°51 | 17°49 | 17°13 | 15°57 | 25°R30 | 3°R19 | 19°R22 | 19°42 | 19° 7 | 28°43 | S 1 |
| S 2 | 17 19 7 | 20°15'29 | 5°23 | 13°43 | 15° 5 | 21°25 | 18° 1 | 17°20 | 15°58 | 25°29 | 3°17 | 19°14 | 19°39 | 19°14 | 28°49 | S 2 |
| M 3 | 17 23 3 | 21°12'42 | 17°33 | 15°52 | 16°15 | 22° 0 | 18°14 | 17°27 | 15°58 | 25°28 | 3°16 | 19° 9 | 19°36 | 19°21 | 28°55 | M 3 |
| T 4 | 17 27 0 | 22° 9'56 | 29°54 | 18° 2 | 17°26 | 22°34 | 18°26 | 17°35 | 15°59 | 25°26 | 3°14 | 19° 6 | 19°33 | 19°27 | 29° 2 | T 4 |
| W 5 | 17 30 56 | 23° 7'09 | 12°30 | 20°13 | 18°37 | 23° 8 | 18°39 | 17°42 | 15°59 | 25°25 | 3°13 | 19° 5 | 19°29 | 19°34 | 29° 8 | W 5 |
| T 6 | 17 34 53 | 24° 4'22 | 25°26 | 22°25 | 19°47 | 23°42 | 18°52 | 17°49 | 15°59 | 25°24 | 3°11 | 19° 5 | 19°26 | 19°41 | 29°15 | T 6 |
| F 7 | 17 38 50 | 25° 1'35 | 8°45 | 24°36 | 20°58 | 24°17 | 19° 4 | 17°57 | 15°59 | 25°22 | 3°10 | 19° 5 | 19°23 | 19°47 | 29°22 | F 7 |
| S 8 | 17 42 46 | 25°58'48 | 22°31 | 26°47 | 22° 9 | 24°51 | 19°17 | 18° 4 | 16° 0 | 25°21 | 3° 8 | 19° 3 | 19°20 | 19°54 | 29°28 | S 8 |
| S 9 | 17 46 43 | 26°56'01 | 6°45 | 28°58 | 23°20 | 25°26 | 19°30 | 18°12 | 16° 0 | 25°20 | 3° 7 | 18°59 | 19°17 | 20° 1 | 29°35 | S 9 |
| M10 | 17 50 39 | 27°53'14 | 21°26 | 19° 8 | 24°31 | 26° 0 | 19°43 | 18°19 | 16° 0 | 25°18 | 3° 5 | 18°52 | 19°13 | 20° 8 | 29°42 | M10 |
| T 11 | 17 54 36 | 28°50'27 | 6°28 | 3°18 | 25°42 | 26°35 | 19°55 | 18°27 | 16°R 0 | 25°17 | 3° 4 | 18°43 | 19°10 | 20°14 | 29°48 | T 11 |
| W12 | 17 58 32 | 29°47'40 | 21°44 | 5°26 | 26°53 | 27°10 | 20° 8 | 18°34 | 16° 0 | 25°15 | 3° 3 | 18°33 | 19° 7 | 20°21 | 29°55 | W12 |
| T 13 | 18 2 29 | 0°44'54 | 7° 1 | 7°33 | 28° 4 | 27°45 | 20°21 | 18°42 | 16° 0 | 25°14 | 3° 1 | 18°23 | 19° 4 | 20°28 | 0° 2 | T 13 |
| F 14 | 18 6 26 | 1°42'06 | 22°10 | 9°38 | 29°15 | 28°20 | 20°34 | 18°49 | 16° 0 | 25°13 | 3° 0 | 18°13 | 19° 1 | 20°35 | 0° 9 | F 14 |
| S 15 | 18 10 22 | 2°39'19 | 7° 0 | 11°42 | 0°26 | 28°55 | 20°47 | 18°57 | 15°59 | 25°11 | 2°58 | 18° 6 | 18°58 | 20°41 | 0°16 | S 15 |
| S 16 | 18 14 19 | 3°36'31 | 21°24 | 13°44 | 1°37 | 29°30 | 21° 0 | 19° 4 | 15°59 | 25°10 | 2°57 | 18° 1 | 18°54 | 20°48 | 0°23 | S 16 |
| M17 | 18 18 15 | 4°33'43 | 5°19 | 15°44 | 2°49 | 0°19 | 5 21°13 | 19°12 | 15°59 | 25° 8 | 2°56 | 17°59 | 18°51 | 20°55 | 0°30 | M17 |
| T 18 | 18 22 12 | 5°30'55 | 18°46 | 17°43 | 4° 0 | 0°41 | 21°26 | 19°20 | 15°59 | 25° 7 | 2°54 | 17°D58 | 18°48 | 21° 1 | 0°37 | T 18 |
| W19 | 18 26 8 | 6°28'06 | 1°46 | 19°39 | 5°11 | 1°16 | 21°39 | 19°27 | 15°58 | 25° 5 | 2°53 | 17°R59 | 18°45 | 21° 8 | 0°44 | W19 |
| T 20 | 18 30 5 | 7°25'17 | 14°25 | 21°34 | 6°23 | 1°51 | 21°53 | 19°35 | 15°58 | 25° 4 | 2°52 | 17°59 | 18°42 | 21°15 | 0°51 | T 20 |
| F 21 | 18 34 1 | 8°22'28 | 26°46 | 23°27 | 7°34 | 2°27 | 22° 6 | 19°43 | 15°58 | 25° 2 | 2°51 | 17°57 | 18°39 | 21°22 | 0°58 | F 21 |
| S 22 | 18 37 58 | 9°19'39 | 8°53 | 25°18 | 8°46 | 3° 2 | 22°19 | 19°50 | 15°57 | 25° 0 | 2°49 | 17°53 | 18°35 | 21°28 | 1° 5 | S 22 |
| S 23 | 18 41 55 | 10°16'50 | 20°53 | 27° 7 | 9°57 | 3°38 | 22°32 | 19°58 | 15°56 | 24°59 | 2°48 | 17°47 | 18°32 | 21°35 | 1°12 | S 23 |
| M24 | 18 45 51 | 11°14'01 | 2°47 | 28°54 | 11° 9 | 4°14 | 22°45 | 20° 6 | 15°56 | 24°57 | 2°47 | 17°39 | 18°29 | 21°42 | 1°19 | M24 |
| T 25 | 18 49 48 | 12°11'12 | 14°39 | 0°39 | 12°20 | 4°49 | 22°58 | 20°13 | 15°55 | 24°56 | 2°46 | 17°28 | 18°26 | 21°49 | 1°27 | T 25 |
| W26 | 18 53 44 | 13° 8'23 | 26°32 | 2°22 | 13°32 | 5°25 | 23°12 | 20°21 | 15°55 | 24°54 | 2°45 | 17°16 | 18°23 | 21°55 | 1°34 | W26 |
| T 27 | 18 57 41 | 14° 5'35 | 8°27 | 4° 3 | 14°44 | 6° 1 | 23°25 | 20°29 | 15°54 | 24°53 | 2°44 | 17° 5 | 18°19 | 22° 2 | 1°41 | T 27 |
| F 28 | 19 1 37 | 15° 2'47 | 20°25 | 5°42 | 15°55 | 6°37 | 23°38 | 20°37 | 15°53 | 24°51 | 2°43 | 16°54 | 18°16 | 22° 9 | 1°48 | F 28 |
| S 29 | 19 5 34 | 15°59'59 | 2°29 | 7°19 | 17° 7 | 7°13 | 23°51 | 20°44 | 15°52 | 24°49 | 2°41 | 16°45 | 18°13 | 22°15 | 1°56 | S 29 |
| S 30 | 19 9 30 | 16°57'11 | 14°40 | 8°54 | 18°19 | 7°49 | 24° 5 | 20°52 | 15°51 | 24°48 | 2°40 | 16°38 | 18°10 | 22°22 | 2° 3 | S 30 |

