



Astrodienst Ephemeris Tables for the year 2032

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 2032

geocentric

JANUARY 2032

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|------|
| T 1 | 6 40 52 | 10° 3' 18" | 15° 44' 44" | 22° 10' 10" | 3° 11' 11" | 1° 49' 49" | 10° 32' 12" | 17° 55' 17" | 24° 37' 37" | 12° 50' 50" | 12° 18' 18" | 17° 29' 29" | 16° 09' 09" | 5° 21' 21" | 16° 47' 47" | T 1 |
| F 2 | 6 44 49 | 11° 7' 27" | 27° 36' 36" | 23° 36' 36" | 4° 24' 24" | 2° 35' 35" | 10° 35' 35" | 17° 51' 51" | 24° 34' 34" | 12° 50' 50" | 12° 18' 18" | 17° 20' 20" | 16° 6' 6" | 5° 27' 27" | 16° 45' 45" | F 2 |
| S 3 | 6 48 45 | 12° 8' 36" | 9° 30' 30" | 25° 3' 3" | 5° 37' 37" | 3° 22' 22" | 10° 49' 49" | 17° 47' 47" | 24° 32' 32" | 12° 51' 51" | 12° 19' 19" | 17° 13' 13" | 16° 3' 3" | 5° 34' 34" | 16° 44' 44" | S 3 |
| S 4 | 6 52 42 | 13° 9' 45" | 21° 31' 31" | 26° 30' 30" | 6° 50' 50" | 4° 8' 8" | 11° 3' 3" | 17° 43' 43" | 24° 30' 30" | 12° 51' 51" | 12° 21' 21" | 17° 8' 8" | 16° 0' 0" | 5° 41' 41" | 16° 42' 42" | S 4 |
| M 5 | 6 56 38 | 14° 10' 54" | 3° 42' 42" | 27° 58' 58" | 8° 4' 4" | 4° 54' 54" | 11° 17' 17" | 17° 38' 38" | 24° 27' 27" | 12° 51' 51" | 12° 23' 23" | 17° 5' 5" | 15° 56' 56" | 5° 47' 47" | 16° 41' 41" | M 5 |
| T 6 | 7 0 35 | 15° 12' 04" | 16° 8' 8" | 29° 26' 26" | 9° 17' 17" | 5° 40' 40" | 11° 31' 31" | 17° 34' 34" | 24° 25' 25" | 12° 52' 52" | 12° 24' 24" | 17° 4' 4" | 15° 53' 53" | 5° 54' 54" | 16° 40' 40" | T 6 |
| W 7 | 7 4 32 | 16° 13' 13" | 28° 54' 54" | 0° 55' 55" | 10° 30' 30" | 6° 26' 26" | 11° 45' 45" | 17° 30' 30" | 24° 22' 22" | 12° 52' 52" | 12° 26' 26" | 17° 5' 5" | 15° 50' 50" | 6° 1' 1" | 16° 39' 39" | W 7 |
| T 8 | 7 8 28 | 17° 14' 23" | 12° 4' 4" | 2° 24' 24" | 11° 44' 44" | 7° 12' 12" | 11° 59' 59" | 17° 26' 26" | 24° 20' 20" | 12° 53' 53" | 12° 28' 28" | 17° 5' 5" | 15° 47' 47" | 6° 8' 8" | 16° 38' 38" | T 8 |
| F 9 | 7 12 25 | 18° 15' 34" | 25° 42' 42" | 3° 54' 54" | 12° 57' 57" | 7° 59' 59" | 12° 12' 12" | 17° 22' 22" | 24° 18' 18" | 12° 53' 53" | 12° 29' 29" | 17° 5' 5" | 15° 44' 44" | 6° 14' 14" | 16° 36' 36" | F 9 |
| S 10 | 7 16 21 | 19° 16' 44" | 9° 49' 49" | 5° 24' 24" | 14° 11' 11" | 8° 45' 45" | 12° 26' 26" | 17° 19' 19" | 24° 16' 16" | 12° 54' 54" | 12° 31' 31" | 17° 3' 3" | 15° 40' 40" | 6° 21' 21" | 16° 35' 35" | S 10 |
