



Astrodienst Ephemeris Tables for the year 1455

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 1455
geocentric

JANUARY 1455 JC

00:00 UT

| Day | Sid.t | ☉ | ☾ | ♂ | ♀ | ♂ | ♀ | ♂ | ♀ | ♂ | ♀ | ♂ | ♀ | ♂ | ♀ | Day |
|------|---------|-----------|------------|-----------------|--------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------|
| W 1 | 7 15 24 | 19°22'28" | 14°11' 7" | 29°34'5" | 26°27' 2" | 2°11' 5" | 10°41' 8" | 21°11'50" | 8°R42 | 8°R58 | 11°R39 | 16°R55 | 15°M29 | 18°B20 | 20°R53 | W 1 |
| T 2 | 7 19 20 | 20°23'33" | 26°16' 1" | 18°27' 1" | 2°7' 1" | 10°42' 1" | 21°55' 8" | 8°B40 | 8°B58 | 11°B38 | 16°B48 | 15°25' 18" | 18°27' 20" | 20°B49 | T 2 | |
| F 3 | 7 23 17 | 21°24'38" | 8°B38 | 3°8' 8" | 28°31' 2" | 10°43' 2" | 22°0' 8" | 8°37' 8" | 8°58' 11" | 11°36' 16" | 16°39' 15" | 15°22' 18" | 18°34' 20" | 20°44' 20" | F 3 | |
| S 4 | 7 27 13 | 22°25'41" | 21°16' 4" | 4°49' 2" | 29°46' 2" | 10°45' 2" | 22°0' 8" | 8°35' 8" | 8°58' 11" | 11°35' 16" | 16°28' 15" | 15°19' 18" | 18°40' 20" | 20°40' 20" | S 4 | |
| S 5 | 7 31 10 | 23°26'44" | 4°B 7" | 6°29' 1" | 1°B 1" | 2°18' 2" | 10°47' 2" | 22°9' 8" | 8°32' 8" | 11°34' 16" | 16°16' 15" | 15°16' 18" | 18°47' 20" | 20°36' 20" | S 5 | |
| M 6 | 7 35 7 | 24°27'46" | 17°13' 8" | 8°9' 2" | 2°16' 2" | 2°24' 2" | 10°49' 2" | 22°14' 8" | 8°30' 8" | 11°32' 16" | 16°4' 15" | 15°13' 18" | 18°54' 20" | 20°31' 20" | M 6 | |
| T 7 | 7 39 3 | 25°28'47" | 0°B30 | 9°48' 3" | 3°31' 2" | 2°29' 2" | 10°51' 2" | 22°18' 8" | 8°27' 8" | 11°31' 15" | 15°53' 15" | 15°10' 19" | 19°0' 20" | 20°27' 20" | T 7 | |
| W 8 | 7 43 0 | 26°29'48" | 13°59' 11" | 11°26' 4" | 4°46' 2" | 2°36' 2" | 10°53' 2" | 22°22' 8" | 8°25' 8" | 11°30' 15" | 15°44' 15" | 15°6' 19" | 19°7' 20" | 20°22' 20" | W 8 | |
| T 9 | 7 46 56 | 27°30'48" | 27°37' 13" | 2°13' 6" | 6°1' 2" | 2°43' 2" | 10°55' 2" | 22°27' 8" | 8°22' 8" | 11°28' 15" | 15°38' 15" | 15°3' 19" | 19°13' 20" | 20°18' 20" | T 9 | |
| F 10 | 7 50 53 | 28°31'47" | 11°B23 | 14°36' 7" | 16°1' 2" | 2°51' 2" | 10°58' 2" | 22°31' 8" | 8°20' 8" | 11°27' 15" | 15°34' 15" | 15°0' 19" | 19°20' 20" | 20°13' 20" | F 10 | |
| S 11 | 7 54 49 | 29°32'46" | 25°18' 16" | 8°31' 8" | 2°59' 2" | 11°1' 2" | 22°35' 8" | 8°17' 8" | 8°56' 11" | 11°25' 15" | 15°D33 | 14°57' 14" | 19°27' 20" | 20°9' 20" | S 11 | |
| S 12 | 7 58 46 | 0°B33'44" | 9°M20 | 17°37' 9" | 4°46' 3" | 3°8' 11" | 11°4' 2" | 22°39' 8" | 8°14' 8" | 8°56' 11" | 11°24' 15" | 15°R33 | 14°54' 14" | 19°33' 20" | 20°5' 20" | S 12 |
| M13 | 8 2 42 | 1°34'42" | 23°30' 19" | 2°11' 0" | 3°18' 11" | 11°7' 2" | 22°43' 8" | 8°12' 8" | 8°55' 11" | 11°23' 15" | 15°33' 14" | 14°50' 19" | 19°40' 20" | 20°0' 20" | M13 | |
| T 14 | 8 6 39 | 2°35'39" | 7°B46 | 20°24' 12" | 12°15' 3" | 3°28' 11" | 11°11' 2" | 22°47' 8" | 8°9' 8" | 8°55' 11" | 11°21' 15" | 15°32' 14" | 14°47' 19" | 19°47' 19" | T 14 | |
| W15 | 8 10 36 | 3°36'35" | 22°7' 21" | 1°40' 13" | 3°30' 3" | 3°39' 11" | 11°14' 2" | 22°51' 8" | 8°7' 8" | 8°55' 11" | 11°20' 15" | 15°27' 14" | 14°44' 19" | 19°53' 19" | 19°52' 20" | W15 |
| T 16 | 8 14 32 | 4°37'30" | 6°B27 | 22°52' 14" | 4°45' 3" | 3°50' 11" | 11°18' 2" | 22°54' 8" | 8°4' 8" | 8°54' 11" | 11°18' 15" | 15°20' 14" | 14°41' 20" | 19°48' 19" | 19°48' 20" | T 16 |
| F 17 | 8 18 29 | 5°38'24" | 20°43' 23" | 5°57' 16" | 4°2' 11" | 11°22' 2" | 22°58' 8" | 8°1' 8" | 8°54' 11" | 11°17' 15" | 15°10' 14" | 14°38' 14" | 19°43' 20" | 19°43' 20" | F 17 | |
| S 18 | 8 22 25 | 6°39'18" | 4°B49 | 24°55' 17" | 1°15' 4" | 4°15' 11" | 11°27' 2" | 23°1' 7" | 8°53' 8" | 11°15' 14" | 14°58' 14" | 14°35' 20" | 19°39' 19" | 19°39' 20" | S 18 | |
| S 19 | 8 26 22 | 7°40'10" | 18°39' 25" | 4°5' 18" | 4°28' 11" | 11°31' 2" | 23°5' 7" | 8°52' 8" | 8°52' 11" | 11°14' 14" | 14°45' 14" | 14°31' 20" | 19°35' 19" | 19°35' 20" | S 19 | |
| M20 | 8 30 18 | 8°41'00" | 2°B 9" | 26°27' 19" | 4°42' 11" | 11°36' 2" | 23°8' 7" | 8°52' 8" | 8°52' 11" | 11°13' 14" | 14°33' 14" | 14°28' 20" | 19°31' 19" | 19°31' 20" | M20 | |
| T 21 | 8 34 15 | 9°41'49" | 15°9' 26" | 5°9' 21" | 4°56' 11" | 11°40' 2" | 23°11' 7" | 8°51' 8" | 8°51' 11" | 11°11' 14" | 14°22' 14" | 14°25' 20" | 19°27' 19" | 19°27' 20" | T 21 | |
| W22 | 8 38 11 | 10°42'37" | 28°3' 27" | 2°22' 15" | 5°11' 11" | 11°45' 2" | 23°15' 7" | 8°51' 8" | 8°51' 11" | 11°10' 14" | 14°13' 14" | 14°22' 20" | 19°23' 19" | 19°23' 20" | W22 | |
| T 23 | 8 42 8 | 11°43'24" | 10°B29 | 27°34' 23" | 5°26' 11" | 11°50' 2" | 23°18' 7" | 8°50' 8" | 8°50' 11" | 11°8' 14" | 14°8' 14" | 14°19' 20" | 19°19' 19" | 19°19' 20" | T 23 | |
| F 24 | 8 46 5 | 12°44'08" | 22°37' 27" | 4°35' 24" | 5°41' 11" | 11°56' 2" | 23°21' 7" | 8°49' 8" | 8°49' 11" | 11°7' 14" | 14°5' 14" | 14°16' 20" | 19°15' 19" | 19°15' 20" | F 24 | |
| S 25 | 8 50 1 | 13°44'51" | 4°B34 | 27°26' 26" | 0' 5°57' 12" | 12°1' 2" | 23°24' 7" | 8°48' 8" | 8°48' 11" | 11°5' 14" | 14°3' 14" | 14°12' 21" | 19°11' 19" | 19°11' 20" | S 25 | |
| S 26 | 8 53 58 | 14°45'33" | 16°23' 27" | 5°27°14' 6" | 12°7' 12" | 12°7' 2" | 23°26' 7" | 8°48' 8" | 8°48' 11" | 11°4' 14" | 14°3' 14" | 14°9' 21" | 19°7' 19" | 19°7' 20" | S 26 | |
| M27 | 8 57 54 | 15°46'13" | 28°10' 26" | 3°28°29' 6" | 12°13' 12" | 12°13' 2" | 23°29' 7" | 8°47' 8" | 8°47' 11" | 11°2' 14" | 14°3' 14" | 14°6' 21" | 19°3' 19" | 19°3' 20" | M27 | |
| T 28 | 9 1 51 | 16°46'51" | 10°B 2 | 25°55' 29" | 4°48' 6" | 12°19' 2" | 23°32' 7" | 8°46' 8" | 8°46' 11" | 11°1' 14" | 14°1' 14" | 14°3' 21" | 19°0' 19" | 19°0' 20" | T 28 | |
| W29 | 9 5 47 | 17°47'28" | 22°3' 25" | 7°0°59' 7" | 12°25' 2" | 12°25' 2" | 23°34' 7" | 8°45' 8" | 8°45' 11" | 11°0' 13" | 13°58' 14" | 14°0' 21" | 18°56' 18" | 18°56' 20" | W29 | |
| T 30 | 9 9 44 | 18°48'02" | 4°B17 | 24°11' 2°14' 7" | 12°31' 2" | 12°31' 2" | 23°37' 7" | 8°44' 8" | 8°44' 11" | 10°58' 13" | 13°51' 13" | 13°56' 21" | 18°53' 18" | 18°53' 20" | T 30 | |
| F 31 | 9 13 40 | 19°48'35" | 16°B49 | 23°10' 3°29' 7" | 12°38' 12" | 12°38' 2" | 23°39' 7" | 8°43' 8" | 8°43' 11" | 10°57' 13" | 13°M42 | 13°M53 | 21°B40 | 18°B49 | F 31 | |

