



Astrodienst Ephemeris Tables for the year 1732

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 1732

geocentric

JANUARY 1732

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|---------|--------|-------|--------|-------|-------|------|---------|--------|--------|--------|--------|--------|------|
| T 1 | 6 39 32 | 9°36'10 | 19°59 | 22°38 | 23°50 | 27°1 | 9°0 | 28°1 | 8°2 | 15°R26 | 17°53 | 29°R 5 | 28°28 | 8°25 | 28°R50 | T 1 |
| W 2 | 6 43 28 | 10°57'21 | 4°35 | 23°55 | 25° 5 | 27°34 | 9° 4 | 28° 4 | 8° 5 | 15°II24 | 17°54 | 29°R 3 | 28°25 | 8°32 | 28°R49 | W 2 |
| T 3 | 6 47 25 | 11°58'32 | 19° 4 | 25°32 | 26°20 | 28° 7 | 9° 8 | 28° 8 | 8° 8 | 15°23 | 17°55 | 29° 2 | 28°22 | 8°39 | 28°49 | T 3 |
| F 4 | 6 51 22 | 12°59'42 | 3°Y22 | 27° 8 | 27°35 | 28°40 | 9°12 | 28°11 | 8°11 | 15°21 | 17°55 | 29° 1 | 28°19 | 8°45 | 28°48 | F 4 |
| S 5 | 6 55 18 | 14° 0'52 | 17°24 | 28°43 | 28°51 | 29°13 | 9°16 | 28°15 | 8°14 | 15°20 | 17°56 | 29°D 1 | 28°16 | 8°52 | 28°48 | S 5 |
| S 6 | 6 59 15 | 15° 2'01 | 18°12 | 0°18 | 0° 6 | 29°45 | 9°20 | 28°18 | 8°18 | 15°18 | 17°56 | 29° 2 | 28°12 | 8°59 | 28°48 | S 6 |
| M 7 | 7 3 11 | 16° 3'10 | 14°44 | 1°51 | 1°21 | 0°M18 | 9°23 | 28°22 | 8°21 | 15°17 | 17°57 | 29° 3 | 28° 9 | 9° 6 | 28°48 | M 7 |
| T 8 | 7 7 8 | 17° 4'18 | 28° 1 | 3°23 | 2°36 | 0°51 | 9°26 | 28°26 | 8°24 | 15°16 | 17°57 | 29° 4 | 28° 6 | 9°12 | 28°48 | T 8 |
| W 9 | 7 11 4 | 18° 5'25 | 11°II 4 | 4°53 | 3°51 | 1°23 | 9°30 | 28°30 | 8°27 | 15°14 | 17°58 | 29° 6 | 28° 3 | 9°19 | 28°D48 | W 9 |
| T 10 | 7 15 1 | 19° 6'33 | 23°54 | 6°21 | 5° 6 | 1°55 | 9°32 | 28°34 | 8°30 | 15°13 | 17°58 | 29°R 6 | 28° 0 | 9°26 | 28°48 | T 10 |
| F 11 | 7 18 57 | 20° 7'39 | 6°32 | 7°47 | 6°22 | 2°28 | 9°35 | 28°38 | 8°33 | 15°12 | 17°59 | 29° 6 | 27°56 | 9°32 | 28°48 | F 11 |
| S 12 | 7 22 54 | 21° 8'45 | 19° 0 | 9° 9 | 7°37 | 3° 0 | 9°38 | 28°43 | 8°36 | 15°10 | 17°59 | 29° 5 | 27°53 | 9°39 | 28°48 | S 12 |
| S 13 | 7 26 51 | 22° 9'51 | 1°17 | 10°28 | 8°52 | 3°32 | 9°40 | 28°47 | 8°39 | 15° 9 | 17°59 | 29° 3 | 27°50 | 9°46 | 28°48 | S 13 |
| M14 | 7 30 47 | 23°10'56 | 13°25 | 11°42 | 10° 7 | 4° 4 | 9°42 | 28°51 | 8°42 | 15° 8 | 17°59 | 28°59 | 27°47 | 9°53 | 28°48 | M14 |
| T 15 | 7 34 44 | 24°12'01 | 25°25 | 12°52 | 11°22 | 4°36 | 9°44 | 28°56 | 8°45 | 15° 6 | 18° 0 | 28°55 | 27°44 | 9°59 | 28°49 | T 15 |
| W16 | 7 38 40 | 25°13'05 | 7°120 | 13°56 | 12°37 | 5° 8 | 9°46 | 29° 0 | 8°47 | 15° 5 | 18° 0 | 28°50 | 27°41 | 10° 6 | 28°49 | W16 |
| T 17 | 7 42 37 | 26°14'08 | 19°12 | 14°53 | 13°52 | 5°39 | 9°48 | 29° 5 | 8°50 | 15° 4 | 18° 0 | 28°45 | 27°37 | 10°13 | 28°50 | T 17 |
| F 18 | 7 46 33 | 27°15'11 | 1°3 | 15°43 | 15° 7 | 6°11 | 9°49 | 29°10 | 8°53 | 15° 3 | 18° 0 | 28°41 | 27°34 | 10°19 | 28°50 | F 18 |
| S 19 | 7 50 30 | 28°16'14 | 12°59 | 16°25 | 16°22 | 6°42 | 9°50 | 29°14 | 8°56 | 15° 2 | 18° 0 | 28°39 | 27°31 | 10°26 | 28°51 | S 19 |
| S 20 | 7 54 26 | 29°17'16 | 25° 3 | 16°58 | 17°37 | 7°14 | 9°51 | 29°19 | 8°58 | 15° 1 | 18° 0 | 28°D38 | 27°28 | 10°33 | 28°52 | S 20 |
| M21 | 7 58 23 | 0°18'18 | 7°120 | 17°21 | 18°52 | 7°45 | 9°52 | 29°24 | 9° 1 | 14°59 | 18°R 0 | 28°38 | 27°25 | 10°40 | 28°52 | M21 |
| T 22 | 8 2 20 | 1°19'19 | 19°55 | 17°33 | 20° 7 | 8°16 | 9°53 | 29°29 | 9° 4 | 14°58 | 18° 0 | 28°39 | 27°21 | 10°46 | 28°53 | T 22 |
| W23 | 8 6 16 | 2°20'20 | 2°51 | 17°R34 | 21°22 | 8°47 | 9°53 | 29°34 | 9° 6 | 14°57 | 18° 0 | 28°41 | 27°18 | 10°53 | 28°54 | W23 |
| T 24 | 8 10 13 | 3°21'20 | 16°13 | 17°24 | 22°37 | 9°18 | 9°53 | 29°40 | 9° 9 | 14°56 | 18° 0 | 28°42 | 27°15 | 11° 0 | 28°55 | T 24 |
| F 25 | 8 14 9 | 4°22'20 | 0°3 | 17° 2 | 23°52 | 9°48 | 9°R54 | 29°45 | 9°11 | 14°55 | 18° 0 | 28°R43 | 27°12 | 11° 6 | 28°56 | F 25 |
| S 26 | 8 18 6 | 5°23'19 | 14°18 | 16°29 | 25° 7 | 10°19 | 9°53 | 29°50 | 9°14 | 14°54 | 18° 0 | 28°42 | 27° 9 | 11°13 | 28°57 | S 26 |
| S 27 | 8 22 2 | 6°24'17 | 28°58 | 15°46 | 26°22 | 10°49 | 9°53 | 29°56 | 9°16 | 14°53 | 18° 0 | 28°39 | 27° 6 | 11°20 | 28°58 | S 27 |
| M28 | 8 25 59 | 7°25'14 | 13°55 | 14°54 | 27°37 | 11°19 | 9°53 | 0°Y 1 | 9°18 | 14°53 | 17°59 | 28°34 | 27° 2 | 11°27 | 28°59 | M28 |
| T 29 | 8 29 55 | 8°26'09 | 29° 0 | 13°53 | 28°52 | 11°49 | 9°52 | 0° 7 | 9°21 | 14°52 | 17°59 | 28°28 | 26°59 | 11°33 | 29° 0 | T 29 |
| W30 | 8 33 52 | 9°27'04 | 14°4 | 12°47 | 0°X 6 | 12°19 | 9°51 | 0°12 | 9°23 | 14°51 | 17°59 | 28°22 | 26°56 | 11°40 | 29° 1 | W30 |
| T 31 | 8 37 49 | 10°27'57 | 28°X57 | 11°36 | 1°X21 | 12°M49 | 9°50 | 0°Y18 | 9°25 | 14°II50 | 17°58 | 28°X16 | 26°X53 | 11°M47 | 29°Y 3 | T 31 |

Delta T = 11.53 sec

Greg. Calendar

FEBRUARY 1732

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|--------|--------|-------|--------|-------|-------|--------|---------|--------|--------|--------|--------|--------|------|
| F 1 | 8 41 45 | 11°28'49 | 13°Y33 | 10°R23 | 2°X36 | 13°M19 | 9°R49 | 0°Y24 | 9°X28 | 14°R49 | 17°R58 | 28°R11 | 26°X50 | 11°M53 | 29°Y 4 | F 1 |
| S 2 | 8 45 42 | 12°29'39 | 27°46 | 9°10 | 3°51 | 13°48 | 9°47 | 0°30 | 9°30 | 14°II48 | 17°58 | 28°X 8 | 26°47 | 12° 0 | 29° 6 | S 2 |
| S 3 | 8 49 38 | 13°30'28 | 11°X35 | 7°59 | 5° 5 | 14°17 | 9°46 | 0°35 | 9°32 | 14°48 | 17°57 | 28°D 7 | 26°43 | 12° 7 | 29° 7 | S 3 |
| M 4 | 8 53 35 | 14°31'16 | 25° 1 | 6°51 | 6°20 | 14°47 | 9°44 | 0°41 | 9°34 | 14°47 | 17°57 | 28° 7 | 26°40 | 12°14 | 29° 9 | M 4 |
| T 5 | 8 57 31 | 15°32'02 | 8°II 6 | 5°49 | 7°35 | 15°15 | 9°42 | 0°47 | 9°36 | 14°46 | 17°56 | 28° 9 | 26°37 | 12°20 | 29°10 | T 5 |
| W 6 | 9 1 28 | 16°32'46 | 20°53 | 4°53 | 8°49 | 15°44 | 9°40 | 0°53 | 9°38 | 14°46 | 17°56 | 28°10 | 26°34 | 12°27 | 29°12 | W 6 |
| T 7 | 9 5 24 | 17°33'29 | 3°325 | 4° 5 | 10° 4 | 16°13 | 9°37 | 1° 0 | 9°40 | 14°45 | 17°55 | 28°R10 | 26°31 | 12°34 | 29°14 | T 7 |
| F 8 | 9 9 21 | 18°34'10 | 15°26 | 3°24 | 11°18 | 16°41 | 9°35 | 1° 6 | 9°42 | 14°45 | 17°54 | 28° 8 | 26°27 | 12°41 | 29°15 | F 8 |
| S 9 | 9 13 18 | 19°34'50 | 27°58 | 2°51 | 12°33 | 17° 9 | 9°32 | 1°12 | 9°44 | 14°44 | 17°54 | 28° 4 | 26°24 | 12°47 | 29°17 | S 9 |
| S 10 | 9 17 14 | 20°35'28 | 10°13 | 2°26 | 13°47 | 17°38 | 9°29 | 1°18 | 9°45 | 14°44 | 17°53 | 27°57 | 26°21 | 12°54 | 29°19 | S 10 |
| M11 | 9 21 11 | 21°36'05 | 22° 3 | 2° 9 | 15° 2 | 18° 5 | 9°26 | 1°25 | 9°47 | 14°43 | 17°52 | 27°48 | 26°18 | 13° 1 | 29°21 | M11 |
| T 12 | 9 25 7 | 22°36'40 | 3°M58 | 1°59 | 16°16 | 18°33 | 9°23 | 1°31 | 9°49 | 14°43 | 17°52 | 27°38 | 26°15 | 13° 7 | 29°23 | T 12 |
| W13 | 9 29 4 | 23°37'14 | 15°51 | 1°D57 | 17°31 | 19° 1 | 9°19 | 1°37 | 9°50 | 14°42 | 17°51 | 27°26 | 26°12 | 13°14 | 29°25 | W13 |
| T 14 | 9 33 0 | 24°37'46 | 27°43 | 2° 2 | 18°45 | 19°28 | 9°15 | 1°44 | 9°52 | 14°42 | 17°50 | 27°15 | 26° 8 | 13°21 | 29°27 | T 14 |
| F 15 | 9 36 57 | 25°38'17 | 9°X36 | 2°14 | 19°59 | 19°55 | 9°12 | 1°50 | 9°53 | 14°42 | 17°49 | 27° 5 | 26° 5 | 13°28 | 29°29 | F 15 |
| S 16 | 9 40 53 | 26°38'46 | 21°33 | 2°31 | 21°13 | 20°22 | 9° 8 | 1°57 | 9°55 | 14°41 | 17°48 | 26°57 | 26° 2 | 13°34 | 29°31 | S 16 |
| S 17 | 9 44 50 | 27°39'15 | 3°M36 | 2°55 | 22°28 | 20°48 | 9° 3 | 2° 4 | 9°56 | 14°41 | 17°48 | 26°52 | 25°59 | 13°41 | 29°34 | S 17 |
| M18 | 9 48 47 | 28°39'41 | 15°50 | 3°23 | 23°42 | 21°15 | 8°59 | 2°10 | 9°58 | 14°41 | 17°47 | 26°49 | 25°56 | 13°48 | 29°36 | M18 |
| T 19 | 9 52 43 | 29°40'07 | 28°20 | 3°57 | 24°56 | 21°41 | 8°55 | 2°17 | 9°59 | 14°40 | 17°46 | 26°D48 | 25°53 | 13°54 | 29°38 | T 19 |
| W20 | 9 56 40 | 0°X40'31 | 11°X 9 | 4°35 | 26°10 | 22° 7 | 8°50 | 2°24 | 10° 0 | 14°40 | 17°45 | 26°48 | 25°49 | 14° 1 | 29°41 | W20 |
| T 21 | 10 0 36 | 1°40'54 | 24°23 | 5°17 | 27°24 | 22°33 | 8°45 | 2°31 | 10° 2 | 14°40 | 17°44 | 26°R49 | 25°46 | 14° 8 | 29°43 | T 21 |
| F 22 | 10 4 33 | 2°41'16 | 8°X 3 | 6° 3 | 28°38 | 22°58 | 8°40 | 2°37 | 10° 3 | 14°40 | 17°43 | 26°48 | 25°43 | 14°15 | 29°45 | F 22 |
| S 23 | 10 8 29 | 3°41'36 | 22°15 | 6°53 | 29°52 | 23°23 | 8°35 | 2°44 | 10° 4 | 14°40 | 17°42 | 26°46 | 25°40 | 14°21 | 29°48 | S 23 |
| S 24 | 10 12 26 | 4°41'54 | 6°X54 | 7°46 | 1°Y 6 | 23°48 | 8°30 | 2°51 | 10° 5 | 14°D40 | 17°41 | 26°41 | 25°37 | 14°28 | 29°51 | S 24 |
| M25 | 10 16 22 | 5°42'11 | 21°56 | 8°42 | 2°20 | 24°13 | 8°24 | 2°58 | 10° 6 | 14°40 | 17°39 | 26°33 | 25°33 | 14°35 | 29°53 | M25 |
| T 26 | 10 20 19 | 6°42'26 | 7°X13 | 9°40 | 3°34 | 24°37 | 8°19 | 3° 5 | 10° 7 | 14°40 | 17°38 | 26°23 | 25°30 | 14°41 | 29°56 | T 26 |
| W27 | 10 24 16 | 7°42'39 | 22°33 | 10°42 | 4°48 | 25° 1 | 8°13 | 3°12 | 10° 8 | 14°40 | 17°37 | 26°12 | 25°27 | 14°48 | 29°59 | W27 |
| T 28 | 10 28 12 | 8°42'51 | 7°Y45 | 11°46 | 6° 2 | 25°25 | 8° 7 | 3°19 | 10° 9 | 14°40 | 17°36 | 26° 2 | 25°24 | 14°55 | 0°X 1 | T 28 |
| F 29 | 10 32 9 | 9°X43'00 | 22°Y39 | 12°X52 | 7°Y15 | 25°M49 | 8°X 1 | 3°Y26 | 10°X10 | 14°II40 | 17°X35 | 25°X53 | 25°X21 | 15°M 2 | 0°X 4 | F 29 |