| S 11 | 7 20 18 | 20° 17' 54" | 24° 25' 25" | 6° 55' 55" | 15° 24' 24" | 9° 31' 31" | 12° 40' 40" | 17° 15' 15" | 24° 13' 13" | 12° 54' 54" | 12° 33' 33" | 16° 58' 58" | 15° 37' 37" | 6° 28' 28" | 16° 35' 35" | S 11 |
| M 12 | 7 24 14 | 21° 19' 05" | 9° 32' 32" | 8° 27' 27" | 16° 38' 38" | 10° 17' 17" | 12° 54' 54" | 17° 11' 11" | 24° 11' 11" | 12° 55' 55" | 12° 34' 34" | 16° 51' 51" | 15° 34' 34" | 6° 34' 34" | 16° 34' 34" | M 12 |
| T 13 | 7 28 11 | 22° 20' 15" | 24° 39' 39" | 9° 59' 59" | 17° 52' 52" | 11° 3' 3" | 13° 8' 8" | 17° 8' 8" | 24° 9' 9" | 12° 56' 56" | 12° 36' 36" | 16° 42' 42" | 15° 31' 31" | 6° 41' 41" | 16° 33' 33" | T 13 |
| W 14 | 7 32 7 | 23° 21' 24" | 9° 59' 59" | 11° 31' 31" | 19° 5' 5" | 11° 49' 49" | 13° 22' 22" | 17° 4' 4" | 24° 7' 7" | 12° 56' 56" | 12° 38' 38" | 16° 31' 31" | 15° 28' 28" | 6° 48' 48" | 16° 32' 32" | W 14 |
| T 15 | 7 36 4 | 24° 22' 33" | 25° 11' 11" | 13° 4' 4" | 20° 19' 19" | 12° 35' 35" | 13° 35' 35" | 17° 1' 1" | 24° 5' 5" | 12° 57' 57" | 12° 40' 40" | 16° 21' 21" | 15° 25' 25" | 6° 55' 55" | 16° 31' 31" | T 15 |
| F 16 | 7 40 1 | 25° 23' 42" | 10° 6' 6" | 14° 37' 37" | 21° 33' 33" | 13° 21' 21" | 13° 49' 49" | 16° 57' 57" | 24° 3' 3" | 12° 58' 58" | 12° 41' 41" | 16° 12' 12" | 15° 21' 21" | 7° 1' 1" | 16° 31' 31" | F 16 |
| S 17 | 7 43 57 | 26° 24' 49" | 24° 36' 36" | 16° 11' 11" | 22° 46' 46" | 14° 7' 7" | 14° 3' 3" | 16° 54' 54" | 24° 0' 0" | 12° 59' 59" | 12° 43' 43" | 16° 6' 6" | 15° 18' 18" | 7° 8' 8" | 16° 30' 30" | S 17 |
| S 18 | 7 47 54 | 27° 25' 56" | 8° 39' 39" | 17° 45' 45" | 24° 0' 0" | 14° 53' 53" | 14° 17' 17" | 16° 51' 51" | 23° 58' 58" | 13° 0' 0" | 12° 45' 45" | 16° 2' 2" | 15° 15' 15" | 7° 15' 15" | 16° 30' 30" | S 18 |
| M 19 | 7 51 50 | 28° 27' 03" | 22° 13' 13" | 19° 20' 20" | 25° 14' 14" | 15° 39' 39" | 14° 30' 30" | 16° 48' 48" | 23° 56' 56" | 13° 0' 0" | 12° 47' 47" | 16° 1' 1" | 15° 12' 12" | 7° 22' 22" | 16° 29' 29" | M 19 |
| T 20 | 7 55 47 | 29° 28' 08" | 5° 22' 22" | 20° 55' 55" | 26° 28' 28" | 16° 25' 25" | 14° 44' 44" | 16° 45' 45" | 23° 54' 54" | 13° 1' 1" | 12° 49' 49" | 16° 1' 1" | 15° 9' 9" | 7° 28' 28" | 16° 29' 29" | T 20 |