Delta T = 06m20s

Julian Calendar 1 Jan. 1455 == Greg. Calendar 10 Jan. 1455

FEBRUARY 1455 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|--------|--------|-------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--------|------|
| S 1 | 9 17 37 | 20°49'07" | 29°B40 | 22°R 5 | 4°B44 | 8°B 2 | 12°B44 | 23°M41 | 7°R22 | 8°R42 | 10°R55 | 13°R30 | 13°M50 | 21°B46 | 18°R46 | S 1 |
| S 2 | 9 21 34 | 21°49'36" | 12°B50 | 20°B58 | 5°59 | 8°22 | 12°51 | 23°43 | 7°B20 | 8°B41 | 10°B54 | 13°M17 | 13°47 | 21°53 | 18°B42 | S 2 |
| M 3 | 9 25 30 | 22°50'04" | 26°18 | 19°50 | 7°13 | 8°42 | 12°58 | 23°45 | 7°17 | 8°40 | 10°52 | 13° 4 | 13°44 | 22° 0 | 18°39 | M 3 |
| T 4 | 9 29 27 | 23°50'30" | 10°B 1 | 18°43 | 8°28 | 9° 2 | 13° 5 | 23°47 | 7°15 | 8°39 | 10°51 | 12°52 | 13°41 | 22° 6 | 18°35 | T 4 |
| W 5 | 9 33 23 | 24°50'55" | 23°56 | 17°40 | 9°43 | 9°22 | 13°12 | 23°49 | 7°12 | 8°38 | 10°50 | 12°43 | 13°37 | 22°13 | 18°32 | W 5 |
| T 6 | 9 37 20 | 25°51'18" | 7°B58 | 16°40 | 10°58 | 9°43 | 13°20 | 23°51 | 7°10 | 8°37 | 10°48 | 12°36 | 13°34 | 22°20 | 18°29 | T 6 |
| F 7 | 9 41 16 | 26°51'40" | 22° 4 | 15°46 | 12°13 | 10° 5 | 13°27 | 23°53 | 7° 7 | 8°36 | 10°47 | 12°32 | 13°31 | 22°26 | 18°26 | F 7 |
| S 8 | 9 45 13 | 27°52'00" | 6°M12 | 14°58 | 13°28 | 10°26 | 13°35 | 23°54 | 7° 5 | 8°35 | 10°45 | 12°31 | 13°28 | 22°33 | 18°23 | S 8 |
| S 9 | 9 49 9 | 28°52'19" | 20°19 | 14°16 | 14°42 | 10°48 | 13°43 | 23°56 | 7° 3 | 8°34 | 10°44 | 12°D31 | 13°25 | 22°39 | 18°20 | S 9 |
| M10 | 9 53 6 | 29°52'37" | 4°B24 | 13°41 | 15°57 | 11°10 | 13°51 | 23°57 | 7° 0 | 8°33 | 10°43 | 12°R31 | 13°22 | 22°46 | 18°17 | M10 |
| T 11 | 9 57 3 | 0°B52'53" | 18°28 | 13°14 | 17°12 | 11°33 | 13°59 | 23°58 | 6°58 | 8°31 | 10°41 | 12°29 | 13°18 | 22°53 | 18°15 | T 11 |
| W12 | 10 0 59 | 1°53'08" | 2°B28 | 12°54 | 18°27 | 11°56 | 14° 7 | 23°59 | 6°56 | 8°30 | 10°40 | 12°26 | 13°15 | 22°59 | 18°12 | W12 |
| T 13 | 10 4 56 | 2°53'21" | 16°23 | 12°41 | 19°42 | 12°19 | 14°16 | 24° 0 | 6°53 | 8°29 | 10°39 | 12°20 | 13°12 | 23° 6 | 18° 9 | T 13 |
| F 14 | 10 8 52 | 3°53'32" | 0°B11 | 12°D34 | 20°56 | 12°42 | 14°24 | 24° 1 | 6°51 | 8°28 | 10°37 | 12°11 | 13° 9 | 23°13 | 18° 7 | F 14 |
| S 15 | 10 12 49 | 4°53'42" | 13°50 | 12°35 | 22°11 | 13° 6 | 14°33 | 24° 2 | 6°49 | 8°26 | 10°36 | 12° 0 | 13° 6 | 23°19 | 18° 5 | S 15 |
| S 16 | 10 16 45 | 5°53'50" | 27°16 | 12°41 | 23°26 | 13°30 | 14°42 | 24° 3 | 6°47 | 8°25 | 10°35 | 11°49 | 13° 2 | 23°26 | 18° 2 | S 16 |
| M17 | 10 20 42 | 6°53'56" | 10°B27 | 12°54 | 24°41 | 13°54 | 14°51 | 24° 4 | 6°44 | 8°24 | 10°34 | 11°37 | 12°59 | 23°33 | 18° 0 | M17 |
| T 18 | 10 24 38 | 7°54'00" | 23°21 | 13°12 | 25°55 | 14°19 | 15° 0 | 24° 4 | 6°42 | 8°22 | 10°32 | 11°27 | 12°56 | 23°39 | 17°58 | T 18 |
| W19 | 10 28 35 | 8°54'02" | 5°B58 | 13°36 | 27°10 | 14°43 | 15° 9 | 24° 5 | 6°40 | 8°21 | 10°31 | 11°19 | 12°53 | 23°46 | 17°56 | W19 |
| T 20 | 10 32 31 | 9°54'02" | 18°19 | 14° 4 | 28°25 | 15° 8 | 15°19 | 24° 5 | 6°38 | 8°20 | 10°30 | 11°14 | 12°50 | 23°53 | 17°54 | T 20 |
| F 21 | 10 36 28 | 10°54'00" | 0°B25 | 14°37 | 29°40 | 15°34 | 15°28 | 24° 5 | 6°36 | 8°18 | 10°29 | 11°11 | 12°47 | 23°59 | 17°52 | F 21 |
| S 22 | 10 40 25 | 11°53'56" | 12°21 | 15°15 | 0°B54 | 15°59 | 15°38 | 24° 5 | 6°34 | 8°17 | 10°27 | 11°D11 | 12°43 | 24° 6 | 17°50 | S 22 |
| S 23 | 10 44 21 | 12°53'50" | 24°10 | 15°56 | 2° 9 | 16°25 | 15°47 | 24°R 5 | 6°32 | 8°15 | 10°26 | 11°11 | 12°40 | 24°13 | 17°48 | S 23 |
| M24 | 10 48 18 | 13°53'42" | 5°B58 | 16°41 | 3°24 | 16°51 | 15°57 | 24° 5 | 6°30 | 8°14 | 10°25 | 11°12 | 12°37 | 24°19 | 17°47 | M24 |
| T 25 | 10 52 14 | 14°53'31" | 17°50 | 17°30 | 4°38 | 17°17 | 16° 7 | 24° 5 | 6°28 | 8°12 | 10°24 | 11°R13 | 12°34 | 24°26 | 17°45 | T 25 |
| W26 | 10 56 11 | 15°53'18" | 29°51 | 18°22 | 5°53 | 17°44 | 16°17 | 24° 5 | 6°26 | 8°11 | 10°23 | 11°11 | 12°31 | 24°32 | 17°44 | W26 |
| T 27 | 11 0 7 | 16°53'03" | 12°B 7 | 19°17 | 7° 8 | 18°10 | 16°27 | 24° 4 | 6°25 | 8° 9 | 10°22 | 11° 8 | 12°28 | 24°39 | 17°43 | T 27 |
| F 28 | 11 4 4 | 17°52'45" | 24°B41 | 20°15 | 8°B22 | 18°B37 | 16°B38 | 24°M 4 | 6°B23 | 8°B 8 | 10°B21 | 11°M 3 | 12°M24 | 24°B46 | 17°B41 | F 28 |

ASTRODIENST EPHEMERIS for the year 1455

geocentric

MARCH 1455 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|--------|-------|--------|-------|---|--------|--------|-------|-------|--------|--------|--------|--------|------------|
| S 1 | 11 8 0 | 18°52'26 | 7°37 | 21°16 | 9°37 | 19°11 | 4 | 16°48 | 24°R 3 | 6°R21 | 8°R 6 | 10°R19 | 10°R56 | 12°M21 | 24°852 | 17°R40 S 1 |
| S 2 | 11 11 57 | 19°52'04 | 20°57 | 22°19 | 10°52 | 19°31 | | 16°58 | 24°M 3 | 6°M19 | 8°M 5 | 10°M18 | 10°M47 | 12°18 | 24°59 | 17°S39 S 2 |
| M 3 | 11 15 54 | 20°51'40 | 4°M40 | 23°25 | 12° 6 | 19°59 | | 17° 9 | 24° 2 | 6°18 | 8° 3 | 10°17 | 10°38 | 12°15 | 25° 6 | 17°38 M 3 |
| T 4 | 11 19 50 | 21°51'13 | 18°44 | 24°33 | 13°21 | 20°26 | | 17°20 | 24° 1 | 6°16 | 8° 2 | 10°16 | 10°30 | 12°12 | 25°12 | 17°38 T 4 |
| W 5 | 11 23 47 | 22°50'45 | 3°M 3 | 25°43 | 14°35 | 20°54 | | 17°30 | 24° 0 | 6°14 | 8° 0 | 10°15 | 10°24 | 12° 8 | 25°19 | 17°37 W 5 |
| T 6 | 11 27 43 | 23°50'14 | 17°32 | 26°56 | 15°50 | 21°22 | | 17°41 | 23°59 | 6°13 | 7°58 | 10°14 | 10°20 | 12° 5 | 25°26 | 17°36 T 6 |
| F 7 | 11 31 40 | 24°49'42 | 2°M 5 | 28°10 | 17° 4 | 21°50 | | 17°52 | 23°58 | 6°11 | 7°57 | 10°13 | 10°18 | 12° 2 | 25°32 | 17°36 F 7 |
| S 8 | 11 35 36 | 25°49'08 | 16°36 | 29°26 | 18°19 | 22°19 | | 18° 3 | 23°57 | 6°10 | 7°55 | 10°12 | 10°D18 | 11°59 | 25°39 | 17°35 S 8 |
| S 9 | 11 39 33 | 26°48'32 | 1°M 1 | 0°M44 | 19°33 | 22°47 | | 18°14 | 23°55 | 6° 9 | 7°54 | 10°11 | 10°19 | 11°56 | 25°46 | 17°35 S 9 |
| M10 | 11 43 29 | 27°47'55 | 15°17 | 2° 4 | 20°48 | 23°16 | | 18°26 | 23°54 | 6° 7 | 7°52 | 10°11 | 10°20 | 11°53 | 25°52 | 17°35 M10 |
| T 11 | 11 47 26 | 28°47'15 | 29°21 | 3°26 | 22° 2 | 23°44 | | 18°37 | 23°52 | 6° 6 | 7°50 | 10°10 | 10°R21 | 11°49 | 25°59 | 17°35 T 11 |
| W12 | 11 51 23 | 29°46'34 | 13°M13 | 4°49 | 23°17 | 24°13 | | 18°48 | 23°51 | 6° 5 | 7°49 | 10° 9 | 10°20 | 11°46 | 26° 6 | 17°D35 W12 |
| T 13 | 11 55 19 | 0°Y45'51 | 26°53 | 6°14 | 24°31 | 24°42 | | 19° 0 | 23°49 | 6° 4 | 7°47 | 10° 8 | 10°17 | 11°43 | 26°12 | 17°35 T 13 |
| F 14 | 11 59 16 | 1°45'06 | 10°M21 | 7°40 | 25°46 | 25°12 | | 19°12 | 23°47 | 6° 2 | 7°46 | 10° 7 | 10°13 | 11°40 | 26°19 | 17°35 F 14 |
| S 15 | 12 3 12 | 2°44'20 | 23°35 | 9° 9 | 27° 0 | 25°41 | | 19°23 | 23°45 | 6° 1 | 7°44 | 10° 6 | 10° 7 | 11°37 | 26°25 | 17°35 S 15 |
| S 16 | 12 7 9 | 3°43'31 | 6°M37 | 10°38 | 28°15 | 26°11 | | 19°35 | 23°43 | 6° 0 | 7°42 | 10° 6 | 10° 1 | 11°33 | 26°32 | 17°36 S 16 |
| M17 | 12 11 5 | 4°42'41 | 19°25 | 12° 9 | 29°29 | 26°40 | | 19°47 | 23°41 | 5°59 | 7°41 | 10° 5 | 9°54 | 11°30 | 26°39 | 17°36 M17 |
| T 18 | 12 15 2 | 5°41'48 | 2°Y 0 | 13°42 | 0°Y44 | 27°10 | | 19°59 | 23°39 | 5°58 | 7°39 | 10° 4 | 9°49 | 11°27 | 26°45 | 17°37 T 18 |
| W19 | 12 18 58 | 6°40'54 | 14°22 | 15°16 | 1°58 | 27°40 | | 20°11 | 23°37 | 5°57 | 7°37 | 10° 3 | 9°45 | 11°24 | 26°52 | 17°37 W19 |
| T 20 | 12 22 55 | 7°39'57 | 26°32 | 16°52 | 3°12 | 28°10 | | 20°23 | 23°34 | 5°57 | 7°36 | 10° 3 | 9°42 | 11°21 | 26°59 | 17°38 T 20 |
| F 21 | 12 26 51 | 8°38'58 | 8°M33 | 18°29 | 4°27 | 28°40 | | 20°35 | 23°32 | 5°56 | 7°34 | 10° 2 | 9°D42 | 11°18 | 27° 5 | 17°39 F 21 |
| S 22 | 12 30 48 | 9°37'58 | 20°25 | 20° 8 | 5°41 | 29°11 | | 20°47 | 23°29 | 5°55 | 7°32 | 10° 2 | 9°42 | 11°14 | 27°12 | 17°40 S 22 |
| S 23 | 12 34 45 | 10°36'55 | 2°M13 | 21°48 | 6°55 | 29°41 | | 20°59 | 23°27 | 5°54 | 7°31 | 10° 1 | 9°44 | 11°11 | 27°19 | 17°41 S 23 |
| M24 | 12 38 41 | 11°35'49 | 14° 1 | 23°30 | 8°10 | 0°M12 | | 21°12 | 23°24 | 5°54 | 7°29 | 10° 0 | 9°45 | 11° 8 | 27°25 | 17°42 M24 |
| T 25 | 12 42 38 | 12°34'42 | 25°53 | 25°13 | 9°24 | 0°43 | | 21°24 | 23°21 | 5°53 | 7°27 | 10° 0 | 9°47 | 11° 5 | 27°32 | 17°44 T 25 |
| W26 | 12 46 34 | 13°33'32 | 7°M53 | 26°58 | 10°38 | 1°13 | | 21°37 | 23°18 | 5°52 | 7°26 | 9°59 | 9°R48 | 11° 2 | 27°39 | 17°45 W26 |
| T 27 | 12 50 31 | 14°32'20 | 20° 7 | 28°44 | 11°53 | 1°44 | | 21°49 | 23°16 | 5°52 | 7°24 | 9°59 | 9°48 | 10°59 | 27°45 | 17°47 T 27 |
| F 28 | 12 54 27 | 15°31'05 | 2°M40 | 0°Y32 | 13° 7 | 2°15 | | 22° 2 | 23°13 | 5°52 | 7°23 | 9°58 | 9°47 | 10°55 | 27°52 | 17°48 F 28 |
| S 29 | 12 58 24 | 16°29'49 | 15°35 | 2°21 | 14°21 | 2°47 | | 22°14 | 23° 9 | 5°51 | 7°21 | 9°58 | 9°45 | 10°52 | 27°59 | 17°50 S 29 |
| S 30 | 13 2 20 | 17°28'30 | 28°55 | 4°12 | 15°35 | 3°18 | | 22°27 | 23° 6 | 5°51 | 7°19 | 9°58 | 9°42 | 10°49 | 28° 5 | 17°52 S 30 |
| M31 | 13 6 17 | 18°Y27'09 | 12°M41 | 6°Y 4 | 16°Y50 | 3°M49 | | 22°M40 | 23°M 3 | 5°M51 | 7°M18 | 9°M57 | 9°M39 | 10°M46 | 28°M12 | 17°M54 M31 |

