

Astrodienst Ephemeris Tables for the year 1521

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

JANUARY 1521 JC 00:00 UT

| Day | Sid.t | 0 | D | ğ | · | ď | 4 | ħ |)f(| Ħ | Р | ß | Ω | Ç | ę, | Day |
|-------------|--------------------|----------------------|-------------------------|----------------|------------------|----------------|----------------|--------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|-------------|
| T 1 | 7 19 22 | 20 ට 21'24 | 21 ≏ 30 | 3≈49 | 9≈27 | 11°R25 | 13 ₹ 2 | 4≈10 | 16°R52 | 29≈38 | 9 ප 56 | 29°D19 | 28 Y 54 | 4 M , 0 | 12≈47 | T 1 |
| W 2 | 7 23 18 | 21°22'30 | 3 M .18 | 5°28 | 10°42 | 11 0 6 | 13°14 | 4°17 | 16 8 51 | 29°40 | 9°58 | 29°R19 | 28°51 | 4° 6 | 12°51 | W 2 |
| T 3 | 7 27 15 | 22°23'36 | 15° 6 | 7° 5 | 11°57 | 10°45 | 13°26 | 4°24 | 16°50 | 29°41 | 10° 0 | 29 Υ 19 | 28°48 | 4°13 | 12°56 13° 0 | T 3 F 4 |
| F 4 S 5 | 7 31 12 7 35 8 | 23°24'42 24°25'47 | 27° 1 9 × 7 6 | 8°41 10°16 | 13°12 14°27 | 10°25 10° 3 | 13°38 13°50 | 4°32 4°39 | 16°50 16°49 | 29°43 29°45 | 10° 2 10° 4 | 29°16 29°11 | 28°45 28°41 | 4°20 4°26 | 13° 0 | F 4 S 5 |
| | | | | - | | | | | | | | - | | | _ | |
| S 6 | 7 39 5 | 25°26'51 | 21°26 | 11°48 | 15°42 | 9°42 | 14° 2 | 4°46 | 16°48 | 29°47 | 10° 6 | 29° 2 | 28°38 | 4°33 | 13° 9 | S 6 |
| M 7 | 7 43 1 | 26°27'55 | 4중 3 | 13°19 | 16°57 18°11 | 9°20 | 14°14 | 4°53 | 16°48 | 29°49 29°51 | 10° 8 | 28°51 | 28°35 | 4°40 | 13°13 | M 7 |
| T 8 W 9 | 7 46 58 7 50 54 | 27°28'59 28°30'01 | 16°59 0 ≈ 12 | 14°46 16°10 | 18°11 19°26 | 8°57 8°34 | 14°25 14°37 | 5° 0 5° 7 | 16°48 16°47 | 29°51 29°53 | 10°10 10°12 | 28°39 28°25 | 28°32 28°29 | 4°46 4°53 | 13°17 13°22 | T 8 W 9 |
| T 10 | 7 54 51 | 29°31'03 | 13°40 | 17°30 | 20°41 | 8°11 | 14°48 | 5°14 | 16°47 | 29°55 | 10°12 | 28°11 | 28°25 | 5° 0 | 13°26 | T 10 |
| F 11 | 7 58 47 | 0≈32'03 | 27°22 | 18°45 | 21°56 | 7°47 | 15° 0 | 5°21 | 16°47 | 29°57 | 10°16 | 28° 0 | 28°22 | 5° 6 | 13°31 | F 11 |
| S 12 | 8 2 44 | 1°33'03 | 11) 12 | 19°55 | 23°11 | 7°24 | 15°11 | 5°28 | 16°47 | 29°59 | 10°18 | 27°51 | 28°19 | 5°13 | 13°35 | S 12 |
| S 13 | 8 6 41 | 2°34'01 | 25° 9 | 20°58 | 24°26 | 7° 0 | 15°22 | 5°36 | 16°46 | 0 ₩ 1 | 10°20 | 27°45 | 28°16 | 5°20 | 13°40 | S 13 |
| M14 | 8 10 37 | 3°34'58 | 9Υ10 | 21°55 | 25°40 | 6°36 | 15°33 | 5°43 | 16°46 | 0° 3 | 10°22 | 27°42 | 28°13 | 5°26 | 13°44 | M14 |
| T 15 | 8 14 34 | 4°35'54 | 23°13 | 22°43 | 26°55 | 6°12 | 15°44 | 5°50 | 16°D46 | 0° 5 | 10°24 | 27°41 | 28°10 | 5°33 | 13°49 | T 15 |
| W16 | 8 18 30 | 5°36'48 | 7 8 18 | 23°23 | 28°10 | 5°48 | 15°55 | 5°57 | 16°46 | 0° 8 | 10°26 | 27°41 | 28° 6 | 5°39 | 13°53 | W16 |
| T 17 | 8 22 27 | 6°37'41 | 21°23 | 23°54 | 29°24 | 5°24 | 16° 6 | 6° 4 | 16°46 | 0°10 | 10°28 | 27°41 | 28° 3 | 5°46 | 13°57 | T 17 |
| F 18 | 8 26 23 | 7°38'32 | 5 ∏ 27 | 24°14 | 0 ₩39 | 5° 0 | 16°17 | 6°11 | 16°47 | 0°12 | 10°30 | 27°38 | 28° 0 | 5°53 | 14° 2 | F 18 |
| S 19 | 8 30 20 | 8°39'22 | 19°31 | 24°R24 | 1°54 | 4°36 | 16°28 | 6°19 | 16°47 | 0°14 | 10°32 | 27°33 | 27°57 | 5°59 | 14° 6 | S 19 |
| S 20 | 8 34 16 | 9°40'11 | 3930 | 24°23 | 3° 8 | 4°12 | 16°38 | 6°26 | 16°47 | 0°16 | 10°34 | 27°25 | 27°54 | 6° 6 | 14°11 | S 20 |
| M21 | 8 38 13 | 10°40'58 | 17°22 | 24°10 | 4°23 | 3°49 | 16°49 | 6°33 | 16°47 | 0°18 | 10°35 | 27°15 | 27°51 | 6°13 | 14°16 | M21 |
| T 22 W23 | 8 42 10 8 46 6 | 11°41'44 12°42'29 | 10 4 14°30 | 23°47 23°14 | 5°37 6°52 | 3°26 3° 3 | 16°59 17°10 | 6°40 6°47 | 16°48 16°48 | 0°20 0°23 | 10°37 10°39 | 27° 2 26°50 | 27°47 27°44 | 6°19 6°26 | 14°20 14°25 | T 22 W23 |
| T 24 | 8 50 3 | 12 42 29 13°43'12 | 27°40 | 23°14 22°31 | 8° 6 | 2°40 | 17 10 17°20 | 6°54 | 16°48 | 0°25 | 10°39 | 26°38 | 27°41 | 6°33 | 14°29 | T 24 |
| F 25 | 8 53 59 | 14°43'53 | 10 m)32 | 21°40 | 9°20 | 2°18 | 17°30 | 7° 1 | 16°49 | 0°27 | 10°43 | 26°28 | 27°38 | 6°39 | 14°34 | F 25 |
| S 26 | 8 57 56 | 15°44'34 | 23° 4 | 20°41 | 10°35 | 1°56 | 17°40 | 7° 9 | 16°50 | 0°29 | 10°44 | 26°21 | 27°35 | 6°46 | 14°38 | S 26 |
| S 27 | 9 1 52 | 16°45'13 | 5₽20 | 19°37 | 11°49 | 1°35 | 17°50 | 7°16 | 16°50 | 0°32 | 10°46 | 26°16 | 27°31 | 6°53 | 14°43 | S 27 |
| M28 | 9 5 49 | 17°45'51 | 17°23 | 18°29 | 13° 3 | 1°14 | 18° 0 | 7°23 | 16°51 | 0°34 | 10°48 | 26°14 | 27°28 | 6°59 | 14°47 | M28 |
| T 29 | 9 9 45 | 18°46'28 | 29°15 | 17°20 | 14°18 | 0°53 | 18°10 | 7°30 | 16°52 | 0°36 | 10°50 | 26°D13 | 27°25 | 7° 6 | 14°52 | T 29 |
| W30 | 9 13 42 | 19°47'03 | 11 M 4 | 16°11 | 15°32 | 0°34 | 18°19 | 7°37 | 16°52 | 0°38 | 1 <u>0</u> °51 | 26°14 | 27°22 | 7°13 | 14°56 | W30 |
| T 31 | 9 17 39 | 20≈47'37 | 22 M 52 | 15≈ 4 | 16) € 46 | 0Ω14 | 18 × 29 | 7≈44 | 16 8 53 | 0) (40 | 10 る 53 | 26°R14 | 27 Υ 19 | 7 ™ 19 | 15≈ 1 | T 31 |

Delta T = 244.89 sec

Julian Calendar 1 Jan. 1521 == Greg. Calendar 11 Jan. 1521

FEBRUARY 1521 JC 00:00 UT

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|------|----------|-------------------|----------------|--------|---------------|----------------|-----------------|-------|----------------|-----------------|----------------|----------------|----------------|---------------|-------|------|
| F 1 | 9 21 35 | 21≈48'11 | 4 √ 48 | 14°R 0 | 18 ∺ 0 | 29°R56 | 18 ∡ ³38 | 7≈51 | 16 8 54 | 0)(43 | 10 궁 55 | 26°R13 | 27 Υ 16 | 7 M 26 | 15≈ 5 | F 1 |
| S 2 | 9 25 32 | 22°48'42 | 16°54 | 13≈ 0 | 19°14 | 29938 | 18°47 | 7°58 | 16°55 | 0°45 | 10°56 | 26 Y 10 | 27°12 | 7°32 | 15°10 | S 2 |
| S 3 | 9 29 28 | 23°49'13 | 29°17 | 12° 7 | 20°28 | 29°20 | 18°56 | 8° 5 | 16°56 | 0°47 | 10°58 | 26° 5 | 27° 9 | 7°39 | 15°14 | S 3 |
| M 4 | 9 33 25 | 24°49'42 | 12 る 0 | 11°20 | 21°42 | 29° 4 | 19° 5 | 8°12 | 16°57 | 0°50 | 11° 0 | 25°57 | 27° 6 | 7°46 | 15°18 | M 4 |
| T 5 | 9 37 21 | 25°50'10 | 25° 6 | 10°40 | 22°56 | 28°48 | 19°14 | 8°19 | 16°58 | 0°52 | 11° 1 | 25°48 | 27° 3 | 7°52 | 15°23 | T 5 |
| W 6 | 9 41 18 | 26°50'36 | 8≈33 | 10° 8 | 24°10 | 28°32 | 19°23 | 8°26 | 16°59 | 0°54 | 11° 3 | 25°37 | 27° 0 | 7°59 | 15°27 | W 6 |
| T 7 | 9 45 14 | 27°51'00 | 22°22 | 9°43 | 25°24 | 28°18 | 19°32 | 8°33 | 17° 0 | 0°56 | 11° 4 | 25°27 | 26°57 | 8° 6 | 15°32 | T 7 |
| F 8 | 9 49 11 | 28°51'23 | 6) €27 | 9°25 | 26°38 | 28° 4 | 19°40 | 8°40 | 17° 2 | 0°59 | 11° 6 | 25°18 | 26°53 | 8°12 | 15°36 | F 8 |
| S 9 | 9 53 8 | 29°51'44 | 20°45 | 9°14 | 27°52 | 27°51 | 19°49 | 8°47 | 17° 3 | 1° 1 | 11° 7 | 25°11 | 26°50 | 8°19 | 15°41 | S 9 |
| S 10 | 9 57 4 | 0 ¥ 52'03 | 5 Υ 9 | 9°D11 | 29° 5 | 27°39 | 19°57 | 8°53 | 17° 4 | 1° 3 | 11° 9 | 25° 7 | 26°47 | 8°26 | 15°45 | S 10 |
| M11 | 10 1 1 | 1°52'20 | 19°35 | 9°14 | oΥ19 | 27°27 | 20° 5 | 9° 0 | 17° 6 | 1° 5 | 11°10 | 25°D 5 | 26°44 | 8°32 | 15°49 | M11 |
| T 12 | 10 4 57 | 2°52'35 | 3 8 56 | 9°23 | 1°33 | 27°16 | 20°13 | 9° 7 | 17° 7 | 1°8 | 11°12 | 25° 5 | 26°41 | 8°39 | 15°54 | T 12 |
| W13 | 10 8 54 | 3°52'48 | 18°12 | 9°39 | 2°46 | 27° 6 | 20°21 | 9°14 | 17° 8 | 1°10 | 11°13 | 25° 6 | 26°37 | 8°46 | 15°58 | W13 |
| T 14 | 10 12 50 | 4°52'59 | 2∏20 | 9°59 | 4° 0 | 26°57 | 20°29 | 9°20 | 17°10 | 1°12 | 11°15 | 25°R 7 | 26°34 | 8°52 | 16° 2 | T 14 |
| F 15 | 10 16 47 | 5°53'08 | 16°18 | 10°26 | 5°14 | 26°49 | 20°36 | 9°27 | 17°11 | 1°15 | 11°16 | 25° 7 | 26°31 | 8°59 | 16° 7 | F 15 |
| S 16 | 10 20 43 | 6°53'15 | 0ණ 6 | 10°57 | 6°27 | 26°42 | 20°44 | 9°34 | 17°13 | 1°17 | 11°17 | 25° 4 | 26°28 | 9° 6 | 16°11 | S 16 |
| S 17 | 10 24 40 | 7°53'20 | 13°44 | 11°32 | 7°40 | 26°35 | 20°51 | 9°40 | 17°15 | 1°19 | 11°19 | 25° 0 | 26°25 | 9°12 | 16°15 | S 17 |
| M18 | 10 28 37 | 8°53'22 | 27°11 | 12°12 | 8°54 | 26°29 | 20°58 | 9°47 | 17°16 | 1°21 | 11°20 | 24°53 | 26°22 | 9°19 | 16°20 | M18 |
| T 19 | 10 32 33 | 9°53'23 | 10 Ω 26 | 12°55 | 10° 7 | 26°24 | 21° 5 | 9°53 | 17°18 | 1°24 | 11°21 | 24°46 | 26°18 | 9°26 | 16°24 | T 19 |
| W20 | 10 36 30 | 10°53'21 | 23°28 | 13°43 | 11°20 | 26°19 | 21°12 | 10° 0 | 17°20 | 1°26 | 11°22 | 24°38 | 26°15 | 9°32 | 16°28 | W20 |
| T 21 | 10 40 26 | 11°53'17 | 6Mp17 | 14°33 | 12°33 | 26°16 | 21°19 | 10° 6 | 17°22 | 1°28 | 11°24 | 24°30 | 26°12 | 9°39 | 16°32 | T 21 |
| F 22 | 10 44 23 | 12°53'11 | 18°52 | 15°27 | 13°46 | 26°13 | 21°26 | 10°13 | 17°24 | 1°30 | 11°25 | 24°24 | 26° 9 | 9°45 | 16°36 | F 22 |
| S 23 | 10 48 19 | 13°53'03 | 1 ≏ 13 | 16°24 | 14°59 | 26°11 | 21°32 | 10°19 | 17°26 | 1°33 | 11°26 | 24°19 | 26° 6 | 9°52 | 16°40 | S 23 |
| S 24 | 10 52 16 | 14°52'54 | 13°22 | 17°23 | 16°12 | 26°10 | 21°38 | 10°26 | 17°28 | 1°35 | 11°27 | 24°17 | 26° 2 | 9°59 | 16°45 | S 24 |
| M25 | 10 56 12 | 15°52'42 | 25°21 | 18°26 | 17°25 | 26°D 9 | 21°45 | 10°32 | 17°30 | 1°37 | 11°28 | 24°D16 | 25°59 | 10° 5 | 16°49 | M25 |
| T 26 | 11 0 9 | 16°52'29 | 7 ™ 12 | 19°30 | 18°38 | 26° 9 | 21°51 | 10°38 | 17°32 | 1°39 | 11°29 | 24°17 | 25°56 | 10°12 | 16°53 | T 26 |
| W27 | 11 4 6 | 17°52'14 | 19° 0 | 20°37 | 19°51 | 26°10 | 21°56 | 10°44 | 17°34 | 1°42 | 11°30 | 24°18 | 25°53 | 10°19 | 16°57 | W27 |
| T 28 | 11 8 2 | 18 ¥ 51'57 | 0 ∡ 749 | 21≈47 | 21 ° 4 | 269512 | 22 才 2 | 10≈51 | 17 8 36 | 1) (44 | 11 る 31 | 24 Y 20 | 25 Y 50 | 10M25 | 17≈ 1 | T 28 |