| W 21 | 7 59 43 | 0° 29' 13" | 18° 8' 8" | 22° 31' 31" | 27° 42' 42" | 17° 11' 11" | 14° 58' 58" | 16° 42' 42" | 23° 53' 53" | 13° 2' 2" | 12° 50' 50" | 16° 1' 1" | 15° 6' 6" | 7° 35' 35" | 16° 28' 28" | W 21 |
| T 22 | 8 3 40 | 1° 30' 16" | 0° 37' 37" | 24° 7' 7" | 28° 56' 56" | 17° 57' 57" | 15° 11' 11" | 16° 39' 39" | 23° 51' 51" | 13° 3' 3" | 12° 52' 52" | 16° 0' 0" | 15° 2' 2" | 7° 42' 42" | 16° 28' 28" | T 22 |
| F 23 | 8 7 36 | 2° 31' 19" | 12° 52' 52" | 25° 44' 44" | 0° 3' 3" | 18° 43' 43" | 15° 25' 25" | 16° 36' 36" | 23° 49' 49" | 13° 4' 4" | 12° 54' 54" | 15° 57' 57" | 14° 59' 59" | 7° 48' 48" | 16° 28' 28" | F 23 |
| S 24 | 8 11 33 | 3° 32' 21" | 24° 58' 58" | 27° 22' 22" | 1° 23' 23" | 19° 29' 29" | 15° 39' 39" | 16° 34' 34" | 23° 47' 47" | 13° 5' 5" | 12° 56' 56" | 15° 51' 51" | 14° 56' 56" | 7° 55' 55" | 16° 28' 28" | S 24 |
| S 25 | 8 15 30 | 4° 33' 22" | 6° 57' 57" | 29° 0' 0" | 2° 37' 37" | 20° 15' 15" | 15° 52' 52" | 16° 31' 31" | 23° 45' 45" | 13° 6' 6" | 12° 58' 58" | 15° 42' 42" | 14° 53' 53" | 8° 2' 2" | 16° 28' 28" | S 25 |
| M 26 | 8 19 26 | 5° 34' 22" | 18° 52' 52" | 0° 38' 38" | 3° 51' 51" | 21° 1' 1" | 16° 6' 6" | 16° 29' 29" | 23° 43' 43" | 13° 7' 7" | 13° 0' 0" | 15° 31' 31" | 14° 50' 50" | 8° 9' 9" | 16° 28' 28" | M 26 |
| T 27 | 8 23 23 | 6° 35' 21" | 0° 46' 46" | 2° 18' 18" | 5° 5' 5" | 21° 47' 47" | 16° 19' 19" | 16° 27' 27" | 23° 42' 42" | 13° 9' 9" | 13° 1' 1" | 15° 17' 17" | 14° 46' 46" | 8° 15' 15" | 16° 28' 28" | T 27 |
| W 28 | 8 27 19 | 7° 36' 19" | 12° 38' 38" | 3° 58' 58" | 6° 19' 19" | 22° 32' 32" | 16° 33' 33" | 16° 25' 25" | 23° 40' 40" | 13° 10' 10" | 13° 3' 3" | 15° 2' 2" | 14° 43' 43" | 8° 22' 22" | 16° 28' 28" | W 28 |
| T 29 | 8 31 16 | 8° 37' 16" | 24° 32' 32" | 5° 38' 38" | 7° 33' 33" | 23° 18' 18" | 16° 46' 46" | 16° 22' 22" | 23° 39' 39" | 13° 11' 11" | 13° 5' 5" | 14° 47' 47" | 14° 40' 40" | 8° 29' 29" | 16° 28' 28" | T 29 |
| F 30 | 8 35 12 | 9° 38' 13" | 6° 27' 27" | 7° 20' 20" | 8° 47' 47" | 24° 4' 4" | 17° 0' 0" | 16° 20' 20" | 23° 37' 37" | 13° 12' 12" | 13° 7' 7" | 14° 33' 33" | 14° 37' 37" | 8° 35' 35" | 16° 28' 28" | F 30 |
| S 31 | 8 39 9 | 10° 39' 09" | 18° 25' 25" | 9° 2' 2" | 10° 3' 3" | 24° 50' 50" | 17° 13' 13" | 16° 19' 19" | 23° 35' 35" | 13° 13' 13" | 13° 9' 9" | 14° 22' 22" | 14° 34' 34" | 8° 42' 42" | 16° 28' 28" | S 31 |

Delta T = 69.76 sec

FEBRUARY 2032