Delta T = 06m20s

Julian Calendar 1 March 1455 == Greg. Calendar 10 March 1455

APRIL 1455 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|--------|-------|--------|--------|---|--------|--------|-------|-------|-------|-------|--------|--------|------------|
| T 1 | 13 10 14 | 19°Y25'45 | 26°M52 | 7°Y58 | 18°Y 4 | 4°M21 | | 22°M53 | 23°R 0 | 5°R50 | 7°R16 | 9°R57 | 9°R36 | 10°M43 | 28°M19 | 17°M56 T 1 |
| W 2 | 13 14 10 | 20°24'20 | 11°M24 | 9°54 | 19°18 | 4°52 | | 23° 6 | 22°M56 | 5°M50 | 7°M14 | 9°M56 | 9°M34 | 10°39 | 28°25 | 17°56 W 2 |
| T 3 | 13 18 7 | 21°22'52 | 26°13 | 11°51 | 20°32 | 5°24 | | 23°19 | 22°53 | 5°50 | 7°13 | 9°56 | 9°33 | 10°36 | 28°32 | 18° 0 T 3 |
| F 4 | 13 22 3 | 22°21'23 | 11°M 9 | 13°49 | 21°46 | 5°56 | | 23°31 | 22°50 | 5°50 | 7°11 | 9°56 | 9°D32 | 10°33 | 28°38 | 18° 2 F 4 |
| S 5 | 13 26 0 | 23°19'52 | 26° 5 | 15°49 | 23° 0 | 6°28 | | 23°45 | 22°46 | 5°D50 | 7°10 | 9°56 | 9°33 | 10°30 | 28°45 | 18° 5 S 5 |
| S 6 | 13 29 56 | 24°18'19 | 10°M53 | 17°51 | 24°15 | 7° 0 | | 23°58 | 22°42 | 5°50 | 7° 8 | 9°55 | 9°34 | 10°27 | 28°52 | 18° 7 S 6 |
| M 7 | 13 33 53 | 25°16'45 | 25°28 | 19°54 | 25°29 | 7°32 | | 24°11 | 22°39 | 5°50 | 7° 7 | 9°55 | 9°35 | 10°24 | 28°58 | 18°10 M 7 |
| T 8 | 13 37 49 | 26°15'09 | 9°M45 | 21°58 | 26°43 | 8° 4 | | 24°24 | 22°35 | 5°50 | 7° 5 | 9°55 | 9°36 | 10°20 | 29° 5 | 18°12 T 8 |
| W 9 | 13 41 46 | 27°13'31 | 23°42 | 24° 4 | 27°57 | 8°36 | | 24°37 | 22°31 | 5°50 | 7° 3 | 9°55 | 9°R36 | 10°17 | 29°12 | 18°15 W 9 |
| T 10 | 13 45 43 | 28°11'52 | 7°M19 | 26°10 | 29°11 | 9° 8 | | 24°50 | 22°27 | 5°51 | 7° 2 | 9°55 | 9°36 | 10°14 | 29°18 | 18°18 T 10 |
| F 11 | 13 49 39 | 29°10'11 | 20°36 | 28°18 | 0°M25 | 9°41 | | 25° 4 | 22°24 | 5°51 | 7° 0 | 9°55 | 9°35 | 10°11 | 29°25 | 18°21 F 11 |
| S 12 | 13 53 36 | 0°M 8'29 | 3°M36 | 0°M26 | 1°39 | 10°13 | | 25°17 | 22°20 | 5°51 | 6°59 | 9°55 | 9°34 | 10° 8 | 29°32 | 18°24 S 12 |
| S 13 | 13 57 32 | 1° 6'05 | 16°19 | 2°35 | 2°53 | 10°46 | | 25°30 | 22°16 | 5°52 | 6°57 | 9°D55 | 9°33 | 10° 4 | 29°38 | 18°27 S 13 |
| M14 | 14 1 29 | 2° 5'40 | 28°48 | 4°44 | 4° 7 | 11°18 | | 25°44 | 22°12 | 5°52 | 6°56 | 9°55 | 9°32 | 10° 1 | 29°45 | 18°30 M14 |
| T 15 | 14 5 25 | 3° 3'12 | 11°Y 6 | 6°54 | 5°21 | 11°51 | | 25°57 | 22° 8 | 5°53 | 6°55 | 9°55 | 9°31 | 9°58 | 29°52 | 18°33 T 15 |
| W16 | 14 9 22 | 4° 1'24 | 23°13 | 9° 3 | 6°35 | 12°24 | | 26°11 | 22° 3 | 5°53 | 6°53 | 9°55 | 9°31 | 9°55 | 29°58 | 18°37 W16 |
| T 17 | 14 13 18 | 4°59'33 | 5°M12 | 11°12 | 7°49 | 12°57 | | 26°24 | 21°59 | 5°54 | 6°52 | 9°55 | 9°D31 | 9°52 | 0°M 5 | 18°40 T 17 |
| F 18 | 14 17 15 | 5°57'41 | 17° 5 | 13°20 | 9° 3 | 13°30 | | 26°38 | 21°55 | 5°55 | 6°50 | 9°55 | 9°31 | 9°49 | 0°12 | 18°44 F 18 |
| S 19 | 14 21 12 | 6°55'47 | 28°54 | 15°27 | 10°17 | 14° 3 | | 26°51 | 21°51 | 5°55 | 6°49 | 9°55 | 9°31 | 9°45 | 0°18 | 18°47 S 19 |
| S 20 | 14 25 8 | 7°53'52 | 10°M42 | 17°33 | 11°31 | 14°36 | | 27° 5 | 21°47 | 5°56 | 6°48 | 9°55 | 9°31 | 9°42 | 0°25 | 18°51 S 20 |
| M21 | 14 29 5 | 8°51'54 | 22°31 | 19°37 | 12°45 | 15° 9 | | 27°19 | 21°42 | 5°57 | 6°46 | 9°55 | 9°31 | 9°39 | 0°32 | 18°55 M21 |
| T 22 | 14 33 1 | 9°49'55 | 4°M24 | 21°39 | 13°59 | 15°43 | | 27°32 | 21°38 | 5°58 | 6°45 | 9°56 | 9°R31 | 9°36 | 0°38 | 18°59 T 22 |
| W23 | 14 36 58 | 10°47'54 | 16°26 | 23°39 | 15°13 | 16°16 | | 27°46 | 21°34 | 5°59 | 6°44 | 9°56 | 9°31 | 9°33 | 0°45 | 19° 2 W23 |
| T 24 | 14 40 54 | 11°45'51 | 28°40 | 25°37 | 16°27 | 16°49 | | 28° 0 | 21°29 | 6° 0 | 6°42 | 9°56 | 9°31 | 9°30 | 0°52 | 19° 6 T 24 |
| F 25 | 14 44 51 | 12°43'46 | 11°M10 | 27°32 | 17°41 | 17°23 | | 28°14 | 21°25 | 6° 1 | 6°41 | 9°57 | 9°D31 | 9°26 | 0°58 | 19°11 F 25 |
| S 26 | 14 48 47 | 13°41'40 | 24° 0 | 29°24 | 18°54 | 17°56 | | 28°27 | 21°21 | 6° 2 | 6°40 | 9°57 | 9°31 | 9°23 | 1° 5 | 19°15 S 26 |
| S 27 | 14 52 44 | 14°39'31 | 7°M14 | 1°M14 | 20° 8 | 18°30 | | 28°41 | 21°16 | 6° 3 | 6°39 | 9°57 | 9°31 | 9°20 | 1°11 | 19°19 S 27 |
| M28 | 14 56 41 | 15°37'21 | 20°54 | 3° 1 | 21°22 | 19° 4 | | 28°55 | 21°12 | 6° 4 | 6°37 | 9°58 | 9°32 | 9°17 | 1°18 | 19°23 M28 |
| T 29 | 15 0 37 | 16°35'09 | 5°M 1 | 4°44 | 22°36 | 19°37 | | 29° 9 | 21° 7 | 6° 6 | 6°36 | 9°58 | 9°32 | 9°14 | 1°25 | 19°28 T 29 |
| W30 | 15 4 34 | 17°M32'55 | 19°M33 | 6°M24 | 23°M50 | 20°M11 | | 29°M23 | 21°M 3 | 6°M 7 | 6°M35 | 9°M58 | 9°M33 | 9°M10 | 1°M31 | 19°M32 W30 |

Delta T = 06m20s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1455
geocentric