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MARCH 1521 JC 00:00 UT

| Day | Sid.t | 0 | D | ğ | Q. | ♂ | 4 | ħ |)Å(| ¥ | Р | n | v | ţ | 0 پ | Day |
|-------------|----------------------|----------------------|------------------------|-------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------|
| F 1 | 11 11 59 | 19 ¥ 51'38 | 12 ×7 44 | 22≈58 | 22 Y 16 | 269514 | 22 × 8 | 10≈57 | 17 8 38 | 1) (46 | 11 る 32 | 24 Y 21 | 25 Y 47 | 10M32 | 17≈ 5 | F 1 |
| S 2 | 11 15 55 | 20°51'18 | 24°50 | 24°11 | 23°29 | 26°17 | 22°13 | 11° 3 | 17°40 | 1°48 | 11°33 | 24°R22 | 25°43 | 10°39 | 17° 9 | S 2 |
| S 3 | 11 19 52 | 21°50'56 | 7 ਰ 11 | 25°27 | 24°41 | 26°21 | 22°18 | 11° 9 | 17°43 | 1°50 | 11°34 | 24°20 | 25°40 | 10°45 | 17°12 | S 3 |
| M 4 | 11 23 48 | 22°50'32 | 19°53 | 26°44 | 25°54 | 26°25 | 22°23 | 11°15 | 17°45 | 1°52 | 11°35 | 24°18 | 25°37 | 10°52 | 17°16 | M 4 |
| T 5 | 11 27 45 | 23°50'07 | 2≈59 | 28° 3 | 27° 6 | 26°30 | 22°28 | 11°21 | 17°47 | 1°55 | 11°36 | 24°14 | 25°34 | 10°59 | 17°20 | T 5 |
| W 6 T 7 | 11 31 41 | 24°49'39 | 16°30 0 ∺ 27 | 29°23 0) (46 | 28°18 29°31 | 26°36 | 22°33 22°37 | 11°27 11°32 | 17°50 17°52 | 1°57 1°59 | 11°37 11°38 | 24°10 24° 5 | 25°31 25°28 | 11° 5 11°12 | 17°24 17°28 | W 6 T 7 |
| F 8 | 11 35 38 11 39 35 | 25°49'10 26°48'39 | 14°46 | 2°10 | 0 8 43 | 26°42 26°49 | 22°42 | 11°32 11°38 | 17°52 17°54 | 2° 1 | 11°38 | 24° 3 | 25°24 | 11°12 11°19 | 17°28 17°31 | F 8 |
| S 9 | 11 43 31 | 20 48 39 27°48'05 | 29°23 | 3°35 | 1°55 | 26°57 | 22°46 | 11°44 | 17°57 | 2° 3 | 11°40 | 23°58 | 25°21 | 11°25 | 17°35 | S 9 |
| S 10 | 11 47 28 | 28°47'30 | 14 Y 11 | 5° 2 | 3° 7 | 27° 5 | 22°50 | 11°49 | 17°59 | 2° 5 | 11°40 | 23°57 | 25°18 | 11°32 | 17°39 | S 10 |
| M11 | 11 51 24 | 29°46'52 | 29° 2 | 6°30 | 4°19 | 27°14 | 22°54 | 11°55 | 17 39 18° 2 | 2° 7 | 11°41 | 23°D57 | 25°15 | 11°38 | 17°42 | M11 |
| T 12 | 11 55 21 | 0 Υ 46'13 | 13849 | 8° 0 | 5°31 | 27°23 | 22°58 | 12° 1 | 18° 5 | 2° 9 | 11°42 | 23°57 | 25°12 | 11°45 | 17°46 | T 12 |
| W13 | 11 59 17 | 1°45'31 | 28°26 | 9°32 | 6°43 | 27°34 | 23° 1 | 12° 6 | 18° 7 | 2°11 | 11°42 | 23°59 | 25° 8 | 11°52 | 17°50 | W13 |
| T 14 | 12 3 14 | 2°44'47 | 12 Ⅱ 49 | 11° 5 | 7°54 | 27°44 | 23° 4 | 12°11 | 18°10 | 2°13 | 11°43 | 24° 0 | 25° 5 | 11°58 | 17°53 | T 14 |
| F 15 | 12 7 10 | 3°44'00 | 26°54 | 12°39 | 9° 6 | 27°55 | 23° 7 | 12°17 | 18°13 | 2°15 | 11°44 | 24° 1 | 25° 2 | 12° 5 | 17°57 | F 15 |
| S 16 | 12 11 7 | 4°43'11 | 109540 | 14°15 | 10°17 | 28° 7 | 23°10 | 12°22 | 18°15 | 2°17 | 11°44 | 24°R 1 | 24°59 | 12°12 | 18° 0 | S 16 |
| S 17 | 12 15 4 | 5°42'20 | 24° 9 | 15°52 | 11°29 | 28°19 | 23°13 | 12°27 | 18°18 | 2°19 | 11°45 | 24° 0 | 24°56 | 12°18 | 18° 3 | S 17 |
| M18 | 12 19 0 | 6°41'26 | $7\Omega 20$ | 17°31 | 12°40 | 28°32 | 23°16 | 12°33 | 18°21 | 2°21 | 11°45 | 23°58 | 24°53 | 12°25 | 18° 7 | M18 |
| T 19 | 12 22 57 | 7°40'30 | 20°16 | 19°11 | 13°52 | 28°45 | 23°18 | 12°38 | 18°24 | 2°23 | 11°46 | 23°56 | 24°49 | 12°32 | 18°10 | T 19 |
| W20 T 21 | 12 26 53 12 30 50 | 8°39'32 9°38'31 | 2 Mp 57 15°26 | 20°52 22°35 | 15° 3 16°14 | 28°59 29°13 | 23°21 23°23 | 12°43 12°48 | 18°27 18°29 | 2°25 2°27 | 11°46 11°47 | 23°54 23°52 | 24°46 24°43 | 12°38 12°45 | 18°13 18°16 | W20 T 21 |
| F 22 | 12 30 30 | 10°37'28 | 27°43 | 24°20 | 16 14 17°25 | 29°13 | 23°24 | 12°52 | 18°32 | 2°29 | 11°47 | 23°50 | 24°40 | 12°52 | 18°20 | F 22 |
| S 23 | 12 38 43 | 11°36'23 | 9 ₽ 51 | 26° 6 | 18°36 | 29°43 | 23°26 | 12°57 | 18°35 | 2°31 | 11°47 | 23°49 | 24°37 | 12°58 | 18°23 | S 23 |
| S 24 | 12 42 39 | 12°35'16 | 21°50 | 27°53 | 19°46 | 29°59 | 23°28 | 13° 2 | 18°38 | 2°33 | 11°48 | 23°D49 | 24°34 | 13° 5 | 18°26 | S 24 |
| M25 | 12 46 36 | 13°34'07 | 3 M .43 | 29°42 | 20°57 | 0Ω15 | 23°29 | 13° 7 | 18°41 | 2°35 | 11°48 | 23°49 | 24°30 | 13°12 | 18°29 | M25 |
| T 26 | 12 50 32 | 14°32'56 | 15°33 | 1 Υ 32 | 22° 8 | 0°31 | 23°30 | 13°11 | 18°44 | 2°36 | 11°48 | 23°49 | 24°27 | 13°18 | 18°32 | T 26 |
| W27 | 12 54 29 | 15°31'44 | 27°21 | 3°24 | 23°18 | 0°48 | 23°31 | 13°16 | 18°47 | 2°38 | 11°49 | 23°50 | 24°24 | 13°25 | 18°35 | W27 |
| T 28 | 12 58 26 | 16°30'29 | 9 ∡ 11 | 5°18 | 24°28 | 1° 6 | 23°32 | 13°20 | 18°50 | 2°40 | 11°49 | 23°51 | 24°21 | 13°32 | 18°38 | T 28 |
| F 29 | 13 2 22 | 17°29'13 | 21° 7 | 7°13 | 25°39 | 1°23 | 23°32 | 13°25 | 18°53 | 2°42 | 11°49 | 23°52 | 24°18 | 13°38 | 18°40 | F 29 |
| S 30 | 13 6 19 | 18°27'55 | 3 ਰ 13 | 9° 9 | 26°49 | 1°41 | 23°33 | 13°29 | 18°56 | 2°44 | 11°49 | 23°52 | 24°14 | 13°45 | 18°43 | S 30 |
| S 31 | 13 10 15 | 19 Y 26'35 | 15 る 33 | 11 Υ 7 | 27 8 59 | 2 N 0 | 23 × 33 | 13 ≈ 33 | 198 0 | 2) 45 | 11 る 49 | 23°R52 | 24 Y 11 | 13 M 52 | 18 ≈ 46 | S 31 |

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Julian Calendar 1 March 1521 == Greg. Calendar 11 March 1521