Delta T = 11.54 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1732

geocentric

MARCH 1732

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|---------|---------|--------|--------|-------|-------|--------|---------|--------|--------|--------|--------|-------|------|
| S 1 | 10 36 5 | 10°43'07 | 7°8 8 | 14°11 1 | 8°Y29 | 26°M12 | 7°R55 | 3°Y33 | 10°A10 | 14°II41 | 17°R33 | 25°R47 | 25°A18 | 15°M 8 | 0°8 7 | S 1 |
| S 2 | 10 40 2 | 11°43'12 | 21° 8 | 15°11 | 9°43 | 26°35 | 7°A49 | 3°41 | 10°11 | 14°41 | 17°A32 | 25°A43 | 25°14 | 15°15 | 0°10 | S 2 |
| M 3 | 10 43 58 | 12°43'16 | 4°II39 | 16°24 | 10°56 | 26°58 | 7°43 | 3°48 | 10°12 | 14°41 | 17°31 | 25°42 | 25°11 | 15°22 | 0°13 | M 3 |
| T 4 | 10 47 55 | 13°43'17 | 17°44 | 17°38 | 12°10 | 27°20 | 7°36 | 3°55 | 10°12 | 14°41 | 17°30 | 25°D41 | 25° 8 | 15°29 | 0°16 | T 4 |
| W 5 | 10 51 51 | 14°43'15 | 0°E27 | 18°54 | 13°23 | 27°42 | 7°30 | 4° 2 | 10°13 | 14°42 | 17°28 | 25°R41 | 25° 5 | 15°35 | 0°19 | W 5 |
| T 6 | 10 55 48 | 15°43'12 | 12°52 | 20°12 | 14°37 | 28° 4 | 7°23 | 4° 9 | 10°14 | 14°42 | 17°27 | 25°40 | 25° 2 | 15°42 | 0°22 | T 6 |
| F 7 | 10 59 45 | 16°43'06 | 25° 4 | 21°32 | 15°50 | 28°25 | 7°16 | 4°17 | 10°14 | 14°42 | 17°26 | 25°37 | 24°59 | 15°49 | 0°25 | F 7 |
| S 8 | 11 3 41 | 17°42'58 | 7°Ω 6 | 22°53 | 17° 4 | 28°46 | 7° 9 | 4°24 | 10°14 | 14°43 | 17°24 | 25°31 | 24°55 | 15°55 | 0°28 | S 8 |
| S 9 | 11 7 38 | 18°42'48 | 19° 3 | 24°15 | 18°17 | 29° 7 | 7° 3 | 4°31 | 10°15 | 14°43 | 17°23 | 25°22 | 24°52 | 16° 2 | 0°31 | S 9 |
| M10 | 11 11 34 | 19°42'36 | 0°M56 | 25°39 | 19°30 | 29°27 | 6°55 | 4°39 | 10°15 | 14°44 | 17°21 | 25°11 | 24°49 | 16° 9 | 0°34 | M10 |
| T 11 | 11 15 31 | 20°42'22 | 12°49 | 27° 5 | 20°43 | 29°47 | 6°48 | 4°46 | 10°15 | 14°44 | 17°20 | 24°57 | 24°46 | 16°16 | 0°37 | T 11 |
| W12 | 11 19 27 | 21°42'06 | 24°41 | 28°31 | 21°56 | 0°A 6 | 6°41 | 4°54 | 10°15 | 14°45 | 17°18 | 24°42 | 24°43 | 16°22 | 0°41 | W12 |
| T 13 | 11 23 24 | 22°41'47 | 6°A36 | 29°59 | 23° 9 | 0°25 | 6°34 | 5° 1 | 10°15 | 14°45 | 17°17 | 24°28 | 24°39 | 16°29 | 0°44 | T 13 |
| F 14 | 11 27 20 | 23°41'27 | 18°33 | 1°A29 | 24°22 | 0°44 | 6°27 | 5° 8 | 10°16 | 14°46 | 17°15 | 24°15 | 24°36 | 16°36 | 0°47 | F 14 |
| S 15 | 11 31 17 | 24°41'05 | 0°M35 | 3° 0 | 25°35 | 1° 3 | 6°19 | 5°16 | 10°R16 | 14°47 | 17°14 | 24° 4 | 24°33 | 16°42 | 0°50 | S 15 |
| S 16 | 11 35 13 | 25°40'41 | 12°43 | 4°33 | 26°48 | 1°21 | 6°12 | 5°23 | 10°16 | 14°47 | 17°12 | 23°56 | 24°30 | 16°49 | 0°54 | S 16 |
| M17 | 11 39 10 | 26°40'16 | 25° 1 | 6° 6 | 28° 1 | 1°38 | 6° 4 | 5°31 | 10°15 | 14°48 | 17°11 | 23°51 | 24°27 | 16°56 | 0°57 | M17 |
| T 18 | 11 43 7 | 27°39'48 | 7°A32 | 7°41 | 29°13 | 1°55 | 5°57 | 5°38 | 10°15 | 14°49 | 17° 9 | 23°48 | 24°24 | 17° 3 | 1° 1 | T 18 |
| W19 | 11 47 3 | 28°39'19 | 20°19 | 9°17 | 0°A26 | 2°12 | 5°49 | 5°46 | 10°15 | 14°49 | 17° 8 | 23°48 | 24°20 | 17° 9 | 1° 4 | W19 |
| T 20 | 11 51 0 | 29°38'48 | 3°E27 | 10°55 | 1°39 | 2°28 | 5°41 | 5°53 | 10°15 | 14°50 | 17° 6 | 23°48 | 24°17 | 17°16 | 1° 8 | T 20 |
| F 21 | 11 54 56 | 0°Y38'16 | 16°59 | 12°34 | 2°51 | 2°44 | 5°34 | 6° 1 | 10°15 | 14°51 | 17° 5 | 23°47 | 24°14 | 17°23 | 1°11 | F 21 |
| S 22 | 11 58 53 | 1°37'41 | 0°A59 | 14°14 | 4° 4 | 2°59 | 5°26 | 6° 8 | 10°14 | 14°52 | 17° 3 | 23°45 | 24°11 | 17°30 | 1°15 | S 22 |
| S 23 | 12 2 49 | 2°37'05 | 15°25 | 15°56 | 5°16 | 3°14 | 5°18 | 6°16 | 10°14 | 14°53 | 17° 1 | 23°40 | 24° 8 | 17°36 | 1°18 | S 23 |
| M24 | 12 6 46 | 3°36'27 | 0°A16 | 17°38 | 6°28 | 3°28 | 5°11 | 6°23 | 10°13 | 14°54 | 17° 0 | 23°32 | 24° 4 | 17°43 | 1°22 | M24 |
| T 25 | 12 10 42 | 4°35'47 | 15°24 | 19°23 | 7°41 | 3°42 | 5° 3 | 6°31 | 10°13 | 14°55 | 16°58 | 23°22 | 24° 1 | 17°50 | 1°25 | T 25 |
| W26 | 12 14 39 | 5°35'05 | 0°Y42 | 21° 8 | 8°53 | 3°55 | 4°55 | 6°38 | 10°12 | 14°56 | 16°56 | 23°11 | 23°58 | 17°56 | 1°29 | W26 |
| T 27 | 12 18 36 | 6°34'21 | 15°56 | 22°55 | 10° 5 | 4° 8 | 4°47 | 6°46 | 10°12 | 14°57 | 16°55 | 23° 0 | 23°55 | 18° 3 | 1°33 | T 27 |
| F 28 | 12 22 32 | 7°33'35 | 0°B56 | 24°44 | 11°17 | 4°20 | 4°40 | 6°53 | 10°11 | 14°58 | 16°53 | 22°51 | 23°52 | 18°10 | 1°36 | F 28 |
| S 29 | 12 26 29 | 8°32'47 | 15°34 | 26°33 | 12°29 | 4°32 | 4°32 | 7° 1 | 10°10 | 14°59 | 16°51 | 22°44 | 23°49 | 18°17 | 1°40 | S 29 |
| S 30 | 12 30 25 | 9°31'56 | 29°44 | 28°24 | 13°41 | 4°43 | 4°24 | 7° 8 | 10°10 | 15° 0 | 16°50 | 22°40 | 23°45 | 18°23 | 1°44 | S 30 |
| M31 | 12 34 22 | 10°Y31'03 | 13°II24 | 0°Y17 | 14°B53 | 4°A53 | 4°A16 | 7°Y16 | 10°A 9 | 15°II 1 | 16°A48 | 22°A38 | 23°A42 | 18°M30 | 1°A47 | M31 |