MAY 1455 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|--------|-------|-------|-------|--------|------|-------|-------|-------|------|------|-------|------|
| T 1 | 15 8 30 | 18♂30'40 | 4♂25 | 8♂ 1 | 25♂ 4 | 20♂45 | 29♂37 | 20°R58 | 6♂ 8 | 6°R34 | 9♂59 | 9°R33 | 9♂ 7 | 1♂38 | 19♂37 | T 1 |
| F 2 | 15 12 27 | 19°28'23 | 19°32 | 9°35 | 26°17 | 21°19 | 29°50 | 20♂54 | 6°10 | 6♂33 | 9°59 | 9♂33 | 9° 4 | 1°45 | 19°41 | F 2 |
| S 3 | 15 16 23 | 20°26'06 | 4♂44 | 11° 5 | 27°31 | 21°53 | 0♂ 4 | 20°50 | 6°11 | 6°32 | 10° 0 | 9°32 | 9° 1 | 1°51 | 19°46 | S 3 |
| S 4 | 15 20 20 | 21°23'46 | 19°51 | 12°32 | 28°45 | 22°27 | 0°18 | 20°45 | 6°13 | 6°31 | 10° 1 | 9°31 | 8°58 | 1°58 | 19°51 | S 4 |
| M 5 | 15 24 16 | 22°21'26 | 4♂44 | 13°55 | 29°59 | 23° 1 | 0°32 | 20°41 | 6°14 | 6°30 | 10° 1 | 9°30 | 8°55 | 2° 5 | 19°56 | M 5 |
| T 6 | 15 28 13 | 23°19'05 | 19°18 | 15°15 | 1♂12 | 23°35 | 0°46 | 20°36 | 6°16 | 6°29 | 10° 2 | 9°28 | 8°51 | 2°11 | 20° 1 | T 6 |
| W 7 | 15 32 10 | 24°16'42 | 3♂27 | 16°31 | 2°26 | 24° 9 | 1° 0 | 20°32 | 6°18 | 6°28 | 10° 2 | 9°27 | 8°48 | 2°18 | 20° 6 | W 7 |
| T 8 | 15 36 6 | 25°14'18 | 17° 9 | 17°44 | 3°40 | 24°44 | 1°14 | 20°27 | 6°19 | 6°27 | 10° 3 | 9°26 | 8°45 | 2°25 | 20°11 | T 8 |
| F 9 | 15 40 3 | 26°11'54 | 0♂26 | 18°52 | 4°53 | 25°18 | 1°28 | 20°23 | 6°21 | 6°26 | 10° 4 | 9°D26 | 8°42 | 2°31 | 20°16 | F 9 |
| S 10 | 15 43 59 | 27° 9'28 | 13°20 | 19°58 | 6° 7 | 25°52 | 1°42 | 20°18 | 6°23 | 6°25 | 10° 4 | 9°27 | 8°39 | 2°38 | 20°21 | S 10 |
| S 11 | 15 47 56 | 28° 7'02 | 25°54 | 20°59 | 7°21 | 26°27 | 1°56 | 20°14 | 6°25 | 6°24 | 10° 5 | 9°28 | 8°36 | 2°45 | 20°26 | S 11 |
| M12 | 15 51 52 | 29° 4'35 | 8°Y12 | 21°56 | 8°35 | 27° 1 | 2°10 | 20°10 | 6°26 | 6°23 | 10° 6 | 9°29 | 8°32 | 2°51 | 20°32 | M12 |
| T 13 | 15 55 49 | 0♂ 2'06 | 20°18 | 22°50 | 9°48 | 27°36 | 2°24 | 20° 5 | 6°28 | 6°22 | 10° 7 | 9°31 | 8°29 | 2°58 | 20°37 | T 13 |
| W14 | 15 59 45 | 0°59'37 | 2♂15 | 23°39 | 11° 2 | 28°10 | 2°38 | 20° 1 | 6°30 | 6°21 | 10° 8 | 9°32 | 8°26 | 3° 5 | 20°42 | W14 |
| T 15 | 16 3 42 | 1°57'07 | 14° 6 | 24°25 | 12°15 | 28°45 | 2°52 | 19°56 | 6°32 | 6°20 | 10° 8 | 9°R32 | 8°23 | 3°11 | 20°48 | T 15 |
| F 16 | 16 7 38 | 2°54'36 | 25°54 | 25° 6 | 13°29 | 29°20 | 3° 6 | 19°52 | 6°34 | 6°20 | 10° 9 | 9°31 | 8°20 | 3°18 | 20°53 | F 16 |
| S 17 | 16 11 35 | 3°52'04 | 7♂42 | 25°43 | 14°43 | 29°54 | 3°20 | 19°48 | 6°37 | 6°19 | 10°10 | 9°29 | 8°16 | 3°25 | 20°59 | S 17 |
| S 18 | 16 15 32 | 4°49'32 | 19°31 | 26°15 | 15°56 | 0♂29 | 3°34 | 19°44 | 6°39 | 6°18 | 10°11 | 9°25 | 8°13 | 3°31 | 21° 5 | S 18 |
| M19 | 16 19 28 | 5°46'58 | 1♂24 | 26°44 | 17°10 | 1° 4 | 3°48 | 19°39 | 6°41 | 6°18 | 10°12 | 9°21 | 8°10 | 3°38 | 21°10 | M19 |
| T 20 | 16 23 25 | 6°44'23 | 13°23 | 27° 7 | 18°24 | 1°39 | 4° 2 | 19°35 | 6°43 | 6°17 | 10°13 | 9°17 | 8° 7 | 3°45 | 21°16 | T 20 |
| W21 | 16 27 21 | 7°41'47 | 25°30 | 27°27 | 19°37 | 2°14 | 4°16 | 19°31 | 6°45 | 6°16 | 10°14 | 9°12 | 8° 4 | 3°51 | 21°22 | W21 |
| T 22 | 16 31 18 | 8°39'10 | 7♂48 | 27°41 | 20°51 | 2°49 | 4°30 | 19°27 | 6°48 | 6°16 | 10°15 | 9° 8 | 8° 1 | 3°58 | 21°28 | T 22 |
| F 23 | 16 35 14 | 9°36'32 | 20°19 | 27°51 | 22° 4 | 3°24 | 4°44 | 19°23 | 6°50 | 6°15 | 10°16 | 9° 5 | 7°57 | 4° 5 | 21°34 | F 23 |
| S 24 | 16 39 11 | 10°33'52 | 3♂ 8 | 27°57 | 23°18 | 3°59 | 4°58 | 19°19 | 6°53 | 6°15 | 10°17 | 9° 4 | 7°54 | 4°11 | 21°40 | S 24 |
| S 25 | 16 43 8 | 11°31'12 | 16°17 | 27°R58 | 24°31 | 4°34 | 5°12 | 19°15 | 6°55 | 6°14 | 10°18 | 9°D 4 | 7°51 | 4°18 | 21°46 | S 25 |
| M26 | 16 47 4 | 12°28'31 | 29°48 | 27°54 | 25°45 | 5°10 | 5°25 | 19°11 | 6°57 | 6°14 | 10°19 | 9° 5 | 7°48 | 4°25 | 21°52 | M26 |
| T 27 | 16 51 1 | 13°25'48 | 13♂44 | 27°46 | 26°58 | 5°45 | 5°39 | 19° 7 | 7° 0 | 6°13 | 10°20 | 9° 6 | 7°45 | 4°31 | 21°58 | T 27 |
| W28 | 16 54 57 | 14°23'05 | 28° 5 | 27°34 | 28°12 | 6°20 | 5°53 | 19° 3 | 7° 3 | 6°13 | 10°21 | 9° 7 | 7°42 | 4°38 | 22° 4 | W28 |
| T 29 | 16 58 54 | 15°20'21 | 12♂49 | 27°18 | 29°25 | 6°55 | 6° 7 | 19° 0 | 7° 5 | 6°13 | 10°23 | 9°R 8 | 7°38 | 4°45 | 22°11 | T 29 |
| F 30 | 17 2 50 | 16°17'36 | 27°51 | 26°58 | 0♂39 | 7°31 | 6°21 | 18°56 | 7° 8 | 6°12 | 10°24 | 9° 7 | 7°35 | 4°51 | 22°17 | F 30 |
| S 31 | 17 6 47 | 17♂14'51 | 13♂ 3 | 26♂34 | 1♂52 | 8♂ 6 | 6♂35 | 18♂52 | 7♂10 | 6♂12 | 10♂25 | 9♂ 4 | 7♂32 | 4♂58 | 22♂23 | S 31 |

Delta T = 06m20s

Julian Calendar 1 May 1455 == Greg. Calendar 10 May 1455

JUNE 1455 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|--------|-------|-------|-------|--------|------|-------|-------|-------|------|------|-------|------|
| S 1 | 17 10 43 | 18♂12'04 | 28♂15 | 26°R 8 | 3♂ 6 | 8♂42 | 6♂49 | 18°R49 | 7♂13 | 6°R12 | 10♂26 | 8°R59 | 7♂29 | 5♂ 5 | 22♂30 | S 1 |
| M 2 | 17 14 40 | 19° 9'18 | 13♂18 | 25♂39 | 4°19 | 9°17 | 7° 2 | 18♂45 | 7°16 | 6♂12 | 10°27 | 8♂54 | 7°26 | 5°11 | 22°36 | M 2 |
| T 3 | 17 18 37 | 20° 6'31 | 28° 2 | 25° 7 | 5°33 | 9°53 | 7°16 | 18°42 | 7°19 | 6°11 | 10°29 | 8°48 | 7°22 | 5°18 | 22°43 | T 3 |
| W 4 | 17 22 33 | 21° 3'44 | 12♂21 | 24°34 | 6°46 | 10°28 | 7°30 | 18°38 | 7°21 | 6°11 | 10°30 | 8°42 | 7°19 | 5°25 | 22°49 | W 4 |
| T 5 | 17 26 30 | 22° 0'56 | 26°12 | 24° 0 | 7°59 | 11° 4 | 7°44 | 18°35 | 7°24 | 6°11 | 10°31 | 8°38 | 7°16 | 5°31 | 22°56 | T 5 |
| F 6 | 17 30 26 | 22°58'09 | 9♂34 | 23°25 | 9°13 | 11°40 | 7°57 | 18°31 | 7°27 | 6°11 | 10°33 | 8°35 | 7°13 | 5°38 | 23° 2 | F 6 |
| S 7 | 17 34 23 | 23°55'21 | 22°30 | 22°51 | 10°26 | 12°16 | 8°11 | 18°28 | 7°30 | 6°11 | 10°34 | 8°D34 | 7°10 | 5°45 | 23° 9 | S 7 |
| S 8 | 17 38 19 | 24°52'33 | 5°Y 2 | 22°17 | 11°40 | 12°51 | 8°25 | 18°25 | 7°33 | 6°11 | 10°35 | 8°35 | 7° 7 | 5°51 | 23°16 | S 8 |
| M 9 | 17 42 16 | 25°49'45 | 17°16 | 21°44 | 12°53 | 13°27 | 8°38 | 18°22 | 7°36 | 6°D11 | 10°37 | 8°36 | 7° 3 | 5°58 | 23°22 | M 9 |
| T 10 | 17 46 12 | 26°46'58 | 29°17 | 21°13 | 14° 6 | 14° 3 | 8°52 | 18°19 | 7°39 | 6°11 | 10°38 | 8°37 | 7° 0 | 6° 5 | 23°29 | T 10 |
| W11 | 17 50 9 | 27°44'10 | 11♂ 9 | 20°44 | 15°20 | 14°39 | 9° 6 | 18°16 | 7°42 | 6°11 | 10°40 | 8°R38 | 6°57 | 6°11 | 23°36 | W11 |
| T 12 | 17 54 6 | 28°41'22 | 22°57 | 20°18 | 16°33 | 15°15 | 9°19 | 18°13 | 7°45 | 6°11 | 10°41 | 8°36 | 6°54 | 6°18 | 23°42 | T 12 |
| F 13 | 17 58 2 | 29°38'34 | 4♂43 | 19°55 | 17°46 | 15°51 | 9°33 | 18°10 | 7°48 | 6°11 | 10°42 | 8°33 | 6°51 | 6°25 | 23°49 | F 13 |
| S 14 | 18 1 59 | 0♂35'47 | 16°33 | 19°37 | 19° 0 | 16°27 | 9°46 | 18° 8 | 7°51 | 6°11 | 10°44 | 8°28 | 6°47 | 6°31 | 23°56 | S 14 |
| S 15 | 18 5 55 | 1°32'59 | 28°27 | 19°22 | 20°13 | 17° 3 | 10° 0 | 18° 5 | 7°54 | 6°11 | 10°45 | 8°20 | 6°44 | 6°38 | 24° 3 | S 15 |
| M16 | 18 9 52 | 2°30'11 | 10♂28 | 19°11 | 21°26 | 17°39 | 10°13 | 18° 2 | 7°58 | 6°12 | 10°47 | 8°11 | 6°41 | 6°45 | 24°10 | M16 |
| T 17 | 18 13 48 | 3°27'23 | 22°36 | 19° 5 | 22°40 | 18°16 | 10°26 | 18° 0 | 8° 1 | 6°12 | 10°48 | 8° 0 | 6°38 | 6°51 | 24°17 | T 17 |
| W18 | 18 17 45 | 4°24'35 | 4♂54 | 19°D 4 | 23°53 | 18°52 | 10°40 | 17°57 | 8° 4 | 6°12 | 10°50 | 7°50 | 6°35 | 6°58 | 24°24 | W18 |
| T 19 | 18 21 41 | 5°21'47 | 17°22 | 19° 7 | 25° 6 | 19°28 | 10°53 | 17°55 | 8° 7 | 6°12 | 10°52 | 7°41 | 6°32 | 7° 5 | 24°31 | T 19 |
| F 20 | 18 25 38 | 6°18'58 | 0♂ 3 | 19°16 | 26°19 | 20° 4 | 11° 6 | 17°53 | 8°11 | 6°13 | 10°53 | 7°34 | 6°28 | 7°11 | 24°38 | F 20 |
| S 21 | 18 29 35 | 7°16'10 | 12°56 | 19°30 | 27°33 | 20°41 | 11°19 | 17°51 | 8°14 | 6°13 | 10°55 | 7°29 | 6°25 | 7°18 | 24°45 | S 21 |
| S 22 | 18 33 31 | 8°13'21 | 26° 6 | 19°48 | 28°46 | 21°17 | 11°33 | 17°49 | 8°17 | 6°13 | 10°56 | 7°27 | 6°22 | 7°24 | 24°52 | S 22 |
| M23 | 18 37 28 | 9°10'33 | 9♂33 | 20°12 | 29°59 | 21°54 | 11°46 | 17°47 | 8°20 | 6°14 | 10°58 | 7°D26 | 6°19 | 7°31 | 24°59 | M23 |
| T 24 | 18 41 24 | 10° 7'44 | 23°20 | 20°42 | 1♂12 | 22°30 | 11°59 | 17°45 | 8°24 | 6°14 | 11° 0 | 7°26 | 6°16 | 7°38 | 25° 6 | T 24 |
| W25 | 18 45 21 | 11° 4'55 | 7♂28 | 21°16 | 2°25 | 23° 7 | 12°12 | 17°43 | 8°27 | 6°15 | 11° 1 | 7°R27 | 6°13 | 7°44 | 25°13 | W25 |
| T 26 | 18 49 17 | 12° 2'06 | 21°56 | 21°55 | 3°38 | 23°43 | 12°25 | 17°41 | 8°31 | 6°15 | 11° 3 | 7°26 | 6° 9 | 7°51 | 25°21 | T 26 |
| F 27 | 18 53 14 | 12°59'17 | 6♂42 | 22°40 | 4°52 | 24°20 | 12°38 | 17°40 | 8°34 | 6°16 | 11° 5 | 7°23 | 6° 6 | 7°58 | 25°28 | F 27 |
| S 28 | 18 57 10 | 13°56'28 | 21°39 | 23°29 | 6° 5 | 24°56 | 12°51 | 17°38 | 8°38 | 6°17 | 11° 6 | 7°18 | 6° 3 | 8° 5 | 25°35 | S 28 |
| S 29 | 19 1 7 | 14°53'40 | 6♂41 | 24°24 | 7°18 | 25°33 | 13° 3 | 17°37 | 8°41 | 6°17 | 11° 8 | 7°10 | 6° 0 | 8°11 | 25°42 | S 29 |
| M30 | 19 5 4 | 15♂50'52 | 21♂38 | 25♂23 | 8♂31 | 26♂10 | 13♂16 | 17♂35 | 8♂44 | 6♂18 | 11♂10 | 7♂ 1 | 5♂57 | 8♂18 | 25♂49 | M30 |