APRIL 1521 JC 00:00 UT

| Day | Sid.t | 0 | D | ğ | φ | ð | 4 | ħ |)f(| ¥ | В | 'n | ß | Ç | ę, | Day |
|------|----------|-------------------|----------------|----------------|---------------|----------------|----------------|-------|---------------|----------------|----------------|----------------|----------------|-----------------|----------------|------|
| M 1 | 13 14 12 | 20 Y 25'14 | 28 궁 11 | 13 ° 7 | 29 8 9 | 2 Ω 19 | 23°R33 | 13≈38 | 19 8 3 | 2){ 47 | 11 る 49 | 23°R52 | 24 Y 8 | 13 M .58 | 18 ≈ 49 | M 1 |
| T 2 | 13 18 8 | 21°23'51 | 11≈12 | 15° 7 | 0 П 19 | 2°38 | 23 × 33 | 13°42 | 19° 6 | 2°49 | 11°49 | 23 Y 52 | 24° 5 | 14° 5 | 18°51 | T 2 |
| W 3 | 13 22 5 | 22°22'26 | 24°38 | 17°10 | 1°28 | 2°58 | 23°32 | 13°46 | 19° 9 | 2°50 | 11°50 | 23°52 | 24° 2 | 14°11 | 18°54 | W 3 |
| T 4 | 13 26 1 | 23°21'00 | 8) 31 | 19°13 | 2°38 | 3°18 | 23°32 | 13°50 | 19°12 | 2°52 | 11°R50 | 23°52 | 23°59 | 14°18 | 18°56 | T 4 |
| F 5 | 13 29 58 | 24°19'31 | 22°50 | 21°18 | 3°48 | 3°38 | 23°31 | 13°53 | 19°16 | 2°53 | 11°50 | 23°D52 | 23°55 | 14°25 | 18°59 | F 5 |
| S 6 | 13 33 55 | 25°18'01 | 7 Ƴ 32 | 23°24 | 4°57 | 3°59 | 23°30 | 13°57 | 19°19 | 2°55 | 11°49 | 23°52 | 23°52 | 14°31 | 19° 1 | S 6 |
| S 7 | 13 37 51 | 26°16'29 | 22°30 | 25°31 | 6° 6 | 4°20 | 23°29 | 14° 1 | 19°22 | 2°57 | 11°49 | 23°R52 | 23°49 | 14°38 | 19° 3 | S 7 |
| M 8 | 13 41 48 | 27°14'56 | 7 8 38 | 27°38 | 7°15 | 4°42 | 23°28 | 14° 4 | 19°25 | 2°58 | 11°49 | 23°52 | 23°46 | 14°45 | 19° 6 | M 8 |
| T 9 | 13 45 44 | 28°13'20 | 22°45 | 29°47 | 8°24 | 5° 3 | 23°26 | 14° 8 | 19°29 | 3° 0 | 11°49 | 23°52 | 23°43 | 14°51 | 19°8 | T 9 |
| W10 | 13 49 41 | 29°11'43 | 7 Ⅱ 43 | 1 8 55 | 9°33 | 5°25 | 23°25 | 14°11 | 19°32 | 3° 1 | 11°49 | 23°51 | 23°40 | 14°58 | 19°10 | W10 |
| T 11 | 13 53 37 | 0810'03 | 22°24 | 4° 4 | 10°42 | 5°48 | 23°23 | 14°15 | 19°35 | 3° 3 | 11°49 | 23°51 | 23°36 | 15° 5 | 19°12 | T 11 |
| F 12 | 13 57 34 | 1° 8'22 | 69643 | 6°13 | 11°51 | 6°10 | 23°21 | 14°18 | 19°39 | 3° 4 | 11°49 | 23°50 | 23°33 | 15°11 | 19°14 | F 12 |
| S 13 | 14 1 30 | 2° 6'38 | 20°38 | 8°21 | 12°59 | 6°33 | 23°18 | 14°21 | 19°42 | 3° 5 | 11°48 | 23°50 | 23°30 | 15°18 | 19°16 | S 13 |
| S 14 | 14 5 27 | 3° 4'53 | 4 Ω 8 | 10°29 | 14° 7 | 6°57 | 23°16 | 14°24 | 19°45 | 3° 7 | 11°48 | 23°D49 | 23°27 | 15°25 | 19°18 | S 14 |
| M15 | 14 9 24 | 4° 3'05 | 17°15 | 12°35 | 15°15 | 7°20 | 23°13 | 14°27 | 19°49 | 3° 8 | 11°48 | 23°50 | 23°24 | 15°31 | 19°20 | M15 |
| T 16 | 14 13 20 | 5° 1'15 | 0Mp 2 | 14°41 | 16°23 | 7°44 | 23°11 | 14°30 | 19°52 | 3° 9 | 11°47 | 23°50 | 23°20 | 15°38 | 19°22 | T 16 |
| W17 | 14 17 17 | 5°59'23 | 12°30 | 16°45 | 17°31 | 8° 8 | 23° 8 | 14°33 | 19°56 | 3°11 | 11°47 | 23°51 | 23°17 | 15°45 | 19°24 | W17 |
| T 18 | 14 21 13 | 6°57'29 | 24°45 | 18°47 | 18°39 | 8°33 | 23° 5 | 14°36 | 19°59 | 3°12 | 11°47 | 23°53 | 23°14 | 15°51 | 19°26 | T 18 |
| F 19 | 14 25 10 | 7°55'33 | 6 ₽ 50 | 20°46 | 19°47 | 8°57 | 23° 1 | 14°39 | 20° 2 | 3°13 | 11°46 | 23°54 | 23°11 | 15°58 | 19°27 | F 19 |
| S 20 | 14 29 6 | 8°53'35 | 18°46 | 22°44 | 20°54 | 9°22 | 22°58 | 14°41 | 20° 6 | 3°14 | 11°46 | 23°R54 | 23° 8 | 16° 5 | 19°29 | S 20 |
| S 21 | 14 33 3 | 9°51'36 | 0 M .38 | 24°39 | 22° 1 | 9°47 | 22°54 | 14°44 | 20° 9 | 3°15 | 11°45 | 23°54 | 23° 5 | 16°11 | 19°30 | S 21 |
| M22 | 14 36 59 | 10°49'35 | 12°27 | 26°31 | 23° 8 | 10°13 | 22°50 | 14°46 | 20°13 | 3°17 | 11°45 | 23°53 | 23° 1 | 16°18 | 19°32 | M22 |
| T 23 | 14 40 56 | 11°47'33 | 24°16 | 28°20 | 24°15 | 10°38 | 22°46 | 14°48 | 20°16 | 3°18 | 11°44 | 23°51 | 22°58 | 16°25 | 19°33 | T 23 |
| W24 | 14 44 53 | 12°45'28 | 6 ₹ 6 | 0 I I 6 | 25°22 | 11° 4 | 22°42 | 14°50 | 20°20 | 3°19 | 11°44 | 23°49 | 22°55 | 16°31 | 19°35 | W24 |
| T 25 | 14 48 49 | 13°43'23 | 18° 0 | 1°49 | 26°28 | 11°30 | 22°38 | 14°53 | 20°23 | 3°20 | 11°43 | 23°46 | 22°52 | 16°38 | 19°36 | T 25 |
| F 26 | 14 52 46 | 14°41'16 | 0ਰ 1 | 3°28 | 27°34 | 11°56 | 22°33 | 14°55 | 20°27 | 3°21 | 11°42 | 23°43 | 22°49 | 16°45 | 19°37 | F 26 |
| S 27 | 14 56 42 | 15°39'08 | 12°11 | 5° 4 | 28°41 | 12°23 | 22°29 | 14°56 | 20°30 | 3°22 | 11°42 | 23°40 | 22°45 | 16°51 | 19°38 | S 27 |
| S 28 | 15 0 39 | 16°36'58 | 24°33 | 6°37 | 29°46 | 12°50 | 22°24 | 14°58 | 20°34 | 3°23 | 11°41 | 23°37 | 22°42 | 16°58 | 19°40 | S 28 |
| M29 | 15 4 35 | 17°34'48 | 7≈11 | 8° 6 | 09्52 | 13°17 | 22°19 | 15° 0 | 20°37 | 3°24 | 11°40 | 23°36 | 22°39 | 17° 5 | 19°41 | M29 |
| T 30 | 15 8 32 | 18 8 32'36 | 20≈ 8 | 9 Ⅲ 31 | 1958 | 13 Ω 44 | 22 × 14 | 15≈ 2 | 20841 | 3 ∺ 25 | 11 る 40 | 23°D35 | 22 Y 36 | 17 M .11 | 19 ≈ 42 | T 30 |

Delta T = 244.33 sec

MAY 1521 JC 00:00 UT

| Day | Sid.t | 0 | D | ğ | Ф | δ | 4 | ħ |) { | 4 | Р | ß | ವಿ | Ç | ę, | Day |
|------|----------|-------------------|----------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|----------------|-----------------|----------------|------|
| W 1 | 15 12 28 | 19830'22 | 3 ∺ 27 | 10耳53 | 399 3 | 14Ω11 | 22°R 9 | 15≈ 3 | 20844 | 3 ∺ 26 | 11°R39 | 23 Y 36 | 22 Y 33 | 17 M .18 | 19≈43 | W 1 |
| T 2 | 15 16 25 | 20°28'08 | 17°10 | 12°11 | 4° 8 | 14°39 | 22 ×7 3 | 15° 5 | 20°48 | 3°26 | 11 る 38 | 23°37 | 22°30 | 17°25 | 19°43 | T 2 |
| F 3 | 15 20 22 | 21°25'52 | 1 Ƴ 19 | 13°25 | 5°13 | 15° 6 | 21°58 | 15° 6 | 20°51 | 3°27 | 11°37 | 23°39 | 22°26 | 17°31 | 19°44 | F 3 |
| S 4 | 15 24 18 | 22°23'36 | 15°52 | 14°36 | 6°18 | 15°34 | 21°52 | 15° 7 | 20°55 | 3°28 | 11°36 | 23°40 | 22°23 | 17°38 | 19°45 | S 4 |
| S 5 | 15 28 15 | 23°21'18 | 0 8 46 | 15°42 | 7°22 | 16° 2 | 21°47 | 15° 8 | 20°58 | 3°29 | 11°36 | 23°R40 | 22°20 | 17°45 | 19°46 | S 5 |
| M 6 | 15 32 11 | 24°18'59 | 15°54 | 16°45 | 8°26 | 16°31 | 21°41 | 15° 9 | 21° 2 | 3°29 | 11°35 | 23°38 | 22°17 | 17°51 | 19°46 | M 6 |
| T 7 | 15 36 8 | 25°16'39 | 1 I 7 | 17°43 | 9°30 | 16°59 | 21°35 | 15°10 | 21° 5 | 3°30 | 11°34 | 23°35 | 22°14 | 17°58 | 19°47 | T 7 |
| W 8 | 15 40 4 | 26°14'18 | 16°15 | 18°38 | 10°34 | 17°28 | 21°28 | 15°11 | 21° 9 | 3°31 | 11°33 | 23°31 | 22°11 | 18° 4 | 19°47 | W 8 |
| T 9 | 15 44 1 | 27°11'55 | 195 9 | 19°28 | 11°37 | 17°57 | 21°22 | 15°12 | 21°12 | 3°31 | 11°32 | 23°27 | 22° 7 | 18°11 | 19°48 | T 9 |
| F 10 | 15 47 57 | 28° 9'32 | 15°41 | 20°15 | 12°40 | 18°26 | 21°16 | 15°13 | 21°16 | 3°32 | 11°31 | 23°22 | 22° 4 | 18°18 | 19°48 | F 10 |
| S 11 | 15 51 54 | 29° 7'06 | 29°47 | 20°57 | 13°43 | 18°55 | 21° 9 | 15°13 | 21°19 | 3°33 | 11°30 | 23°18 | 22° 1 | 18°24 | 19°48 | S 11 |
| S 12 | 15 55 51 | 0 Ⅱ 4'39 | 13 Ω 24 | 21°34 | 14°46 | 19°25 | 21° 3 | 15°14 | 21°23 | 3°33 | 11°29 | 23°15 | 21°58 | 18°31 | 19°49 | S 12 |
| M13 | 15 59 47 | 1° 2'11 | 26°33 | 22° 7 | 15°48 | 19°54 | 20°56 | 15°14 | 21°26 | 3°34 | 11°28 | 23°D14 | 21°55 | 18°38 | 19°49 | M13 |
| T 14 | 16 3 44 | 1°59'41 | 9 m p18 | 22°36 | 16°50 | 20°24 | 20°49 | 15°14 | 21°30 | 3°34 | 11°27 | 23°14 | 21°51 | 18°44 | 19°49 | T 14 |
| W15 | 16 7 40 | 2°57'10 | 21°43 | 23° 0 | 17°52 | 20°54 | 20°42 | 15°15 | 21°33 | 3°34 | 11°26 | 23°15 | 21°48 | 18°51 | 19°R49 | W15 |
| T 16 | 16 11 37 | 3°54'37 | 3 ₾ 52 | 23°20 | 18°53 | 21°24 | 20°35 | 15°R15 | 21°36 | 3°35 | 11°25 | 23°17 | 21°45 | 18°58 | 19°49 | T 16 |
| F 17 | 16 15 33 | 4°52'04 | 15°50 | 23°34 | 19°55 | 21°54 | 20°28 | 15°15 | 21°40 | 3°35 | 11°24 | 23°18 | 21°42 | 19° 4 | 19°49 | F 17 |
| S 18 | 16 19 30 | 5°49'29 | 27°40 | 23°45 | 20°55 | 22°25 | 20°21 | 15°15 | 21°43 | 3°35 | 11°23 | 23°R18 | 21°39 | 19°11 | 19°49 | S 18 |
| S 19 | 16 23 26 | 6°46'53 | 9 M 28 | 23°50 | 21°56 | 22°55 | 20°14 | 15°14 | 21°47 | 3°36 | 11°22 | 23°17 | 21°36 | 19°18 | 19°48 | S 19 |
| M20 | 16 27 23 | 7°44'16 | 21°16 | 23°R51 | 22°56 | 23°26 | 20° 7 | 15°14 | 21°50 | 3°36 | 11°20 | 23°13 | 21°32 | 19°24 | 19°48 | M20 |
| T 21 | 16 31 20 | 8°41'38 | 3 √ 7 | 23°48 | 23°55 | 23°57 | 19°59 | 15°14 | 21°53 | 3°36 | 11°19 | 23° 8 | 21°29 | 19°31 | 19°48 | T 21 |
| W22 | 16 35 16 | 9°38'59 | 15° 3 | 23°40 | 24°55 | 24°28 | 19°52 | 15°13 | 21°57 | 3°36 | 11°18 | 23° 0 | 21°26 | 19°38 | 19°47 | W22 |
| T 23 | 16 39 13 | 10°36'20 | 27° 5 | 23°28 | 25°53 | 24°59 | 19°45 | 15°12 | 22° 0 | 3°37 | 11°17 | 22°52 | 21°23 | 19°44 | 19°47 | T 23 |
| F 24 | 16 43 9 | 11°33'39 | 9 ට 15 | 23°12 | 26°52 | 25°30 | 19°37 | 15°12 | 22° 4 | 3°37 | 11°16 | 22°43 | 21°20 | 19°51 | 19°46 | F 24 |
| S 25 | 16 47 6 | 12°30'58 | 21°35 | 22°52 | 27°50 | 26° 1 | 19°30 | 15°11 | 22° 7 | 3°37 | 11°14 | 22°35 | 21°17 | 19°58 | 19°46 | S 25 |
| S 26 | 16 51 2 | 13°28'17 | 4≈ 6 | 22°29 | 28°48 | 26°33 | 19°22 | 15°10 | 22°10 | 3°37 | 11°13 | 22°28 | 21°13 | 20° 4 | 19°45 | S 26 |
| M27 | 16 54 59 | 14°25'35 | 16°50 | 22° 3 | 29°45 | 27° 5 | 19°14 | 15° 9 | 22°14 | 3°37 | 11°12 | 22°22 | 21°10 | 20°11 | 19°44 | M27 |
| T 28 | 16 58 56 | 15°22'52 | 29°48 | 21°34 | 0 Ω 41 | 27°36 | 19° 7 | 15° 8 | 22°17 | 3°R37 | 11°11 | 22°19 | 21° 7 | 20°18 | 19°44 | T 28 |
| W29 | 17 2 52 | 16°20'09 | 13 ¥ 5 | 21° 3 | 1°38 | 28° 8 | 18°59 | 15° 7 | 22°20 | 3°37 | 11° 9 | 22°D18 | 21° 4 | 20°24 | 19°43 | W29 |
| T 30 | 17 6 49 | 17°17'26 | 26°41 | 20°30 | 2°33 | 28°40 | 18°52 | 15° 6 | 22°23 | 3°37 | 1 <u>1</u> ° 8 | 22°18 | 21° 1 | 20°31 | 19°42 | T 30 |
| F 31 | 17 10 45 | 18 Ⅱ 14'42 | 10 Y 38 | 19 Ⅱ 57 | 3 Ω 29 | 29 Ω 12 | 18 才 44 | 15 ≈ 4 | 22 8 27 | 3 ∺ 37 | 11궁 7 | 22 Υ 19 | 20 Υ 57 | 20M38 | 19 ≈ 41 | F 31 |