Delta T = 11.56 sec

Greg. Calendar

APRIL 1732

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------|----------|--------|---------|-------|-------|--------|--------|---------|--------|--------|--------|--------|-------|------|
| T 1 | 12 38 18 | 11°Y30'09 | 26°II36 | 2°Y11 | 16°B 4 | 5°A 3 | 4°R 9 | 7°Y23 | 10°R 8 | 15°II 2 | 16°R46 | 22°D38 | 23°A39 | 18°M37 | 1°B55 | T 1 |
| W 2 | 12 42 15 | 12°29'11 | 9°E22 | 4° 6 | 17°16 | 5°13 | 4°A 1 | 7°31 | 10°A 7 | 15° 4 | 16°A45 | 22°R38 | 23°36 | 18°43 | 1°55 | W 2 |
| T 3 | 12 46 11 | 13°28'12 | 21°49 | 6° 3 | 18°28 | 5°21 | 3°54 | 7°38 | 10° 6 | 15° 5 | 16°43 | 22°A38 | 23°33 | 18°50 | 1°59 | T 3 |
| F 4 | 12 50 8 | 14°27'10 | 4°Ω 0 | 8° 1 | 19°39 | 5°29 | 3°46 | 7°46 | 10° 5 | 15° 6 | 16°41 | 22°36 | 23°30 | 18°57 | 2° 3 | F 4 |
| S 5 | 12 54 5 | 15°26'05 | 16° 0 | 10° 0 | 20°51 | 5°37 | 3°39 | 7°53 | 10° 4 | 15° 8 | 16°40 | 22°32 | 23°26 | 19° 4 | 2° 6 | S 5 |
| S 6 | 12 58 1 | 16°24'59 | 27°53 | 12° 1 | 22° 2 | 5°44 | 3°31 | 8° 1 | 10° 3 | 15° 9 | 16°38 | 22°25 | 23°23 | 19°10 | 2°10 | S 6 |
| M 7 | 13 1 58 | 17°23'50 | 9°M45 | 14° 3 | 23°13 | 5°50 | 3°24 | 8° 8 | 10° 2 | 15°10 | 16°36 | 22°16 | 23°20 | 19°17 | 2°14 | M 7 |
| T 8 | 13 5 54 | 18°22'39 | 21°36 | 16° 6 | 24°24 | 5°56 | 3°17 | 8°16 | 10° 1 | 15°12 | 16°35 | 22° 5 | 23°17 | 19°24 | 2°18 | T 8 |
| W 9 | 13 9 51 | 19°21'25 | 3°A31 | 18°10 | 25°35 | 6° 1 | 3° 9 | 8°23 | 9°59 | 15°13 | 16°33 | 21°53 | 23°14 | 19°31 | 2°22 | W 9 |
| T 10 | 13 13 47 | 20°20'10 | 15°30 | 20°15 | 26°46 | 6° 5 | 3° 2 | 8°31 | 9°58 | 15°14 | 16°31 | 21°41 | 23°10 | 19°37 | 2°26 | T 10 |
| F 11 | 13 17 44 | 21°18'53 | 27°35 | 22°21 | 27°57 | 6° 8 | 2°55 | 8°38 | 9°57 | 15°16 | 16°30 | 21°30 | 23° 7 | 19°44 | 2°30 | F 11 |
| S 12 | 13 21 40 | 22°17'34 | 9°M47 | 24°28 | 29° 8 | 6°11 | 2°48 | 8°46 | 9°55 | 15°17 | 16°28 | 21°21 | 23° 4 | 19°51 | 2°34 | S 12 |
| S 13 | 13 25 37 | 23°16'13 | 22° 6 | 26°35 | 0°II19 | 6°13 | 2°41 | 8°53 | 9°54 | 15°19 | 16°26 | 21°15 | 23° 1 | 19°57 | 2°37 | S 13 |
| M14 | 13 29 34 | 24°14'50 | 4°A36 | 28°42 | 1°29 | 6°15 | 2°34 | 9° 0 | 9°53 | 15°20 | 16°25 | 21°11 | 22°58 | 20° 4 | 2°41 | M14 |
| T 15 | 13 33 30 | 25°13'26 | 17°17 | 0°B49 | 2°40 | 6°R15 | 2°28 | 9° 8 | 9°51 | 15°22 | 16°23 | 21°D10 | 22°55 | 20°11 | 2°45 | T 15 |
| W16 | 13 37 27 | 26°11'59 | 0°E12 | 2°56 | 3°50 | 6°15 | 2°21 | 9°15 | 9°50 | 15°23 | 16°21 | 21°10 | 22°51 | 20°18 | 2°49 | W16 |
| T 17 | 13 41 23 | 27°10'31 | 13°23 | 5° 2 | 5° 0 | 6°15 | 2°15 | 9°22 | 9°48 | 15°25 | 16°20 | 21°11 | 22°48 | 20°24 | 2°53 | T 17 |
| F 18 | 13 45 20 | 28° 9'02 | 28° 9'02 | 26°54 | 7° 7 | 6°11 | 6°13 | 2° 8 | 9°30 | 15°27 | 16°18 | 21°R12 | 22°45 | 20°31 | 2°57 | F 18 |
| S 19 | 13 49 16 | 29° 7'31 | 10°A45 | 9°11 | 7°21 | 6°11 | 2° 2 | 9°37 | 9°45 | 15°28 | 16°16 | 21°11 | 22°42 | 20°38 | 3° 1 | S 19 |
| S 20 | 13 53 13 | 0°B 5'58 | 24°59 | 11°13 | 8°31 | 6° 8 | 1°56 | 9°44 | 9°43 | 15°30 | 16°15 | 21° 9 | 22°39 | 20°44 | 3° 5 | S 20 |
| M21 | 13 57 9 | 1° 4'24 | 9°A32 | 13°14 | 9°41 | 6° 4 | 1°50 | 9°51 | 9°41 | 15°32 | 16°13 | 21° 4 | 22°36 | 20°51 | 3° 9 | M21 |
| T 22 | 14 1 6 | 2° 2'48 | 24°21 | 15°12 | 10°50 | 5°59 | 1°44 | 9°59 | 9°40 | 15°33 | 16°11 | 20°58 | 22°32 | 20°58 | 3°13 | T 22 |
| W23 | 14 5 3 | 3° 1'10 | 9°Y19 | 17° 8 | 12° 0 | 5°54 | 1°38 | 10° 6 | 9°38 | 15°35 | 16°10 | 20°51 | 22°29 | 21° 5 | 3°17 | W23 |
| T 24 | 14 8 59 | 3°59'30 | 24°17 | 19° 1 | 13° 9 | 5°48 | 1°33 | 10°13 | 9°36 | 15°37 | 16° 8 | 20°43 | 22°26 | 21°11 | 3°21 | T 24 |
| F 25 | 14 12 56 | 4°57'49 | 9°B 6 | 20°51 | 14°19 | 5°41 | 1°27 | 10°20 | 9°34 | 15°39 | 16° 7 | 20°37 | 22°23 | 21°18 | 3°25 | F 25 |
| S 26 | 14 16 52 | 5°56'07 | 23°38 | 22°38 | 15°28 | 5°33 | 1°22 | 10°27 | 9°32 | 15°41 | 16° 5 | 20°32 | 22°20 | 21°25 | 3°29 | S 26 |
| S 27 | 14 20 49 | 6°54'22 | 7°II48 | 24°21 | 16°37 | 5°25 | 1°17 | 10°34 | 9°30 | 15°42 | 16° 3 | 20°30 | 22°16 | 21°32 | 3°33 | S 27 |
| M28 | 14 24 45 | 7°52'35 | 21°31 | 26° 1 | 17°47 | 5°16 | 1°11 | 10°41 | 9°28 | 15°44 | 16° 2 | 20°D29 | 22°13 | 21°38 | 3°37 | M28 |
| T 29 | 14 28 42 | 8°50'47 | 4°E47 | 27°37 | 18°55 | 5° 6 | 1° 7 | 10°48 | 9°26 | 15°46 | 16° 0 | 20°30 | 22°10 | 21°45 | 3°41 | T 29 |
| W30 | 14 32 38 | 9°B48'56 | 17°E39 | 29°B 9 | 20°II 4 | 4°A55 | 1°A 2 | 10°Y55 | 9°A24 | 15°II48 | 15°A59 | 20°A31 | 22°A 7 | 21°M52 | 3°B45 | W30 |

Delta T = 11.57 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1732

geocentric

MAY 1732

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|--------|-------|-------|--------|--------|-------|-------|--------|--------|-------|-------|------|------|
| T 1 | 14 36 35 | 10♂47'04 | 0♂10 | 0♂38 | 21♂13 | 4°R44 | 0°R57 | 11°Y 2 | 9°R22 | 15♂50 | 15°R57 | 20♂33 | 22♂ 4 | 21♂58 | 3♂49 | T 1 |
| F 2 | 14 40 32 | 11°45'09 | 12°24 | 2° 2 | 22°22 | 4♂32 | 0♂53 | 11° 9 | 9♂20 | 15°52 | 15♂56 | 20°R33 | 22° 1 | 22° 5 | 3°53 | F 2 |
| S 3 | 14 44 28 | 12°43'13 | 24°26 | 3°23 | 23°30 | 4°19 | 0°48 | 11°16 | 9°18 | 15°54 | 15°54 | 20°32 | 21°57 | 22°12 | 3°57 | S 3 |
| S 4 | 14 48 25 | 13°41'14 | 6♂11 | 4°39 | 24°38 | 4° 6 | 0°44 | 11°22 | 9°16 | 15°56 | 15°53 | 20°30 | 21°54 | 22°19 | 4° 1 | S 4 |
| M 5 | 14 52 21 | 14°39'14 | 18°13 | 5°51 | 25°46 | 3°51 | 0°40 | 11°29 | 9°14 | 15°58 | 15°52 | 20°26 | 21°51 | 22°25 | 4° 4 | M 5 |
| T 6 | 14 56 18 | 15°37'12 | 0♂ 6 | 6°59 | 26°54 | 3°37 | 0°37 | 11°36 | 9°12 | 16° 0 | 15°50 | 20°21 | 21°48 | 22°32 | 4° 8 | T 6 |
| W 7 | 15 0 14 | 16°35'08 | 12° 4 | 8° 2 | 28° 2 | 3°21 | 0°33 | 11°42 | 9°10 | 16° 2 | 15°49 | 20°15 | 21°45 | 22°39 | 4°12 | W 7 |
| T 8 | 15 4 11 | 17°33'02 | 24° 8 | 9° 1 | 29°10 | 3° 5 | 0°30 | 11°49 | 9° 7 | 16° 4 | 15°47 | 20° 9 | 21°41 | 22°46 | 4°16 | T 8 |
| F 9 | 15 8 7 | 18°30'55 | 6♂22 | 9°55 | 0♂17 | 2°49 | 0°26 | 11°56 | 9° 5 | 16° 6 | 15°46 | 20° 4 | 21°38 | 22°52 | 4°20 | F 9 |
| S 10 | 15 12 4 | 19°28'46 | 18°46 | 10°45 | 1°25 | 2°32 | 0°23 | 12° 2 | 9° 3 | 16° 8 | 15°45 | 20° 0 | 21°35 | 22°59 | 4°24 | S 10 |
| S 11 | 15 16 0 | 20°26'36 | 1♂22 | 11°31 | 2°32 | 2°14 | 0°20 | 12° 9 | 9° 0 | 16°10 | 15°43 | 19°57 | 21°32 | 23° 6 | 4°28 | S 11 |
| M12 | 15 19 57 | 21°24'24 | 14° 9 | 12°11 | 3°39 | 1°56 | 0°17 | 12°15 | 8°58 | 16°12 | 15°42 | 19°D56 | 21°29 | 23°12 | 4°32 | M12 |
| T 13 | 15 23 54 | 22°22'11 | 27° 9 | 12°47 | 4°46 | 1°38 | 0°15 | 12°21 | 8°56 | 16°14 | 15°41 | 19°56 | 21°26 | 23°19 | 4°35 | T 13 |
| W14 | 15 27 50 | 23°19'57 | 10♂22 | 13°18 | 5°52 | 1°19 | 0°12 | 12°28 | 8°54 | 16°16 | 15°40 | 19°57 | 21°22 | 23°26 | 4°39 | W14 |
| T 15 | 15 31 47 | 24°17'42 | 23°48 | 13°45 | 6°59 | 0°59 | 0°10 | 12°34 | 8°51 | 16°18 | 15°38 | 19°58 | 21°19 | 23°33 | 4°43 | T 15 |
| F 16 | 15 35 43 | 25°15'25 | 7♂28 | 14° 6 | 8° 5 | 0°40 | 0° 8 | 12°40 | 8°49 | 16°20 | 15°37 | 20° 0 | 21°16 | 23°39 | 4°47 | F 16 |
| S 17 | 15 39 40 | 26°13'07 | 21°22 | 14°23 | 9°11 | 0°20 | 0° 6 | 12°46 | 8°46 | 16°22 | 15°36 | 20°R 0 | 21°13 | 23°46 | 4°51 | S 17 |
| S 18 | 15 43 36 | 27°10'49 | 5♂30 | 14°35 | 10°17 | 29♂59 | 0° 4 | 12°53 | 8°44 | 16°24 | 15°35 | 20° 0 | 21°10 | 23°53 | 4°54 | S 18 |
| M19 | 15 47 33 | 28° 8'29 | 19°49 | 14°42 | 11°23 | 29°39 | 0° 3 | 12°59 | 8°42 | 16°26 | 15°34 | 19°59 | 21° 7 | 23°59 | 4°58 | M19 |
| T 20 | 15 51 29 | 29° 6'08 | 4♂17 | 14°R44 | 12°28 | 29°18 | 0° 2 | 13° 5 | 8°39 | 16°29 | 15°33 | 19°57 | 21° 3 | 24° 6 | 5° 2 | T 20 |
| W21 | 15 55 26 | 0♂ 3'46 | 18°50 | 14°42 | 13°34 | 28°57 | 0° 0 | 13°11 | 8°37 | 16°31 | 15°31 | 19°55 | 21° 0 | 24°13 | 5° 6 | W21 |
| T 22 | 15 59 23 | 1° 1'24 | 3♂22 | 14°35 | 14°39 | 28°36 | 29♂59 | 13°17 | 8°34 | 16°33 | 15°30 | 19°52 | 20°57 | 24°20 | 5° 9 | T 22 |
| F 23 | 16 3 19 | 1°59'00 | 17°47 | 14°24 | 15°44 | 28°15 | 29°59 | 13°22 | 8°32 | 16°35 | 15°29 | 19°50 | 20°54 | 24°26 | 5°13 | F 23 |
| S 24 | 16 7 16 | 2°56'35 | 2♂ 0 | 14° 9 | 16°48 | 27°54 | 29°58 | 13°28 | 8°29 | 16°37 | 15°28 | 19°48 | 20°51 | 24°33 | 5°17 | S 24 |
| S 25 | 16 11 12 | 3°54'09 | 15°55 | 13°50 | 17°53 | 27°33 | 29°57 | 13°34 | 8°27 | 16°39 | 15°27 | 19°D48 | 20°47 | 24°40 | 5°20 | S 25 |
| M26 | 16 15 9 | 4°51'42 | 29°30 | 13°27 | 18°57 | 27°13 | 29°57 | 13°40 | 8°24 | 16°42 | 15°26 | 19°48 | 20°44 | 24°47 | 5°24 | M26 |
| T 27 | 16 19 5 | 5°49'14 | 12♂43 | 13° 2 | 20° 1 | 26°52 | 29°D57 | 13°45 | 8°22 | 16°44 | 15°25 | 19°49 | 20°41 | 24°53 | 5°27 | T 27 |
| W28 | 16 23 2 | 6°46'44 | 25°35 | 12°33 | 21° 5 | 26°32 | 29°57 | 13°51 | 8°19 | 16°46 | 15°25 | 19°50 | 20°38 | 25° 0 | 5°31 | W28 |
| T 29 | 16 26 59 | 7°44'14 | 8♂ 8 | 12° 3 | 22° 8 | 26°11 | 29°57 | 13°56 | 8°17 | 16°48 | 15°24 | 19°51 | 20°35 | 25° 7 | 5°34 | T 29 |
| F 30 | 16 30 55 | 8°41'42 | 20°25 | 11°31 | 23°12 | 25°51 | 29°58 | 14° 2 | 8°15 | 16°51 | 15°23 | 19°52 | 20°32 | 25°13 | 5°38 | F 30 |
| S 31 | 16 34 52 | 9♂39'08 | 2♂29 | 10♂58 | 24♂14 | 25♂32 | 29♂59 | 14°Y 7 | 8♂12 | 16♂53 | 15♂22 | 19♂52 | 20♂28 | 25♂20 | 5♂41 | S 31 |