Delta T = 282.02 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1504

geocentric

JULY 1504 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day | |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|--------|-------|-----|
| M 1 | 19 13 27 | 17°54'24 | 26°58'58 | 10°27'19 | 19°11'31 | 8°27'25 | 24°58'18 | 21°58'00 | 15°R51 | 24°R46 | 2°R39 | 16°R34 | 18°R7 | 22°R29 | 2°R10 | M 1 | |
| T 2 | 19 17 24 | 18°51'38 | 9°R28 | 11°58'20 | 20°43'09 | 9°1'24 | 24°31'21 | 21°8'15 | 15°R50 | 24°R45 | 2°R38 | 16°R32 | 18°R4 | 22°R36 | 2°R18 | T 2 | |
| W 3 | 19 21 20 | 19°48'52 | 22°11'13 | 13°27'21 | 21°55'09 | 9°38'24 | 24°44'21 | 21°16'15 | 15°49'24 | 24°43'02 | 2°37'16 | 16°D32 | 18°R0 | 22°R42 | 2°R25 | W 3 | |
| T 4 | 19 25 17 | 20°46'07 | 5°Y10 | 14°55'23 | 7°10'14 | 10°14'24 | 24°58'21 | 21°23'15 | 15°48'24 | 24°41'02 | 2°36'16 | 16°R33 | 17°57'22 | 22°R49 | 2°R33 | T 4 | |
| F 5 | 19 29 13 | 21°43'23 | 18°28'16 | 16°20'24 | 19°10'51 | 25°11'21 | 21°31'15 | 15°46'24 | 24°40'02 | 2°36'16 | 16°R33 | 17°54'22 | 22°R56 | 2°R40 | F 5 | | |
| S 6 | 19 33 10 | 22°40'40 | 2°R9 | 17°43'25 | 31'11 | 27°25'24 | 21°39'15 | 15°45'24 | 24°38'02 | 2°35'16 | 16°R33 | 17°51'23 | 23°R2 | 2°R48 | S 6 | | |
| S 7 | 19 37 6 | 23°37'58 | 16°14'19 | 4°26'12 | 4°26'12 | 25°38'21 | 21°47'15 | 15°44'24 | 24°37'02 | 2°34'16 | 16°31'17 | 17°48'23 | 23°R9 | 2°R55 | S 7 | | |
| M 8 | 19 41 3 | 24°35'16 | 0°II41 | 20°23'27 | 56'12 | 40°25'51 | 21°54'15 | 15°43'24 | 24°35'02 | 2°33'16 | 16°27'17 | 17°45'23 | 23°R16 | 3°R2 | M 8 | | |
| T 9 | 19 44 59 | 25°32'36 | 15°27'21 | 39'29 | 8°13'17 | 26°2'22 | 22°2'15 | 15°42'24 | 24°33'02 | 2°32'16 | 16°21'17 | 17°41'23 | 23°R23 | 3°R10 | T 9 | | |
| W10 | 19 48 56 | 26°29'57 | 0°R28 | 22°54'00 | 20°13'54 | 26°18'22 | 21°10'15 | 15°40'24 | 24°32'02 | 2°31'16 | 16°14'17 | 17°38'23 | 23°R29 | 3°R17 | W10 | | |
| T 11 | 19 52 53 | 27°27'19 | 15°32'24 | 6°1'33 | 14°31'26 | 31'22 | 22°18'15 | 15°39'24 | 24°30'02 | 2°31'16 | 16°6'17 | 17°35'23 | 23°R36 | 3°R25 | T 11 | | |
| F 12 | 19 56 49 | 28°24'41 | 0°R32 | 25°16'02 | 2°45'15 | 7°26'44 | 22°26'15 | 15°38'24 | 24°28'02 | 2°30'16 | 16°0'17 | 17°32'23 | 23°R43 | 3°R33 | F 12 | | |
| S 13 | 20 0 46 | 29°22'04 | 15°18'26 | 23'3 | 58'15 | 44°26'58 | 22°33'15 | 15°36'24 | 24°27'02 | 2°29'15 | 15°55'17 | 23°R29 | 23°R50 | 3°R40 | S 13 | | |
| S 14 | 20 4 42 | 0°R19 | 28'29 | 27°28'5 | 10°16'21 | 27°11'22 | 15°35'24 | 24°25'02 | 2°29'15 | 15°52'17 | 23°R56 | 23°R56 | 3°R48 | S 14 | | | |