Delta T = 244.14 sec

Julian Calendar 1 May 1521 == Greg. Calendar 11 May 1521

JUNE 1521 JC 00:00 UT

| Day | Sid.t | 0 | D | ğ | φ | ♂ | 4 | ħ |)f(| # | Р | r | Ω | Ç | Š | Day |
|------|----------|--------------------|-----------------|----------------|----------------|-----------------|----------------|--------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|------|
| S 1 | 17 14 42 | 19 I I11'58 | 24 Y 57 | 19°R23 | 4 Ω 23 | 29 Ω 45 | 18°R36 | 15°R 3 | 22 8 30 | 3°R37 | 11°R 5 | 22°R19 | 20 Y 54 | 20 M 44 | 19°R40 | S 1 |
| S 2 | 17 18 38 | 20° 9'14 | 9 8 36 | 18 Ⅱ 49 | 5°18 | 0 m)17 | 18 × 29 | 15≈ 1 | 22°33 | 3 ∺ 36 | 11궁 4 | 22 Y 18 | 20°51 | 20°51 | 19≈39 | S 2 |
| M 3 | 17 22 35 | 21° 6'30 | 24°30 | 18°15 | 6°11 | 0°50 | 18°21 | 15° 0 | 22°36 | 3°36 | 11° 3 | 22°15 | 20°48 | 20°58 | 19°38 | M 3 |
| T 4 | 17 26 31 | 22° 3'46 | 9 Ⅱ 34 | 17°43 | 7° 4 | 1°22 | 18°13 | 14°58 | 22°39 | 3°36 | 11° 1 | 22° 9 | 20°45 | 21° 4 | 19°36 | T 4 |
| W 5 | 17 30 28 | 23° 1'01 | 24°37 | 17°13 | 7°57 | 1°55 | 18° 6 | 14°56 | 22°43 | 3°36 | 11° 0 | 22° 1 | 20°42 | 21°11 | 19°35 | W 5 |
| T 6 | 17 34 25 | 23°58'15 | 9930 | 16°45 | 8°49 | 2°28 | 17°58 | 14°54 | 22°46 | 3°36 | 10°58 | 21°52 | 20°38 | 21°18 | 19°34 | T 6 |
| F 7 | 17 38 21 | 24°55'30 | 24° 5 | 16°20 | 9°40 | 3° 1 | 17°50 | 14°52 | 22°49 | 3°35 | 10°57 | 21°43 | 20°35 | 21°24 | 19°32 | F 7 |
| S 8 | 17 42 18 | 25°52'43 | 8 Ω 15 | 15°58 | 10°31 | 3°34 | 17°43 | 14°50 | 22°52 | 3°35 | 10°56 | 21°34 | 20°32 | 21°31 | 19°31 | S 8 |
| S 9 | 17 46 14 | 26°49'57 | 21°57 | 15°39 | 11°21 | 4° 7 | 17°35 | 14°48 | 22°55 | 3°34 | 10°54 | 21°27 | 20°29 | 21°38 | 19°29 | S 9 |
| M10 | 17 50 11 | 27°47'09 | 5 m 10 | 15°25 | 12°10 | 4°41 | 17°28 | 14°46 | 22°58 | 3°34 | 10°53 | 21°23 | 20°26 | 21°44 | 19°28 | M10 |
| T 11 | 17 54 7 | 28°44'21 | 17°58 | 15°15 | 12°58 | 5°14 | 17°20 | 14°43 | 23° 1 | 3°34 | 10°51 | 21°21 | 20°23 | 21°51 | 19°26 | T 11 |
| W12 | 17 58 4 | 29°41'33 | 0 ≏ 23 | 15° 9 | 13°46 | 5°48 | 17°13 | 14°41 | 23° 4 | 3°33 | 10°50 | 21°D20 | 20°19 | 21°58 | 19°25 | W12 |
| T 13 | 18 2 0 | 0938'44 | 12°31 | 15°D 8 | 14°33 | 6°22 | 17° 6 | 14°38 | 23° 7 | 3°33 | 10°48 | 21°21 | 20°16 | 22° 4 | 19°23 | T 13 |
| F 14 | 18 5 57 | 1°35'54 | 24°28 | 15°11 | 15°19 | 6°55 | 16°59 | 14°36 | 23°10 | 3°32 | 10°47 | 21°R21 | 20°13 | 22°11 | 19°21 | F 14 |
| S 15 | 18 9 54 | 2°33'05 | 6 M .17 | 15°19 | 16° 4 | 7°29 | 16°51 | 14°33 | 23°13 | 3°32 | 10°46 | 21°20 | 20°10 | 22°18 | 19°19 | S 15 |
| S 16 | 18 13 50 | 3°30'15 | 18° 5 | 15°33 | 16°48 | 8° 3 | 16°44 | 14°30 | 23°16 | 3°31 | 10°44 | 21°17 | 20° 7 | 22°24 | 19°17 | S 16 |
| M17 | 18 17 47 | 4°27'25 | 29°55 | 15°51 | 17°31 | 8°37 | 16°37 | 14°28 | 23°18 | 3°30 | 10°43 | 21°11 | 20° 3 | 22°31 | 19°16 | M17 |
| T 18 | 18 21 43 | 5°24'34 | 11 ×7 50 | 16°14 | 18°14 | 9°12 | 16°30 | 14°25 | 23°21 | 3°30 | 10°41 | 21° 3 | 20° 0 | 22°38 | 19°14 | T 18 |
| W19 | 18 25 40 | 6°21'44 | 23°54 | 16°43 | 18°55 | 9°46 | 16°24 | 14°22 | 23°24 | 3°29 | 10°40 | 20°53 | 19°57 | 22°44 | 19°12 | W19 |
| T 20 | 18 29 36 | 7°18'54 | 6 ਰ 7 | 17°16 | 19°35 | 10°20 | 16°17 | 14°19 | 23°27 | 3°28 | 10°38 | 20°40 | 19°54 | 22°51 | 19°10 | T 20 |
| F 21 | 18 33 33 | 8°16'04 | 18°31 | 17°54 | 20°14 | 10°55 | 16°10 | 14°16 | 23°29 | 3°28 | 10°37 | 20°28 | 19°51 | 22°58 | 19° 7 | F 21 |
| S 22 | 18 37 29 | 9°13'14 | 1≈ 6 | 18°37 | 20°52 | 11°29 | 16° 4 | 14°12 | 23°32 | 3°27 | 10°35 | 20°15 | 19°48 | 23° 4 | 19° 5 | S 22 |
| S 23 | 18 41 26 | 10°10'24 | 13°52 | 19°25 | 21°29 | 12° 4 | 15°57 | 14° 9 | 23°35 | 3°26 | 10°34 | 20° 5 | 19°44 | 23°11 | 19° 3 | S 23 |
| M24 | 18 45 23 | 11° 7'34 | 26°50 | 20°17 | 22° 5 | 12°39 | 15°51 | 14° 6 | 23°37 | 3°25 | 10°32 | 19°56 | 19°41 | 23°18 | 19° 1 | M24 |
| T 25 | 18 49 19 | 12° 4'45 | 10 米 0 | 21°15 | 22°39 | 13°14 | 15°45 | 14° 2 | 23°40 | 3°24 | 10°31 | 19°51 | 19°38 | 23°24 | 18°59 | T 25 |
| W26 | 18 53 16 | 13° 1'56 | 23°22 | 22°17 | 23°12 | 13°49 | 15°39 | 13°59 | 23°43 | 3°23 | 10°29 | 19°48 | 19°35 | 23°31 | 18°56 | W26 |
| T 27 | 18 57 12 | 13°59'08 | 6 Ƴ 59 | 23°23 | 23°44 | 14°24 | 15°33 | 13°55 | 23°45 | 3°22 | 10°28 | 19°47 | 19°32 | 23°38 | 18°54 | T 27 |
| F 28 | 19 1 9 | 14°56'21 | 20°50 | 24°35 | 24°14 | 14°59 | 15°27 | 13°52 | 23°48 | 3°22 | 10°26 | 19°47 | 19°29 | 23°44 | 18°51 | F 28 |
| S 29 | 19 5 5 | 15°53'34 | 4 8 58 | 25°50 | 24°43 | 15°34 | 15°21 | 13°48 | 23°50 | 3°21 | 10°25 | 19°46 | 19°25 | 23°51 | 18°49 | S 29 |
| S 30 | 19 9 2 | 16950'48 | 19820 | 27耳10 | 25 Ω 11 | 16 M)10 | 15 ₹ 15 | 13≈45 | 23 8 52 | 3 ∺ 20 | 10 る 23 | 19 Ƴ 44 | 19 Y 22 | 23M58 | 18 ≈ 46 | S 30 |