Delta T = 11.59 sec

Greg. Calendar

JUNE 1732

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|--------|-------|--------|-------|--------|-------|-------|--------|--------|-------|-------|------|------|
| S 1 | 16 38 48 | 10♂36'34 | 14♂25 | 10°R25 | 25♂17 | 25°R13 | 29♂59 | 14°Y12 | 8°R10 | 16♂55 | 15°R21 | 19°R52 | 20♂25 | 25♂27 | 5♂45 | S 1 |
| M 2 | 16 42 45 | 11°33'58 | 26°19 | 9♂51 | 26°20 | 24♂54 | 0♂ 0 | 14°17 | 8♂ 7 | 16°57 | 15♂21 | 19♂52 | 20°22 | 25°34 | 5°48 | M 2 |
| T 3 | 16 46 41 | 12°31'21 | 8♂13 | 9°18 | 27°22 | 24°35 | 0° 2 | 14°23 | 8° 5 | 16°59 | 15°20 | 19°51 | 20°19 | 25°40 | 5°52 | T 3 |
| W 4 | 16 50 38 | 13°28'43 | 20°14 | 8°47 | 28°23 | 24°18 | 0° 3 | 14°28 | 8° 2 | 17° 2 | 15°19 | 19°51 | 20°16 | 25°47 | 5°55 | W 4 |
| T 5 | 16 54 34 | 14°26'04 | 2♂23 | 8°17 | 29°25 | 24° 0 | 0° 4 | 14°33 | 8° 0 | 17° 4 | 15°18 | 19°50 | 20°13 | 25°54 | 5°58 | T 5 |
| F 6 | 16 58 31 | 15°23'24 | 14°44 | 7°49 | 0♂26 | 23°44 | 0° 6 | 14°38 | 7°57 | 17° 6 | 15°18 | 19°49 | 20° 9 | 26° 1 | 6° 2 | F 6 |
| S 7 | 17 2 28 | 16°20'43 | 27°20 | 7°24 | 1°27 | 23°27 | 0° 8 | 14°42 | 7°55 | 17° 8 | 15°17 | 19°49 | 20° 6 | 26° 7 | 6° 5 | S 7 |
| S 8 | 17 6 24 | 17°18'01 | 10♂12 | 7° 2 | 2°27 | 23°12 | 0°10 | 14°47 | 7°52 | 17°11 | 15°17 | 19°49 | 20° 3 | 26°14 | 6° 8 | S 8 |
| M 9 | 17 10 21 | 18°15'19 | 23°20 | 6°44 | 3°28 | 22°57 | 0°12 | 14°52 | 7°50 | 17°13 | 15°16 | 19°D49 | 20° 0 | 26°21 | 6°11 | M 9 |
| T 10 | 17 14 17 | 19°12'36 | 6♂43 | 6°30 | 4°27 | 22°43 | 0°15 | 14°57 | 7°48 | 17°15 | 15°16 | 19°49 | 19°57 | 26°27 | 6°14 | T 10 |
| W11 | 17 18 14 | 20° 9'53 | 20°21 | 6°19 | 5°27 | 22°29 | 0°17 | 15° 1 | 7°45 | 17°17 | 15°15 | 19°R49 | 19°53 | 26°34 | 6°18 | W11 |
| T 12 | 17 22 10 | 21° 7'09 | 4♂11 | 6°13 | 6°26 | 22°16 | 0°20 | 15° 6 | 7°43 | 17°20 | 15°15 | 19°49 | 19°50 | 26°41 | 6°21 | T 12 |
| F 13 | 17 26 7 | 22° 4'24 | 18°11 | 6°D11 | 7°24 | 22° 4 | 0°23 | 15°10 | 7°40 | 17°22 | 15°14 | 19°48 | 19°47 | 26°48 | 6°24 | F 13 |
| S 14 | 17 30 3 | 23° 1'39 | 2♂18 | 6°14 | 8°23 | 21°53 | 0°26 | 15°14 | 7°38 | 17°24 | 15°14 | 19°48 | 19°44 | 26°54 | 6°27 | S 14 |
| S 15 | 17 34 0 | 23°58'54 | 16°31 | 6°21 | 9°20 | 21°42 | 0°29 | 15°19 | 7°36 | 17°26 | 15°13 | 19°48 | 19°41 | 27° 1 | 6°30 | S 15 |
| M16 | 17 37 57 | 24°56'09 | 0♂45 | 6°33 | 10°18 | 21°32 | 0°33 | 15°23 | 7°33 | 17°29 | 15°13 | 19°D48 | 19°38 | 27° 8 | 6°33 | M16 |
| T 17 | 17 41 53 | 25°53'24 | 15° 0 | 6°49 | 11°15 | 21°23 | 0°36 | 15°27 | 7°31 | 17°31 | 15°13 | 19°48 | 19°34 | 27°14 | 6°36 | T 17 |
| W18 | 17 45 50 | 26°50'38 | 29°11 | 7°11 | 12°11 | 21°15 | 0°40 | 15°31 | 7°29 | 17°33 | 15°13 | 19°49 | 19°31 | 27°21 | 6°38 | W18 |
| T 19 | 17 49 46 | 27°47'53 | 13♂16 | 7°37 | 13° 7 | 21° 7 | 0°44 | 15°35 | 7°26 | 17°35 | 15°12 | 19°49 | 19°28 | 27°28 | 6°41 | T 19 |
| F 20 | 17 53 43 | 28°45'07 | 27°13 | 8° 7 | 14° 2 | 21° 1 | 0°48 | 15°39 | 7°24 | 17°37 | 15°12 | 19°50 | 19°25 | 27°35 | 6°44 | F 20 |
| S 21 | 17 57 39 | 29°42'21 | 11♂ 0 | 8°42 | 14°57 | 20°55 | 0°52 | 15°42 | 7°22 | 17°40 | 15°12 | 19°51 | 19°22 | 27°41 | 6°47 | S 21 |
| S 22 | 18 1 36 | 0♂39'35 | 24°32 | 9°22 | 15°52 | 20°50 | 0°57 | 15°46 | 7°20 | 17°42 | 15°12 | 19°R51 | 19°19 | 27°48 | 6°50 | S 22 |
| M23 | 18 5 32 | 1°36'49 | 7♂50 | 10° 6 | 16°46 | 20°46 | 1° 1 | 15°50 | 7°18 | 17°44 | 15°12 | 19°50 | 19°15 | 27°55 | 6°52 | M23 |
| T 24 | 18 9 29 | 2°34'03 | 20°51 | 10°54 | 17°39 | 20°43 | 1° 6 | 15°53 | 7°15 | 17°46 | 15°12 | 19°49 | 19°12 | 28° 2 | 6°55 | T 24 |
| W25 | 18 13 26 | 3°31'16 | 3♂36 | 11°47 | 18°32 | 20°40 | 1°11 | 15°56 | 7°13 | 17°48 | 15°D12 | 19°47 | 19° 9 | 28° 8 | 6°57 | W25 |
| T 26 | 18 17 22 | 4°28'29 | 16° 5 | 12°43 | 19°24 | 20°39 | 1°16 | 16° 0 | 7°11 | 17°51 | 15°12 | 19°45 | 19° 6 | 28°15 | 7° 0 | T 26 |
| F 27 | 18 21 19 | 5°25'41 | 28°20 | 13°44 | 20°16 | 20°D38 | 1°21 | 16° 3 | 7° 9 | 17°53 | 15°12 | 19°43 | 19° 3 | 28°22 | 7° 2 | F 27 |
| S 28 | 18 25 15 | 6°22'53 | 10♂25 | 14°50 | 21° 7 | 20°38 | 1°26 | 16° 6 | 7° 7 | 17°55 | 15°12 | 19°41 | 18°59 | 28°28 | 7° 5 | S 28 |
| S 29 | 18 29 12 | 7°20'05 | 22°21 | 15°59 | 21°57 | 20°39 | 1°32 | 16° 9 | 7° 5 | 17°57 | 15°12 | 19°40 | 18°56 | 28°35 | 7° 7 | S 29 |
| M30 | 18 33 8 | 8♂17'16 | 4♂15 | 17♂12 | 22♂46 | 20♂41 | 1♂37 | 16°Y12 | 7♂ 3 | 17♂59 | 15♂12 | 19°D39 | 18♂53 | 28♂42 | 7♂10 | M30 |