Delta T = 06m20s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1455

geocentric

JULY 1455 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|--------|--------|--------|--------|---------|--------|--------|------|--------|-------|-------|---------|--------|------|
| T 1 | 19 9 0 | 16°48'04 | 6°21 | 26°27 | 9°44 | 26°47 | 13°29 | 17°R34 | 8°48 | 6°19 | 11°11 | 6°R51 | 5°M53 | 8°II25 | 25°57 | T 1 |
| W 2 | 19 12 57 | 17°45'17 | 20°42 | 27°36 | 10°57 | 27°24 | 13°42 | 17°M33 | 8°51 | 6°19 | 11°13 | 6°M41 | 5°50 | 8°31 | 26° 4 | W 2 |
| T 3 | 19 16 53 | 18°42'30 | 4°36 | 28°50 | 12°10 | 28° 0 | 13°54 | 17°32 | 8°55 | 6°20 | 11°15 | 6°33 | 5°47 | 8°38 | 26°11 | T 3 |
| F 4 | 19 20 50 | 19°39'45 | 18° 2 | 0°8 8 | 13°23 | 28°37 | 14° 7 | 17°31 | 8°59 | 6°21 | 11°16 | 6°27 | 5°44 | 8°45 | 26°18 | F 4 |
| S 5 | 19 24 46 | 20°36'59 | 1°Y 0 | 1°31 | 14°36 | 29°14 | 14°19 | 17°30 | 9° 2 | 6°22 | 11°18 | 6°24 | 5°41 | 8°51 | 26°26 | S 5 |
| S 6 | 19 28 43 | 21°34'15 | 13°34 | 2°58 | 15°49 | 29°51 | 14°32 | 17°29 | 9° 6 | 6°22 | 11°20 | 6°22 | 5°38 | 8°58 | 26°33 | S 6 |
| M 7 | 19 32 39 | 22°31'32 | 25°49 | 4°30 | 17° 2 | 0°M28 | 14°44 | 17°29 | 9° 9 | 6°23 | 11°22 | 6°D22 | 5°34 | 9° 5 | 26°40 | M 7 |
| T 8 | 19 36 36 | 23°28'49 | 7°50 | 6° 6 | 18°15 | 1° 5 | 14°56 | 17°28 | 9°13 | 6°24 | 11°24 | 6°R22 | 5°31 | 9°11 | 26°48 | T 8 |
| W 9 | 19 40 33 | 24°26'08 | 19°41 | 7°45 | 19°28 | 1°42 | 15° 8 | 17°28 | 9°17 | 6°25 | 11°25 | 6°21 | 5°28 | 9°18 | 26°55 | W 9 |
| T 10 | 19 44 29 | 25°23'27 | 1°II29 | 9°28 | 20°41 | 2°20 | 15°21 | 17°27 | 9°20 | 6°26 | 11°27 | 6°19 | 5°25 | 9°25 | 27° 2 | T 10 |
| F 11 | 19 48 26 | 26°20'48 | 13°18 | 11°15 | 21°54 | 2°57 | 15°33 | 17°27 | 9°24 | 6°27 | 11°29 | 6°14 | 5°22 | 9°31 | 27°10 | F 11 |
| S 12 | 19 52 22 | 27°18'09 | 25°11 | 13° 5 | 23° 6 | 3°34 | 15°45 | 17°27 | 9°27 | 6°28 | 11°31 | 6° 7 | 5°19 | 9°38 | 27°17 | S 12 |
| S 13 | 19 56 19 | 28°15'32 | 7°512 | 14°58 | 24°19 | 4°11 | 15°57 | 17°26 | 9°31 | 6°29 | 11°33 | 5°57 | 5°15 | 9°45 | 27°24 | S 13 |
| M14 | 20 0 15 | 29°12'55 | 19°23 | 16°54 | 25°32 | 4°49 | 16° 9 | 17°D26 | 9°35 | 6°30 | 11°34 | 5°44 | 5°12 | 9°51 | 27°32 | M14 |
| T 15 | 20 4 12 | 0°II10'19 | 1°M44 | 18°52 | 26°45 | 5°26 | 16°20 | 17°27 | 9°38 | 6°31 | 11°36 | 5°31 | 5° 9 | 9°58 | 27°39 | T 15 |
| W16 | 20 8 8 | 1° 7'44 | 14°18 | 20°52 | 27°58 | 6° 4 | 16°32 | 17°27 | 9°42 | 6°33 | 11°38 | 5°18 | 5° 6 | 10° 5 | 27°46 | W16 |
| T 17 | 20 12 5 | 2° 5'10 | 27° 3 | 22°53 | 29°11 | 6°41 | 16°44 | 17°27 | 9°46 | 6°34 | 11°40 | 5° 6 | 5° 3 | 10°11 | 27°54 | T 17 |
| F 18 | 20 16 2 | 3° 2'36 | 9°M59 | 24°56 | 0°M23 | 7°19 | 16°55 | 17°27 | 9°50 | 6°35 | 11°42 | 4°56 | 4°59 | 10°18 | 28° 1 | F 18 |
| S 19 | 20 19 58 | 4° 0'04 | 23° 7 | 26°59 | 1°36 | 7°56 | 17° 7 | 17°28 | 9°53 | 6°36 | 11°44 | 4°49 | 4°56 | 10°25 | 28° 8 | S 19 |
| S 20 | 20 23 55 | 4°57'32 | 6°527 | 29° 4 | 2°49 | 8°34 | 17°18 | 17°28 | 9°57 | 6°37 | 11°45 | 4°45 | 4°53 | 10°31 | 28°16 | S 20 |
| M21 | 20 27 51 | 5°55'01 | 19°59 | 1°M 8 | 4° 1 | 9°11 | 17°30 | 17°29 | 10° 1 | 6°39 | 11°47 | 4°43 | 4°50 | 10°38 | 28°23 | M21 |
| T 22 | 20 31 48 | 6°52'31 | 3°M44 | 3°13 | 5°14 | 9°49 | 17°41 | 17°30 | 10° 4 | 6°40 | 11°49 | 4°43 | 4°47 | 10°45 | 28°30 | T 22 |
| W23 | 20 35 44 | 7°50'01 | 17°44 | 5°17 | 6°27 | 10°27 | 17°52 | 17°31 | 10° 8 | 6°41 | 11°51 | 4°43 | 4°44 | 10°51 | 28°38 | W23 |
| T 24 | 20 39 41 | 8°47'32 | 1°M58 | 7°21 | 7°39 | 11° 5 | 18° 3 | 17°32 | 10°12 | 6°43 | 11°53 | 4°42 | 4°40 | 10°58 | 28°45 | T 24 |
| F 25 | 20 43 37 | 9°45'05 | 16°25 | 9°24 | 8°52 | 11°42 | 18°14 | 17°33 | 10°16 | 6°44 | 11°55 | 4°39 | 4°37 | 11° 5 | 28°52 | F 25 |
| S 26 | 20 47 34 | 10°42'38 | 1°Z 1 | 11°26 | 10° 4 | 12°20 | 18°25 | 17°34 | 10°19 | 6°45 | 11°57 | 4°33 | 4°34 | 11°11 | 29° 0 | S 26 |
| S 27 | 20 51 31 | 11°40'12 | 15°41 | 13°27 | 11°17 | 12°58 | 18°36 | 17°35 | 10°23 | 6°47 | 11°58 | 4°24 | 4°31 | 11°18 | 29° 7 | S 27 |
| M28 | 20 55 27 | 12°37'47 | 0°M18 | 15°28 | 12°29 | 13°36 | 18°47 | 17°36 | 10°27 | 6°48 | 12° 0 | 4°14 | 4°28 | 11°25 | 29°14 | M28 |
| T 29 | 20 59 24 | 13°35'24 | 14°45 | 17°27 | 13°42 | 14°14 | 18°57 | 17°38 | 10°30 | 6°50 | 12° 2 | 4° 2 | 4°25 | 11°31 | 29°21 | T 29 |
| W30 | 21 3 20 | 14°33'01 | 28°55 | 19°25 | 14°54 | 14°52 | 19° 8 | 17°39 | 10°34 | 6°51 | 12° 4 | 3°51 | 4°21 | 11°38 | 29°28 | W30 |
| T 31 | 21 7 17 | 15°30'40 | 12°H43 | 21°M21 | 16°M 7 | 15°M30 | 19°II18 | 17°M41 | 10°M38 | 6°53 | 12°M 6 | 3°M42 | 4°M18 | 11°II45 | 29°536 | T 31 |