Delta T = 243.95 sec

JULY 1521 JC 00:00 UT

| Day | Sid.t | 0 | D | ğ | φ | ð | 4 | ħ |)f(| Ħ | Р | ß | Ω | Ç | ę, | Day |
|------|----------|-------------------|---------------|----------------|----------------|-----------------|-----------------|----------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|------|
| M 1 | 19 12 58 | 179548'02 | 3耳55 | 28∏35 | 25 Ω 37 | 16 M)45 | 15°R10 | 13°R41 | 23 8 55 | 3°R19 | 10°R22 | 19°R40 | 19 Y 19 | 24M 4 | 18°R44 | M 1 |
| T 2 | 19 16 55 | 18°45'18 | 18°38 | 099 3 | 26° 1 | 17°21 | 15 ×7 5 | 13≈37 | 23°57 | 3 ∺ 18 | 10 궁 20 | 19 Y 33 | 19°16 | 24°11 | 18 ≈ 41 | T 2 |
| W 3 | 19 20 52 | 19°42'34 | 39522 | 1°36 | 26°23 | 17°56 | 15° 0 | 13°33 | 24° 0 | 3°17 | 10°19 | 19°23 | 19°13 | 24°18 | 18°39 | W 3 |
| T 4 | 19 24 48 | 20°39'50 | 18° 0 | 3°12 | 26°44 | 18°32 | 14°55 | 13°29 | 24° 2 | 3°15 | 10°18 | 19°12 | 19° 9 | 24°24 | 18°36 | T 4 |
| F 5 | 19 28 45 | 21°37'07 | 2 Ω 24 | 4°53 | 27° 3 | 19°8 | 14°50 | 13°25 | 24° 4 | 3°14 | 10°16 | 19° 1 | 19° 6 | 24°31 | 18°33 | F 5 |
| S 6 | 19 32 41 | 22°34'25 | 16°27 | 6°37 | 27°20 | 19°44 | 14°45 | 13°21 | 24° 6 | 3°13 | 10°15 | 18°50 | 19° 3 | 24°38 | 18°31 | S 6 |
| S 7 | 19 36 38 | 23°31'43 | 0Mp 6 | 8°24 | 27°35 | 20°20 | 14°40 | 13°17 | 24° 8 | 3°12 | 10°13 | 18°41 | 19° 0 | 24°44 | 18°28 | S 7 |
| M 8 | 19 40 34 | 24°29'01 | 13°19 | 10°14 | 27°49 | 20°56 | 14°36 | 13°13 | 24°11 | 3°11 | 10°12 | 18°35 | 18°57 | 24°51 | 18°25 | M 8 |
| T 9 | 19 44 31 | 25°26'20 | 26° 7 | 12° 8 | 28° 0 | 21°32 | 14°32 | 13° 9 | 24°13 | 3°10 | 10°10 | 18°32 | 18°54 | 24°58 | 18°22 | T 9 |
| W10 | 19 48 28 | 26°23'39 | 8 ≏ 34 | 14° 4 | 28° 9 | 22° 9 | 14°28 | 13° 5 | 24°15 | 3° 8 | 10° 9 | 18°30 | 18°50 | 25° 4 | 18°19 | W10 |
| T 11 | 19 52 24 | 27°20'59 | 20°43 | 16° 2 | 28°16 | 22°45 | 14°24 | 13° 1 | 24°17 | 3° 7 | 10° 8 | 18°30 | 18°47 | 25°11 | 18°17 | T 11 |
| F 12 | 19 56 21 | 28°18'19 | 2 M 40 | 18° 3 | 28°21 | 23°22 | 14°20 | 12°56 | 24°19 | 3° 6 | 10° 6 | 18°30 | 18°44 | 25°18 | 18°14 | F 12 |
| S 13 | 20 0 17 | 29°15'40 | 14°31 | 20° 5 | 28°23 | 23°58 | 14°16 | 12°52 | 24°21 | 3° 5 | 10° 5 | 18°29 | 18°41 | 25°25 | 18°11 | S 13 |
| S 14 | 20 4 14 | 0 Ω 13'01 | 26°20 | 22° 8 | 28°R23 | 24°35 | 14°13 | 12°48 | 24°22 | 3° 3 | 10° 3 | 18°26 | 18°38 | 25°31 | 18° 8 | S 14 |
| M15 | 20 8 10 | 1°10'23 | 8 ∡ 13 | 24°13 | 28°21 | 25°11 | 14°10 | 12°44 | 24°24 | 3° 2 | 10° 2 | 18°21 | 18°35 | 25°38 | 18° 5 | M15 |
| T 16 | 20 12 7 | 2° 7'46 | 20°14 | 26°18 | 28°16 | 25°48 | 14° 7 | 12°39 | 24°26 | 3° 1 | 10° 1 | 18°14 | 18°31 | 25°45 | 18° 2 | T 16 |
| W17 | 20 16 3 | 3° 5'09 | 2 ප 25 | 28°23 | 28° 9 | 26°25 | 14° 4 | 12°35 | 24°28 | 2°59 | 9°59 | 18° 4 | 18°28 | 25°51 | 17°59 | W17 |
| T 18 | 20 20 0 | 4° 2'34 | 14°49 | $0\Omega_{28}$ | 28° 0 | 27° 2 | 14° 1 | 12°30 | 24°29 | 2°58 | 9°58 | 17°52 | 18°25 | 25°58 | 17°56 | T 18 |
| F 19 | 20 23 57 | 4°59'59 | 27°28 | 2°34 | 27°48 | 27°39 | 13°59 | 12°26 | 24°31 | 2°57 | 9°57 | 17°40 | 18°22 | 26° 5 | 17°53 | F 19 |
| S 20 | 20 27 53 | 5°57'25 | 10≈21 | 4°38 | 27°34 | 28°16 | 13°56 | 12°22 | 24°33 | 2°55 | 9°56 | 17°28 | 18°19 | 26°11 | 17°50 | S 20 |
| S 21 | 20 31 50 | 6°54'52 | 23°27 | 6°42 | 27°18 | 28°53 | 13°54 | 12°17 | 24°34 | 2°54 | 9°54 | 17°18 | 18°15 | 26°18 | 17°47 | S 21 |
| M22 | 20 35 46 | 7°52'20 | 6) 46 | 8°46 | 26°59 | 29°31 | 13°52 | 12°13 | 24°36 | 2°52 | 9°53 | 17°10 | 18°12 | 26°25 | 17°44 | M22 |
| T 23 | 20 39 43 | 8°49'49 | 20°15 | 10°48 | 26°38 | 0 亚 8 | 13°50 | 12° 8 | 24°37 | 2°51 | 9°52 | 17° 5 | 18° 9 | 26°31 | 17°41 | T 23 |
| W24 | 20 43 39 | 9°47'20 | 3 ℃ 54 | 12°49 | 26°15 | 0°45 | 13°49 | 12° 4 | 24°39 | 2°49 | 9°50 | 17° 2 | 18° 6 | 26°38 | 17°37 | W24 |
| T 25 | 20 47 36 | 10°44'52 | 17°42 | 14°49 | 25°50 | 1°23 | 13°47 | 11°59 | 24°40 | 2°48 | 9°49 | 17°D 2 | 18° 3 | 26°45 | 17°34 | T 25 |
| F 26 | 20 51 32 | 11°42'25 | 1 8 38 | 16°48 | 25°22 | 2° 1 | 13°46 | 11°55 | 24°41 | 2°46 | 9°48 | 17° 2 | 18° 0 | 26°51 | 17°31 | F 26 |
| S 27 | 20 55 29 | 12°40'00 | 15°43 | 18°46 | 24°53 | 2°38 | 13°45 | 11°50 | 24°43 | 2°45 | 9°47 | 17°R 2 | 17°56 | 26°58 | 17°28 | S 27 |
| S 28 | 20 59 26 | 13°37'37 | 29°54 | 20°42 | 24°23 | 3°16 | 13°44 | 11°46 | 24°44 | 2°43 | 9°46 | 17° 1 | 17°53 | 27° 5 | 17°25 | S 28 |
| M29 | 21 3 22 | 14°35'15 | 14∏12 | 22°36 | 23°50 | 3°54 | 13°44 | 11°41 | 24°45 | 2°42 | 9°45 | 16°58 | 17°50 | 27°11 | 17°22 | M29 |
| T 30 | 21 7 19 | 15°32'55 | 28°32 | 24°30 | 23°17 | 4°32 | 13°43 | 11°37 | 24°46 | 2°40 | 9°43 | 16°53 | 17°47 | 27°18 | 17°19 | T 30 |
| W31 | 21 11 15 | 16 Ω 30'36 | 12951 | 26 Ω 22 | 22 N 42 | 5 ≙ 10 | 13 ∡ 143 | 11 ≈ 32 | 24 8 48 | 2 ∺ 39 | 9 る 42 | 16 Y 45 | 17 Y 44 | 27 M 25 | 17≈15 | W31 |

Delta T = 243.77 sec

Julian Calendar 1 July 1521 == Greg. Calendar 11 July 1521

AUGUST 1521 JC Day Sid.t Ο Σ Q σ Q

| Day | Sia.t | 0 | 2) | ¥ | ¥ | σ. | 4 | η | ጥ | ¥ | E | 9.9 | 9.6 | \$ | 6 | Day |
|------|----------|--------------------|-----------------|----------------|-----------------|----------------|-----------------|---------------|----------------|-----------------|---------------|----------------|----------------|----------------|----------------|------|
| T 1 | 21 15 12 | 17 Ω 28'19 | 2799 3 | 28 Ω 12 | 22°R 7 | 5 ≙ 48 | 13°D43 | 11°R28 | 24 8 49 | 2°R37 | 9°R41 | 16°R36 | 17 Y 41 | 27 M 31 | 17°R12 | T 1 |
| F 2 | 21 19 8 | 18°26'03 | 11 0 5 | 0 m) 1 | 21 Q 30 | 6°26 | 13 ×7 43 | 11≈24 | 24°50 | 2 ∺ 36 | 9 る 40 | 16 Y 26 | 17°37 | 27°38 | 17≈ 9 | F 2 |
| S 3 | 21 23 5 | 19°23'48 | 24°50 | 1°49 | 20°53 | 7° 4 | 13°43 | 11°19 | 24°51 | 2°34 | 9°39 | 16°18 | 17°34 | 27°45 | 17° 6 | S 3 |
| S 4 | 21 27 1 | 20°21'35 | 8 m)16 | 3°35 | 20°16 | 7°43 | 13°43 | 11°15 | 24°51 | 2°32 | 9°38 | 16°10 | 17°31 | 27°51 | 17° 3 | S 4 |
| M 5 | 21 30 58 | 21°19'23 | 21°20 | 5°19 | 19°39 | 8°21 | 13°44 | 11°10 | 24°52 | 2°31 | 9°37 | 16° 5 | 17°28 | 27°58 | 17° 0 | M 5 |
| T 6 | 21 34 55 | 22°17'13 | 4 º 4 | 7° 3 | 19° 2 | 9° 0 | 13°45 | 11° 6 | 24°53 | 2°29 | 9°36 | 16° 3 | 17°25 | 28° 5 | 16°57 | T 6 |
| W 7 | 21 38 51 | 23°15'03 | 16°29 | 8°45 | 18°26 | 9°38 | 13°46 | 11° 2 | 24°54 | 2°28 | 9°35 | 16°D 2 | 17°21 | 28°11 | 16°53 | W 7 |
| T 8 | 21 42 48 | 24°12'55 | 28°38 | 10°25 | 17°50 | 10°17 | 13°47 | 10°57 | 24°55 | 2°26 | 9°34 | 16° 2 | 17°18 | 28°18 | 16°50 | T 8 |
| F 9 | 21 46 44 | 25°10'49 | 10 M .36 | 12° 5 | 17°15 | 10°55 | 13°48 | 10°53 | 24°55 | 2°24 | 9°33 | 16° 4 | 17°15 | 28°25 | 16°47 | F 9 |
| S 10 | 21 50 41 | 26° 8'43 | 22°27 | 13°43 | 16°41 | 11°34 | 13°50 | 10°49 | 24°56 | 2°23 | 9°32 | 16°R 4 | 17°12 | 28°31 | 16°44 | S 10 |
| S 11 | 21 54 37 | 27° 6'39 | 4 ₹ 18 | 15°19 | 16° 8 | 12°13 | 13°52 | 10°45 | 24°56 | 2°21 | 9°31 | 16° 4 | 17° 9 | 28°38 | 16°41 | S 11 |
| M12 | 21 58 34 | 28° 4'36 | 16°12 | 16°55 | 15°37 | 12°52 | 13°54 | 10°40 | 24°57 | 2°19 | 9°30 | 16° 2 | 17° 6 | 28°45 | 16°38 | M12 |
| T 13 | 22 2 30 | 29° 2'35 | 28°15 | 18°29 | 15° 8 | 13°31 | 13°56 | 10°36 | 24°57 | 2°18 | 9°30 | 15°58 | 17° 2 | 28°51 | 16°35 | T 13 |
| W14 | 22 6 27 | 0 Mg 0'35 | 10 る 32 | 20° 1 | 14°40 | 14°10 | 13°58 | 10°32 | 24°58 | 2°16 | 9°29 | 15°53 | 16°59 | 28°58 | 16°32 | W14 |
| T 15 | 22 10 24 | 0°58'37 | 23° 4 | 21°33 | 14°15 | 14°49 | 14° 0 | 10°28 | 24°58 | 2°14 | 9°28 | 15°46 | 16°56 | 29° 5 | 16°29 | T 15 |
| F 16 | 22 14 20 | 1°56'40 | 5≈54 | 23° 3 | 13°51 | 15°29 | 14° 3 | 10°24 | 24°58 | 2°13 | 9°27 | 15°38 | 16°53 | 29°12 | 16°26 | F 16 |
| S 17 | 22 18 17 | 2°54'44 | 19° 2 | 24°31 | 13°30 | 16° 8 | 14° 6 | 10°20 | 24°59 | 2°11 | 9°27 | 15°31 | 16°50 | 29°18 | 16°23 | S 17 |
| S 18 | 22 22 13 | 3°52'50 | 2) 28 | 25°59 | 13°11 | 16°47 | 14° 9 | 10°16 | 24°59 | 2°10 | 9°26 | 15°25 | 16°47 | 29°25 | 16°20 | S 18 |
| M19 | 22 26 10 | 4°50'58 | 16°10 | 27°25 | 12°54 | 17°27 | 14°12 | 10°12 | 24°59 | 2° 8 | 9°25 | 15°20 | 16°43 | 29°32 | 16°17 | M19 |
| T 20 | 22 30 6 | 5°49'08 | 0 Υ 5 | 28°50 | 12°40 | 18° 6 | 14°16 | 10° 8 | 24°59 | 2° 6 | 9°24 | 15°17 | 16°40 | 29°38 | 16°14 | T 20 |
| W21 | 22 34 3 | 6°47'19 | 14° 8 | 0 ჲ 13 | 12°28 | 18°46 | 14°19 | 10° 5 | 24°59 | 2° 5 | 9°24 | 15°D16 | 16°37 | 29°45 | 16°11 | W21 |
| T 22 | 22 37 59 | 7°45'33 | 28°18 | 1°35 | 12°18 | 19°26 | 14°23 | 10° 1 | 24°R59 | 2° 3 | 9°23 | 15°17 | 16°34 | 29°52 | 16° 8 | T 22 |
| F 23 | 22 41 56 | 8°43'48 | 12831 | 2°55 | 12°11 | 20° 5 | 14°27 | 9°57 | 24°59 | 2° 1 | 9°23 | 15°18 | 16°31 | 29°58 | 16° 6 | F 23 |
| S 24 | 22 45 53 | 9°42'06 | 26°44 | 4°14 | 12° 6 | 20°45 | 14°31 | 9°54 | 24°59 | 2° 0 | 9°22 | 15°19 | 16°27 | 0 ≯ 5 | 16° 3 | S 24 |
| S 25 | 22 49 49 | 10°40'26 | 10耳55 | 5°32 | 12°D 4 | 21°25 | 14°35 | 9°50 | 24°59 | 1°58 | 9°21 | 15°R20 | 16°24 | 0°12 | 16° 0 | S 25 |
| M26 | 22 53 46 | 11°38'48 | 25° 3 | 6°48 | 12° 4 | 22° 5 | 14°39 | 9°47 | 24°59 | 1°56 | 9°21 | 15°19 | 16°21 | 0°18 | 15°57 | M26 |
| T 27 | 22 57 42 | 12°37'12 | 995 6 | 8° 2 | 12° 7 | 22°45 | 14°44 | 9°43 | 24°59 | 1°55 | 9°21 | 15°17 | 16°18 | 0°25 | 15°55 | T 27 |
| W28 | 23 1 39 | 13°35'39 | 23° 2 | 9°15 | 12°11 | 23°25 | 14°49 | 9°40 | 24°58 | 1°53 | 9°20 | 15°13 | 16°15 | 0°32 | 15°52 | W28 |
| T 29 | 23 5 35 | 14°34'07 | 6 Ω 48 | 10°25 | 12°18 | 24° 5 | 14°54 | 9°37 | 24°58 | 1°52 | 9°20 | 15° 9 | 16°12 | 0°38 | 15°49 | T 29 |
| F 30 | 23 9 32 | 15°32'38 | 20°22 | 11°34 | 12°28 | 24°46 | 14°59 | 9°34 | 24°57 | 1°50 | 9°19 | 15° 4 | 16° 8 | 0°45 | 15°47 | F 30 |
| S 31 | 23 13 28 | 16 m y31'10 | 3 Mp 42 | 12 ≏ 41 | 12 \O 39 | 25 ≏ 26 | 15 ₹ 4 | 9 ≈ 30 | 24 8 57 | 1) (48 | 9 궁 19 | 15 ℃ 0 | 16 ℃ 5 | 0 ≯ 52 | 15 ≈ 44 | S 31 |