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|--------|--------|------|
| S 1 | 8 43 5 | 11°40'03 | 0°30 | 10°44 | 11°36 | 25°35 | 17°26 | 16°R17 | 23°R34 | 13°Y15 | 13°11 | 14°R14 | 14°M31 | 8°J49 | 16°B29 | S 1 |
| M 2 | 8 47 2 | 12°40'57 | 12°43 | 12°28 | 12°30 | 26°21 | 17°40 | 16°II15 | 23°II32 | 13°16 | 13°12 | 14°M 8 | 14°27 | 8°56 | 16°29 | M 2 |
| T 3 | 8 50 59 | 13°41'50 | 25° 8 | 14°12 | 13°44 | 27° 7 | 17°53 | 16°14 | 23°31 | 13°17 | 13°14 | 14° 6 | 14°24 | 9° 2 | 16°30 | T 3 |
| W 4 | 8 54 55 | 14°42'43 | 7°M50 | 15°56 | 14°58 | 27°52 | 18° 6 | 16°12 | 23°30 | 13°19 | 13°16 | 14° 5 | 14°21 | 9° 9 | 16°30 | W 4 |
| T 5 | 8 58 52 | 15°43'35 | 20°53 | 17°42 | 16°12 | 28°38 | 18°19 | 16°11 | 23°28 | 13°20 | 13°18 | 14° 5 | 14°18 | 9°16 | 16°31 | T 5 |
| F 6 | 9 2 48 | 16°44'25 | 4°J20 | 19°28 | 17°26 | 29°23 | 18°32 | 16°10 | 23°27 | 13°21 | 13°20 | 14° 4 | 14°15 | 9°23 | 16°32 | F 6 |
| S 7 | 9 6 45 | 17°45'15 | 18°16 | 21°14 | 18°40 | 0°Y 9 | 18°45 | 16° 9 | 23°26 | 13°23 | 13°22 | 14° 2 | 14°12 | 9°29 | 16°32 | S 7 |
| S 8 | 9 10 41 | 18°46'05 | 2°J40 | 23° 2 | 19°55 | 0°54 | 18°58 | 16° 8 | 23°25 | 13°24 | 13°23 | 13°57 | 14° 8 | 9°36 | 16°33 | S 8 |
| M 9 | 9 14 38 | 19°46'53 | 17°30 | 24°49 | 21° 9 | 1°40 | 19°11 | 16° 7 | 23°24 | 13°26 | 13°25 | 13°49 | 14° 5 | 9°43 | 16°34 | M 9 |
| T 10 | 9 18 34 | 20°47'40 | 2°M39 | 26°38 | 22°23 | 2°25 | 19°24 | 16° 6 | 23°23 | 13°27 | 13°27 | 13°39 | 14° 2 | 9°49 | 16°35 | T 10 |
| W 11 | 9 22 31 | 21°48'25 | 17°59 | 28°27 | 23°37 | 3°11 | 19°37 | 16° 5 | 23°22 | 13°29 | 13°29 | 13°27 | 13°59 | 9°56 | 16°36 | W 11 |
| T 12 | 9 26 28 | 22°49'10 | 3°H17 | 0°H16 | 24°52 | 3°56 | 19°50 | 16° 5 | 23°21 | 13°30 | 13°31 | 13°16 | 13°56 | 10° 3 | 16°37 | T 12 |
| F 13 | 9 30 24 | 23°49'53 | 18°23 | 2° 5 | 26° 6 | 4°41 | 20° 3 | 16° 4 | 23°20 | 13°32 | 13°33 | 13° 6 | 13°52 | 10°10 | 16°38 | F 13 |
| S 14 | 9 34 21 | 24°50'34 | 3°Y 6 | 3°54 | 27°20 | 5°27 | 20°15 | 16° 4 | 23°19 | 13°34 | 13°34 | 12°58 | 13°49 | 10°16 | 16°39 | S 14 |
| S 15 | 9 38 17 | 25°51'14 | 17°21 | 5°44 | 28°34 | 6°12 | 20°28 | 16° 4 | 23°18 | 13°35 | 13°36 | 12°53 | 13°46 | 10°23 | 16°40 | S 15 |
| M 16 | 9 42 14 | 26°51'52 | 1°B 6 | 7°33 | 29°49 | 6°57 | 20°40 | 16°D 4 | 23°17 | 13°37 | 13°38 | 12°51 | 13°43 | 10°30 | 16°42 | M 16 |