Delta T = 11.60 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1732

geocentric

JULY 1732

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|------|
| T 1 | 18 37 5 | 9 ⁵⁵ 14'28 | 16 ⁴² 9 | 18 ²² 29 | 23 ⁰² 35 | 20 ¹⁴ 44 | 1 ⁴³ 43 | 16 ⁰⁹ 15 | 7 ⁰⁰ R 1 | 18 ¹¹ 1 | 15 ¹² 12 | 19 ³⁷ 39 | 18 ⁴⁷ 50 | 28 ⁵⁵ 49 | 7 ¹² 12 | T 1 |
| W 2 | 18 41 1 | 10 ¹¹ 1'39 | 28 ⁰ 9 | 19 ⁵⁰ 24 | 24 ²³ 23 | 20 ⁴⁷ 20 | 1 ⁴⁹ 1 | 16 ¹⁸ 16 | 6 ⁵⁹ 59 | 18 ⁰ 3 | 15 ¹³ 13 | 19 ⁴⁰ 19 | 18 ⁴⁷ 47 | 28 ⁵⁵ 55 | 7 ¹⁴ 14 | W 2 |
| T 3 | 18 44 58 | 11 ⁰ 8'50 | 10 ¹¹ 20 | 21 ¹⁵ 21 | 25 ¹⁰ 25 | 20 ⁵¹ 20 | 1 ⁵⁵ 1 | 16 ²⁰ 16 | 6 ⁵⁷ 57 | 18 ⁰ 5 | 15 ¹³ 13 | 19 ⁴² 19 | 18 ⁴⁴ 44 | 29 ⁰ 2 | 7 ¹⁶ 16 | T 3 |
| F 4 | 18 48 55 | 12 ⁰ 6'01 | 22 ⁴⁵ 22 | 22 ⁴⁴ 22 | 25 ⁵⁷ 25 | 20 ⁵⁶ 20 | 2 ⁰ 1 | 16 ²³ 16 | 6 ⁵⁵ 55 | 18 ⁰ 8 | 15 ¹³ 13 | 19 ⁴³ 19 | 18 ⁴⁰ 40 | 29 ⁰ 9 | 7 ¹⁹ 19 | F 4 |
| S 5 | 18 52 51 | 13 ⁰ 3'11 | 5 ²⁸ 28 | 24 ¹⁷ 24 | 26 ⁴² 26 | 21 ⁰ 2 | 2 ⁰ 7 | 16 ²⁵ 16 | 6 ⁵³ 53 | 18 ⁰ 10 | 15 ¹⁴ 15 | 19 ⁴⁴ 19 | 18 ³⁷ 37 | 29 ⁰ 15 | 7 ²¹ 21 | S 5 |
| S 6 | 18 56 48 | 14 ⁰ 0'22 | 18 ³¹ 18 | 25 ⁵³ 25 | 27 ²⁷ 27 | 21 ⁰ 9 | 2 ¹⁴ 2 | 16 ²⁸ 16 | 6 ⁵² 52 | 18 ⁰ 12 | 15 ¹⁴ 15 | 19 ⁴⁵ 19 | 18 ³⁴ 34 | 29 ⁰ 22 | 7 ²³ 23 | S 6 |
| M 7 | 19 0 44 | 14 ⁵⁷ 33 | 1 ³⁵ 56 | 27 ³³ 27 | 28 ¹¹ 28 | 21 ¹⁶ 21 | 2 ²⁰ 2 | 16 ³⁰ 16 | 6 ⁵⁰ 50 | 18 ⁰ 14 | 15 ¹⁴ 15 | 19 ⁴⁵ 19 | 18 ³¹ 31 | 29 ⁰ 29 | 7 ²⁵ 25 | M 7 |
| T 8 | 19 4 41 | 15 ⁵⁴ 44 | 15 ⁴² 15 | 29 ¹⁶ 29 | 28 ⁵⁴ 28 | 21 ²⁴ 21 | 2 ²⁷ 2 | 16 ³² 16 | 6 ⁴⁸ 48 | 18 ⁰ 16 | 15 ¹⁵ 15 | 19 ⁴³ 19 | 18 ²⁸ 28 | 29 ⁰ 36 | 7 ²⁷ 27 | T 8 |
| W 9 | 19 8 37 | 16 ⁵¹ 55 | 29 ⁴⁶ 29 | 1 ³⁵ 2 | 29 ³⁶ 29 | 21 ³³ 21 | 2 ³⁴ 2 | 16 ³⁴ 16 | 6 ⁴⁶ 46 | 18 ⁰ 18 | 15 ¹⁵ 15 | 19 ⁴⁰ 19 | 18 ²⁵ 25 | 29 ⁰ 42 | 7 ²⁹ 29 | W 9 |
| T 10 | 19 12 34 | 17 ⁴⁹ 07 | 14 ³⁸ 4 | 2 ⁵² 0 | 0 ¹⁶ 16 | 21 ⁴³ 21 | 2 ⁴¹ 2 | 16 ³⁶ 16 | 6 ⁴⁵ 45 | 18 ⁰ 20 | 15 ¹⁶ 15 | 19 ³⁶ 19 | 18 ²¹ 21 | 29 ⁰ 49 | 7 ³¹ 31 | T 10 |
| F 11 | 19 16 30 | 18 ⁴⁶ 19 | 28 ³¹ 28 | 4 ⁴⁵ 4 | 0 ⁵⁶ 0 | 21 ⁵³ 21 | 2 ⁴⁸ 2 | 16 ³⁸ 16 | 6 ⁴³ 43 | 18 ⁰ 22 | 15 ¹⁶ 15 | 19 ³² 19 | 18 ¹⁸ 18 | 29 ⁰ 56 | 7 ³³ 33 | F 11 |
| S 12 | 19 20 27 | 19 ⁴³ 31 | 13 ³⁸ 1 | 6 ⁴⁰ 6 | 1 ³⁵ 1 | 22 ⁰ 4 | 2 ⁵⁵ 2 | 16 ⁴⁰ 16 | 6 ⁴¹ 41 | 18 ⁰ 24 | 15 ¹⁷ 15 | 19 ²⁸ 19 | 18 ¹⁵ 15 | 0 ⁰ 3 | 7 ³⁴ 34 | S 12 |
| S 13 | 19 24 24 | 20 ⁴⁰ 44 | 27 ²⁸ 27 | 8 ³⁸ 8 | 2 ¹² 2 | 22 ¹⁵ 22 | 3 ⁰ 3 | 16 ⁴² 16 | 6 ⁴⁰ 40 | 18 ⁰ 26 | 15 ¹⁷ 15 | 19 ²⁶ 19 | 18 ¹² 12 | 0 ⁰ 9 | 7 ³⁶ 36 | S 13 |
| M14 | 19 28 20 | 21 ³⁷ 58 | 11 ⁴⁸ 11 | 10 ³⁸ 10 | 2 ⁴⁹ 2 | 22 ²⁸ 22 | 3 ¹⁰ 3 | 16 ⁴³ 16 | 6 ³⁸ 38 | 18 ⁰ 28 | 15 ¹⁸ 15 | 19 ²⁴ 19 | 18 ⁰ 9 | 0 ⁰ 16 | 7 ³⁸ 38 | M14 |
| T 15 | 19 32 17 | 22 ³⁵ 13 | 25 ⁰⁹ 25 | 12 ⁴⁰ 12 | 3 ²⁴ 3 | 22 ⁴¹ 22 | 3 ¹⁸ 3 | 16 ⁴⁵ 16 | 6 ³⁷ 37 | 18 ⁰ 30 | 15 ¹⁹ 15 | 19 ²⁴ 19 | 18 ⁰ 5 | 0 ⁰ 23 | 7 ³⁹ 39 | T 15 |
| W16 | 19 36 13 | 23 ³² 28 | 9 ⁵⁷ 9 | 14 ⁴⁴ 14 | 3 ⁵⁷ 3 | 22 ⁵⁵ 22 | 3 ²⁵ 3 | 16 ⁴⁶ 16 | 6 ³⁶ 36 | 18 ⁰ 32 | 15 ¹⁹ 15 | 19 ²⁴ 19 | 18 ⁰ 2 | 0 ⁰ 29 | 7 ⁴¹ 41 | W16 |
| T 17 | 19 40 10 | 24 ²⁹ 44 | 23 ⁴⁴ 23 | 16 ⁴⁹ 16 | 4 ³⁰ 4 | 23 ⁰ 9 | 3 ³³ 3 | 16 ⁴⁷ 16 | 6 ³⁴ 34 | 18 ⁰ 33 | 15 ²⁰ 15 | 19 ²⁶ 19 | 17 ⁵⁹ 17 | 0 ⁰ 36 | 7 ⁴² 42 | T 17 |
| F 18 | 19 44 6 | 25 ²⁷ 01 | 7 ¹¹ 7 | 18 ⁵⁵ 18 | 5 ⁰ 1 | 23 ²⁴ 23 | 3 ⁴¹ 3 | 16 ⁴⁹ 16 | 6 ³³ 33 | 18 ⁰ 35 | 15 ²¹ 15 | 19 ²⁷ 19 | 17 ⁵⁶ 17 | 0 ⁰ 43 | 7 ⁴⁴ 44 | F 18 |
| S 19 | 19 48 3 | 26 ²⁴ 19 | 20 ³⁸ 20 | 21 ⁰ 2 | 5 ³¹ 5 | 23 ⁴⁰ 23 | 3 ⁴⁹ 3 | 16 ⁵⁰ 16 | 6 ³¹ 31 | 18 ⁰ 37 | 15 ²² 15 | 19 ²⁸ 19 | 17 ⁵³ 17 | 0 ⁰ 50 | 7 ⁴⁵ 45 | S 19 |
| S 20 | 19 52 0 | 27 ²¹ 38 | 3 ⁴⁷ 3 | 23 ⁰ 9 | 5 ⁵⁹ 5 | 23 ⁵⁶ 23 | 3 ⁵⁸ 3 | 16 ⁵¹ 16 | 6 ³⁰ 30 | 18 ⁰ 39 | 15 ²² 15 | 19 ²⁷ 19 | 17 ⁵⁰ 17 | 0 ⁰ 56 | 7 ⁴⁷ 47 | S 20 |
| M21 | 19 55 56 | 28 ¹⁸ 57 | 16 ⁴³ 16 | 25 ¹⁷ 25 | 6 ²⁶ 6 | 24 ¹³ 24 | 4 ⁰ 6 | 16 ⁵² 16 | 6 ²⁹ 29 | 18 ⁰ 41 | 15 ²³ 15 | 19 ²⁴ 19 | 17 ⁴⁶ 17 | 1 ⁰ 3 | 7 ⁴⁸ 48 | M21 |
| T 22 | 19 59 53 | 29 ¹⁶ 18 | 29 ²⁸ 29 | 27 ²⁴ 27 | 6 ⁵¹ 6 | 24 ³⁰ 24 | 4 ¹⁴ 4 | 16 ⁵² 16 | 6 ²⁸ 28 | 18 ⁰ 43 | 15 ²⁴ 15 | 19 ¹⁹ 19 | 17 ⁴³ 17 | 1 ⁰ 10 | 7 ⁴⁹ 49 | T 22 |
| W23 | 20 3 49 | 0 ¹³ 38 | 12 ⁰ 12 | 29 ³¹ 29 | 7 ¹⁴ 7 | 24 ⁴⁸ 24 | 4 ²³ 4 | 16 ⁵³ 16 | 6 ²⁷ 27 | 18 ⁰ 44 | 15 ²⁵ 15 | 19 ¹³ 19 | 17 ⁴⁰ 17 | 1 ⁰ 16 | 7 ⁵⁰ 50 | W23 |
| T 24 | 20 7 46 | 1 ¹¹ 00 | 24 ²⁰ 24 | 1 ⁰ 37 | 7 ³⁶ 7 | 25 ⁰ 7 | 4 ³² 4 | 16 ⁵⁴ 16 | 6 ²⁶ 26 | 18 ⁰ 46 | 15 ²⁶ 15 | 19 ⁰ 6 | 17 ³⁷ 17 | 1 ⁰ 23 | 7 ⁵² 52 | T 24 |
| F 25 | 20 11 42 | 2 ⁰ 8'22 | 6 ¹⁰ 30 | 3 ⁴² 3 | 7 ⁵⁶ 7 | 25 ²⁶ 25 | 4 ⁴⁰ 4 | 16 ⁵⁴ 16 | 6 ²⁵ 25 | 18 ⁰ 48 | 15 ²⁷ 15 | 18 ⁵⁸ 18 | 17 ³⁴ 17 | 1 ⁰ 30 | 7 ⁵³ 53 | F 25 |
| S 26 | 20 15 39 | 3 ⁰ 5'44 | 18 ³¹ 18 | 5 ⁴⁷ 5 | 8 ¹⁴ 8 | 25 ⁴⁶ 25 | 4 ⁴⁹ 4 | 16 ⁵⁴ 16 | 6 ²⁴ 24 | 18 ⁰ 50 | 15 ²⁸ 15 | 18 ⁵¹ 18 | 17 ³¹ 17 | 1 ⁰ 37 | 7 ⁵⁴ 54 | S 26 |
| S 27 | 20 19 35 | 4 ⁰ 3'08 | 0 ²⁶ 26 | 7 ⁵⁰ 7 | 8 ³¹ 8 | 26 ⁰ 6 | 4 ⁵⁸ 4 | 16 ⁵⁵ 16 | 6 ²³ 23 | 18 ⁰ 51 | 15 ²⁹ 15 | 18 ⁴⁵ 18 | 17 ²⁷ 17 | 1 ⁰ 43 | 7 ⁵⁵ 55 | S 27 |
| M28 | 20 23 32 | 5 ⁰ 0'32 | 12 ¹⁷ 12 | 9 ⁵² 9 | 8 ⁴⁵ 8 | 26 ²⁷ 26 | 5 ⁰ 7 | 16 ⁵⁵ 16 | 6 ²² 22 | 18 ⁰ 53 | 15 ³⁰ 15 | 18 ⁴⁰ 18 | 17 ²⁴ 17 | 1 ⁰ 50 | 7 ⁵⁶ 56 | M28 |
| T 29 | 20 27 28 | 5 ⁵⁷ 56 | 24 ¹⁰ 24 | 11 ⁵² 11 | 8 ⁵⁷ 8 | 26 ⁴⁹ 26 | 5 ¹⁶ 5 | 16 ⁵⁵ 16 | 6 ²¹ 21 | 18 ⁰ 55 | 15 ³¹ 15 | 18 ³⁷ 18 | 17 ²¹ 17 | 1 ⁰ 57 | 7 ⁵⁷ 57 | T 29 |
| W30 | 20 31 25 | 6 ⁵⁵ 22 | 6 ¹¹ 8 | 13 ⁵² 13 | 9 ⁰ 8 | 27 ¹⁰ 27 | 5 ²⁶ 5 | 16 ⁵⁵ 16 | 6 ²⁰ 20 | 18 ⁰ 56 | 15 ³² 15 | 18 ³⁶ 18 | 17 ¹⁸ 17 | 2 ⁰ 4 | 7 ⁵⁸ 58 | W30 |
| T 31 | 20 35 22 | 7 ⁵² 48 | 18 ¹¹ 18 | 15 ⁰ 49 | 9 ¹⁶ 9 | 27 ¹¹ 27 | 5 ³⁵ 5 | 16 ⁵⁵ 16 | 6 ¹⁹ 19 | 18 ⁰ 58 | 15 ³³ 15 | 18 ³⁷ 18 | 17 ¹⁵ 17 | 2 ⁰ 10 | 7 ⁵⁸ 58 | T 31 |