| M15 | 20 8 39 | 1°16'52 | 13°R41 | 28°30'6 | 23'16 | 58°27'24 | 22°49'15 | 15°33'24 | 24°24'02 | 2°28'15 | 15°D51 | 17°22'24 | 24°R3 | 3°R55 | M15 | | |
| T 16 | 20 12 35 | 2°14'17 | 27°12'29 | 30'7 | 35'17 | 36°27'37 | 22°57'15 | 15°32'24 | 24°22'02 | 2°27'15 | 15°51'17 | 17°19'24 | 24°R10 | 4°R3 | T 16 | | |
| W17 | 20 16 32 | 3°11'43 | 10°R17 | 0°R26 | 8°48'18 | 13'27 | 27°51'23 | 4°15'30 | 24°20'02 | 2°27'15 | 15°52'17 | 17°16'41 | 24°R16 | 4°R10 | W17 | | |
| T 18 | 20 20 28 | 4°9'10 | 22°59'1 | 20°10'1 | 1°18'50 | 28°4'23 | 15°29'24 | 24°19'02 | 2°26'15 | 15°54'17 | 17°13'24 | 24°23'02 | 4°R18 | T 18 | | | |
| F 19 | 20 24 25 | 5°6'37 | 5°R22 | 2°10'11 | 13'19 | 27°19'28 | 17°23'20 | 15°27'24 | 24°17'02 | 2°26'15 | 15°R54 | 17°10'24 | 24°R30 | 4°R25 | F 19 | | |
| S 20 | 20 28 22 | 6°4'05 | 17°31'2 | 57'12 | 26°20'5 | 28°30'23 | 15°25'24 | 24°16'02 | 2°25'15 | 15°53'17 | 17°6'24 | 24°37'02 | 4°R33 | S 20 | | | |
| S 21 | 20 32 18 | 7°1'34 | 29°30'3 | 41'13 | 39°20 | 42°28'44 | 23°35'15 | 15°24'24 | 24°14'02 | 2°25'15 | 15°51'17 | 17°3'24 | 24°R43 | 4°R40 | S 21 | | |
| M22 | 20 36 15 | 7°59'03 | 11°R24 | 4°21'14 | 52'21 | 20°28'57 | 23°43'15 | 15°22'24 | 24°12'02 | 2°24'15 | 15°47'17 | 17°0'24 | 24°R50 | 4°R48 | M22 | | |
| T 23 | 20 40 11 | 8°56'34 | 23°16'4 | 57'16 | 5°21'57 | 29°10'23 | 15°20'24 | 24°11'02 | 2°24'15 | 15°42'16 | 16°57'24 | 24°57'02 | 4°R56 | T 23 | | | |
| W24 | 20 44 8 | 9°54'05 | 5°R10 | 5°30'17 | 18°23'35 | 29°23'23 | 15°18'24 | 24°9'02 | 2°23'15 | 15°35'16 | 16°54'25 | 25°R4 | 5°R3 | W24 | | | |
| T 25 | 20 48 4 | 10°51'38 | 17°9'5 | 58'18 | 31'23 | 13°29'37 | 24°5'15 | 15°17'24 | 24°8'02 | 2°23'15 | 15°29'16 | 16°51'25 | 25°R10 | 5°R11 | T 25 | | |
| F 26 | 20 52 1 | 11°49'11 | 29°15'6 | 21'19 | 44°23'51 | 29°50'24 | 15°15'24 | 24°6'02 | 2°23'15 | 15°23'16 | 16°47'25 | 25°R17 | 5°R18 | F 26 | | | |
| S 27 | 20 55 58 | 12°46'46 | 11°R29 | 6°40'20 | 57°24'28 | 0°R3 | 15°13'24 | 24°5'02 | 2°23'15 | 15°19'16 | 16°44'25 | 25°R24 | 5°R26 | S 27 | | | |
| S 28 | 20 59 54 | 13°44'21 | 23°53'6 | 54'22 | 10°25'6 | 0°16'24 | 15°11'24 | 24°3'02 | 2°22'15 | 15°15'16 | 16°41'25 | 25°R30 | 5°R33 | S 28 | | | |
| M29 | 21 3 51 | 14°41'59 | 6°R27 | 7°3'23 | 23°25'44 | 0°29'24 | 15°9'24 | 24°2'02 | 2°22'15 | 15°14'16 | 16°38'25 | 25°R37 | 5°R41 | M29 | | | |
| T 30 | 21 7 47 | 15°39'37 | 19°13'7 | R7 | 24°36'26 | 22°0'42 | 15°7'24 | 24°0'02 | 2°22'15 | 15°D13 | 16°35'25 | 25°R44 | 5°R48 | T 30 | | | |
| W31 | 21 11 44 | 16°R37 | 17'2 | Y11 | 7°R5 | 25°R50 | 27°R0 | 0°R55 | 24°R50 | 15°R5 | 23°R59 | 2°R22 | 15°R14 | 16°R31 | 25°R51 | 5°R56 | W31 |