| T 17 | 9 46 10 | 27°52'28 | 14°22 | 9°21 | 1°M 3 | 7°42 | 20°53 | 16° 4 | 23°17 | 13°39 | 13°40 | 12°D51 | 13°40 | 10°36 | 16°43 | T 17 |
| W 18 | 9 50 7 | 28°53'03 | 27°12 | 11° 9 | 2°17 | 8°27 | 21° 5 | 16° 4 | 23°16 | 13°40 | 13°42 | 12°R51 | 13°37 | 10°43 | 16°44 | W 18 |
| T 19 | 9 54 3 | 29°53'36 | 9°II41 | 12°56 | 3°31 | 9°13 | 21°18 | 16° 4 | 23°15 | 13°42 | 13°43 | 12°51 | 13°33 | 10°50 | 16°46 | T 19 |
| F 20 | 9 58 0 | 0°H54'07 | 21°54 | 14°41 | 4°46 | 9°58 | 21°30 | 16° 4 | 23°15 | 13°44 | 13°45 | 12°48 | 13°30 | 10°57 | 16°47 | F 20 |
| S 21 | 10 1 57 | 1°54'37 | 3°B56 | 16°24 | 6° 0 | 10°43 | 21°42 | 16° 5 | 23°14 | 13°46 | 13°47 | 12°44 | 13°27 | 11° 3 | 16°49 | S 21 |
| S 22 | 10 5 53 | 2°55'04 | 15°51 | 18° 5 | 7°14 | 11°28 | 21°55 | 16° 5 | 23°14 | 13°47 | 13°49 | 12°37 | 13°24 | 11°10 | 16°51 | S 22 |
| M 23 | 10 9 50 | 3°55'30 | 27°43 | 19°43 | 8°29 | 12°13 | 22° 7 | 16° 6 | 23°13 | 13°49 | 13°50 | 12°27 | 13°21 | 11°17 | 16°52 | M 23 |
| T 24 | 10 13 46 | 4°55'54 | 9°J34 | 21°18 | 9°43 | 12°58 | 22°19 | 16° 7 | 23°13 | 13°51 | 13°52 | 12°15 | 13°18 | 11°24 | 16°54 | T 24 |
| W 25 | 10 17 43 | 5°56'16 | 21°28 | 22°49 | 10°57 | 13°42 | 22°31 | 16° 8 | 23°13 | 13°53 | 13°54 | 12° 2 | 13°14 | 11°30 | 16°56 | W 25 |
| T 26 | 10 21 39 | 6°56'36 | 3°M24 | 24°15 | 12°11 | 14°27 | 22°42 | 16° 9 | 23°12 | 13°55 | 13°56 | 11°49 | 13°11 | 11°37 | 16°58 | T 26 |
| F 27 | 10 25 36 | 7°56'55 | 15°26 | 25°36 | 13°26 | 15°12 | 22°54 | 16°10 | 23°12 | 13°57 | 13°57 | 11°37 | 13° 8 | 11°44 | 17° 0 | F 27 |
| S 28 | 10 29 32 | 8°57'11 | 27°33 | 26°52 | 14°40 | 15°57 | 23° 6 | 16°11 | 23°12 | 13°59 | 13°59 | 11°27 | 13° 5 | 11°50 | 17° 2 | S 28 |
| S 29 | 10 33 29 | 9°H57'27 | 9°B48 | 28°H 1 | 15°M54 | 16°Y41 | 23°B18 | 16°II13 | 23°II12 | 14°Y 1 | 14°M 1 | 11°M20 | 13°M 2 | 11°J57 | 17°B 4 | S 29 |

ASTRODIENST EPHEMERIS for the year 2032

geocentric

MARCH 2032

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
| M 1 | 10 37 26 | 10°57'40 | 22°11'11 | 29°38'3 | 17°28'9 | 17°26'26 | 23°29'29 | 16°11'14 | 23°12'12 | 14°5'3 | 14°2'2 | 11°16'16 | 12°15'58 | 12°12'4 | 17°18'6 | M 1 |
| T 2 | 10 41 22 | 11°57'52 | 4°14'46 | 29°57'18 | 18°23'18 | 18°11'23 | 23°41'16 | 16°16'23 | 23°12'12 | 14°5'14 | 14°4'4 | 11°16'16 | 12°55'12 | 12°11'17 | 17°8'8 | T 2 |