Delta T = 243.57 sec

SEPTEMBER 1521 JC 00:00 UT

| Day | Sid.t | 0 | D | ğ | Ŷ. | ď | 4 | ħ |)f(| ħ | Р | ₽. | v | Ç | Q K | Day |
|------|----------|-------------------|-----------------|----------------|----------------|----------------|-----------------|---------------|----------------|-----------------|---------------|----------------|----------------|----------------|----------------|------|
| S 1 | 23 17 25 | 17 m 29'45 | 16 M)47 | 13 ≏ 46 | 12 Ω 52 | 26 ♀ 6 | 15 × 9 | 9°R27 | 24°R57 | 1°R47 | 9°R19 | 14°R56 | 16 Y 2 | 0 ∡ 758 | 15°R42 | S 1 |
| M 2 | 23 21 22 | 18°28'21 | 29°36 | 14°48 | 13° 8 | 26°47 | 15°15 | 9≈24 | 24 8 56 | 1) (45 | 9 ට 18 | 14 Y 54 | 15°59 | 1° 5 | 15 ≈ 39 | M 2 |
| T 3 | 23 25 18 | 19°26'59 | 12 ♀ 9 | 15°48 | 13°25 | 27°28 | 15°21 | 9°21 | 24°55 | 1°44 | 9°18 | 14°D53 | 15°56 | 1°12 | 15°37 | T 3 |
| W 4 | 23 29 15 | 20°25'39 | 24°28 | 16°46 | 13°45 | 28° 8 | 15°26 | 9°19 | 24°55 | 1°42 | 9°18 | 14°53 | 15°53 | 1°19 | 15°34 | W 4 |
| T 5 | 23 33 11 | 21°24'22 | 6 M .34 | 17°40 | 14° 6 | 28°49 | 15°32 | 9°16 | 24°54 | 1°41 | 9°17 | 14°55 | 15°49 | 1°25 | 15°32 | T 5 |
| F 6 | 23 37 8 | 22°23'05 | 18°30 | 18°32 | 14°29 | 29°30 | 15°39 | 9°13 | 24°53 | 1°39 | 9°17 | 14°56 | 15°46 | 1°32 | 15°30 | F 6 |
| S 7 | 23 41 4 | 23°21'51 | 0 ₹ 21 | 19°21 | 14°53 | 0 M .11 | 15°45 | 9°11 | 24°52 | 1°38 | 9°17 | 14°58 | 15°43 | 1°39 | 15°27 | S 7 |
| S 8 | 23 45 1 | 24°20'39 | 12°12 | 20° 5 | 15°20 | 0°51 | 15°52 | 9° 8 | 24°52 | 1°36 | 9°17 | 14°59 | 15°40 | 1°45 | 15°25 | S 8 |
| M 9 | 23 48 57 | 25°19'28 | 24° 6 | 20°47 | 15°48 | 1°32 | 15°58 | 9° 6 | 24°51 | 1°35 | 9°17 | 15°R 0 | 15°37 | 1°52 | 15°23 | M 9 |
| T 10 | 23 52 54 | 26°18'19 | 8 වි | 21°24 | 16°17 | 2°14 | 16° 5 | 9° 3 | 24°50 | 1°33 | 9°17 | 14°59 | 15°33 | 1°59 | 15°21 | T 10 |
| W11 | 23 56 51 | 27°17'12 | 18°24 | 21°56 | 16°48 | 2°55 | 16°12 | 9° 1 | 24°49 | 1°32 | 9°17 | 14°58 | 15°30 | 2° 5 | 15°19 | W11 |
| T 12 | 0 0 47 | 28°16'06 | 0≈58 | 22°24 | 17°21 | 3°36 | 16°19 | 8°59 | 24°48 | 1°30 | 9°D17 | 14°56 | 15°27 | 2°12 | 15°17 | T 12 |
| F 13 | 0 4 44 | 29°15'03 | 13°51 | 22°47 | 17°55 | 4°17 | 16°26 | 8°57 | 24°47 | 1°29 | 9°17 | 14°54 | 15°24 | 2°19 | 15°15 | F 13 |
| S 14 | 0 8 40 | 0 ჲ 14'01 | 27° 8 | 23° 4 | 18°30 | 4°59 | 16°34 | 8°55 | 24°46 | 1°28 | 9°17 | 14°52 | 15°21 | 2°25 | 15°13 | S 14 |
| S 15 | 0 12 37 | 1°13'01 | 10) 47 | 23°14 | 19° 6 | 5°40 | 16°41 | 8°53 | 24°44 | 1°26 | 9°17 | 14°50 | 15°18 | 2°32 | 15°11 | S 15 |
| M16 | 0 16 33 | 2°12'03 | 24°47 | 23°R19 | 19°44 | 6°21 | 16°49 | 8°51 | 24°43 | 1°25 | 9°17 | 14°49 | 15°14 | 2°39 | 15° 9 | M16 |
| T 17 | 0 20 30 | 3°11'07 | 9 Y 5 | 23°16 | 20°23 | 7° 3 | 16°57 | 8°50 | 24°42 | 1°23 | 9°17 | 14°D48 | 15°11 | 2°45 | 15° 7 | T 17 |
| W18 | 0 24 26 | 4°10'13 | 23°35 | 23° 6 | 21° 3 | 7°45 | 17° 4 | 8°48 | 24°41 | 1°22 | 9°17 | 14°48 | 15° 8 | 2°52 | 15° 6 | W18 |
| T 19 | 0 28 23 | 5° 9'21 | 8 8 13 | 22°49 | 21°45 | 8°26 | 17°13 | 8°46 | 24°39 | 1°21 | 9°17 | 14°49 | 15° 5 | 2°59 | 15° 4 | T 19 |
| F 20 | 0 32 19 | 6° 8'32 | 22°50 | 22°23 | 22°27 | 9° 8 | 17°21 | 8°45 | 24°38 | 1°19 | 9°18 | 14°50 | 15° 2 | 3° 5 | 15° 2 | F 20 |
| S 21 | 0 36 16 | 7° 7'45 | 7 Ⅱ 23 | 21°50 | 23°11 | 9°50 | 17°29 | 8°44 | 24°36 | 1°18 | 9°18 | 14°50 | 14°58 | 3°12 | 15° 1 | S 21 |
| S 22 | 0 40 13 | 8° 7'00 | 21°47 | 21° 9 | 23°55 | 10°32 | 17°37 | 8°43 | 24°35 | 1°17 | 9°18 | 14°51 | 14°55 | 3°19 | 14°59 | S 22 |
| M23 | 0 44 9 | 9° 6'18 | 5 9 57 | 20°20 | 24°41 | 11°14 | 17°46 | 8°41 | 24°33 | 1°16 | 9°19 | 14°R51 | 14°52 | 3°26 | 14°58 | M23 |
| T 24 | 0 48 6 | 10° 5'38 | 19°53 | 19°23 | 25°27 | 11°56 | 17°55 | 8°40 | 24°32 | 1°15 | 9°19 | 14°51 | 14°49 | 3°32 | 14°57 | T 24 |
| W25 | 0 52 2 | 11° 5'01 | 3 Ω 34 | 18°21 | 26°15 | 12°38 | 18° 4 | 8°39 | 24°30 | 1°13 | 9°19 | 14°51 | 14°46 | 3°39 | 14°55 | W25 |
| T 26 | 0 55 59 | 12° 4'25 | 16°59 | 17°14 | 27° 3 | 13°20 | 18°13 | 8°39 | 24°29 | 1°12 | 9°20 | 14°50 | 14°43 | 3°46 | 14°54 | T 26 |
| F 27 | 0 59 55 | 13° 3'52 | 0 m 10 | 16° 3 | 27°52 | 14° 2 | 18°22 | 8°38 | 24°27 | 1°11 | 9°20 | 14°50 | 14°39 | 3°52 | 14°53 | F 27 |
| S 28 | 1 3 52 | 14° 3'22 | 13° 6 | 14°50 | 28°42 | 14°45 | 18°31 | 8°37 | 24°25 | 1°10 | 9°21 | 14°50 | 14°36 | 3°59 | 14°52 | S 28 |
| S 29 | 1 7 48 | 15° 2'53 | 25°49 | 13°38 | 29°32 | 15°27 | 18°40 | 8°37 | 24°23 | 1° 9 | 9°21 | 14°D50 | 14°33 | 4° 6 | 14°51 | S 29 |
| M30 | 1 11 45 | 16 ♀ 2'26 | 8 ≏ 19 | 12 ≏ 27 | 0 m 24 | 16 M 10 | 18 × 750 | 8 ≈ 36 | 24822 | 1) 8 | 9 る 22 | 14°R50 | 14 Y 30 | 4 ₹ 12 | 14≈50 | M30 |