Delta T = 281.84 sec

Julian Calendar 1 July 1504 == Greg. Calendar 11 July 1504

AUGUST 1504 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|--------|-------|-------|------|-------|--------|--------|-------|--------|-------|-------|------|------|-----|
| T 1 | 21 15 40 | 17♂34'58 | 15♂23 | 6°R58 | 27♂3 | 27♂39 | 1♂8 | 24♂58 | 15°R 3 | 23°R57 | 2°R22 | 15♂16 | 16♂28 | 25♂57 | 6♂3 | T 1 | |
| F 2 | 21 19 37 | 18°32'41 | 28°51 | 6♂45 | 28°16 | 28°17 | 1°21 | 25°5 | 15♂1 | 23♂56 | 2♂22 | 15°17 | 16°25 | 26°4 | 6°11 | F 2 | |
| S 3 | 21 23 33 | 19°30'26 | 12♂34 | 6°27 | 29°30 | 28°55 | 1°34 | 25°13 | 14°59 | 23°54 | 2°22 | 15°18 | 16°22 | 26°11 | 6°18 | S 3 | |
| S 4 | 21 27 30 | 20°28'12 | 26°34 | 6°2 | 0♂43 | 29°33 | 1°47 | 25°20 | 14°57 | 23°53 | 2°D22 | 15°R18 | 16°19 | 26°17 | 6°26 | S 4 | |
| M 5 | 21 31 26 | 21°26'01 | 10♂49 | 5°32 | 1°56 | 0♂12 | 2°0 | 25°27 | 14°55 | 23°51 | 2°22 | 15°17 | 16°16 | 26°24 | 6°33 | M 5 | |
| T 6 | 21 35 23 | 22°23'51 | 25°17 | 4°57 | 3°10 | 0°50 | 2°13 | 25°34 | 14°52 | 23°50 | 2°22 | 15°15 | 16°12 | 26°31 | 6°41 | T 6 | |
| W 7 | 21 39 20 | 23°21'43 | 9♂54 | 4°17 | 4°24 | 1°29 | 2°26 | 25°42 | 14°50 | 23°49 | 2°22 | 15°12 | 16°9 | 26°38 | 6°48 | W 7 | |
| T 8 | 21 43 16 | 24°19'36 | 24°35 | 3°32 | 5°37 | 2°7 | 2°38 | 25°49 | 14°48 | 23°47 | 2°22 | 15°10 | 16°6 | 26°44 | 6°56 | T 8 | |
| F 9 | 21 47 13 | 25°17'31 | 9♂13 | 2°43 | 6°51 | 2°46 | 2°51 | 25°56 | 14°46 | 23°46 | 2°22 | 15°7 | 16°3 | 26°51 | 7°3 | F 9 | |
| S 10 | 21 51 9 | 26°15'28 | 23°40 | 1°51 | 8°4 | 3°25 | 3°4 | 26°3 | 14°44 | 23°45 | 2°22 | 15°5 | 16°0 | 26°58 | 7°10 | S 10 | |
| S 11 | 21 55 6 | 27°13'26 | 7♂52 | 0°57 | 9°18 | 4°4 | 3°17 | 26°10 | 14°41 | 23°43 | 2°22 | 15°4 | 15°57 | 27°5 | 7°18 | S 11 | |
| M12 | 21 59 2 | 28°11'26 | 21°44 | 0°2 | 10°32 | 4°42 | 3°29 | 26°17 | 14°39 | 23°42 | 2°23 | 15°D 4 | 15°53 | 27°11 | 7°25 | M12 | |
| T 13 | 22 2 59 | 29°9'27 | 5♂13 | 29♂6 | 11°46 | 5°21 | 3°42 | 26°24 | 14°37 | 23°41 | 2°23 | 15°5 | 15°50 | 27°18 | 7°32 | T 13 | |
| W14 | 22 6 55 | 0♂7'30 | 18°19 | 28°11 | 13°0 | 6°0 | 3°55 | 26°31 | 14°35 | 23°40 | 2°23 | 15°6 | 15°47 | 27°25 | 7°40 | W14 | |
| T 15 | 22 10 52 | 1°5'34 | 1♂4 | 27°19 | 14°13 | 6°39 | 4°7 | 26°38 | 14°32 | 23°38 | 2°24 | 15°7 | 15°44 | 27°31 | 7°47 | T 15 | |
| F 16 | 22 14 49 | 2°3'40 | 13°30 | 26°29 | 15°27 | 7°18 | 4°20 | 26°45 | 14°30 | 23°37 | 2°24 | 15°8 | 15°41 | 27°38 | 7°54 | F 16 | |
| S 17 | 22 18 45 | 3°1'47 | 25°41 | 25°45 | 16°41 | 7°58 | 4°32 | 26°52 | 14°28 | 23°36 | 2°24 | 15°9 | 15°37 | 27°45 | 8°1 | S 17 | |
| S 18 | 22 22 42 | 3°59'55 | 7♂41 | 25°6 | 17°55 | 8°37 | 4°44 | 26°58 | 14°25 | 23°35 | 2°25 | 15°R 9 | 15°34 | 27°52 | 8°8 | S 18 | |
| M19 | 22 26 38 | 4°58'05 | 19°35 | 24°33 | 19°9 | 9°16 | 4°57 | 27°5 | 14°23 | 23°34 | 2°25 | 15°9 | 15°31 | 27°58 | 8°15 | M19 | |
| T 20 | 22 30 35 | 5°56'17 | 1♂29 | 24°8 | 20°23 | 9°55 | 5°9 | 27°12 | 14°21 | 23°33 | 2°26 | 15°8 | 15°28 | 28°5 | 8°23 | T 20 | |
| W21 | 22 34 31 | 6°54'30 | 13°24 | 23°50 | 21°37 | 10°35 | 5°21 | 27°18 | 14°18 | 23°32 | 2°26 | 15°7 | 15°25 | 28°12 | 8°30 | W21 | |
| T 22 | 22 38 28 | 7°52'45 | 25°27 | 23°42 | 22°52 | 11°14 | 5°33 | 27°25 | 14°16 | 23°31 | 2°27 | 15°6 | 15°22 | 28°18 | 8°37 | T 22 | |
| F 23 | 22 42 25 | 8°51'01 | 7♂39 | 23°D42 | 24°6 | 11°54 | 5°46 | 27°32 | 14°13 | 23°30 | 2°28 | 15°5 | 15°18 | 28°25 | 8°44 | F 23 | |
| S 24 | 22 46 21 | 9°49'19 | 20°4 | 23°51 | 25°20 | 12°33 | 5°58 | 27°38 | 14°11 | 23°29 | 2°28 | 15°4 | 15°15 | 28°32 | 8°51 | S 24 | |
| S 25 | 22 50 18 | 10°47'38 | 2♂42 | 24°9 | 26°34 | 13°13 | 6°10 | 27°44 | 14°9 | 23°28 | 2°29 | 15°4 | 15°12 | 28°39 | 8°58 | S 25 | |
| M26 | 22 54 14 | 11°46'00 | 15°35 | 24°36 | 27°48 | 13°53 | 6°22 | 27°51 | 14°6 | 23°27 | 2°30 | 15°D 4 | 15°9 | 28°45 | 9°4 | M26 | |
| T 27 | 22 58 11 | 12°44'23 | 28°43 | 25°11 | 29°3 | 14°32 | 6°34 | 27°57 | 14°4 | 23°26 | 2°30 | 15°4 | 15°6 | 28°52 | 9°11 | T 27 | |
| W28 | 23 2 7 | 13°42'48 | 12♂5 | 25°55 | 0♂17 | 15°12 | 6°45 | 28°3 | 14°1 | 23°25 | 2°31 | 15°4 | 15°2 | 28°59 | 9°18 | W28 | |
| T 29 | 23 6 4 | 14°41'15 | 25°40 | 26°48 | 1°31 | 15°52 | 6°57 | 28°10 | 13°59 | 23°24 | 2°32 | 15°R 4 | 14°59 | 29°5 | 9°25 | T 29 | |
| F 30 | 23 10 0 | 15°39'45 | 9♂27 | 27°48 | 2°46 | 16°32 | 7°9 | 28°16 | 13°57 | 23°23 | 2°33 | 15°4 | 14°56 | 29°12 | 9°32 | F 30 | |
| S 31 | 23 13 57 | 16♂38'16 | 23♂23 | 28♂55 | 4♂0 | 17♂12 | 7♂21 | 28♂22 | 13♂54 | 23♂22 | 2♂34 | 15♂4 | 14♂53 | 29♂19 | 9♂28 | S 31 | |