| W 3 | 10 45 19 | 12°58'03 | 17°33'00 | 0°44'19 | 19°37'18 | 18°55'23 | 23°52'16 | 16°18'23 | 23°12'14 | 14°7'14 | 14°6'6 | 11°16'16 | 12°52'12 | 12°17'17 | 17°10'10 | W 3 |
| T 4 | 10 49 15 | 13°58'12 | 0°38'12 | 1°21'20 | 20°52'19 | 20°40'24 | 24°3'16 | 16°19'23 | 23°12'14 | 14°9'14 | 14°7'7 | 11°15'11 | 12°49'12 | 12°24'17 | 17°12'12 | T 4 |
| F 5 | 10 53 12 | 14°58'19 | 14°2'1 | 1°51'22 | 22°6'20 | 20°24'24 | 24°15'16 | 16°21'23 | 23°12'14 | 14°11'14 | 14°9'9 | 11°15'11 | 12°46'12 | 12°31'17 | 17°15'15 | F 5 |
| S 6 | 10 57 8 | 15°58'25 | 27°48'2 | 2°11'23 | 23°20'21 | 21°9'24 | 24°26'16 | 16°23'23 | 23°13'14 | 14°13'14 | 14°11'11 | 11°14'11 | 12°43'12 | 12°38'17 | 17°17'17 | S 6 |
| S 7 | 11 1 5 | 16°58'30 | 11°35'58 | 2°21'24 | 24°35'21 | 21°53'24 | 24°37'16 | 16°25'23 | 23°13'14 | 14°15'14 | 14°12'11 | 11°12'11 | 12°39'12 | 12°44'17 | 17°19'19 | S 7 |
| M 8 | 11 5 1 | 17°58'33 | 26°30'2 | 2°R23 | 25°49'22 | 22°38'24 | 24°48'16 | 16°28'23 | 23°13'14 | 14°17'14 | 14°14'11 | 11°7'11 | 12°36'12 | 12°51'17 | 17°22'22 | M 8 |
| T 9 | 11 8 58 | 18°58'34 | 11°31'19 | 2°16'27 | 27°3'23 | 23°22'24 | 24°59'16 | 16°30'23 | 23°14'14 | 14°19'14 | 14°15'11 | 11°0'11 | 12°33'12 | 12°58'17 | 17°24'24 | T 9 |
| W10 | 11 12 55 | 19°58'33 | 26°21'2 | 2°0'28 | 28°18'24 | 24°6'25 | 25°9'16 | 16°32'23 | 23°14'14 | 14°21'14 | 14°17'11 | 10°52'10 | 12°30'13 | 13°4'17 | 17°27'27 | W10 |
| T 11 | 11 16 51 | 20°58'31 | 11°25'11 | 1°35'29 | 29°32'24 | 25°20'25 | 25°20'25 | 16°35'23 | 23°15'14 | 14°23'14 | 14°19'11 | 10°44'10 | 12°27'13 | 13°11'17 | 17°29'29 | T 11 |
| F 12 | 11 20 48 | 21°58'27 | 26°22'1 | 1°4'0 | 30°46'25 | 25°35'25 | 25°31'16 | 16°38'23 | 23°15'14 | 14°25'14 | 14°20'10 | 10°37'10 | 12°23'13 | 13°18'17 | 17°32'32 | F 12 |
| S 13 | 11 24 44 | 22°58'20 | 11°19'2 | 0°25'2 | 2°1'26 | 26°19'25 | 25°41'16 | 16°40'23 | 23°16'14 | 14°27'14 | 14°22'10 | 10°32'10 | 12°20'13 | 13°25'17 | 17°35'35 | S 13 |
| S 14 | 11 28 41 | 23°58'12 | 25°20'29 | 3°15'27 | 3°15'27 | 27°3'25 | 25°51'16 | 16°43'23 | 23°17'14 | 14°29'14 | 14°23'10 | 10°29'10 | 12°17'13 | 13°31'17 | 17°38'38 | S 14 |
| M15 | 11 32 37 | 24°58'02 | 9°10'28 | 4°29'27 | 4°29'27 | 27°47'26 | 26°2'16 | 16°46'23 | 23°17'14 | 14°32'14 | 14°25'10 | 10°D28 | 12°14'13 | 13°38'17 | 17°40'40 | M15 |