Delta T = 243.38 sec

Julian Calendar 1 Sept. 1521 == Greg. Calendar 11 Sept. 1521

OCTOBER 1521 JC 00:00 UT

| Day | Sid.t | \odot | 2) | · | Ŷ | σ | 4 | ħ | ∦(| 4 | E | ₹ ₋ S | 83 | ţ | δ | Day |
|------|---------|------------------|-----------------|----------------|-----------------|---------------|-----------------|-------|----------------|---------------|---------------|------------------|----------------|----------------|--------|------|
| T 1 | 1 15 42 | 17♀ 2'02 | 20 ჲ 38 | 11°R22 | 1 m) 16 | 16M52 | 18 × 759 | 8°R36 | 24°R20 | 1°R 7 | 9 3 22 | 14°R50 | 14 Y 27 | 4 ₹ 19 | 14°R49 | T 1 |
| W 2 | 1 19 38 | 18° 1'40 | 2 M 47 | 10 ≏ 22 | 2° 9 | 17°35 | 19° 9 | 8≈36 | 24 8 18 | 1 ∺ 6 | 9°23 | 14 Y 50 | 14°24 | 4°26 | 14≈48 | W 2 |
| T 3 | 1 23 35 | 19° 1'20 | 14°47 | 9°31 | 3° 2 | 18°17 | 19°19 | 8°36 | 24°16 | 1° 5 | 9°23 | 14°50 | 14°20 | 4°32 | 14°47 | T 3 |
| F 4 | 1 27 31 | 20° 1'01 | 26°40 | 8°49 | 3°56 | 19° 0 | 19°28 | 8°D36 | 24°14 | 1° 4 | 9°24 | 14°49 | 14°17 | 4°39 | 14°46 | F 4 |
| S 5 | 1 31 28 | 21° 0'45 | 8 ~ 31 | 8°18 | 4°51 | 19°43 | 19°38 | 8°36 | 24°12 | 1° 3 | 9°25 | 14°48 | 14°14 | 4°46 | 14°45 | S 5 |
| S 6 | 1 35 24 | 22° 0'30 | 20°20 | 7°57 | 5°46 | 20°26 | 19°49 | 8°36 | 24°10 | 1° 2 | 9°25 | 14°47 | 14°11 | 4°53 | 14°45 | S 6 |
| M 7 | 1 39 21 | 23° 0'17 | 2 ප 13 | 7°D48 | 6°42 | 21° 9 | 19°59 | 8°36 | 24° 8 | 1° 1 | 9°26 | 14°46 | 14° 8 | 4°59 | 14°44 | M 7 |
| T 8 | 1 43 17 | 24° 0'06 | 14°14 | 7°50 | 7°39 | 21°52 | 20° 9 | 8°36 | 24° 6 | 1° 0 | 9°27 | 14°46 | 14° 4 | 5° 6 | 14°44 | T 8 |
| W 9 | 1 47 14 | 24°59'57 | 26°26 | 8° 4 | 8°36 | 22°35 | 20°20 | 8°37 | 24° 4 | 1° 0 | 9°28 | 14°D46 | 14° 1 | 5°13 | 14°43 | W 9 |
| T 10 | 1 51 11 | 25°59'50 | 8≈55 | 8°27 | 9°33 | 23°18 | 20°30 | 8°38 | 24° 2 | 0°59 | 9°29 | 14°46 | 13°58 | 5°19 | 14°43 | T 10 |
| F 11 | 1 55 7 | 26°59'44 | 21°45 | 9° 0 | 10°32 | 24° 1 | 20°41 | 8°38 | 24° 0 | 0°58 | 9°29 | 14°47 | 13°55 | 5°26 | 14°43 | F 11 |
| S 12 | 1 59 4 | 27°59'39 | 4 ∺ 58 | 9°42 | 11°30 | 24°44 | 20°51 | 8°39 | 23°58 | 0°57 | 9°30 | 14°48 | 13°52 | 5°33 | 14°42 | S 12 |
| S 13 | 2 3 0 | 28°59'37 | 18°38 | 10°32 | 12°29 | 25°28 | 21° 2 | 8°40 | 23°55 | 0°57 | 9°31 | 14°49 | 13°49 | 5°39 | 14°42 | S 13 |
| M14 | 2 6 57 | 29°59'36 | 2 Υ 44 | 11°29 | 13°29 | 26°11 | 21°13 | 8°41 | 23°53 | 0°56 | 9°32 | 14°50 | 13°45 | 5°46 | 14°42 | M14 |
| T 15 | 2 10 53 | OM 59'36 | 17°15 | 12°33 | 14°29 | 26°55 | 21°24 | 8°42 | 23°51 | 0°55 | 9°33 | 14°R50 | 13°42 | 5°53 | 14°D42 | T 15 |
| W16 | 2 14 50 | 1°59'39 | 2 8 4 | 13°42 | 15°29 | 27°38 | 21°35 | 8°43 | 23°49 | 0°55 | 9°34 | 14°49 | 13°39 | 5°59 | 14°42 | W16 |
| T 17 | 2 18 46 | 2°59'44 | 17° 5 | 14°55 | 16°30 | 28°22 | 21°46 | 8°45 | 23°46 | 0°54 | 9°35 | 14°48 | 13°36 | 6° 6 | 14°42 | T 17 |
| F 18 | 2 22 43 | 3°59'50 | 2 I I10 | 16°13 | 17°32 | 29° 5 | 21°58 | 8°46 | 23°44 | 0°54 | 9°36 | 14°46 | 13°33 | 6°13 | 14°42 | F 18 |
| S 19 | 2 26 40 | 4°59'59 | 17° 8 | 17°34 | 18°33 | 29°49 | 22° 9 | 8°47 | 23°42 | 0°53 | 9°37 | 14°43 | 13°30 | 6°20 | 14°42 | S 19 |
| S 20 | 2 30 36 | 6° 0'10 | 1952 | 18°58 | 19°35 | 0 ₮ 33 | 22°20 | 8°49 | 23°39 | 0°53 | 9°38 | 14°40 | 13°26 | 6°26 | 14°43 | S 20 |
| M21 | 2 34 33 | 7° 0'23 | 16°16 | 20°25 | 20°38 | 1°17 | 22°32 | 8°51 | 23°37 | 0°52 | 9°39 | 14°38 | 13°23 | 6°33 | 14°43 | M21 |
| T 22 | 2 38 29 | 8° 0'38 | 0 Ω 18 | 21°53 | 21°41 | 2° 0 | 22°44 | 8°53 | 23°35 | 0°52 | 9°41 | 14°37 | 13°20 | 6°40 | 14°44 | T 22 |
| W23 | 2 42 26 | 9° 0'55 | 13°56 | 23°24 | 22°44 | 2°44 | 22°55 | 8°54 | 23°32 | 0°51 | 9°42 | 14°D37 | 13°17 | 6°46 | 14°44 | W23 |
| T 24 | 2 46 22 | 10° 1'14 | 27°11 | 24°55 | 23°48 | 3°28 | 23° 7 | 8°56 | 23°30 | 0°51 | 9°43 | 14°38 | 13°14 | 6°53 | 14°45 | T 24 |
| F 25 | 2 50 19 | 11° 1'34 | 10 m , 7 | 26°28 | 24°51 | 4°12 | 23°19 | 8°59 | 23°27 | 0°51 | 9°44 | 14°39 | 13°10 | 7° 0 | 14°45 | F 25 |
| S 26 | 2 54 15 | 12° 1'57 | 22°46 | 28° 1 | 25°56 | 4°57 | 23°31 | 9° 1 | 23°25 | 0°50 | 9°45 | 14°41 | 13° 7 | 7° 6 | 14°46 | S 26 |
| S 27 | 2 58 12 | 13° 2'22 | 5 ≙ 11 | 29°36 | 27° 0 | 5°41 | 23°43 | 9° 3 | 23°22 | 0°50 | 9°47 | 14°42 | 13° 4 | 7°13 | 14°47 | S 27 |
| M28 | 3 2 9 | 14° 2'49 | 17°24 | 1 M .10 | 28° 5 | 6°25 | 23°55 | 9° 5 | 23°20 | 0°50 | 9°48 | 14°R43 | 13° 1 | 7°20 | 14°47 | M28 |
| T 29 | 3 6 5 | 15° 3'17 | 29°30 | 2°45 | 29°10 | 7° 9 | 24° 7 | 9° 8 | 23°18 | 0°50 | 9°49 | 14°42 | 12°58 | 7°27 | 14°48 | T 29 |
| W30 | 3 10 2 | 16° 3'47 | 11 M 28 | 4°21 | 0 ჲ 16 | 7°54 | 24°19 | 9°10 | 23°15 | 0°50 | 9°51 | 14°39 | 12°55 | 7°33 | 14°49 | W30 |
| T 31 | 3 13 58 | 17 M 4'19 | 23 M 23 | 5 M .56 | 1 ≏ 21 | 8 ₮ 38 | 24 × 32 | 9≈13 | 23 8 13 | 0 ∺ 50 | 9 る 52 | 14 Y 35 | 12 Υ 51 | 7 , ₹40 | 14≈50 | T 31 |
| | | | | | | | | | | | | | | | | |

Delta T = 243.19 sec

NOVEMBER 1521 JC 00:00 UT

| Day | Sid.t | 0 | D | ğ | φ | ď | 4 | ħ |)∤(| ¥ | Р | n | v | ţ | ę, | Day |
|--------------|-------------------|--------------------------------|--------------------------|--------------------------------------|-----------------------|--------------------------------|----------------------|-------------------------|------------------------|---------------------------|--------------------------|-------------------------|-------------------------|-----------------|-------------------------|--------------|
| F 1 | 3 17 55 | 18 M 4'53 | 5 √ 14 | 7 M 32 | 2 ≏ 27 | 9 ∡ 123 | 24 ৴ 44 | 9≈16 | 23°R10 | 0°R49 | 9 궁 53 | 14°R29 | 12 Y 48 | 7 √ 47 | 14≈51 | F 1 |
| S 2 | 3 21 51 | 19° 5'28 | 17° 4 | 9° 8 | 3°34 | 10° 7 | 24°56 | 9°19 | 238 8 | 0 ∺ 49 | 9°55 | 14 Y 22 | 12°45 | 7°53 | 14°52 | S 2 |
| S 3 | 3 25 48 | 20° 6'04 | 28°55 | 10°43 | 4°40 | 10°52 | 25° 9 | 9°22 | 23° 5 | 0°D49 | 9°56 | 14°15 | 12°42 | 8° 0 | 14°54 | S 3 |
| M 4 | 3 29 44 | 21° 6'42 | 10 궁 49 | 12°19 | 5°47 | 11°37 | 25°21 | 9°25 | 23° 2 | 0°49 | 9°58 | 14° 9 | 12°39 | 8° 7 | 14°55 | M 4 |
| T 5 | 3 33 41 | 22° 7'21 | 22°50 | 13°54 | 6°54 | 12°21 | 25°34 | 9°28 | 23° 0 | 0°49 | 9°59 | 14° 4 | 12°36 | 8°13 | 14°56 | T 5 |
| W 6 | 3 37 38 | 23° 8'01 | 5≈ 0 | 15°30 | 8° 1 | 13° 6 | 25°47 | 9°31 | 22°57 | 0°50 | 10° 1 | 14° 0 | 12°32 | 8°20 | 14°58 | W 6 |
| T 7 | 3 41 34 | 24° 8'42 | 17°24 | 17° 5 | 9°8 | 13°51 | 25°59 | 9°35 | 22°55 | 0°50 | 10° 2 | 13°58 | 12°29 | 8°27 | 14°59 | T 7 |
| F 8 | 3 45 31 | 25° 9'25 | 0 ∺ 7 | 18°40 | 10°16 | 14°36 | 26°12 | 9°38 | 22°52 | 0°50 | 10° 4 | 13°D58 | 12°26 | 8°33 | 15° 0 | F 8 |
| S 9 | 3 49 27 | 26°10'08 | 13°11 | 20°16 | 11°24 | 15°21 | 26°25 | 9°41 | 22°50 | 0°50 | 10° 5 | 13°59 | 12°23 | 8°40 | 15° 2 | S 9 |
| S 10 | 3 53 24 | 27°10'53 | 26°42 | 21°51 | 12°32 | 16° 6 | 26°38 | 9°45 | 22°47 | 0°50 | 10° 7 | 14° 1 | 12°20 | 8°47 | 15° 4 | S 10 |
| M11 | 3 57 20 | 28°11'38 | 10 Υ 40 | 23°25 | 13°40 | 16°51 | 26°51 | 9°49 | 22°45 | 0°51 | 10° 9 | 14°R 2 | 12°16 | 8°54 | 15° 5 | M11 |
| T 12 | 4 1 17 | 29°12'25 | 25° 7 | 25° 0 | 14°48 | 17°36 | 27° 4 | 9°52 | 22°42 | 0°51 | 10°10 | 14° 1 | 12°13 | 9° 0 | 15° 7 | T 12 |
| W13 | 4 5 13 | 13'13 × 0 | 9 8 58 | 26°35 | 15°57 | 18°21 | 27°17 | 9°56 | 22°40 | 0°51 | 10°12 | 13°59 | 12°10 | 9° 7 | 15° 9 | W13 |
| T 14 | 4 9 10 | 1°14'02 | 25° 8 | 28° 9 | 17° 6 | 19° 6 | 27°30 | 10° 0 | 22°37 | 0°52 | 10°14 | 13°54 | 12° 7 | 9°14 | 15°11 | T 14 |
| F 15 | 4 13 7 | 2°14'52 | 10 Ⅲ 27 | 29°44 | 18°15 | 19°52 | 27°43 | 10° 4 | 22°35 | 0°52 | 10°15 | 13°47 | 12° 4 | 9°20 | 15°13 | F 15 |
| S 16 | 4 17 3 | 3°15'43 | 25°45 | 1 √ 18 | 19°24 | 20°37 | 27°56 | 10° 8 | 22°32 | 0°52 | 10°17 | 13°40 | 12° 1 | 9°27 | 15°15 | S 16 |
| S 17 | 4 21 0 | 4°16'36 | 109549 | 2°52 | 20°33 | 21°22 | 28°10 | 10°13 | 22°30 | 0°53 | 10°19 | 13°32 | 11°57 | 9°34 | 15°17 | S 17 |
| M18 | 4 24 56 | 5°17'30 | 25°32 | 4°27 | 21°43 | 22° 8 | 28°23 | 10°17 | 22°28 | 0°53 | 10°20 | 13°25 | 11°54 | 9°41 | 15°19 | M18 |
| T 19 | 4 28 53 | 6°18'25 | 9 Ω 47 | 6° 1 | 22°52 | 22°53 | 28°36 | 10°21 | 22°25 | 0°54 | 10°22 | 13°19 | 11°51 | 9°47 | 15°21 | T 19 |
| W20 | 4 32 49 | 7°19'21 | 23°33 | 7°35 | 24° 2 | 23°39 | 28°50 | 10°26 | 22°23 | 0°55 | 10°24 | 13°16 | 11°48 | 9°54 | 15°23 | W20 |
| T 21 | 4 36 46 | 8°20'19 | 6 m 50 | 9° 9 | 25°12 | 24°24 | 29° 3 | 10°30 | 22°20 | 0°55 | 10°26 | 13°D15 | 11°45 | 10° 1 | 15°26 | T 21 |
| F 22 | 4 40 43 | 9°21'18 | 19°43 | 10°44 | 26°22 | 25°10 | 29°16 | 10°35 | 22°18 | 0°56 | 10°28 | 13°16 | 11°42 | 10° 7 | 15°28 | F 22 |
| S 23 | 4 44 39 | 10°22'18 | 2 ≏ 15 | 12°18 | 27°33 | 25°56 | 29°30 | 10°39 | 22°16 | 0°57 | 10°29 | 13°17 | 11°38 | 10°14 | 15°30 | S 23 |
| S 24 | 4 48 36 | 11°23'19 | 14°30 | 13°52 | 28°43 | 26°41 | 29°43 | 10°44 | 22°13 | 0°57 | 10°31 | 13°R17 | 11°35 | 10°21 | 15°33 | S 24 |
| M25 | 4 52 32 | 12°24'22 | 26°34 | 15°27 | 29°54 | 27°27 | 29°57 | 10°49 | 22°11 | 0°58 | 10°33 | 13°16 | 11°32 | 10°27 | 15°35 | M25 |
| T 26 | 4 56 29 | 13°25'25 | 8MJ30 | 17° 1 | 1M 4 | 28°13 | 0중11 | 10°54 | 22° 9 | 0°59 | 10°35 | 13°13 | 11°29 | 10°34 | 15°38 | T 26 |
| W27 | 5 0 25 | 14°26'29 | 20°22 | 18°36 | 2°15 | 28°59 | 0°24 | 10°59 | 22° 6 | 1° 0 | 10°37 | 13° 7 | 11°26 | 10°41 | 15°40 | W27 |
| T 28 | 5 4 22 | 15°27'35 | 2 √ 12 | 20°11 | 3°26 | 29°45 | 0°38 | 11° 4 | 22° 4 | 1° 0 1° 1 | 10°39 | 12°58 | 11°22 | 10°48 | 15°43 | T 28 |
| F 29 S 30 | 5 8 18 5 12 15 | 16°28'41 17 ∡ 729'48 | 14° 3 25 × 755 | 21°45 23 × ⁷ 20 | 4°37 5 ጤ 48 | 0 궁 31 1 궁 17 | 0°51 1 궁 5 | 11° 9 11 ≈ 14 | 22° 2 22 8 0 | 1° 1 1)(2 | 10°41 10 ~3 43 | 12°46 12 ° 34 | 11°19 11 ° 16 | 10°54 | 15°46 15 ≈ 48 | F 29 S 30 |
| 5 30 | 3 12 13 | 1/ X '29'48 | 73 X ,33 | 73 X ,70 | 311648 | 101/ | 100 | 11≈14 | 220 0 | 1 π 2 | 10043 | 12 1 34 | 11 1 10 | 11 X , 1 | 13848 | 3 30 |