Delta T = 11.62 sec

Greg. Calendar

AUGUST 1732

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|-------------------|--------------------|------|
| F 1 | 20 39 18 | 8 ⁵⁰ 14 | 0 ² 40 | 17 ⁰ 46 | 9 ¹⁰ 22 | 27 ¹¹ 56 | 5 ⁴⁵ 5 | 16 ⁵⁴ 16 | 6 ¹⁸ 18 | 19 ¹¹ 0 | 15 ³⁵ 15 | 18 ³⁸ 18 | 17 ¹¹ 17 | 2 ¹⁷ 2 | 7 ⁵⁹ 59 | F 1 |
| S 2 | 20 43 15 | 9 ⁴⁷ 42 | 13 ²⁴ 13 | 19 ⁴⁰ 19 | 9 ²⁵ 9 | 28 ¹⁹ 28 | 5 ⁵⁴ 5 | 16 ⁵⁴ 16 | 6 ¹⁸ 18 | 19 ⁰ 1 | 15 ³⁶ 15 | 18 ³⁹ 18 | 17 ⁰ 8 | 2 ²⁴ 2 | 7 ⁵⁹ 59 | S 2 |
| S 3 | 20 47 11 | 10 ⁴⁵ 10 | 26 ³² 26 | 21 ³⁴ 21 | 9 ²⁷ 9 | 28 ⁴³ 28 | 6 ⁰ 4 | 16 ⁵⁴ 16 | 6 ¹⁷ 17 | 19 ⁰ 3 | 15 ³⁷ 15 | 18 ³⁹ 18 | 17 ⁰ 5 | 2 ³⁰ 2 | 8 ⁰ 0 | S 3 |
| M 4 | 20 51 8 | 11 ⁴² 39 | 10 ³⁵ 6 | 23 ²⁵ 23 | 9 ²⁶ 9 | 29 ⁰ 7 | 6 ¹⁴ 6 | 16 ⁵³ 16 | 6 ¹⁷ 17 | 19 ⁰ 4 | 15 ³⁸ 15 | 18 ³⁷ 18 | 17 ⁰ 2 | 2 ³⁷ 8 | 8 ⁰ 0 | M 4 |
| T 5 | 20 55 4 | 12 ⁴⁰ 09 | 24 ⁰ 6 | 25 ¹⁵ 25 | 9 ²³ 9 | 29 ³² 29 | 6 ²⁴ 6 | 16 ⁵² 16 | 6 ¹⁶ 16 | 19 ⁰ 6 | 15 ⁴⁰ 15 | 18 ³³ 18 | 16 ⁵⁹ 16 | 2 ⁴⁴ 8 | 8 ⁰ 1 | T 5 |
| W 6 | 20 59 1 | 13 ³⁷ 40 | 8 ³⁰ 8 | 27 ⁰ 4 | 9 ¹⁷ 9 | 29 ⁵⁸ 29 | 6 ³⁴ 6 | 16 ⁵² 16 | 6 ¹⁶ 16 | 19 ⁰ 7 | 15 ⁴¹ 15 | 18 ²⁶ 18 | 16 ⁵⁶ 16 | 2 ⁵¹ 8 | 8 ⁰ 1 | W 6 |
| T 7 | 21 2 58 | 14 ³⁵ 12 | 23 ¹² 23 | 28 ⁵¹ 28 | 9 ⁰ 9 | 0 ²³ 0 | 6 ⁴⁴ 6 | 16 ⁵¹ 16 | 6 ¹⁵ 15 | 19 ⁰ 9 | 15 ⁴² 15 | 18 ¹⁹ 18 | 16 ⁵² 16 | 2 ⁵⁷ 8 | 8 ⁰ 1 | T 7 |
| F 8 | 21 6 54 | 15 ³² 46 | 8 ³⁸ 8 | 0 ³⁶ 0 | 8 ⁵⁸ 8 | 0 ⁴⁹ 0 | 6 ⁵⁴ 6 | 16 ⁵⁰ 16 | 6 ¹⁵ 15 | 19 ¹⁰ 19 | 15 ⁴⁴ 15 | 18 ¹⁰ 18 | 16 ⁴⁹ 16 | 3 ⁰ 4 | 8 ⁰ 2 | F 8 |
| S 9 | 21 10 51 | 16 ³⁰ 20 | 23 ⁰ 1 | 2 ²⁰ 2 | 8 ⁴⁶ 8 | 1 ¹⁶ 1 | 7 ⁰ 4 | 16 ⁴⁹ 16 | 6 ¹⁵ 15 | 19 ¹¹ 19 | 15 ⁴⁵ 15 | 18 ⁰ 2 | 16 ⁴⁶ 16 | 3 ¹¹ 8 | 8 ⁰ 2 | S 9 |
| S 10 | 21 14 47 | 17 ²⁷ 56 | 7 ⁴⁹ 7 | 4 ⁰ 3 | 8 ³⁰ 8 | 1 ⁴³ 1 | 7 ¹⁴ 7 | 16 ⁴⁷ 16 | 6 ¹⁴ 14 | 19 ¹³ 19 | 15 ⁴⁷ 15 | 17 ⁵⁵ 17 | 16 ⁴³ 16 | 3 ¹⁷ 8 | 8 ⁰ 2 | S 10 |
| M11 | 21 18 44 | 18 ²⁵ 34 | 22 ²⁴ 22 | 5 ⁴⁴ 5 | 8 ¹³ 8 | 2 ¹⁰ 2 | 7 ²⁵ 7 | 16 ⁴⁶ 16 | 6 ¹⁴ 14 | 19 ¹⁴ 19 | 15 ⁴⁸ 15 | 17 ⁵⁰ 17 | 16 ⁴⁰ 16 | 3 ²⁴ 8 | 8 ⁰ 2 | M11 |
| T 12 | 21 22 40 | 19 ²³ 13 | 6 ³⁴ 6 | 7 ²⁴ 7 | 7 ⁵³ 7 | 2 ³⁸ 2 | 7 ³⁵ 7 | 16 ⁴⁵ 16 | 6 ¹⁴ 14 | 19 ¹⁶ 19 | 15 ⁵⁰ 15 | 17 ⁴⁸ 17 | 16 ³⁷ 16 | 3 ³¹ 8 | 8 ⁰ 2 | T 12 |
| W13 | 21 26 37 | 20 ²⁰ 53 | 20 ³⁸ 20 | 9 ⁰ 2 | 7 ³¹ 7 | 3 ⁰ 6 | 7 ⁴⁶ 7 | 16 ⁴³ 16 | 6 ¹⁴ 14 | 19 ¹⁷ 19 | 15 ⁵¹ 15 | 17 ⁴⁷ 17 | 16 ³³ 16 | 3 ³⁸ 8 | 8 ⁰ 2 | W13 |
| T 14 | 21 30 33 | 21 ¹⁸ 36 | 4 ¹¹ 4 | 10 ³⁸ 10 | 7 ⁰ 7 | 3 ³⁴ 3 | 7 ⁵⁶ 7 | 16 ⁴² 16 | 6 ¹⁴ 14 | 19 ¹⁸ 19 | 15 ⁵³ 15 | 17 ⁴⁷ 17 | 16 ³⁰ 16 | 3 ⁴⁴ 8 | 8 ⁰ 2 | T 14 |
| F 15 | 21 34 30 | 22 ¹⁶ 20 | 17 ³⁵ 17 | 12 ¹³ 12 | 6 ⁴¹ 6 | 4 ⁰ 3 | 8 ⁰ 7 | 16 ⁴⁰ 16 | 6 ¹⁴ 14 | 19 ¹⁹ 19 | 15 ⁵⁴ 15 | 17 ⁴⁸ 17 | 16 ²⁷ 16 | 3 ⁵¹ 8 | 8 ⁰ 2 | F 15 |
| S 16 | 21 38 27 | 23 ¹⁴ 06 | 0 ³⁸ 0 | 13 ⁴⁷ 13 | 6 ¹³ 6 | 4 ³² 4 | 8 ¹⁸ 8 | 16 ³⁸ 16 | 6 ¹⁴ 14 | 19 ²¹ 19 | 15 ⁵⁶ 15 | 17 ⁴⁷ 17 | 16 ²⁴ 16 | 3 ⁵⁸ 8 | 8 ⁰ 2 | S 16 |
| S 17 | 21 42 23 | 24 ¹¹ 53 | 13 ²⁷ 13 | 15 ¹⁹ 15 | 5 ⁴³ 5 | 5 ⁰ 2 | 8 ²⁹ 8 | 16 ³⁶ 16 | 6 ¹⁴ 14 | 19 ²² 19 | 15 ⁵⁸ 15 | 17 ⁴⁴ 17 | 16 ²¹ 16 | 4 ⁰ 4 | 8 ⁰ 2 | S 17 |
| M18 | 21 46 20 | 25 ⁰ 9'42 | 26 ⁰ 5 | 16 ⁵⁰ 16 | 5 ¹² 5 | 5 ³² 5 | 8 ⁴⁰ 8 | 16 ³⁴ 16 | 6 ¹⁴ 14 | 19 ²³ 19 | 15 ⁵⁹ 15 | 17 ³⁹ 17 | 16 ¹⁷ 16 | 4 ¹¹ 8 | 8 ⁰ 1 | M18 |
| T 19 | 21 50 16 | 26 ⁰ 7'32 | 8 ³² 8 | 18 ²⁰ 18 | 4 ³⁹ 4 | 6 ⁰ 2 | 8 ⁵¹ 8 | 16 ³² 16 | 6 ¹⁴ 14 | 19 ²⁴ 19 | 16 ⁰ 1 | 17 ³¹ 17 | 16 ¹⁴ 16 | 4 ¹⁸ 8 | 8 ⁰ 1 | T 19 |
| W20 | 21 54 13 | 27 ⁰ 5'24 | 20 ⁵⁰ 20 | 19 ⁴⁸ 19 | 4 ⁵ 4 | 6 ³³ 6 | 9 ² 9 | 16 ³⁰ 16 | 6 ¹⁴ 14 | 19 ²⁵ 19 | 16 ⁰ 3 | 17 ²⁰ 17 | 16 ¹¹ 16 | 4 ²⁵ 8 | 8 ⁰ 0 | W20 |
| T 21 | 21 58 9 | 28 ⁰ 3'18 | 3 ¹⁰ 3 | 21 ¹⁴ 21 | 3 ³⁰ 3 | 7 ⁰ 4 | 9 ¹³ 9 | 16 ²⁸ 16 | 6 ¹⁵ 15 | 19 ²⁶ 19 | 16 ⁰ 4 | 17 ⁰ 8 | 16 ⁰ 8 | 4 ³¹ 8 | 8 ⁰ 0 | T 21 |
| F 22 | 22 2 6 | 29 ⁰ 1'13 | 15 ³ 15 | 22 ³⁹ 22 | 2 ⁵⁴ 2 | 7 ³⁵ 7 | 9 ²⁴ 9 | 16 ²⁶ 16 | 6 ¹⁵ 15 | 19 ²⁷ 19 | 16 ⁰ 6 | 16 ⁵⁵ 16 | 16 ⁰ 5 | 4 ³⁸ 8 | 7 ⁵⁹ 7 | F 22 |
| S 23 | 22 6 2 | 29 ⁰ 59'09 | 26 ⁵⁹ 26 | 24 ⁰ 2 | 2 ¹⁸ 2 | 8 ⁰ 6 | 9 ³⁶ 9 | 16 ²³ 16 | 6 ¹⁵ 15 | 19 ²⁸ 19 | 16 ⁰ 8 | 16 ⁴² 16 | 16 ⁰ 2 | 4 ⁴⁵ 8 | 7 ⁵⁹ 7 | S 23 |
| S 24 | 22 9 59 | 0 ¹⁰ 57'07 | 8 ⁵¹ 8 | 25 ²⁴ 25 | 1 ⁴¹ 1 | 8 ³⁸ 8 | 9 ⁴⁷ 9 | 16 ²¹ 16 | 6 ¹⁶ 16 | 19 ²⁹ 19 | 16 ¹⁰ 16 | 16 ³¹ 16 | 15 ⁵⁸ 15 | 4 ⁵¹ 8 | 7 ⁵⁸ 7 | S 24 |
| M25 | 22 13 55 | 1 ⁵⁵ 06 | 20 ⁴¹ 20 | 26 ⁴⁵ 26 | 1 ³ 1 | 9 ¹¹ 9 | 9 ⁵⁸ 9 | 16 ¹⁸ 16 | 6 ¹⁶ 16 | 19 ³⁰ 19 | 16 ¹² 16 | 16 ²² 16 | 15 ⁵⁵ 15 | 4 ⁵⁸ 8 | 7 ⁵⁷ 7 | M25 |
| T 26 | 22 17 52 | 2 ⁵³ 07 | 2 ¹¹ 32 | 28 ⁰ 3 | 0 ²⁶ 0 | 9 ⁴³ 9 | 10 ¹⁰ 10 | 16 ¹⁵ 16 | 6 ¹⁷ 17 | 19 ³¹ 19 | 16 ¹⁴ 16 | 16 ¹⁶ 16 | 15 ⁵² 15 | 5 ⁰ 5 | 7 ⁵⁷ 7 | T 26 |
| W27 | 22 21 49 | 3 ⁵¹ 09 | 14 ²⁸ 14 | 29 ²⁰ 29 | 2 ¹⁰ 2 | 10 ¹⁶ 10 | 10 ²¹ 10 | 16 ¹³ 16 | 6 ¹⁷ 17 | 19 ³² 19 | 16 ¹⁵ 16 | 16 ¹² 16 | 15 ⁴⁹ 15 | 5 ¹² 7 | 7 ⁵⁶ 7 | W27 |
| T 28 | 22 25 45 | 4 ⁴⁹ 12 | 26 ³³ 26 | 0 ³⁶ 0 | 2 ¹³ 2 | 10 ⁴⁹ 10 | 10 ³³ 10 | 16 ¹⁰ 16 | 6 ¹⁸ 18 | 19 ³³ 19 | 16 ¹⁷ 16 | 16 ¹¹ 16 | 15 ⁴⁶ 15 | 5 ¹⁸ 7 | 7 ⁵⁵ 7 | T 28 |
| F 29 | 22 29 42 | 5 ⁴⁷ 17 | 8 ⁴⁷ 8 | 1 ⁴⁹ 1 | 2 ³⁸ 2 | 11 ²² 11 | 10 ⁴⁵ 10 | 16 ⁷ 16 | 6 ¹⁹ 19 | 19 ³⁴ 19 | 16 ¹⁹ 16 | 16 ¹¹ 16 | 15 ⁴² 15 | 5 ²⁵ 7 | 7 ⁵⁴ 7 | F 29 |
| S 30 | 22 33 38 | 6 ⁴⁵ 24 | 21 ³³ 21 | 3 ⁰ 1 | 2 ⁸ 2 | 11 ⁵⁶ 11 | 10 ⁵⁶ 10 | 16 ⁰ 4 | 6 ²⁰ 20 | 19 ³⁴ 19 | 16 ²¹ 16 | 16 ¹¹ 16 | 15 ³⁹ 15 | 5 ³² 7 | 7 ⁵³ 7 | S 30 |
| S 31 | 22 37 35 | 7 ¹⁰ 43'32 | 4 ³⁸ 4 | 4 ¹⁰ 4 | 2 ⁷ 2 | 12 ³⁰ 12 | 11 ³⁰ 11 | 16 ¹ 16 | 6 ²⁰ 20 | 19 ³⁵ 19 | 16 ²³ 16 | 16 ¹⁰ 16 | 15 ³⁷ 15 | 5 ³⁸ 7 | 7 ⁵² 7 | S 31 |

ASTRODIENST EPHEMERIS for the year 1732

geocentric

SEPTEMBER 1732

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|--------|--------|-------|-------|--------|------|--------|-------|--------|-------|------|-------|------|
| M 1 | 22 41 31 | 8♍41'41 | 18♌11 | 5♊18 | 26°R58 | 13♉4 | 11♏20 | 15°R57 | 6♈21 | 19♊36 | 16♏25 | 16°R 7 | 15♌33 | 5♊45 | 7°R51 | M 1 |
| T 2 | 22 45 28 | 9°39'52 | 2♈13 | 6°23 | 26♏28 | 13°39 | 11°32 | 15°Y54 | 6°22 | 19°37 | 16°27 | 16♌1 | 15°30 | 5°52 | 7♏49 | T 2 |
| W 3 | 22 49 24 | 10°38'04 | 16°45 | 7°27 | 26°0 | 14°13 | 11°44 | 15°51 | 6°23 | 19°37 | 16°29 | 15°53 | 15°27 | 5°59 | 7°48 | W 3 |
| T 4 | 22 53 21 | 11°36'18 | 1♈39 | 8°27 | 25°33 | 14°48 | 11°56 | 15°47 | 6°24 | 19°38 | 16°31 | 15°43 | 15°23 | 6°5 | 7°47 | T 4 |
| F 5 | 22 57 18 | 12°34'34 | 16°49 | 9°25 | 25°9 | 15°24 | 12°8 | 15°44 | 6°25 | 19°38 | 16°33 | 15°32 | 15°20 | 6°12 | 7°46 | F 5 |
| S 6 | 23 1 14 | 13°32'51 | 2♍4 | 10°21 | 24°46 | 15°59 | 12°20 | 15°40 | 6°26 | 19°39 | 16°35 | 15°21 | 15°17 | 6°19 | 7°44 | S 6 |
| S 7 | 23 5 11 | 14°31'11 | 17°13 | 11°14 | 24°26 | 16°35 | 12°32 | 15°37 | 6°27 | 19°39 | 16°37 | 15°12 | 15°14 | 6°25 | 7°43 | S 7 |
| M 8 | 23 9 7 | 15°29'32 | 2♌6 | 12°3 | 24°8 | 17°11 | 12°44 | 15°33 | 6°29 | 19°40 | 16°39 | 15°5 | 15°11 | 6°32 | 7°41 | M 8 |
| T 9 | 23 13 4 | 16°27'56 | 16°37 | 12°49 | 23°53 | 17°47 | 12°57 | 15°29 | 6°30 | 19°40 | 16°42 | 15°1 | 15°8 | 6°39 | 7°40 | T 9 |
| W10 | 23 17 0 | 17°26'22 | 0♏42 | 13°32 | 23°40 | 18°23 | 13°9 | 15°25 | 6°31 | 19°41 | 16°44 | 14°59 | 15°4 | 6°46 | 7°38 | W10 |
| T 11 | 23 20 57 | 18°24'50 | 14°21 | 14°11 | 23°29 | 19°0 | 13°21 | 15°21 | 6°33 | 19°41 | 16°46 | 14°59 | 15°1 | 6°52 | 7°36 | T 11 |
| F 12 | 23 24 53 | 19°23'20 | 27°37 | 14°45 | 23°21 | 19°36 | 13°34 | 15°17 | 6°34 | 19°42 | 16°48 | 14°59 | 14°58 | 6°59 | 7°35 | F 12 |
| S 13 | 23 28 50 | 20°21'52 | 10♌32 | 15°16 | 23°15 | 20°13 | 13°46 | 15°13 | 6°35 | 19°42 | 16°50 | 14°58 | 14°55 | 7°6 | 7°33 | S 13 |
| S 14 | 23 32 47 | 21°20'27 | 23°11 | 15°41 | 23°12 | 20°51 | 13°59 | 15°9 | 6°37 | 19°42 | 16°52 | 14°55 | 14°52 | 7°12 | 7°31 | S 14 |
| M15 | 23 36 43 | 22°19'04 | 5♏36 | 16°2 | 23°D11 | 21°28 | 14°11 | 15°5 | 6°38 | 19°43 | 16°55 | 14°49 | 14°48 | 7°19 | 7°29 | M15 |
| T 16 | 23 40 40 | 23°17'43 | 17°50 | 16°17 | 23°12 | 22°6 | 14°24 | 15°1 | 6°40 | 19°43 | 16°57 | 14°40 | 14°45 | 7°26 | 7°27 | T 16 |
| W17 | 23 44 36 | 24°16'24 | 29°57 | 16°26 | 23°16 | 22°43 | 14°36 | 14°57 | 6°42 | 19°43 | 16°59 | 14°29 | 14°42 | 7°33 | 7°25 | W17 |
| T 18 | 23 48 33 | 25°15'07 | 11♍57 | 16°R28 | 23°22 | 23°21 | 14°49 | 14°52 | 6°43 | 19°43 | 17°1 | 14°15 | 14°39 | 7°39 | 7°23 | T 18 |
| F 19 | 23 52 29 | 26°13'52 | 23°53 | 16°25 | 23°30 | 24°0 | 15°1 | 14°48 | 6°45 | 19°43 | 17°4 | 14°1 | 14°36 | 7°46 | 7°21 | F 19 |
| S 20 | 23 56 26 | 27°12'39 | 5♊46 | 16°14 | 23°40 | 24°38 | 15°14 | 14°44 | 6°47 | 19°43 | 17°6 | 13°48 | 14°33 | 7°53 | 7°19 | S 20 |
| S 21 | 0 0 22 | 28°11'28 | 17°36 | 15°56 | 23°53 | 25°17 | 15°27 | 14°39 | 6°49 | 19°43 | 17°8 | 13°35 | 14°29 | 7°59 | 7°17 | S 21 |
| M22 | 0 4 19 | 29°10'19 | 29°27 | 15°31 | 24°7 | 25°55 | 15°39 | 14°35 | 6°51 | 19°R43 | 17°10 | 13°25 | 14°26 | 8°6 | 7°15 | M22 |
| T 23 | 0 8 15 | 0♊9'11 | 11♌19 | 14°59 | 24°24 | 26°34 | 15°52 | 14°30 | 6°53 | 19°43 | 17°13 | 13°18 | 14°23 | 8°13 | 7°13 | T 23 |
| W24 | 0 12 12 | 1°8'06 | 23°16 | 14°19 | 24°43 | 27°13 | 16°5 | 14°26 | 6°55 | 19°43 | 17°15 | 13°14 | 14°20 | 8°20 | 7°10 | W24 |
| T 25 | 0 16 9 | 2°7'03 | 5♌22 | 13°32 | 25°3 | 27°53 | 16°18 | 14°21 | 6°57 | 19°43 | 17°17 | 13°12 | 14°17 | 8°26 | 7°8 | T 25 |
| F 26 | 0 20 5 | 3°6'01 | 17°41 | 12°38 | 25°25 | 28°32 | 16°31 | 14°17 | 6°59 | 19°43 | 17°20 | 13°D12 | 14°14 | 8°33 | 7°6 | F 26 |
| S 27 | 0 24 2 | 4°5'01 | 0♌18 | 11°39 | 25°49 | 29°12 | 16°43 | 14°12 | 7°1 | 19°43 | 17°22 | 13°R13 | 14°10 | 8°40 | 7°3 | S 27 |
| S 28 | 0 27 58 | 5°4'03 | 13°17 | 10°35 | 26°15 | 29°51 | 16°56 | 14°7 | 7°3 | 19°43 | 17°24 | 13°12 | 14°7 | 8°46 | 7°1 | S 28 |
| M29 | 0 31 55 | 6°3'07 | 26°43 | 9°28 | 26°42 | 0♌31 | 17°9 | 14°3 | 7°5 | 19°43 | 17°27 | 13°11 | 14°4 | 8°53 | 6°58 | M29 |
| T 30 | 0 35 51 | 7♊2'13 | 10♌38 | 8♊19 | 27♏11 | 1♌11 | 17♏22 | 13°Y58 | 7♌7 | 19♊43 | 17♏29 | 13♌7 | 14♌1 | 9♊0 | 6♏56 | T 30 |