Delta T = 06m19s

Julian Calendar 1 July 1455 == Greg. Calendar 10 July 1455

AUGUST 1455 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|------------|--------|--------|--------|--------|---------|--------|--------|------|--------|-------|-------|---------|--------|------|
| F 1 | 21 11 13 | 16°II28'21 | 26°H 5 | 23°M16 | 17°M19 | 16°M 8 | 19°II29 | 17°M43 | 10°M42 | 6°54 | 12°M 8 | 3°R35 | 4°M15 | 11°II51 | 29°543 | F 1 |
| S 2 | 21 15 10 | 17°26'03 | 9°Y 3 | 25°10 | 18°31 | 16°46 | 19°39 | 17°45 | 10°45 | 6°56 | 12°10 | 3°M30 | 4°12 | 11°58 | 29°50 | S 2 |
| S 3 | 21 19 6 | 18°23'46 | 21°38 | 27° 3 | 19°44 | 17°25 | 19°49 | 17°46 | 10°49 | 6°58 | 12°11 | 3°28 | 4° 9 | 12° 5 | 29°57 | S 3 |
| M 4 | 21 23 3 | 19°21'31 | 3°B54 | 28°54 | 20°56 | 18° 3 | 19°59 | 17°48 | 10°53 | 6°59 | 12°13 | 3°D28 | 4° 5 | 12°11 | 0°M 4 | M 4 |
| T 5 | 21 27 0 | 20°19'18 | 15°56 | 0°M43 | 22° 8 | 18°41 | 20° 9 | 17°51 | 10°56 | 7° 1 | 12°15 | 3°R28 | 4° 2 | 12°18 | 0°11 | T 5 |
| W 6 | 21 30 56 | 21°17'07 | 27°49 | 2°32 | 23°20 | 19°19 | 20°19 | 17°53 | 11° 0 | 7° 2 | 12°17 | 3°28 | 3°59 | 12°25 | 0°19 | W 6 |
| T 7 | 21 34 53 | 22°14'57 | 9°II38 | 4°19 | 24°33 | 19°58 | 20°28 | 17°55 | 11° 4 | 7° 4 | 12°19 | 3°26 | 3°56 | 12°31 | 0°26 | T 7 |
| F 8 | 21 38 49 | 23°12'50 | 21°29 | 6° 4 | 25°45 | 20°36 | 20°38 | 17°57 | 11° 7 | 7° 6 | 12°21 | 3°23 | 3°53 | 12°38 | 0°33 | F 8 |
| S 9 | 21 42 46 | 24°10'44 | 3°527 | 7°48 | 26°57 | 21°15 | 20°48 | 18° 0 | 11°11 | 7° 8 | 12°22 | 3°17 | 3°50 | 12°45 | 0°40 | S 9 |
| S 10 | 21 46 42 | 25° 8'39 | 15°34 | 9°31 | 28° 9 | 21°53 | 20°57 | 18° 2 | 11°15 | 7° 9 | 12°24 | 3° 8 | 3°46 | 12°51 | 0°47 | S 10 |
| M11 | 21 50 39 | 26° 6'37 | 27°54 | 11°13 | 29°21 | 22°32 | 21° 6 | 18° 5 | 11°18 | 7°11 | 12°26 | 2°58 | 3°43 | 12°58 | 0°54 | M11 |
| T 12 | 21 54 35 | 27° 4'36 | 10°M29 | 12°53 | 0°533 | 23°10 | 21°15 | 18° 8 | 11°22 | 7°13 | 12°28 | 2°47 | 3°40 | 13° 5 | 1° 1 | T 12 |
| W13 | 21 58 32 | 28° 2'37 | 23°19 | 14°32 | 1°45 | 23°49 | 21°24 | 18°10 | 11°26 | 7°15 | 12°30 | 2°35 | 3°37 | 13°11 | 1° 7 | W13 |
| T 14 | 22 2 29 | 29° 0'39 | 6°M23 | 16°10 | 2°57 | 24°28 | 21°33 | 18°13 | 11°29 | 7°17 | 12°31 | 2°25 | 3°34 | 13°18 | 1°14 | T 14 |
| F 15 | 22 6 25 | 29°58'43 | 19°41 | 17°46 | 4° 9 | 25° 6 | 21°42 | 18°16 | 11°33 | 7°18 | 12°33 | 2°16 | 3°31 | 13°25 | 1°21 | F 15 |
| S 16 | 22 10 22 | 0°M56'49 | 3°511 | 19°21 | 5°21 | 25°45 | 21°51 | 18°19 | 11°36 | 7°20 | 12°35 | 2°11 | 3°27 | 13°31 | 1°28 | S 16 |
| S 17 | 22 14 18 | 1°54'56 | 16°51 | 20°55 | 6°33 | 26°24 | 21°59 | 18°23 | 11°40 | 7°22 | 12°37 | 2° 7 | 3°24 | 13°38 | 1°35 | S 17 |
| M18 | 22 18 15 | 2°53'04 | 0°M39 | 22°28 | 7°44 | 27° 3 | 22° 7 | 18°26 | 11°43 | 7°24 | 12°39 | 2°D 6 | 3°21 | 13°45 | 1°41 | M18 |
| T 19 | 22 22 11 | 3°51'15 | 14°35 | 23°59 | 8°56 | 27°42 | 22°16 | 18°29 | 11°47 | 7°26 | 12°40 | 2° 7 | 3°18 | 13°51 | 1°48 | T 19 |
| W20 | 22 26 8 | 4°49'26 | 28°37 | 25°29 | 10° 8 | 28°21 | 22°24 | 18°33 | 11°50 | 7°28 | 12°42 | 2°R 7 | 3°15 | 13°58 | 1°55 | W20 |
| T 21 | 22 30 4 | 5°47'39 | 12°M45 | 26°58 | 11°20 | 29° 0 | 22°32 | 18°36 | 11°54 | 7°30 | 12°44 | 2° 7 | 3°11 | 14° 5 | 2° 1 | T 21 |
| F 22 | 22 34 1 | 6°45'54 | 26°58 | 28°26 | 12°31 | 29°39 | 22°40 | 18°40 | 11°57 | 7°32 | 12°46 | 2° 6 | 3° 8 | 14°12 | 2° 8 | F 22 |
| S 23 | 22 37 58 | 7°44'10 | 11°Z14 | 29°52 | 13°43 | 0°518 | 22°47 | 18°43 | 12° 1 | 7°34 | 12°47 | 2° 2 | 3° 5 | 14°18 | 2°15 | S 23 |
| S 24 | 22 41 54 | 8°42'28 | 25°29 | 1°517 | 14°54 | 0°57 | 22°55 | 18°47 | 12° 4 | 7°36 | 12°49 | 1°56 | 3° 2 | 14°25 | 2°21 | S 24 |
| M25 | 22 45 51 | 9°40'47 | 9°M39 | 2°41 | 16° 6 | 1°36 | 23° 2 | 18°51 | 12° 8 | 7°38 | 12°51 | 1°48 | 2°59 | 14°32 | 2°28 | M25 |
| T 26 | 22 49 47 | 10°39'08 | 23°41 | 4° 3 | 17°17 | 2°16 | 23°10 | 18°55 | 12°11 | 7°40 | 12°52 | 1°40 | 2°56 | 14°38 | 2°34 | T 26 |
| W27 | 22 53 44 | 11°37'31 | 7°H28 | 5°24 | 18°29 | 2°55 | 23°17 | 18°59 | 12°15 | 7°42 | 12°54 | 1°31 | 2°52 | 14°45 | 2°40 | W27 |
| T 28 | 22 57 40 | 12°35'55 | 20°58 | 6°44 | 19°40 | 3°34 | 23°24 | 19° 3 | 12°18 | 7°44 | 12°56 | 1°24 | 2°49 | 14°52 | 2°47 | T 28 |
| F 29 | 23 1 37 | 13°34'21 | 4°Y 9 | 8° 2 | 20°52 | 4°14 | 23°31 | 19° 7 | 12°21 | 7°46 | 12°57 | 1°19 | 2°46 | 14°58 | 2°53 | F 29 |
| S 30 | 23 5 33 | 14°32'50 | 17° 0 | 9°19 | 22° 3 | 4°53 | 23°37 | 19°11 | 12°24 | 7°48 | 12°59 | 1°16 | 2°43 | 15° 5 | 2°59 | S 30 |
| S 31 | 23 9 30 | 15°M31'20 | 29°Y31 | 10°534 | 23°514 | 5°533 | 23°II44 | 19°M15 | 12°M28 | 7°50 | 13°M 1 | 1°D15 | 2°M40 | 15°II12 | 3°M 5 | S 31 |

Delta T = 06m19s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1455
geocentric

SEPTEMBER 1455 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|--------|-------|-------|-------|-------|-------|------|-------|-------|------|-------|------|------|
| M 1 | 23 13 26 | 16♏29°53 | 11♏46 | 11♏47 | 24♏25 | 6♏12 | 23♏50 | 19♏20 | 12♏31 | 7♏52 | 13♏2 | 1♏16 | 2♏36 | 15♏18 | 3♏12 | M 1 |
| T 2 | 23 17 23 | 17°28'28 | 23°48 | 12°59 | 25°36 | 6°52 | 23°56 | 19°24 | 12°34 | 7°54 | 13°4 | 1°17 | 2°33 | 15°25 | 3°18 | T 2 |
| W 3 | 23 21 20 | 18°27'05 | 5♏42 | 14°9 | 26°47 | 7°31 | 24°2 | 19°29 | 12°37 | 7°57 | 13°5 | 1°18 | 2°30 | 15°32 | 3°24 | W 3 |
| T 4 | 23 25 16 | 19°25'44 | 17°32 | 15°17 | 27°58 | 8°11 | 24°8 | 19°33 | 12°41 | 7°59 | 13°7 | 1°R19 | 2°27 | 15°38 | 3°30 | T 4 |
| F 5 | 23 29 13 | 20°24'26 | 29°24 | 16°23 | 29°9 | 8°51 | 24°14 | 19°38 | 12°44 | 8°1 | 13°9 | 1°19 | 2°24 | 15°45 | 3°36 | F 5 |
| S 6 | 23 33 9 | 21°23'10 | 11♏23 | 17°27 | 0♏20 | 9°31 | 24°20 | 19°42 | 12°47 | 8°3 | 13°10 | 1°17 | 2°21 | 15°52 | 3°41 | S 6 |
| S 7 | 23 37 6 | 22°21'56 | 23°33 | 18°28 | 1°31 | 10°10 | 24°25 | 19°47 | 12°50 | 8°5 | 13°12 | 1°13 | 2°17 | 15°58 | 3°47 | S 7 |
| M 8 | 23 41 2 | 23°20'44 | 5♏58 | 19°27 | 2°42 | 10°50 | 24°30 | 19°52 | 12°53 | 8°7 | 13°13 | 1°8 | 2°14 | 16°5 | 3°53 | M 8 |
| T 9 | 23 44 59 | 24°19'35 | 18°41 | 20°23 | 3°53 | 11°30 | 24°35 | 19°57 | 12°56 | 8°9 | 13°15 | 1°2 | 2°11 | 16°12 | 3°59 | T 9 |
| W10 | 23 48 55 | 25°18'27 | 1♏44 | 21°17 | 5°3 | 12°10 | 24°40 | 20°2 | 12°59 | 8°12 | 13°16 | 0°55 | 2°8 | 16°18 | 4°4 | W10 |
| T 11 | 23 52 52 | 26°17'22 | 15°5 | 22°7 | 6°14 | 12°50 | 24°45 | 20°7 | 13°2 | 8°14 | 13°18 | 0°50 | 2°5 | 16°25 | 4°10 | T 11 |
| F 12 | 23 56 49 | 27°16'19 | 28°45 | 22°54 | 7°25 | 13°30 | 24°50 | 20°12 | 13°5 | 8°16 | 13°19 | 0°45 | 2°2 | 16°32 | 4°15 | F 12 |
| S 13 | 0 0 45 | 28°15'18 | 12♏39 | 23°37 | 8°35 | 14°10 | 24°54 | 20°17 | 13°8 | 8°18 | 13°20 | 0°42 | 1°58 | 16°38 | 4°21 | S 13 |
| S 14 | 0 4 42 | 29°14'19 | 26°45 | 24°16 | 9°46 | 14°51 | 24°58 | 20°23 | 13°11 | 8°20 | 13°22 | 0°D41 | 1°55 | 16°45 | 4°26 | S 14 |
| M15 | 0 8 38 | 0♏13'22 | 10♏59 | 24°51 | 10°56 | 15°31 | 25°2 | 20°28 | 13°14 | 8°23 | 13°23 | 0°41 | 1°52 | 16°52 | 4°32 | M15 |
| T 16 | 0 12 35 | 1°12'26 | 25°15 | 25°21 | 12°6 | 16°11 | 25°6 | 20°33 | 13°16 | 8°25 | 13°25 | 0°43 | 1°49 | 16°59 | 4°37 | T 16 |
| W17 | 0 16 31 | 2°11'33 | 9♏33 | 25°46 | 13°17 | 16°51 | 25°10 | 20°39 | 13°19 | 8°27 | 13°26 | 0°44 | 1°46 | 17°5 | 4°42 | W17 |
| T 18 | 0 20 28 | 3°10'41 | 23°47 | 26°6 | 14°27 | 17°32 | 25°13 | 20°44 | 13°22 | 8°29 | 13°27 | 0°45 | 1°42 | 17°12 | 4°47 | T 18 |
| F 19 | 0 24 24 | 4°9'52 | 7♏57 | 26°19 | 15°37 | 18°12 | 25°17 | 20°50 | 13°25 | 8°32 | 13°29 | 0°R46 | 1°39 | 17°19 | 4°52 | F 19 |
| S 20 | 0 28 21 | 5°9'03 | 22°0 | 26°R26 | 16°47 | 18°53 | 25°20 | 20°55 | 13°27 | 8°34 | 13°30 | 0°45 | 1°36 | 17°25 | 4°57 | S 20 |
| S 21 | 0 32 18 | 6°8'17 | 5♏56 | 26°26 | 17°57 | 19°33 | 25°23 | 21°1 | 13°30 | 8°36 | 13°31 | 0°42 | 1°33 | 17°32 | 5°2 | S 21 |
| M22 | 0 36 14 | 7°7'32 | 19°41 | 26°18 | 19°7 | 20°14 | 25°25 | 21°7 | 13°32 | 8°38 | 13°32 | 0°40 | 1°30 | 17°39 | 5°7 | M22 |
| T 23 | 0 40 11 | 8°6'50 | 3♏15 | 26°3 | 20°17 | 20°54 | 25°28 | 21°12 | 13°35 | 8°41 | 13°34 | 0°36 | 1°27 | 17°45 | 5°12 | T 23 |
| W24 | 0 44 7 | 9°6'09 | 16°36 | 25°40 | 21°26 | 21°35 | 25°30 | 21°18 | 13°37 | 8°43 | 13°35 | 0°33 | 1°23 | 17°52 | 5°16 | W24 |
| T 25 | 0 48 4 | 10°5'30 | 29°43 | 25°8 | 22°36 | 22°16 | 25°33 | 21°24 | 13°40 | 8°45 | 13°36 | 0°30 | 1°20 | 17°59 | 5°21 | T 25 |
| F 26 | 0 52 0 | 11°4'53 | 12♏34 | 24°28 | 23°45 | 22°56 | 25°35 | 21°30 | 13°42 | 8°47 | 13°37 | 0°28 | 1°17 | 18°5 | 5°25 | F 26 |
| S 27 | 0 55 57 | 12°4'18 | 25°11 | 23°40 | 24°55 | 23°37 | 25°36 | 21°36 | 13°45 | 8°49 | 13°38 | 0°D27 | 1°14 | 18°12 | 5°30 | S 27 |
| S 28 | 0 59 53 | 13°3'45 | 7♏34 | 22°45 | 26°4 | 24°18 | 25°38 | 21°42 | 13°47 | 8°52 | 13°39 | 0°27 | 1°11 | 18°19 | 5°34 | S 28 |
| M29 | 1 3 50 | 14°3'15 | 19°44 | 21°43 | 27°13 | 24°59 | 25°39 | 21°48 | 13°49 | 8°54 | 13°40 | 0°28 | 1°7 | 18°25 | 5°39 | M29 |
| T 30 | 1 7 46 | 15♏246 | 1♏43 | 20♏35 | 28♏23 | 25♏40 | 25♏41 | 21♏54 | 13♏51 | 8♏56 | 13♏41 | 0♏29 | 1♏4 | 18♏32 | 5♏43 | T 30 |