ASTRODIENST EPHEMERIS for the year 1504

geocentric

SEPTEMBER 1504 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|-------|-------|-------|-------|-------|--------|--------|------|--------|--------|-------|-------|------|
| S 1 | 23 17 53 | 17♏36'50 | 7♏28 | 0♏8 | 5♏15 | 17♏52 | 7♏32 | 28♏28 | 13°R52 | 23°R21 | 2♏35 | 15°R 4 | 14♏50 | 29♏26 | 9♏45 | S 1 |
| M 2 | 23 21 50 | 18°35'26 | 21°39 | 1°28 | 6°29 | 18°32 | 7°44 | 28°34 | 13°K49 | 23°Z21 | 2°36 | 15°D 4 | 14°47 | 29°32 | 9°51 | M 2 |
| T 3 | 23 25 47 | 19°34'05 | 5♏54 | 2°52 | 7°44 | 19°12 | 7°55 | 28°40 | 13°47 | 23°20 | 2°37 | 15°K 4 | 14°43 | 29°39 | 9°58 | T 3 |
| W 4 | 23 29 43 | 20°32'46 | 20°10 | 4°22 | 8°58 | 19°53 | 8° 7 | 28°45 | 13°45 | 23°19 | 2°38 | 15° 4 | 14°40 | 29°46 | 10° 5 | W 4 |
| T 5 | 23 33 40 | 21°31'28 | 4♏25 | 5°55 | 10°13 | 20°33 | 8°18 | 28°51 | 13°42 | 23°19 | 2°39 | 15° 5 | 14°37 | 29°53 | 10°11 | T 5 |
| F 6 | 23 37 36 | 22°30'13 | 18°34 | 7°32 | 11°27 | 21°13 | 8°29 | 28°57 | 13°40 | 23°18 | 2°40 | 15° 5 | 14°34 | 29°59 | 10°17 | F 6 |
| S 7 | 23 41 33 | 23°29'01 | 2♏35 | 9°11 | 12°42 | 21°54 | 8°40 | 29° 2 | 13°37 | 23°17 | 2°41 | 15° 6 | 14°31 | 0♏6 | 10°24 | S 7 |
| S 8 | 23 45 29 | 24°27'50 | 16°24 | 10°54 | 13°57 | 22°34 | 8°51 | 29° 8 | 13°35 | 23°17 | 2°42 | 15°R 6 | 14°28 | 0°13 | 10°30 | S 8 |
| M 9 | 23 49 26 | 25°26'41 | 29°59 | 12°38 | 15°11 | 23°15 | 9° 2 | 29°13 | 13°33 | 23°16 | 2°43 | 15° 6 | 14°24 | 0°19 | 10°36 | M 9 |
| T 10 | 23 53 22 | 26°25'34 | 13♏16 | 14°23 | 16°26 | 23°55 | 9°13 | 29°19 | 13°30 | 23°16 | 2°44 | 15° 5 | 14°21 | 0°26 | 10°43 | T 10 |
| W11 | 23 57 19 | 27°24'30 | 26°16 | 16°10 | 17°41 | 24°36 | 9°24 | 29°24 | 13°28 | 23°15 | 2°45 | 15° 4 | 14°18 | 0°33 | 10°49 | W11 |
| T 12 | 0 1 16 | 28°23'27 | 8♏58 | 17°58 | 18°56 | 25°17 | 9°35 | 29°29 | 13°26 | 23°15 | 2°47 | 15° 2 | 14°15 | 0°40 | 10°55 | T 12 |
| F 13 | 0 5 12 | 29°22'26 | 21°23 | 19°46 | 20°10 | 25°58 | 9°45 | 29°35 | 13°23 | 23°14 | 2°48 | 15° 0 | 14°12 | 0°46 | 11° 1 | F 13 |
| S 14 | 0 9 9 | 0♏21'27 | 3♏34 | 21°34 | 21°25 | 26°39 | 9°56 | 29°40 | 13°21 | 23°14 | 2°49 | 14°58 | 14° 8 | 0°53 | 11° 7 | S 14 |
| S 15 | 0 13 5 | 1°20'30 | 15°35 | 23°22 | 22°40 | 27°20 | 10° 7 | 29°45 | 13°19 | 23°13 | 2°51 | 14°56 | 14° 5 | 1° 0 | 11°13 | S 15 |
| M16 | 0 17 2 | 2°19'34 | 27°30 | 25°11 | 23°55 | 28° 1 | 10°17 | 29°50 | 13°17 | 23°13 | 2°52 | 14°D56 | 14° 2 | 1° 6 | 11°18 | M16 |
| T 17 | 0 20 58 | 3°18'40 | 9♏22 | 26°59 | 25°10 | 28°42 | 10°27 | 29°55 | 13°14 | 23°13 | 2°53 | 14°56 | 13°59 | 1°13 | 11°24 | T 17 |
| W18 | 0 24 55 | 4°17'49 | 21°18 | 28°47 | 26°25 | 29°23 | 10°37 | 29°59 | 13°12 | 23°13 | 2°55 | 14°56 | 13°56 | 1°20 | 11°30 | W18 |
| T 19 | 0 28 51 | 5°16'59 | 3♏21 | 0♏34 | 27°40 | 0♏4 | 10°48 | 0♏4 | 13°10 | 23°12 | 2°56 | 14°58 | 13°53 | 1°27 | 11°36 | T 19 |
| F 20 | 0 32 48 | 6°16'10 | 15°36 | 2°21 | 28°54 | 0°45 | 10°58 | 0° 9 | 13° 8 | 23°12 | 2°58 | 14°59 | 13°49 | 1°33 | 11°41 | F 20 |
| S 21 | 0 36 45 | 7°15'24 | 28° 6 | 4° 7 | 0♏9 | 1°26 | 11° 7 | 0°13 | 13° 6 | 23°12 | 2°59 | 15° 1 | 13°46 | 1°40 | 11°47 | S 21 |
| S 22 | 0 40 41 | 8°14'39 | 10♏56 | 5°52 | 1°24 | 2° 8 | 11°17 | 0°18 | 13° 4 | 23°12 | 3° 1 | 15°R 2 | 13°43 | 1°47 | 11°52 | S 22 |
| M23 | 0 44 38 | 9°13'56 | 24° 5 | 7°37 | 2°39 | 2°49 | 11°27 | 0°22 | 13° 2 | 23°12 | 3° 2 | 15° 1 | 13°40 | 1°53 | 11°58 | M23 |
| T 24 | 0 48 34 | 10°13'16 | 7°Y35 | 9°21 | 3°54 | 3°31 | 11°37 | 0°26 | 13° 0 | 23°12 | 3° 4 | 15° 0 | 13°37 | 2° 0 | 12° 3 | T 24 |
| W25 | 0 52 31 | 11°12'37 | 21°23 | 11° 5 | 5° 9 | 4°12 | 11°46 | 0°30 | 12°57 | 23°12 | 3° 5 | 14°57 | 13°34 | 2° 7 | 12° 8 | W25 |
| T 26 | 0 56 27 | 12°12'00 | 5♏26 | 12°48 | 6°24 | 4°54 | 11°55 | 0°34 | 12°55 | 23°D12 | 3° 7 | 14°54 | 13°30 | 2°14 | 12°13 | T 26 |
| F 27 | 1 0 24 | 13°11'26 | 19°41 | 14°30 | 7°39 | 5°36 | 12° 5 | 0°38 | 12°54 | 23°12 | 3° 9 | 14°49 | 13°27 | 2°20 | 12°18 | F 27 |
| S 28 | 1 4 20 | 14°10'54 | 4♏2 | 16°11 | 8°55 | 6°17 | 12°14 | 0°42 | 12°52 | 23°12 | 3°10 | 14°45 | 13°24 | 2°27 | 12°23 | S 28 |
| S 29 | 1 8 17 | 15°10'24 | 18°24 | 17°52 | 10°10 | 6°59 | 12°23 | 0°46 | 12°50 | 23°12 | 3°12 | 14°42 | 13°21 | 2°34 | 12°28 | S 29 |
| M30 | 1 12 14 | 16♏9'57 | 2♏43 | 19♏32 | 11♏25 | 7♏41 | 12♏32 | 0♏50 | 12°K48 | 23°Z12 | 3♏14 | 14°K40 | 13°K18 | 2♏40 | 12♏33 | M30 |