Delta T = 11.65 sec

Greg. Calendar

OCTOBER 1732

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|-------|-------|-------|-------|-------|--------|------|--------|-------|--------|-------|-------|-------|------|
| W 1 | 0 39 48 | 8♊1'20 | 25♌2 | 7°R 9 | 27♏42 | 1♌52 | 17♏35 | 13°R53 | 7♌10 | 19°R42 | 17♏32 | 13°R 0 | 13♌58 | 9♊7 | 6°R53 | W 1 |
| T 2 | 0 43 44 | 9°0'29 | 9♈53 | 6♊ | 28°14 | 2°32 | 17°48 | 13°Y48 | 7°12 | 19♊42 | 17°34 | 12♌52 | 13°54 | 9°13 | 6♏51 | T 2 |
| F 3 | 0 47 41 | 9°59'40 | 25°3 | 4°58 | 28°47 | 3°12 | 18°1 | 13°44 | 7°14 | 19°42 | 17°36 | 12°42 | 13°51 | 9°20 | 6°48 | F 3 |
| S 4 | 0 51 38 | 10°58'52 | 10♍23 | 3°59 | 29°22 | 3°53 | 18°14 | 13°39 | 7°17 | 19°41 | 17°39 | 12°33 | 13°48 | 9°27 | 6°45 | S 4 |
| S 5 | 0 55 34 | 11°58'07 | 25°41 | 3°8 | 29°58 | 4°34 | 18°27 | 13°34 | 7°19 | 19°41 | 17°41 | 12°25 | 13°45 | 9°33 | 6°43 | S 5 |
| M 6 | 0 59 31 | 12°57'24 | 10♌47 | 2°25 | 0♍35 | 5°15 | 18°40 | 13°29 | 7°21 | 19°40 | 17°43 | 12°19 | 13°42 | 9°40 | 6°40 | M 6 |
| T 7 | 1 3 27 | 13°56'44 | 25°31 | 1°52 | 1°14 | 5°56 | 18°53 | 13°25 | 7°24 | 19°40 | 17°46 | 12°16 | 13°39 | 9°47 | 6°37 | T 7 |
| W 8 | 1 7 24 | 14°56'06 | 9♊48 | 1°30 | 1°54 | 6°37 | 19°6 | 13°20 | 7°27 | 19°39 | 17°48 | 12°D14 | 13°35 | 9°53 | 6°35 | W 8 |
| T 9 | 1 11 20 | 15°55'30 | 23°37 | 1°18 | 2°35 | 7°18 | 19°19 | 13°15 | 7°29 | 19°39 | 17°51 | 12°15 | 13°32 | 10°0 | 6°32 | T 9 |
| F 10 | 1 15 17 | 16°54'56 | 6♏58 | 1°D17 | 3°17 | 8°0 | 19°32 | 13°11 | 7°32 | 19°38 | 17°53 | 12°16 | 13°29 | 10°7 | 6°29 | F 10 |
| S 11 | 1 19 13 | 17°54'25 | 19°56 | 1°27 | 4°1 | 8°41 | 19°45 | 13°6 | 7°34 | 19°38 | 17°55 | 12°R16 | 13°26 | 10°14 | 6°26 | S 11 |
| S 12 | 1 23 10 | 18°53'56 | 2♏23 | 1°48 | 4°45 | 9°23 | 19°58 | 13°1 | 7°37 | 19°37 | 17°58 | 12°15 | 13°23 | 10°20 | 6°23 | S 12 |
| M13 | 1 27 7 | 19°53'29 | 14°53 | 2°18 | 5°30 | 10°4 | 20°11 | 12°56 | 7°40 | 19°36 | 18°0 | 12°12 | 13°19 | 10°27 | 6°21 | M13 |
| T 14 | 1 31 3 | 20°53'04 | 27°1 | 2°58 | 6°16 | 10°46 | 20°24 | 12°52 | 7°43 | 19°36 | 18°3 | 12°6 | 13°16 | 10°34 | 6°18 | T 14 |
| W15 | 1 35 0 | 21°52'42 | 9♍1 | 3°46 | 7°4 | 11°28 | 20°37 | 12°47 | 7°45 | 19°35 | 18°5 | 11°59 | 13°13 | 10°40 | 6°15 | W15 |
| T 16 | 1 38 56 | 22°52'22 | 20°55 | 4°42 | 7°52 | 12°10 | 20°50 | 12°42 | 7°48 | 19°34 | 18°7 | 11°50 | 13°10 | 10°47 | 6°12 | T 16 |
| F 17 | 1 42 53 | 23°52'04 | 2♊47 | 5°45 | 8°41 | 12°53 | 21°3 | 12°38 | 7°51 | 19°34 | 18°10 | 11°40 | 13°7 | 10°54 | 6°9 | F 17 |
| S 18 | 1 46 49 | 24°51'48 | 14°38 | 6°54 | 9°30 | 13°35 | 21°16 | 12°33 | 7°54 | 19°33 | 18°12 | 11°31 | 13°4 | 11°1 | 6°6 | S 18 |
| S 19 | 1 50 46 | 25°51'34 | 26°30 | 8°8 | 10°21 | 14°17 | 21°30 | 12°29 | 7°57 | 19°32 | 18°15 | 11°23 | 13°0 | 11°7 | 6°3 | S 19 |
| M20 | 1 54 42 | 26°51'23 | 8♌25 | 9°26 | 11°12 | 15°0 | 21°43 | 12°24 | 8°0 | 19°31 | 18°17 | 11°16 | 12°57 | 11°14 | 6°0 | M20 |
| T 21 | 1 58 39 | 27°51'13 | 20°23 | 10°49 | 12°4 | 15°42 | 21°56 | 12°19 | 8°3 | 19°30 | 18°19 | 11°11 | 12°54 | 11°21 | 5°57 | T 21 |
| W22 | 2 2 36 | 28°51'05 | 2♌28 | 12°15 | 12°57 | 16°25 | 22°9 | 12°15 | 8°6 | 19°29 | 18°22 | 11°9 | 12°51 | 11°27 | 5°54 | W22 |
| T 23 | 2 6 32 | 29°50'59 | 14°42 | 13°43 | 13°50 | 17°8 | 22°22 | 12°11 | 8°9 | 19°28 | 18°24 | 11°D 9 | 12°48 | 11°34 | 5°51 | T 23 |
| F 24 | 2 10 29 | 0♌50'55 | 27°7 | 15°14 | 14°44 | 17°51 | 22°35 | 12°6 | 8°12 | 19°27 | 18°26 | 11°10 | 12°45 | 11°41 | 5°48 | F 24 |
| S 25 | 2 14 25 | 1°50'52 | 9♌47 | 16°47 | 15°39 | 18°34 | 22°48 | 12°2 | 8°15 | 19°26 | 18°29 | 11°11 | 12°41 | 11°47 | 5°45 | S 25 |
| S 26 | 2 18 22 | 2°50'51 | 22°46 | 18°21 | 16°34 | 19°17 | 23°1 | 11°58 | 8°18 | 19°25 | 18°31 | 11°13 | 12°38 | 11°54 | 5°42 | S 26 |
| M27 | 2 22 18 | 3°50'52 | 6♌6 | 19°56 | 17°30 | 20°0 | 23°14 | 11°53 | 8°21 | 19°24 | 18°33 | 11°R13 | 12°35 | 12°1 | 5°39 | M27 |
| T 28 | 2 26 15 | 4°50'54 | 19°51 | 21°32 | 18°27 | 20°43 | 23°27 | 11°49 | 8°25 | 19°23 | 18°36 | 11°12 | 12°32 | 12°8 | 5°36 | T 28 |
| W29 | 2 30 11 | 5°50'58 | 4♌1 | 23°9 | 19°24 | 21°27 | 23°40 | 11°45 | 8°28 | 19°22 | 18°38 | 11°9 | 12°29 | 12°14 | 5°33 | W29 |
| T 30 | 2 34 8 | 6°51'03 | 18°35 | 24°47 | 20°21 | 22°10 | 23°52 | 11°41 | 8°31 | 19°21 | 18°40 | 11°6 | 12°25 | 12°21 | 5°30 | T 30 |
| F 31 | 2 38 5 | 7♌51'10 | 3♍29 | 26♏25 | 21♍19 | 22♌53 | 24♏5 | 11°Y37 | 8♌34 | 19♊20 | 18♏43 | 11♌1 | 12♌22 | 12♏28 | 5♏26 | F 31 |