Delta T = 06m19s

Julian Calendar 1 Sept. 1455 == Greg. Calendar 10 Sept. 1455

OCTOBER 1455 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|---------|-------|--------|-------|-------|--------|-------|-------|------|-------|-------|-------|-------|------|------|
| W 1 | 1 11 43 | 16♏20 | 13♏37 | 19°R24 | 29♏32 | 26♏21 | 25♏42 | 22♏0 | 13♏54 | 8♏58 | 13♏42 | 0♏31 | 1♏1 | 18♏39 | 5♏47 | W 1 |
| T 2 | 1 15 40 | 17°1'57 | 25°27 | 18♏10 | 0♏41 | 27°2 | 25°42 | 22°6 | 13°56 | 9°1 | 13°43 | 0°32 | 0°58 | 18°45 | 5°51 | T 2 |
| F 3 | 1 19 36 | 18°1'35 | 7♏18 | 16°56 | 1°50 | 27°43 | 25°43 | 22°13 | 13°58 | 9°3 | 13°44 | 0°33 | 0°55 | 18°52 | 5°55 | F 3 |
| S 4 | 1 23 33 | 19°1'16 | 19°16 | 15°44 | 2°58 | 28°24 | 25°43 | 22°19 | 14°0 | 9°5 | 13°45 | 0°R33 | 0°52 | 18°59 | 5°59 | S 4 |
| S 5 | 1 27 29 | 20°0'59 | 1♏25 | 14°36 | 4°7 | 29°6 | 25°44 | 22°25 | 14°2 | 9°7 | 13°46 | 0°33 | 0°48 | 19°6 | 6°3 | S 5 |
| M 6 | 1 31 26 | 21°0'44 | 13°49 | 13°34 | 5°15 | 29°47 | 25°R44 | 22°32 | 14°4 | 9°9 | 13°47 | 0°32 | 0°45 | 19°12 | 6°6 | M 6 |
| T 7 | 1 35 22 | 22°0'32 | 26°32 | 12°41 | 6°24 | 0♏28 | 25°43 | 22°38 | 14°6 | 9°12 | 13°48 | 0°31 | 0°42 | 19°19 | 6°10 | T 7 |
| W 8 | 1 39 19 | 23°0'22 | 9♏38 | 11°57 | 7°32 | 1°10 | 25°43 | 22°44 | 14°8 | 9°14 | 13°49 | 0°30 | 0°39 | 19°26 | 6°13 | W 8 |
| T 9 | 1 43 15 | 24°0'14 | 23°8 | 11°23 | 8°40 | 1°51 | 25°42 | 22°51 | 14°10 | 9°16 | 13°50 | 0°29 | 0°36 | 19°32 | 6°17 | T 9 |
| F 10 | 1 47 12 | 25°0'08 | 7♏0 | 11°1 | 9°48 | 2°33 | 25°42 | 22°57 | 14°11 | 9°18 | 13°51 | 0°29 | 0°33 | 19°39 | 6°20 | F 10 |
| S 11 | 1 51 9 | 26°0'04 | 21°14 | 10°D50 | 10°56 | 3°14 | 25°41 | 23°4 | 14°13 | 9°20 | 13°51 | 0°28 | 0°29 | 19°46 | 6°24 | S 11 |
| S 12 | 1 55 5 | 27°0'02 | 5♏45 | 10°51 | 12°4 | 3°56 | 25°39 | 23°10 | 14°15 | 9°23 | 13°52 | 0°D28 | 0°26 | 19°52 | 6°27 | S 12 |
| M13 | 1 59 2 | 28°0'02 | 20°26 | 11°2 | 13°12 | 4°37 | 25°38 | 23°17 | 14°16 | 9°25 | 13°53 | 0°28 | 0°23 | 19°59 | 6°30 | M13 |
| T 14 | 2 2 58 | 29°0'04 | 5♏11 | 11°24 | 14°19 | 5°19 | 25°36 | 23°24 | 14°18 | 9°27 | 13°54 | 0°29 | 0°20 | 20°6 | 6°33 | T 14 |
| W15 | 2 6 55 | 0♏0'08 | 19°52 | 11°56 | 15°27 | 6°1 | 25°34 | 23°30 | 14°19 | 9°29 | 13°54 | 0°29 | 0°17 | 20°12 | 6°36 | W15 |
| T 16 | 2 10 51 | 1°0'13 | 4♏25 | 12°36 | 16°34 | 6°43 | 25°32 | 23°37 | 14°21 | 9°31 | 13°55 | 0°R29 | 0°13 | 20°19 | 6°38 | T 16 |
| F 17 | 2 14 48 | 2°0'20 | 18°45 | 13°25 | 17°41 | 7°24 | 25°30 | 23°44 | 14°22 | 9°33 | 13°55 | 0°29 | 0°10 | 20°26 | 6°41 | F 17 |
| S 18 | 2 18 44 | 3°0'29 | 2♏48 | 14°20 | 18°48 | 8°6 | 25°28 | 23°51 | 14°24 | 9°35 | 13°56 | 0°D29 | 0°7 | 20°33 | 6°44 | S 18 |
| S 19 | 2 22 41 | 4°0'39 | 16°35 | 15°22 | 19°55 | 8°48 | 25°25 | 23°57 | 14°25 | 9°37 | 13°57 | 0°29 | 0°4 | 20°39 | 6°46 | S 19 |
| M20 | 2 26 38 | 5°0'50 | 0♏4 | 16°29 | 21°1 | 9°30 | 25°22 | 24°4 | 14°26 | 9°39 | 13°57 | 0°29 | 0°1 | 20°46 | 6°49 | M20 |
| T 21 | 2 30 34 | 6°1'03 | 13°16 | 17°41 | 22°8 | 10°12 | 25°19 | 24°11 | 14°28 | 9°42 | 13°58 | 0°30 | 29♏58 | 20°53 | 6°51 | T 21 |
| W22 | 2 34 31 | 7°1'18 | 26°14 | 18°58 | 23°14 | 10°54 | 25°16 | 24°18 | 14°29 | 9°44 | 13°58 | 0°30 | 29°54 | 20°59 | 6°53 | W22 |
| T 23 | 2 38 27 | 8°1'34 | 8♏58 | 20°17 | 24°20 | 11°36 | 25°13 | 24°25 | 14°30 | 9°46 | 13°59 | 0°31 | 29°51 | 21°6 | 6°55 | T 23 |
| F 24 | 2 42 24 | 9°1'52 | 21°29 | 21°40 | 25°26 | 12°19 | 25°9 | 24°32 | 14°31 | 9°48 | 13°59 | 0°31 | 29°48 | 21°13 | 6°57 | F 24 |
| S 25 | 2 46 20 | 10°2'11 | 3♏49 | 23°5 | 26°31 | 13°1 | 25°6 | 24°39 | 14°32 | 9°50 | 13°59 | 0°R31 | 29°45 | 21°19 | 6°59 | S 25 |
| S 26 | 2 50 17 | 11°2'32 | 16°0 | 24°32 | 27°37 | 13°43 | 25°2 | 24°46 | 14°33 | 9°52 | 14°0 | 0°31 | 29°42 | 21°26 | 7°1 | S 26 |
| M27 | 2 54 13 | 12°2'55 | 28°2 | 26°0 | 28°42 | 14°26 | 24°57 | 24°53 | 14°34 | 9°54 | 14°0 | 0°30 | 29°39 | 21°33 | 7°2 | M27 |
| T 28 | 2 58 10 | 13°3'20 | 9♏58 | 27°31 | 29°47 | 15°8 | 24°53 | 24°59 | 14°35 | 9°56 | 14°0 | 0°28 | 29°35 | 21°39 | 7°4 | T 28 |
| W29 | 3 2 7 | 14°3'46 | 21°50 | 29°2 | 0♏51 | 15°50 | 24°49 | 25°6 | 14°35 | 9°57 | 14°1 | 0°26 | 29°32 | 21°46 | 7°6 | W29 |
| T 30 | 3 6 3 | 15°4'15 | 3♏40 | 0♏34 | 1°56 | 16°33 | 24°44 | 25°13 | 14°36 | 9°59 | 14°1 | 0°24 | 29°29 | 21°53 | 7°7 | T 30 |
| F 31 | 3 10 0 | 16♏445 | 15♏31 | 2♏7 | 3♏0 | 17♏15 | 24♏39 | 25♏20 | 14♏37 | 10♏1 | 14♏1 | 0♏22 | 29♏26 | 22♏0 | 7♏8 | F 31 |