Delta T = 243.00 sec

Julian Calendar 1 Nov. 1521 == Greg. Calendar 11 Nov. 1521

DECEMBER 1521 JC 00:00 UT

| Day | Sid.t | 0 | D | φ | Q- | ð | 4 | ħ |)Å(| \ | Р | £ | ය | Ç | ٧٥ | Day |
|------|---------|-------------------|-----------------|-----------------|----------------|----------------|---------------|----------------|----------------|-----------------|----------------|---------------|----------------|----------------|----------------|------|
| S 1 | 5 16 12 | 18 × 30'55 | 7 궁 51 | 24 × 755 | 6M59 | 2 ろ 3 | 1 る 19 | 11 ≈ 19 | 21°R57 | 1 ∺ 3 | 10 ਰ 44 | 12°R20 | 11 Y 13 | 11 % 8 | 15≈51 | S 1 |
| M 2 | 5 20 8 | 19°32'03 | 19°51 | 26°30 | 8°11 | 2°49 | 1°33 | 11°24 | 21 8 55 | 1° 4 | 10°46 | 12 ° 7 | 11°10 | 11°14 | 15°54 | M 2 |
| T 3 | 5 24 5 | 20°33'11 | 1≈57 | 28° 6 | 9°22 | 3°35 | 1°46 | 11°30 | 21°53 | 1° 5 | 10°48 | 11°56 | 11° 7 | 11°21 | 15°57 | T 3 |
| W 4 | 5 28 1 | 21°34'20 | 14°12 | 29°41 | 10°34 | 4°21 | 2° 0 | 11°35 | 21°51 | 1° 6 | 10°50 | 11°48 | 11° 3 | 11°28 | 16° 0 | W 4 |
| T 5 | 5 31 58 | 22°35'29 | 26°37 | 1 る 17 | 11°45 | 5° 7 | 2°14 | 11°41 | 21°49 | 1° 7 | 10°52 | 11°42 | 11° 0 | 11°34 | 16° 3 | T 5 |
| F 6 | 5 35 54 | 23°36'38 | 9) 18 | 2°52 | 12°57 | 5°54 | 2°28 | 11°46 | 21°47 | 1°8 | 10°54 | 11°39 | 10°57 | 11°41 | 16° 6 | F 6 |
| S 7 | 5 39 51 | 24°37'47 | 22°16 | 4°28 | 14° 9 | 6°40 | 2°42 | 11°52 | 21°45 | 1° 9 | 10°56 | 11°D38 | 10°54 | 11°48 | 16° 9 | S 7 |
| S 8 | 5 43 47 | 25°38'57 | 5 Υ 36 | 6° 4 | 15°21 | 7°26 | 2°56 | 11°57 | 21°43 | 1°11 | 10°58 | 11°R38 | 10°51 | 11°55 | 16°12 | S 8 |
| M 9 | 5 47 44 | 26°40'06 | 19°21 | 7°39 | 16°33 | 8°13 | 3° 9 | 12° 3 | 21°41 | 1°12 | 11° 0 | 11°38 | 10°47 | 12° 1 | 16°15 | M 9 |
| T 10 | 5 51 41 | 27°41'15 | 3 8 32 | 9°15 | 17°45 | 8°59 | 3°23 | 12° 9 | 21°39 | 1°13 | 11° 2 | 11°37 | 10°44 | 12° 8 | 16°19 | T 10 |
| W11 | 5 55 37 | 28°42'25 | 18°10 | 10°51 | 18°57 | 9°46 | 3°37 | 12°15 | 21°37 | 1°14 | 11° 4 | 11°32 | 10°41 | 12°15 | 16°22 | W11 |
| T 12 | 5 59 34 | 29°43'34 | 3 II 9 | 12°26 | 20° 9 | 10°32 | 3°51 | 12°21 | 21°35 | 1°16 | 11° 6 | 11°26 | 10°38 | 12°21 | 16°25 | T 12 |
| F 13 | 6 3 30 | 0 궁 44'44 | 18°24 | 14° 1 | 21°22 | 11°19 | 4° 5 | 12°27 | 21°34 | 1°17 | 11°8 | 11°16 | 10°35 | 12°28 | 16°29 | F 13 |
| S 14 | 6 7 27 | 1°45'54 | 39542 | 15°36 | 22°34 | 12° 5 | 4°19 | 12°33 | 21°32 | 1°18 | 11°10 | 11° 5 | 10°32 | 12°35 | 16°32 | S 14 |
| S 15 | 6 11 23 | 2°47'03 | 18°53 | 17°11 | 23°46 | 12°52 | 4°33 | 12°39 | 21°30 | 1°20 | 11°12 | 10°53 | 10°28 | 12°42 | 16°35 | S 15 |
| M16 | 6 15 20 | 3°48'13 | 3 Ω 46 | 18°44 | 24°59 | 13°38 | 4°47 | 12°45 | 21°28 | 1°21 | 11°14 | 10°42 | 10°25 | 12°48 | 16°39 | M16 |
| T 17 | 6 19 17 | 4°49'23 | 18°13 | 20°17 | 26°11 | 14°25 | 5° 1 | 12°51 | 21°27 | 1°22 | 11°16 | 10°34 | 10°22 | 12°55 | 16°42 | T 17 |
| W18 | 6 23 13 | 5°50'34 | 2MD 9 | 21°50 | 27°24 | 15°12 | 5°15 | 12°57 | 21°25 | 1°24 | 11°18 | 10°28 | 10°19 | 13° 2 | 16°46 | W18 |
| T 19 | 6 27 10 | 6°51'44 | 15°36 | 23°20 | 28°37 | 15°59 | 5°29 | 13° 3 | 21°24 | 1°25 | 11°21 | 10°24 | 10°16 | 13° 8 | 16°50 | T 19 |
| F 20 | 6 31 6 | 7°52'55 | 28°34 | 24°50 | 29°50 | 16°45 | 5°42 | 13°10 | 21°22 | 1°27 | 11°23 | 10°23 | 10°13 | 13°15 | 16°53 | F 20 |
| S 21 | 6 35 3 | 8°54'05 | 11 ♀ 8 | 26°17 | 1 才 2 | 17°32 | 5°56 | 13°16 | 21°21 | 1°28 | 11°25 | 10°23 | 10° 9 | 13°22 | 16°57 | S 21 |
| S 22 | 6 38 59 | 9°55'16 | 23°23 | 27°42 | 2°15 | 18°19 | 6°10 | 13°22 | 21°19 | 1°30 | 11°27 | 10°23 | 10° 6 | 13°29 | 17° 1 | S 22 |
| M23 | 6 42 56 | 10°56'27 | 5 M 25 | 29° 5 | 3°28 | 19° 6 | 6°24 | 13°29 | 21°18 | 1°32 | 11°29 | 10°21 | 10° 3 | 13°35 | 17° 4 | M23 |
| T 24 | 6 46 52 | 11°57'38 | 17°18 | 0≈25 | 4°41 | 19°53 | 6°38 | 13°35 | 21°16 | 1°33 | 11°31 | 10°17 | 10° 0 | 13°42 | 17° 8 | T 24 |
| W25 | 6 50 49 | 12°58'49 | 29° 7 | 1°40 | 5°54 | 20°40 | 6°52 | 13°42 | 21°15 | 1°35 | 11°33 | 10°10 | 9°57 | 13°49 | 17°12 | W25 |
| T 26 | 6 54 46 | 14° 0'00 | 10 ∡ 756 | 2°52 | 7° 8 | 21°27 | 7° 6 | 13°48 | 21°14 | 1°36 | 11°35 | 10° 0 | 9°54 | 13°55 | 17°16 | T 26 |
| F 27 | 6 58 42 | 15° 1'11 | 22°48 | 3°58 | 8°21 | 22°14 | 7°20 | 13°55 | 21°13 | 1°38 | 11°37 | 9°47 | 9°50 | 14° 2 | 17°19 | F 27 |
| S 28 | 7 2 39 | 16° 2'21 | 4 정 45 | 4°59 | 9°34 | 23° 1 | 7°34 | 14° 2 | 21°11 | 1°40 | 11°39 | 9°33 | 9°47 | 14° 9 | 17°23 | S 28 |
| S 29 | 7 6 3 5 | 17° 3'31 | 16°48 | 5°52 | 10°47 | 23°48 | 7°48 | 14° 8 | 21°10 | 1°42 | 11°41 | 9°18 | 9°44 | 14°15 | 17°27 | S 29 |
| M30 | 7 10 32 | 18° 4'41 | 28°59 | 6°39 | 12° 0 | 24°35 | 8° 2 | 14°15 | 21° 9 | 1°43 | 11°43 | 9° 3 | 9°41 | 14°22 | 17°31 | M30 |
| T 31 | 7 14 28 | 19 る 5'50 | 11≈17 | 7≈16 | 13 ~ 14 | 25 る 22 | 8 궁 15 | 14≈22 | 218 8 | 1) (45 | 11 る 45 | 8 Y 51 | 9 Ƴ 38 | 14 × 29 | 17 ≈ 35 | T 31 |

Delta T = 242.82 sec