Delta T = 281.47 sec

Julian Calendar 1 Sept. 1504 == Greg. Calendar 11 Sept. 1504

OCTOBER 1504 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|-------|-------|-------|-------|-------|------|--------|--------|------|--------|--------|------|-------|------|
| T 1 | 1 16 10 | 17♏9'32 | 16♏55 | 21♏11 | 12♏40 | 8♏23 | 12♏41 | 0♏54 | 12°R46 | 23°Z12 | 3♏16 | 14°D39 | 13°K14 | 2♏47 | 12♏38 | T 1 |
| W 2 | 1 20 7 | 18° 9'10 | 1♏0 | 22°50 | 13°55 | 9° 5 | 12°49 | 0°57 | 12°K44 | 23°12 | 3°17 | 14°K40 | 13°11 | 2°54 | 12°43 | W 2 |
| T 3 | 1 24 3 | 19° 8'49 | 14°54 | 24°28 | 15°10 | 9°47 | 12°58 | 1° 1 | 12°42 | 23°12 | 3°19 | 14°41 | 13° 8 | 3° 1 | 12°47 | T 3 |
| F 4 | 1 28 0 | 20° 8'31 | 28°39 | 26° 5 | 16°25 | 10°29 | 13° 7 | 1° 4 | 12°40 | 23°13 | 3°21 | 14°43 | 13° 5 | 3° 7 | 12°52 | F 4 |
| S 5 | 1 31 56 | 21° 8'15 | 12♏13 | 27°42 | 17°41 | 11°11 | 13°15 | 1° 7 | 12°39 | 23°13 | 3°23 | 14°R43 | 13° 2 | 3°14 | 12°56 | S 5 |
| S 6 | 1 35 53 | 22° 8'01 | 25°36 | 29°18 | 18°56 | 11°53 | 13°23 | 1°10 | 12°37 | 23°13 | 3°25 | 14°43 | 12°59 | 3°21 | 13° 1 | S 6 |
| M 7 | 1 39 49 | 23° 7'50 | 8♏47 | 0♏54 | 20°11 | 12°36 | 13°31 | 1°13 | 12°35 | 23°14 | 3°26 | 14°41 | 12°55 | 3°27 | 13° 5 | M 7 |
| T 8 | 1 43 46 | 24° 7'40 | 21°46 | 2°29 | 21°26 | 13°18 | 13°39 | 1°16 | 12°34 | 23°14 | 3°28 | 14°36 | 12°52 | 3°34 | 13° 9 | T 8 |
| W 9 | 1 47 43 | 25° 7'33 | 4♏32 | 4° 4 | 22°41 | 14° 0 | 13°47 | 1°19 | 12°32 | 23°15 | 3°30 | 14°30 | 12°49 | 3°41 | 13°13 | W 9 |
| T 10 | 1 51 39 | 26° 7'27 | 17° 4 | 5°38 | 23°57 | 14°43 | 13°55 | 1°22 | 12°31 | 23°15 | 3°32 | 14°22 | 12°46 | 3°48 | 13°18 | T 10 |
| F 11 | 1 55 36 | 27° 7'23 | 29°24 | 7°11 | 25°12 | 15°25 | 14° 2 | 1°25 | 12°29 | 23°15 | 3°34 | 14°14 | 12°43 | 3°54 | 13°21 | F 11 |
| S 12 | 1 59 32 | 28° 7'22 | 11♏32 | 8°44 | 26°27 | 16° 8 | 14°10 | 1°27 | 12°28 | 23°16 | 3°36 | 14° 6 | 12°39 | 4° 1 | 13°25 | S 12 |
| S 13 | 2 3 29 | 29° 7'21 | 23°32 | 10°17 | 27°43 | 16°51 | 14°17 | 1°30 | 12°26 | 23°17 | 3°38 | 14° 0 | 12°36 | 4° 8 | 13°29 | S 13 |
| M14 | 2 7 25 | 0♏7'23 | 5♏24 | 11°49 | 28°58 | 17°33 | 14°24 | 1°32 | 12°25 | 23°17 | 3°40 | 13°54 | 12°33 | 4°14 | 13°33 | M14 |
| T 15 | 2 11 22 | 1° 7'26 | 17°15 | 13°21 | 0♏13 | 18°16 | 14°31 | 1°34 | 12°23 | 23°18 | 3°42 | 13°51 | 12°30 | 4°21 | 13°36 | T 15 |
| W16 | 2 15 18 | 2° 7'31 | 29° 8 | 14°52 | 1°28 | 18°59 | 14°38 | 1°36 | 12°22 | 23°18 | 3°44 | 13°D50 | 12°27 | 4°28 | 13°40 | W16 |
| T 17 | 2 19 15 | 3° 7'38 | 11♏8 | 16°23 | 2°44 | 19°42 | 14°45 | 1°38 | 12°21 | 23°19 | 3°46 | 13°50 | 12°24 | 4°35 | 13°43 | T 17 |
| F 18 | 2 23 12 | 4° 7'46 | 23°21 | 17°53 | 3°59 | 20°25 | 14°51 | 1°40 | 12°20 | 23°20 | 3°48 | 13°51 | 12°20 | 4°41 | 13°47 | F 18 |
| S 19 | 2 27 8 | 5° 7'55 | 5♏51 | 19°23 | 5°14 | 21° 8 | 14°58 | 1°42 | 12°18 | 23°21 | 3°51 | 13°52 | 12°17 | 4°48 | 13°50 | S 19 |
| S 20 | 2 31 5 | 6° 8'06 | 18°43 | 20°52 | 6°30 | 21°51 | 15° 4 | 1°44 | 12°17 | 23°21 | 3°53 | 13°R53 | 12°14 | 4°55 | 13°53 | S 20 |
| M21 | 2 35 1 | 7° 8'19 | 2°Y 0 | 22°21 | 7°45 | 22°34 | 15°10 | 1°45 | 12°16 | 23°22 | 3°55 | 13°51 | 12°11 | 5° 1 | 13°56 | M21 |
| T 22 | 2 38 58 | 8° 8'33 | 15°43 | 23°49 | 9° 0 | 23°17 | 15°16 | 1°47 | 12°15 | 23°23 | 3°57 | 13°47 | 12° 8 | 5° 8 | 13°59 | T 22 |
| W23 | 2 42 54 | 9° 8'49 | 29°51 | 25°17 | 10°16 | 24° 0 | 15°22 | 1°48 | 12°14 | 23°24 | 3°59 | 13°41 | 12° 5 | 5°15 | 14° 2 | W23 |
| T 24 | 2 46 51 | 10° 9'07 | 14♏20 | 26°44 | 11°31 | 24°44 | 15°27 | 1°49 | 12°13 | 23°25 | 4° 1 | 13°33 | 12° 1 | 5°22 | 14° 5 | T 24 |
| F 25 | 2 50 47 | 11° 9'26 | 29° 3 | 28°11 | 12°46 | 25°27 | 15°33 | 1°50 | 12°12 | 23°26 | 4° 3 | 13°23 | 11°58 | 5°28 | 14° 7 | F 25 |
| S 26 | 2 54 44 | 12° 9'48 | 13♏53 | 29°37 | 14° 2 | 26°10 | 15°38 | 1°51 | 12°11 | 23°27 | 4° 6 | 13°14 | 11°55 | 5°35 | 14°10 | S 26 |
| S 27 | 2 58 41 | 13°10'11 | 28°40 | 1♏3 | 15°17 | 26°54 | 15°43 | 1°52 | 12°11 | 23°28 | 4° 8 | 13° 6 | 11°52 | 5°42 | 14°12 | S 27 |
| M28 | 3 2 37 | 14°10'36 | 13♏18 | 2°28 | 16°32 | 27°37 | 15°48 | 1°53 | 12°10 | 23°29 | 4°10 | 13° 0 | 11°49 | 5°48 | 14°15 | M28 |
| T 29 | 3 6 34 | 15°11'03 | 27°42 | 3°52 | 17°48 | 28°21 | 15°53 | 1°54 | 12° 9 | 23°30 | 4°12 | 12°56 | 11°45 | 5°55 | 14°17 | T 29 |
| W30 | 3 10 30 | 16°11'32 | 11♏48 | 5°15 | 19° 3 | 29° 4 | 15°58 | 1°54 | 12° 8 | 23°31 | 4°14 | 12°D55 | 11°42 | 6° 2 | 14°19 | W30 |
| T 31 | 3 14 27 | 17♏12'03 | 25♏35 | 6♏37 | 20♏18 | 29♏48 | 16♏2 | 1♏55 | 12°K 8 | 23°Z32 | 4♏17 | 12°K55 | 11°K39 | 6♏9 | 14♏21 | T 31 |

Delta T = 281.29 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1504
geocentric