Delta T = 06m19s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1455

geocentric

NOVEMBER 1455 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|------|
| S 1 | 3 13 56 | 17♏ 5'17 | 27♏28 | 3♏40 | 4♏ 4 | 17♏58 | 24°R34 | 25♏28 | 14♏37 | 10♏ 3 | 14♏ 1 | 0°R20 | 29♏23 | 22♏ 6 | 7♏ 9 | S 1 |
| S 2 | 3 17 53 | 18° 5'50 | 9♏34 | 5°14 | 5° 7 | 18°41 | 24♏29 | 25°35 | 14°38 | 10° 5 | 14° 1 | 0♏19 | 29°19 | 22°13 | 7°10 | S 2 |
| M 3 | 3 21 49 | 19° 6'26 | 21°53 | 6°49 | 6°11 | 19°23 | 24°24 | 25°42 | 14°39 | 10° 7 | 14° 2 | 0°D19 | 29°16 | 22°20 | 7°11 | M 3 |
| T 4 | 3 25 46 | 20° 7'03 | 4♏31 | 8°23 | 7°14 | 20° 6 | 24°18 | 25°49 | 14°39 | 10° 9 | 14° 2 | 0°19 | 29°13 | 22°26 | 7°12 | T 4 |
| W 5 | 3 29 42 | 21° 7'42 | 17°31 | 9°58 | 8°16 | 20°49 | 24°13 | 25°56 | 14°39 | 10°11 | 14° 2 | 0°21 | 29°10 | 22°33 | 7°13 | W 5 |
| T 6 | 3 33 39 | 22° 8'22 | 0♏57 | 11°32 | 9°19 | 21°32 | 24° 7 | 26° 3 | 14°40 | 10°12 | 14° 2 | 0°22 | 29° 7 | 22°40 | 7°14 | T 6 |
| F 7 | 3 37 36 | 23° 9'04 | 14°50 | 13° 7 | 10°21 | 22°15 | 24° 1 | 26°10 | 14°40 | 10°14 | 14°R 2 | 0°24 | 29° 4 | 22°46 | 7°14 | F 7 |
| S 8 | 3 41 32 | 24° 9'48 | 29° 9 | 14°42 | 11°23 | 22°58 | 23°55 | 26°17 | 14°40 | 10°16 | 14° 2 | 0°R24 | 29° 0 | 22°53 | 7°15 | S 8 |
| S 9 | 3 45 29 | 25°10'34 | 13♏52 | 16°17 | 12°24 | 23°41 | 23°48 | 26°24 | 14°40 | 10°18 | 14° 2 | 0°24 | 28°57 | 23° 0 | 7°15 | S 9 |
| M10 | 3 49 25 | 26°11'21 | 28°51 | 17°52 | 13°25 | 24°24 | 23°42 | 26°31 | 14°41 | 10°19 | 14° 2 | 0°22 | 28°54 | 23° 6 | 7°15 | M10 |
| T 11 | 3 53 22 | 27°12'09 | 14♏ 0 | 19°26 | 14°26 | 25° 7 | 23°35 | 26°38 | 14°41 | 10°21 | 14° 2 | 0°19 | 28°51 | 23°13 | 7°R15 | T 11 |
| W12 | 3 57 18 | 28°12'58 | 29° 7 | 21° 1 | 15°26 | 25°50 | 23°29 | 26°45 | 14°R41 | 10°23 | 14° 1 | 0°15 | 28°48 | 23°20 | 7°15 | W12 |
| T 13 | 4 1 15 | 29°13'49 | 14♏ 4 | 22°35 | 16°26 | 26°33 | 23°22 | 26°52 | 14°41 | 10°24 | 14° 1 | 0°11 | 28°45 | 23°27 | 7°15 | T 13 |
| F 14 | 4 5 11 | 0♏14'40 | 28°42 | 24°10 | 17°26 | 27°17 | 23°15 | 26°59 | 14°40 | 10°26 | 14° 1 | 0° 7 | 28°41 | 23°33 | 7°15 | F 14 |
| S 15 | 4 9 8 | 1°15'33 | 12♏58 | 25°44 | 18°25 | 28° 0 | 23° 8 | 27° 7 | 14°40 | 10°27 | 14° 1 | 0° 4 | 28°38 | 23°40 | 7°14 | S 15 |
| S 16 | 4 13 5 | 2°16'26 | 26°48 | 27°19 | 19°23 | 28°43 | 23° 1 | 27°14 | 14°40 | 10°29 | 14° 1 | 0°D 3 | 28°35 | 23°47 | 7°14 | S 16 |
| M17 | 4 17 1 | 3°17'20 | 10♏13 | 28°53 | 20°22 | 29°27 | 22°54 | 27°21 | 14°40 | 10°30 | 14° 0 | 0° 3 | 28°32 | 23°53 | 7°13 | M17 |
| T 18 | 4 20 58 | 4°18'14 | 23°16 | 0♏27 | 21°19 | 0♏10 | 22°46 | 27°28 | 14°39 | 10°32 | 14° 0 | 0° 4 | 28°29 | 24° 0 | 7°13 | T 18 |
| W19 | 4 24 54 | 5°19'10 | 6°Y 0 | 2° 2 | 22°16 | 0°54 | 22°39 | 27°35 | 14°39 | 10°33 | 14° 0 | 0° 6 | 28°25 | 24° 7 | 7°12 | W19 |
| T 20 | 4 28 51 | 6°20'06 | 18°27 | 3°36 | 23°13 | 1°37 | 22°31 | 27°42 | 14°39 | 10°35 | 13°59 | 0° 7 | 28°22 | 24°13 | 7°11 | T 20 |
| F 21 | 4 32 47 | 7°21'03 | 0♏43 | 5°10 | 24° 9 | 2°21 | 22°24 | 27°49 | 14°38 | 10°36 | 13°59 | 0°R 8 | 28°19 | 24°20 | 7°10 | F 21 |
| S 22 | 4 36 44 | 8°22'01 | 12°49 | 6°44 | 25° 4 | 3° 5 | 22°16 | 27°56 | 14°38 | 10°38 | 13°59 | 0° 7 | 28°16 | 24°27 | 7° 9 | S 22 |
| S 23 | 4 40 40 | 9°23'00 | 24°49 | 8°18 | 25°59 | 3°48 | 22° 8 | 28° 3 | 14°37 | 10°39 | 13°58 | 0° 4 | 28°13 | 24°34 | 7° 8 | S 23 |
| M24 | 4 44 37 | 10°23'59 | 6♏44 | 9°53 | 26°53 | 4°32 | 22° 0 | 28°10 | 14°36 | 10°40 | 13°58 | 29♏59 | 28°10 | 24°40 | 7° 7 | M24 |
| T 25 | 4 48 34 | 11°25'00 | 18°36 | 11°27 | 27°47 | 5°16 | 21°53 | 28°17 | 14°36 | 10°42 | 13°57 | 29°52 | 28° 6 | 24°47 | 7° 5 | T 25 |
| W26 | 4 52 30 | 12°26'01 | 0♏27 | 13° 1 | 28°40 | 6° 0 | 21°45 | 28°24 | 14°35 | 10°43 | 13°57 | 29°44 | 28° 3 | 24°54 | 7° 4 | W26 |
| T 27 | 4 56 27 | 13°27'03 | 12°19 | 14°36 | 29°32 | 6°44 | 21°37 | 28°31 | 14°34 | 10°44 | 13°56 | 29°35 | 28° 0 | 25° 0 | 7° 2 | T 27 |
| F 28 | 5 0 23 | 14°28'06 | 24°13 | 16°11 | 0♏23 | 7°28 | 21°29 | 28°38 | 14°33 | 10°46 | 13°55 | 29°27 | 27°57 | 25° 7 | 7° 1 | F 28 |
| S 29 | 5 4 20 | 15°29'10 | 6♏11 | 17°45 | 1°14 | 8°12 | 21°20 | 28°45 | 14°32 | 10°47 | 13°55 | 29°19 | 27°54 | 25°14 | 6°59 | S 29 |
| S 30 | 5 8 16 | 16♏30'15 | 18♏18 | 19♏20 | 2♏ 4 | 8♏56 | 21♏12 | 28♏51 | 14♏31 | 10♏48 | 13♏54 | 29♏13 | 27♏50 | 25♏20 | 6♏57 | S 30 |

Delta T = 06m19s

Julian Calendar 1 Nov. 1455 == Greg. Calendar 10 Nov. 1455

DECEMBER 1455 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|-------|-------|--------|-------|--------|-------|--------|-------|--------|--------|-------|-------|-------|------|
| M 1 | 5 12 13 | 17♏31'20 | 0♏36 | 20♏55 | 2♏53 | 9♏40 | 21°R 4 | 28♏58 | 14°R30 | 10♏49 | 13°R54 | 29°R 9 | 27♏47 | 25♏27 | 6°R55 | M 1 |
| T 2 | 5 16 9 | 18°32'27 | 13° 8 | 22°30 | 3°41 | 10°24 | 20♏56 | 29° 5 | 14♏29 | 10°50 | 13♏53 | 29°D 7 | 27°44 | 25°34 | 6♏53 | T 2 |
| W 3 | 5 20 6 | 19°33'34 | 26° 0 | 24° 5 | 4°28 | 11° 8 | 20°48 | 29°12 | 14°28 | 10°51 | 13°52 | 29♏ 7 | 27°41 | 25°41 | 6°51 | W 3 |
| T 4 | 5 24 3 | 20°34'42 | 9♏16 | 25°41 | 5°14 | 11°52 | 20°40 | 29°19 | 14°27 | 10°52 | 13°51 | 29° 8 | 27°38 | 25°47 | 6°48 | T 4 |
| F 5 | 5 27 59 | 21°35'51 | 22°57 | 27°16 | 6° 0 | 12°37 | 20°32 | 29°25 | 14°26 | 10°53 | 13°51 | 29°R 9 | 27°35 | 25°54 | 6°46 | F 5 |
| S 6 | 5 31 56 | 22°37'00 | 7♏ 8 | 28°52 | 6°44 | 13°21 | 20°23 | 29°32 | 14°24 | 10°54 | 13°50 | 29° 9 | 27°31 | 26° 1 | 6°44 | S 6 |
| S 7 | 5 35 52 | 23°38'11 | 21°45 | 0♏28 | 7°27 | 14° 5 | 20°15 | 29°39 | 14°23 | 10°55 | 13°49 | 29° 7 | 27°28 | 26° 7 | 6°41 | S 7 |
| M 8 | 5 39 49 | 24°39'21 | 6♏45 | 2° 4 | 8°10 | 14°50 | 20° 7 | 29°46 | 14°22 | 10°56 | 13°48 | 29° 3 | 27°25 | 26°14 | 6°38 | M 8 |
| T 9 | 5 43 45 | 25°40'33 | 22° 1 | 3°41 | 8°51 | 15°34 | 19°59 | 29°52 | 14°20 | 10°57 | 13°47 | 28°56 | 27°22 | 26°21 | 6°36 | T 9 |
| W10 | 5 47 42 | 26°41'45 | 7♏22 | 5°17 | 9°31 | 16°19 | 19°51 | 29°59 | 14°19 | 10°58 | 13°47 | 28°47 | 27°19 | 26°28 | 6°33 | W10 |
| T 11 | 5 51 38 | 27°42'56 | 22°35 | 6°54 | 10° 9 | 17° 3 | 19°43 | 0♏ 5 | 14°17 | 10°59 | 13°46 | 28°37 | 27°16 | 26°34 | 6°30 | T 11 |
| F 12 | 5 55 35 | 28°44'08 | 7♏32 | 8°30 | 10°47 | 17°48 | 19°35 | 0°12 | 14°16 | 11° 0 | 13°45 | 28°28 | 27°12 | 26°41 | 6°27 | F 12 |
| S 13 | 5 59 32 | 29°45'20 | 22° 3 | 10° 7 | 11°23 | 18°33 | 19°27 | 0°18 | 14°14 | 11° 0 | 13°44 | 28°21 | 27° 9 | 26°48 | 6°24 | S 13 |
| S 14 | 6 3 28 | 0♏46'32 | 6♏ 5 | 11°44 | 11°57 | 19°17 | 19°19 | 0°25 | 14°12 | 11° 1 | 13°43 | 28°16 | 27° 6 | 26°54 | 6°21 | S 14 |
| M15 | 6 7 25 | 1°47'43 | 19°38 | 13°21 | 12°31 | 20° 2 | 19°11 | 0°31 | 14°11 | 11° 2 | 13°42 | 28°13 | 27° 3 | 27° 1 | 6°18 | M15 |
| T 16 | 6 11 21 | 2°48'54 | 2°Y42 | 14°57 | 13° 2 | 20°47 | 19° 4 | 0°38 | 14° 9 | 11° 2 | 13°41 | 28°D12 | 27° 0 | 27° 8 | 6°14 | T 16 |
| W17 | 6 15 18 | 3°50'05 | 15°23 | 16°34 | 13°32 | 21°32 | 18°56 | 0°44 | 14° 7 | 11° 3 | 13°40 | 28°13 | 26°56 | 27°14 | 6°11 | W17 |
| T 18 | 6 19 14 | 4°51'16 | 27°45 | 18°10 | 14° 1 | 22°17 | 18°48 | 0°50 | 14° 5 | 11° 4 | 13°39 | 28°R13 | 26°53 | 27°21 | 6° 8 | T 18 |
| F 19 | 6 23 11 | 5°52'26 | 9♏53 | 19°46 | 14°27 | 23° 1 | 18°41 | 0°56 | 14° 4 | 11° 4 | 13°38 | 28°12 | 26°50 | 27°28 | 6° 4 | F 19 |
| S 20 | 6 27 7 | 6°53'37 | 21°51 | 21°21 | 14°52 | 23°46 | 18°34 | 1° 3 | 14° 2 | 11° 5 | 13°37 | 28°10 | 26°47 | 27°35 | 6° 0 | S 20 |
| S 21 | 6 31 4 | 7°54'46 | 3♏43 | 22°56 | 15°15 | 24°31 | 18°26 | 1° 9 | 14° 0 | 11° 5 | 13°35 | 28° 4 | 26°44 | 27°41 | 5°57 | S 21 |
| M22 | 6 35 1 | 8°55'56 | 15°34 | 24°29 | 15°37 | 25°16 | 18°19 | 1°15 | 13°58 | 11° 6 | 13°34 | 27°56 | 26°41 | 27°48 | 5°53 | M22 |
| T 23 | 6 38 57 | 9°57'05 | 27°24 | 26° 2 | 15°56 | 26° 2 | 18°12 | 1°21 | 13°56 | 11° 6 | 13°33 | 27°44 | 26°37 | 27°55 | 5°49 | T 23 |
| W24 | 6 42 54 | 10°58'14 | 9♏17 | 27°32 | 16°13 | 26°47 | 18° 5 | 1°27 | 13°54 | 11° 6 | 13°32 | 27°31 | 26°34 | 28° 1 | 5°45 | W24 |
| T 25 | 6 46 50 | 11°59'23 | 21°13 | 29° 2 | 16°28 | 27°32 | 17°58 | 1°33 | 13°52 | 11° 7 | 13°31 | 27°17 | 26°31 | 28° 8 | 5°42 | T 25 |
| F 26 | 6 50 47 | 13° 0'31 | 3♏14 | 0♏28 | 16°41 | 28°17 | 17°51 | 1°39 | 13°50 | 11° 7 | 13°30 | 27° 3 | 26°28 | 28°15 | 5°38 | F 26 |
| S 27 | 6 54 43 | 14° 1'39 | 15°20 | 1°53 | 16°52 | 29° 2 | 17°45 | 1°45 | 13°47 | 11° 7 | 13°28 | 26°50 | 26°25 | 28°22 | 5°34 | S 27 |
| S 28 | 6 58 40 | 15° 2'47 | 27°34 | 3°14 | 17° 0 | 29°47 | 17°38 | 1°51 | 13°45 | 11° 8 | 13°27 | 26°39 | 26°22 | 28°28 | 5°29 | S 28 |
| M29 | 7 2 36 | 16° 3'54 | 9♏57 | 4°31 | 17° 6 | 0♏33 | 17°32 | 1°56 | 13°43 | 11° 8 | 13°26 | 26°31 | 26°18 | 28°35 | 5°25 | M29 |
| T 30 | 7 6 33 | 17° 5'01 | 22°32 | 5°44 | 17°10 | 1°18 | 17°26 | 2° 2 | 13°41 | 11° 8 | 13°25 | 26°27 | 26°15 | 28°42 | 5°21 | T 30 |
| W31 | 7 10 30 | 18♏ 6'08 | 5♏23 | 6♏52 | 17°R11 | 2♏ 4 | 17♏20 | 2♏ 8 | 13♏39 | 11♏ 8 | 13♏23 | 26♏25 | 26♏12 | 28♏48 | 5♏17 | W31 |

Delta T = 06m19s

Julian Calendar