Delta T = 11.66 sec

Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1732

geocentric

NOVEMBER 1732

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-------|---------|-------|--------|-------|-------|-------|------|
| S 1 | 2 42 1 | 8♉51°19 | 18♏35 | 28♊3 | 22♏18 | 23♏37 | 24♊18 | 11°R33 | 8♏38 | 19°R18 | 18♊45 | 10°R56 | 12♏19 | 12♊34 | 5°R23 | S 1 |
| S 2 | 2 45 58 | 9°51'29 | 3♏45 | 29°41 | 23°17 | 24°20 | 24°31 | 11°Y29 | 8°41 | 19°II17 | 18°47 | 10♏52 | 12°16 | 12°41 | 5♏20 | S 2 |
| M 3 | 2 49 54 | 10°51'41 | 18°48 | 1♉19 | 24°17 | 25° 4 | 24°44 | 11°25 | 8°44 | 19°16 | 18°49 | 10°49 | 12°13 | 12°48 | 5°17 | M 3 |
| T 4 | 2 53 51 | 11°51'55 | 3♏35 | 2°57 | 25°17 | 25°48 | 24°57 | 11°21 | 8°48 | 19°15 | 18°52 | 10°47 | 12°10 | 12°55 | 5°14 | T 4 |
| W 5 | 2 57 47 | 12°52'11 | 17°59 | 4°35 | 26°17 | 26°32 | 25° 9 | 11°18 | 8°51 | 19°13 | 18°54 | 10°D47 | 12° 6 | 13° 1 | 5°11 | W 5 |
| T 6 | 3 1 44 | 13°52'29 | 1♏57 | 6°13 | 27°18 | 27°16 | 25°22 | 11°14 | 8°54 | 19°12 | 18°56 | 10°48 | 12° 3 | 13° 8 | 5° 8 | T 6 |
| F 7 | 3 5 40 | 14°52'49 | 15°28 | 7°50 | 28°19 | 27°59 | 25°35 | 11°11 | 8°58 | 19°11 | 18°58 | 10°50 | 12° 0 | 13°15 | 5° 5 | F 7 |
| S 8 | 3 9 37 | 15°53'11 | 28°32 | 9°28 | 29°21 | 28°43 | 25°48 | 11° 7 | 9° 1 | 19° 9 | 19° 1 | 10°51 | 11°57 | 13°21 | 5° 2 | S 8 |
| S 9 | 3 13 34 | 16°53'34 | 11♏14 | 11° 5 | 0♊23 | 29°27 | 26° 0 | 11° 4 | 9° 5 | 19° 8 | 19° 3 | 10°R52 | 11°54 | 13°28 | 4°59 | S 9 |
| M10 | 3 17 30 | 17°54'00 | 23°36 | 12°42 | 1°26 | 0♊12 | 26°13 | 11° 0 | 9° 8 | 19° 7 | 19° 5 | 10°52 | 11°51 | 13°35 | 4°56 | M10 |
| T 11 | 3 21 27 | 18°54'27 | 5♏44 | 14°19 | 2°29 | 0°56 | 26°25 | 10°57 | 9°12 | 19° 5 | 19° 7 | 10°51 | 11°47 | 13°41 | 4°53 | T 11 |
| W12 | 3 25 23 | 19°54'57 | 17°43 | 15°55 | 3°32 | 1°40 | 26°38 | 10°54 | 9°15 | 19° 4 | 19° 9 | 10°49 | 11°44 | 13°48 | 4°50 | W12 |
| T 13 | 3 29 20 | 20°55'28 | 29°35 | 17°31 | 4°36 | 2°24 | 26°50 | 10°51 | 9°19 | 19° 2 | 19°11 | 10°46 | 11°41 | 13°55 | 4°48 | T 13 |
| F 14 | 3 33 16 | 21°56'01 | 11♊25 | 19° 7 | 5°40 | 3° 8 | 27° 3 | 10°48 | 9°22 | 19° 1 | 19°14 | 10°43 | 11°38 | 14° 2 | 4°45 | F 14 |
| S 15 | 3 37 13 | 22°56'35 | 23°17 | 20°43 | 6°44 | 3°53 | 27°15 | 10°45 | 9°26 | 19° 0 | 19°16 | 10°40 | 11°35 | 14° 8 | 4°42 | S 15 |
| S 16 | 3 41 9 | 23°57'11 | 5♏12 | 22°18 | 7°48 | 4°37 | 27°28 | 10°42 | 9°29 | 18°58 | 19°18 | 10°37 | 11°31 | 14°15 | 4°39 | S 16 |
| M17 | 3 45 6 | 24°57'49 | 17°14 | 23°53 | 8°53 | 5°22 | 27°40 | 10°40 | 9°33 | 18°57 | 19°20 | 10°35 | 11°28 | 14°22 | 4°36 | M17 |
| T 18 | 3 49 3 | 25°58'29 | 29°23 | 25°28 | 9°58 | 6° 6 | 27°52 | 10°37 | 9°37 | 18°55 | 19°22 | 10°34 | 11°25 | 14°28 | 4°33 | T 18 |
| W19 | 3 52 59 | 26°59'10 | 11♏41 | 27° 3 | 11° 4 | 6°51 | 28° 5 | 10°34 | 9°40 | 18°53 | 19°24 | 10°D34 | 11°22 | 14°35 | 4°31 | W19 |
| T 20 | 3 56 56 | 27°59'52 | 24°11 | 28°38 | 12°10 | 7°35 | 28°17 | 10°32 | 9°44 | 18°52 | 19°26 | 10°34 | 11°19 | 14°42 | 4°28 | T 20 |
| F 21 | 4 0 52 | 29° 0'36 | 6♏52 | 0♏12 | 13°16 | 8°20 | 28°29 | 10°30 | 9°47 | 18°50 | 19°28 | 10°35 | 11°16 | 14°48 | 4°25 | F 21 |
| S 22 | 4 4 49 | 0♏1'20 | 19°46 | 1°47 | 14°22 | 9° 5 | 28°41 | 10°27 | 9°51 | 18°49 | 19°30 | 10°36 | 11°12 | 14°55 | 4°22 | S 22 |
| S 23 | 4 8 45 | 1° 2'06 | 2♊55 | 3°21 | 15°28 | 9°49 | 28°53 | 10°25 | 9°55 | 18°47 | 19°32 | 10°37 | 11° 9 | 15° 2 | 4°20 | S 23 |
| M24 | 4 12 42 | 2° 2'53 | 16°20 | 4°55 | 16°35 | 10°34 | 29° 5 | 10°23 | 9°58 | 18°46 | 19°34 | 10°38 | 11° 6 | 15° 9 | 4°17 | M24 |
| T 25 | 4 16 38 | 3° 3'40 | 0♏ 2 | 6°29 | 17°42 | 11°19 | 29°17 | 10°21 | 10° 2 | 18°44 | 19°35 | 10°R38 | 11° 3 | 15°15 | 4°15 | T 25 |
| W26 | 4 20 35 | 4° 4'29 | 14° 1 | 8° 3 | 18°49 | 12° 4 | 29°29 | 10°19 | 10° 6 | 18°42 | 19°37 | 10°38 | 11° 0 | 15°22 | 4°12 | W26 |
| T 27 | 4 24 32 | 5° 5'18 | 28°17 | 9°37 | 19°57 | 12°49 | 29°41 | 10°18 | 10° 9 | 18°41 | 19°39 | 10°38 | 10°57 | 15°29 | 4° 9 | T 27 |
| F 28 | 4 28 28 | 6° 6'09 | 12♏47 | 11°11 | 21° 4 | 13°34 | 29°52 | 10°16 | 10°13 | 18°39 | 19°41 | 10°37 | 10°53 | 15°35 | 4° 7 | F 28 |
| S 29 | 4 32 25 | 7° 7'00 | 27°28 | 12°44 | 22°12 | 14°18 | 0♏ 4 | 10°14 | 10°17 | 18°37 | 19°43 | 10°37 | 10°50 | 15°42 | 4° 5 | S 29 |
| S 30 | 4 36 21 | 8♏7'52 | 12♏13 | 14♏18 | 23♊20 | 15♊ 3 | 0♏16 | 10°Y13 | 10♏20 | 18°II36 | 19♊45 | 10♏36 | 10♏47 | 15♊49 | 4♏ 2 | S 30 |

Delta T = 11.68 sec

Greg. Calendar

DECEMBER 1732

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|-------|-------|-------|-------|------|--------|-------|---------|-------|--------|-------|-------|-------|------|
| M 1 | 4 40 18 | 9♏8'45 | 26♏55 | 15♏52 | 24♊28 | 15♊48 | 0♏27 | 10°R12 | 10♏24 | 18°R34 | 19♊46 | 10°R36 | 10♏44 | 15♊55 | 4°R 0 | M 1 |
| T 2 | 4 44 14 | 10° 9'40 | 11♏29 | 17°25 | 25°37 | 16°33 | 0°39 | 10°Y10 | 10°28 | 18°II32 | 19°48 | 10♏36 | 10°41 | 16° 2 | 3♏57 | T 2 |
| W 3 | 4 48 11 | 11°10'35 | 25°46 | 18°59 | 26°45 | 17°18 | 0°50 | 10° 9 | 10°31 | 18°31 | 19°50 | 10°36 | 10°37 | 16° 9 | 3°55 | W 3 |
| T 4 | 4 52 7 | 12°11'31 | 9♏44 | 20°33 | 27°54 | 18° 3 | 1° 2 | 10° 8 | 10°35 | 18°29 | 19°51 | 10°36 | 10°34 | 16°16 | 3°53 | T 4 |
| F 5 | 4 56 4 | 13°12'29 | 23°18 | 22° 6 | 29° 3 | 18°48 | 1°13 | 10° 7 | 10°39 | 18°27 | 19°53 | 10°36 | 10°31 | 16°22 | 3°51 | F 5 |
| S 6 | 5 0 1 | 14°13'27 | 6♏28 | 23°40 | 0♏12 | 19°33 | 1°24 | 10° 7 | 10°42 | 18°26 | 19°55 | 10°36 | 10°28 | 16°29 | 3°49 | S 6 |
| S 7 | 5 3 57 | 15°14'27 | 19°15 | 25°14 | 1°22 | 20°18 | 1°35 | 10° 6 | 10°46 | 18°24 | 19°56 | 10°35 | 10°25 | 16°36 | 3°46 | S 7 |
| M 8 | 5 7 54 | 16°15'27 | 1♏43 | 26°47 | 2°31 | 21° 3 | 1°46 | 10° 5 | 10°50 | 18°22 | 19°58 | 10°35 | 10°22 | 16°42 | 3°44 | M 8 |
| T 9 | 5 11 50 | 17°16'29 | 13°54 | 28°21 | 3°41 | 21°48 | 1°57 | 10° 5 | 10°53 | 18°20 | 19°59 | 10°D34 | 10°18 | 16°49 | 3°42 | T 9 |
| W10 | 5 15 47 | 18°17'31 | 25°54 | 29°54 | 4°51 | 22°34 | 2° 8 | 10° 5 | 10°57 | 18°19 | 20° 1 | 10°34 | 10°15 | 16°56 | 3°40 | W10 |
| T 11 | 5 19 43 | 19°18'35 | 7♊46 | 1♏27 | 6° 1 | 23°19 | 2°19 | 10° 4 | 11° 1 | 18°17 | 20° 2 | 10°35 | 10°12 | 17° 2 | 3°38 | T 11 |
| F 12 | 5 23 40 | 20°19'40 | 19°36 | 3° 1 | 7°11 | 24° 4 | 2°30 | 10° 4 | 11° 4 | 18°15 | 20° 4 | 10°36 | 10° 9 | 17° 9 | 3°37 | F 12 |
| S 13 | 5 27 36 | 21°20'45 | 1♏29 | 4°34 | 8°21 | 24°49 | 2°40 | 10°D 4 | 11° 8 | 18°14 | 20° 5 | 10°37 | 10° 6 | 17°16 | 3°35 | S 13 |
| S 14 | 5 31 33 | 22°21'51 | 13°27 | 6° 7 | 9°31 | 25°34 | 2°51 | 10° 4 | 11°12 | 18°12 | 20° 7 | 10°38 | 10° 2 | 17°22 | 3°33 | S 14 |
| M15 | 5 35 30 | 23°22'59 | 25°36 | 7°39 | 10°42 | 26°19 | 3° 1 | 10° 4 | 11°15 | 18°10 | 20° 8 | 10°39 | 9°59 | 17°29 | 3°31 | M15 |
| T 16 | 5 39 26 | 24°24'07 | 7♏56 | 9°11 | 11°52 | 27° 4 | 3°12 | 10° 5 | 11°19 | 18° 9 | 20° 9 | 10°R39 | 9°56 | 17°36 | 3°30 | T 16 |
| W17 | 5 43 23 | 25°25'15 | 20°31 | 10°43 | 13° 3 | 27°50 | 3°22 | 10° 5 | 11°22 | 18° 7 | 20°11 | 10°39 | 9°53 | 17°43 | 3°28 | W17 |
| T 18 | 5 47 19 | 26°26'24 | 3♏20 | 12°14 | 14°14 | 28°35 | 3°32 | 10° 6 | 11°26 | 18° 5 | 20°12 | 10°38 | 9°50 | 17°49 | 3°27 | T 18 |
| F 19 | 5 51 16 | 27°27'34 | 16°24 | 13°44 | 15°25 | 29°20 | 3°43 | 10° 6 | 11°30 | 18° 4 | 20°13 | 10°36 | 9°47 | 17°56 | 3°25 | F 19 |
| S 20 | 5 55 12 | 28°28'43 | 29°42 | 15°13 | 16°36 | 0♏ 5 | 3°53 | 10° 7 | 11°33 | 18° 2 | 20°14 | 10°34 | 9°43 | 18° 3 | 3°24 | S 20 |
| S 21 | 5 59 9 | 29°29'53 | 13♊14 | 16°41 | 17°47 | 0°50 | 4° 2 | 10° 8 | 11°37 | 18° 0 | 20°15 | 10°31 | 9°40 | 18° 9 | 3°22 | S 21 |
| M22 | 6 3 5 | 0♏31'03 | 26°56 | 18° 8 | 18°59 | 1°35 | 4°12 | 10° 9 | 11°40 | 17°59 | 20°16 | 10°28 | 9°37 | 18°16 | 3°21 | M22 |
| T 23 | 6 7 2 | 1°32'13 | 10♏49 | 19°33 | 20°10 | 2°21 | 4°22 | 10°10 | 11°44 | 17°57 | 20°18 | 10°26 | 9°34 | 18°23 | 3°20 | T 23 |
| W24 | 6 10 59 | 2°33'23 | 24°50 | 20°56 | 21°21 | 3° 6 | 4°32 | 10°11 | 11°47 | 17°55 | 20°19 | 10°25 | 9°31 | 18°29 | 3°18 | W24 |
| T 25 | 6 14 55 | 3°34'33 | 8♏57 | 22°16 | 22°33 | 3°51 | 4°41 | 10°12 | 11°51 | 17°54 | 20°20 | 10°D25 | 9°28 | 18°36 | 3°17 | T 25 |
| F 26 | 6 18 52 | 4°35'43 | 23° 9 | 23°34 | 23°45 | 4°36 | 4°50 | 10°14 | 11°54 | 17°52 | 20°21 | 10°26 | 9°24 | 18°43 | 3°16 | F 26 |
| S 27 | 6 22 48 | 5°36'52 | 7♏25 | 24°48 | 24°56 | 5°21 | 5° 0 | 10°15 | 11°58 | 17°50 | 20°22 | 10°27 | 9°21 | 18°50 | 3°15 | S 27 |
| S 28 | 6 26 45 | 6°38'02 | 21°40 | 25°58 | 26° 8 | 6° 6 | 5° 9 | 10°17 | 12° 1 | 17°49 | 20°23 | 10°29 | 9°18 | 18°56 | 3°14 | S 28 |
| M29 | 6 30 41 | 7°39'11 | 5♏53 | 27° 4 | 27°20 | 6°52 | 5°18 | 10°19 | 12° 5 | 17°47 | 20°23 | 10°R30 | 9°15 | 19° 3 | 3°13 | M29 |
| T 30 | 6 34 38 | 8°40'20 | 20° 0 | 28° 4 | 28°32 | 7°37 | 5°27 | 10°20 | 12° 8 | 17°46 | 20°24 | 10°29 | 9°12 | 19°10 | 3°12 | T 30 |
| W31 | 6 38 35 | 9♏41'29 | 3♏57 | 28♏59 | 29♏44 | 8♏22 | 5♏36 | 10°Y22 | 12♏11 | 17°II44 | 20♊25 | 10♏28 | 9♏ 9 | 19♊16 | 3♏12 | W31 |

Delta T = 11.69 sec

Greg. Calendar