NOVEMBER 1504 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|-----|---------|------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|--------------------|----------------------|---------------------|--------------------|----------------------|---------------------|--------------------|---------------------|-----|
| F 1 | 3 18 23 | 18 ¹¹ 12'35 | 9 ¹¹ 6 | 7 ¹¹ 59 | 21 ¹¹ 34 | 0 ¹¹ 32 | 16 ¹¹ 6 | 1 ¹¹ 55 | 12 ¹¹ R 7 | 23 ¹¹ 34 | 4 ¹¹ 19 | 12 ¹¹ R56 | 11 ¹¹ 36 | 6 ¹¹ 15 | 14 ¹¹ 23 | F 1 |
| S 2 | 3 22 20 | 19°13'10 | 22°20 | 9°19 | 22°49 | 1°16 | 16°11 | 1°55 | 12 ¹¹ 7 | 23°35 | 4°21 | 12 ¹¹ 55 | 11°33 | 6°22 | 14°25 | S 2 |
| S 3 | 3 26 16 | 20°13'46 | 5 ¹¹ 22 | 10°38 | 24° 5 | 2° 0 | 16°14 | 1°56 | 12° 6 | 23°36 | 4°23 | 12°53 | 11°30 | 6°29 | 14°26 | S 3 |
| M 4 | 3 30 13 | 21°14'24 | 18°11 | 11°55 | 25°20 | 2°44 | 16°18 | 1°R56 | 12° 6 | 23°37 | 4°26 | 12°48 | 11°26 | 6°35 | 14°28 | M 4 |
| T 5 | 3 34 10 | 22°15'03 | 0 ¹¹ 50 | 13°11 | 26°35 | 3°28 | 16°22 | 1°55 | 12° 5 | 23°38 | 4°28 | 12°40 | 11°23 | 6°42 | 14°29 | T 5 |
| W 6 | 3 38 6 | 23°15'44 | 13°19 | 14°25 | 27°51 | 4°12 | 16°25 | 1°55 | 12° 5 | 23°40 | 4°30 | 12°29 | 11°20 | 6°49 | 14°31 | W 6 |
| T 7 | 3 42 3 | 24°16'27 | 25°38 | 15°37 | 29° 6 | 4°56 | 16°29 | 1°55 | 12° 5 | 23°41 | 4°33 | 12°17 | 11°17 | 6°56 | 14°32 | T 7 |
| F 8 | 3 45 59 | 25°17'11 | 7 ¹¹ 49 | 16°46 | 0 ¹¹ 22 | 5°40 | 16°32 | 1°54 | 12° 5 | 23°43 | 4°35 | 12° 3 | 11°14 | 7° 2 | 14°33 | F 8 |
| S 9 | 3 49 56 | 26°17'56 | 19°52 | 17°52 | 1°37 | 6°24 | 16°34 | 1°54 | 12° 4 | 23°44 | 4°37 | 11°49 | 11°11 | 7° 9 | 14°34 | S 9 |
| S10 | 3 53 52 | 27°18'43 | 1 ¹¹ 47 | 18°56 | 2°52 | 7° 8 | 16°37 | 1°53 | 12° 4 | 23°45 | 4°40 | 11°36 | 11° 7 | 7°16 | 14°35 | S10 |
| M11 | 3 57 49 | 28°19'31 | 13°38 | 19°55 | 4° 8 | 7°53 | 16°40 | 1°52 | 12° 4 | 23°47 | 4°42 | 11°26 | 11° 4 | 7°22 | 14°36 | M11 |
| T12 | 4 1 45 | 29°20'19 | 25°27 | 20°51 | 5°23 | 8°37 | 16°42 | 1°52 | 12°D 4 | 23°48 | 4°44 | 11°18 | 11° 1 | 7°29 | 14°37 | T12 |
| W13 | 4 5 42 | 0 ¹¹ 21'09 | 7 ¹¹ 17 | 21°42 | 6°39 | 9°21 | 16°44 | 1°51 | 12° 4 | 23°50 | 4°47 | 11°14 | 10°58 | 7°36 | 14°37 | W13 |
| T14 | 4 9 39 | 1°22'00 | 19°14 | 22°27 | 7°54 | 10° 6 | 16°46 | 1°49 | 12° 4 | 23°51 | 4°49 | 11°12 | 10°55 | 7°42 | 14°38 | T14 |
| F15 | 4 13 35 | 2°22'51 | 1 ¹¹ 22 | 23° 6 | 9° 9 | 10°50 | 16°48 | 1°48 | 12° 5 | 23°53 | 4°51 | 11°D11 | 10°51 | 7°49 | 14°38 | F15 |
| S16 | 4 17 32 | 3°23'44 | 13°47 | 23°39 | 10°25 | 11°35 | 16°49 | 1°47 | 12° 5 | 23°55 | 4°54 | 11°R11 | 10°48 | 7°56 | 14°39 | S16 |
| S17 | 4 21 28 | 4°24'37 | 26°34 | 24° 4 | 11°40 | 12°20 | 16°51 | 1°45 | 12° 5 | 23°56 | 4°56 | 11°10 | 10°45 | 8° 3 | 14°39 | S17 |
| M18 | 4 25 25 | 5°25'31 | 9 ¹¹ 48 | 24°20 | 12°56 | 13° 4 | 16°52 | 1°44 | 12° 5 | 23°58 | 4°58 | 11° 8 | 10°42 | 8° 9 | 14°R39 | M18 |
| T19 | 4 29 21 | 6°26'26 | 23°31 | 24°R27 | 14°11 | 13°49 | 16°53 | 1°42 | 12° 6 | 23°59 | 5° 1 | 11° 3 | 10°39 | 8°16 | 14°39 | T19 |
| W20 | 4 33 18 | 7°27'22 | 7 ¹¹ 45 | 24°24 | 15°26 | 14°34 | 16°53 | 1°40 | 12° 6 | 24° 1 | 5° 3 | 10°55 | 10°36 | 8°23 | 14°39 | W20 |
| T21 | 4 37 14 | 8°28'18 | 22°25 | 24°10 | 16°42 | 15°19 | 16°54 | 1°39 | 12° 6 | 24° 3 | 5° 5 | 10°45 | 10°32 | 8°29 | 14°38 | T21 |
| F22 | 4 41 11 | 9°29'16 | 7 ¹¹ 26 | 23°45 | 17°57 | 16° 4 | 16°54 | 1°37 | 12° 7 | 24° 5 | 5° 7 | 10°33 | 10°29 | 8°36 | 14°38 | F22 |
| S23 | 4 45 8 | 10°30'14 | 22°37 | 23° 9 | 19°12 | 16°48 | 16°R55 | 1°34 | 12° 7 | 24° 6 | 5°10 | 10°21 | 10°26 | 8°43 | 14°38 | S23 |
| S24 | 4 49 4 | 11°31'13 | 7 ¹¹ 49 | 22°21 | 20°28 | 17°33 | 16°55 | 1°32 | 12° 8 | 24° 8 | 5°12 | 10°11 | 10°23 | 8°50 | 14°37 | S24 |
| M25 | 4 53 1 | 12°32'14 | 22°50 | 21°23 | 21°43 | 18°18 | 16°54 | 1°30 | 12° 9 | 24°10 | 5°14 | 10° 3 | 10°20 | 8°56 | 14°36 | M25 |
| T26 | 4 56 57 | 13°33'15 | 7 ¹¹ 33 | 20°15 | 22°58 | 19° 4 | 16°54 | 1°28 | 12° 9 | 24°12 | 5°17 | 9°57 | 10°17 | 9° 3 | 14°36 | T26 |
| W27 | 5 0 54 | 14°34'18 | 21°52 | 19° 0 | 24°14 | 19°49 | 16°53 | 1°25 | 12°10 | 24°14 | 5°19 | 9°54 | 10°13 | 9°10 | 14°35 | W27 |
| T28 | 5 4 50 | 15°35'21 | 5 ¹¹ 47 | 17°40 | 25°29 | 20°34 | 16°53 | 1°23 | 12°11 | 24°15 | 5°21 | 9°54 | 10°10 | 9°16 | 14°34 | T28 |
| F29 | 5 8 47 | 16°36'25 | 19°17 | 16°17 | 26°45 | 21°19 | 16°52 | 1°20 | 12°12 | 24°17 | 5°24 | 9°54 | 10° 7 | 9°23 | 14°32 | F29 |
| S30 | 5 12 43 | 17°37'30 | 2 ¹¹ 25 | 14°54 | 28° 0 | 22° 4 | 16°50 | 1°17 | 12°13 | 24°19 | 5°26 | 9°53 | 10° 4 | 9°30 | 14°31 | S30 |

Delta T = 281.10 sec

Julian Calendar 1 Nov. 1504 == Greg. Calendar 11 Nov. 1504

DECEMBER 1504 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|-----|---------|------------------------|---------------------|--------|-------|--------|--------|-------|-------|-------|------|-------|------|-------|--------|-----|
| S 1 | 5 16 40 | 18 ¹¹ 38'37 | 15 ¹¹ 16 | 13°R35 | 29°15 | 22°150 | 16°R49 | 1°R14 | 12°14 | 24°21 | 5°28 | 9°R51 | 10°1 | 9°37 | 14°R30 | S 1 |
| M 2 | 5 20 37 | 19°39'44 | 27°51 | 12°21 | 0°31 | 23°35 | 16°147 | 1°11 | 12°15 | 24°23 | 5°31 | 9°45 | 9°57 | 9°43 | 14°28 | M 2 |
| T 3 | 5 24 33 | 20°40'51 | 10 ¹¹ 15 | 11°15 | 1°46 | 24°21 | 16°46 | 1° 8 | 12°16 | 24°25 | 5°33 | 9°37 | 9°54 | 9°50 | 14°27 | T 3 |
| W 4 | 5 28 30 | 21°42'00 | 22°30 | 10°17 | 3° 1 | 25° 6 | 16°44 | 1° 5 | 12°17 | 24°27 | 5°35 | 9°26 | 9°51 | 9°57 | 14°25 | W 4 |
| T 5 | 5 32 26 | 22°43'09 | 4 ¹¹ 37 | 9°31 | 4°17 | 25°52 | 16°41 | 1° 2 | 12°18 | 24°29 | 5°37 | 9°13 | 9°48 | 10° 3 | 14°24 | T 5 |
| F 6 | 5 36 23 | 23°44'19 | 16°38 | 8°54 | 5°32 | 26°37 | 16°39 | 0°58 | 12°19 | 24°31 | 5°40 | 8°58 | 9°45 | 10°10 | 14°22 | F 6 |
| S 7 | 5 40 19 | 24°45'29 | 28°34 | 8°29 | 6°47 | 27°23 | 16°37 | 0°55 | 12°21 | 24°33 | 5°42 | 8°44 | 9°42 | 10°17 | 14°20 | S 7 |
| S 8 | 5 44 16 | 25°46'40 | 10°36 | 8°14 | 8° 3 | 28° 8 | 16°34 | 0°52 | 12°22 | 24°35 | 5°44 | 8°31 | 9°38 | 10°23 | 14°18 | S 8 |
| M 9 | 5 48 13 | 26°47'51 | 22°15 | 8°D10 | 9°18 | 28°54 | 16°31 | 0°48 | 12°23 | 24°37 | 5°46 | 8°20 | 9°35 | 10°30 | 14°16 | M 9 |
| T10 | 5 52 9 | 27°49'02 | 4 ¹¹ 5 | 8°14 | 10°33 | 29°40 | 16°28 | 0°44 | 12°25 | 24°39 | 5°49 | 8°11 | 9°32 | 10°37 | 14°13 | T10 |
| W11 | 5 56 6 | 28°50'13 | 15°56 | 8°28 | 11°49 | 0°26 | 16°24 | 0°41 | 12°26 | 24°41 | 5°51 | 8° 6 | 9°29 | 10°44 | 14°11 | W11 |
| T12 | 6 0 2 | 29°51'24 | 27°54 | 8°50 | 13° 4 | 1°11 | 16°21 | 0°37 | 12°28 | 24°43 | 5°53 | 8° 4 | 9°26 | 10°50 | 14° 8 | T12 |
| F13 | 6 3 59 | 0°52'35 | 10°1 | 9°19 | 14°19 | 1°57 | 16°17 | 0°33 | 12°29 | 24°46 | 5°55 | 8°D 3 | 9°23 | 10°57 | 14° 6 | F13 |
| S14 | 6 7 55 | 1°53'46 | 22°22 | 9°54 | 15°35 | 2°43 | 16°13 | 0°29 | 12°31 | 24°48 | 5°57 | 8° 4 | 9°19 | 11° 4 | 14° 3 | S14 |
| S15 | 6 11 52 | 2°54'56 | 5 ¹¹ 4 | 10°35 | 16°50 | 3°29 | 16° 9 | 0°25 | 12°32 | 24°50 | 5°59 | 8°R 4 | 9°16 | 11°10 | 14° 1 | S15 |
| M16 | 6 15 48 | 3°56'07 | 18°10 | 11°22 | 18° 5 | 4°15 | 16° 5 | 0°21 | 12°34 | 24°52 | 6° 1 | 8° 3 | 9°13 | 11°17 | 13°58 | M16 |
| T17 | 6 19 45 | 4°57'17 | 1 ¹¹ 44 | 12°13 | 19°20 | 5° 1 | 16° 1 | 0°17 | 12°36 | 24°54 | 6° 4 | 8° 0 | 9°10 | 11°24 | 13°55 | T17 |
| W18 | 6 23 42 | 5°58'27 | 15°48 | 13° 8 | 20°36 | 5°47 | 15°56 | 0°12 | 12°37 | 24°56 | 6° 6 | 7°54 | 9° 7 | 11°30 | 13°52 | W18 |
| T19 | 6 27 38 | 6°59'37 | 0°12 | 14° 7 | 21°51 | 6°33 | 15°51 | 0° 8 | 12°39 | 24°58 | 6° 8 | 7°47 | 9° 3 | 11°37 | 13°49 | T19 |
| F20 | 6 31 35 | 8° 0'46 | 15°21 | 15° 9 | 23° 6 | 7°19 | 15°47 | 0° 4 | 12°41 | 25° 1 | 6°10 | 7°37 | 9° 0 | 11°44 | 13°46 | F20 |
| S21 | 6 35 31 | 9° 1'55 | 0°36 | 16°14 | 24°21 | 8° 6 | 15°42 | 29°59 | 12°43 | 25° 3 | 6°12 | 7°28 | 8°57 | 11°51 | 13°42 | S21 |
| S22 | 6 39 28 | 10° 3'04 | 15°57 | 17°21 | 25°36 | 8°52 | 15°36 | 29°55 | 12°45 | 25° 5 | 6°14 | 7°19 | 8°54 | 11°57 | 13°39 | S22 |
| M23 | 6 43 24 | 11° 4'13 | 1 ¹¹ 13 | 18°31 | 26°52 | 9°38 | 15°31 | 29°50 | 12°47 | 25° 7 | 6°16 | 7°13 | 8°51 | 12° 4 | 13°36 | M23 |
| T24 | 6 47 21 | 12° 5'22 | 16°13 | 19°43 | 28° 7 | 10°24 | 15°25 | 29°46 | 12°49 | 25°10 | 6°18 | 7° 8 | 8°48 | 12°11 | 13°32 | T24 |
| W25 | 6 51 17 | 13° 6'30 | 0°149 | 20°57 | 29°22 | 11°11 | 15°20 | 29°41 | 12°51 | 25°12 | 6°20 | 7°D 7 | 8°44 | 12°17 | 13°29 | W25 |
| T26 | 6 55 14 | 14° 7'38 | 14°58 | 22°13 | 0°337 | 11°57 | 15°14 | 29°37 | 12°53 | 25°14 | 6°22 | 7° 7 | 8°41 | 12°24 | 13°25 | T26 |
| F27 | 6 59 11 | 15° 8'47 | 28°39 | 23°30 | 1°52 | 12°43 | 15° 8 | 29°32 | 12°55 | 25°16 | 6°24 | 7° 8 | 8°38 | 12°31 | 13°22 | F27 |
| S28 | 7 3 7 | 16° 9'55 | 11°53 | 24°49 | 3° 7 | 13°30 | 15° 2 | 29°27 | 12°58 | 25°18 | 6°26 | 7°R 8 | 8°35 | 12°37 | 13°18 | S28 |
| S29 | 7 7 4 | 17°11'03 | 24°44 | 26° 8 | 4°22 | 14°16 | 14°56 | 29°23 | 13° 0 | 25°21 | 6°28 | 7° 8 | 8°32 | 12°44 | 13°14 | S29 |
| M30 | 7 11 0 | 18°12'11 | 7 ¹¹ 17 | 27°29 | 5°37 | 15° 3 | 14°49 | 29°18 | 13° 2 | 25°23 | 6°29 | 7° 6 | 8°29 | 12°51 | 13°10 | M30 |
| T31 | 7 14 57 | 19°13'18 | 19°134 | 28°151 | 6°52 | 15°349 | 14°143 | 29°13 | 13° 4 | 25°25 | 6°31 | 7° 2 | 8°25 | 12°53 | 13° 6 | T31 |

Delta T = 280.92 sec

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