| T 16 | 11 36 34 | 25°57'49 | 22°33'27 | 5°43'28 | 5°43'28 | 28°31'26 | 26°12'16 | 16°49'23 | 23°18'14 | 14°34'14 | 14°26'10 | 10°28'10 | 12°11'13 | 13°45'17 | 17°43'43 | T 16 |
| W17 | 11 40 30 | 26°57'34 | 5°11'31 | 6°58'29 | 6°58'29 | 29°15'26 | 26°22'16 | 16°53'23 | 23°19'14 | 14°36'14 | 14°28'10 | 10°30'10 | 12°8'13 | 13°51'17 | 17°46'46 | W17 |
| T 18 | 11 44 27 | 27°57'17 | 18°5'18 | 8°12'29 | 8°12'29 | 29°59'26 | 26°32'16 | 16°56'23 | 23°20'14 | 14°38'14 | 14°29'10 | 10°31'10 | 12°4'13 | 13°58'17 | 17°49'49 | T 18 |
| F 19 | 11 48 23 | 28°56'58 | 0°22'25 | 9°26'25 | 9°26'25 | 30°43'26 | 26°41'16 | 16°59'23 | 23°21'14 | 14°40'14 | 14°30'10 | 10°R31 | 12°1'14 | 14°5'17 | 17°52'52 | F 19 |
| S 20 | 11 52 20 | 29°56'37 | 12°26'24 | 10°41'1 | 1°27'26 | 26°51'17 | 26°51'17 | 17°3'23 | 23°22'14 | 14°43'14 | 14°32'10 | 10°30'10 | 11°58'11 | 14°12'17 | 17°55'55 | S 20 |
| S 21 | 11 56 17 | 0°56'13 | 24°22'23 | 11°55'2 | 2°10'27 | 27°1'17 | 27°1'17 | 17°6'23 | 23°23'14 | 14°45'14 | 14°33'10 | 10°28'10 | 11°55'11 | 14°18'17 | 17°58'58 | S 21 |
| M22 | 12 0 13 | 1°55'47 | 6°13'22 | 13°9'2 | 2°54'27 | 27°10'17 | 27°10'17 | 17°10'23 | 23°24'14 | 14°47'14 | 14°34'10 | 10°23'10 | 11°52'11 | 14°25'18 | 18°1'1 | M22 |
| T 23 | 12 4 10 | 2°55'18 | 18°5'21 | 14°23'3 | 3°38'27 | 27°20'17 | 27°20'17 | 17°14'23 | 23°25'14 | 14°49'14 | 14°36'10 | 10°17'10 | 11°49'11 | 14°32'18 | 18°4'4 | T 23 |
| W24 | 12 8 6 | 3°54'48 | 0°19'21 | 15°38'4 | 4°22'27 | 27°29'17 | 27°29'17 | 17°18'23 | 23°26'14 | 14°51'14 | 14°37'10 | 10°11'10 | 11°45'11 | 14°39'18 | 18°7'7 | W24 |
| T 25 | 12 12 3 | 4°54'15 | 12°2'20 | 16°52'5 | 5°5'27 | 27°38'17 | 27°38'17 | 17°22'23 | 23°27'14 | 14°54'14 | 14°38'10 | 10°4'10 | 11°42'11 | 14°45'18 | 18°10'10 | T 25 |
| F 26 | 12 15 59 | 5°53'40 | 24°12'20 | 18°6'6 | 5°49'27 | 27°47'17 | 27°47'17 | 17°26'23 | 23°29'14 | 14°56'14 | 14°40'10 | 9°58'10 | 11°39'11 | 14°52'18 | 18°14'14 | F 26 |
| S 27 | 12 19 56 | 6°53'03 | 6°31'19 | 19°40'19 | 6°32'27 | 27°56'17 | 27°56'17 | 17°30'23 | 23°30'14 | 14°58'14 | 14°41'10 | 9°53'10 | 11°36'11 | 14°59'18 | 18°17'17 | S 27 |
| S 28 | 12 23 52 | 7°52'24 | 19°0'19 | 20°34'2 | 7°16'28 | 28°5'17 | 28°5'17 | 17°34'23 | 23°31'14 | 15°0'14 | 14°42'10 | 9°50'10 | 11°33'11 | 15°5'18 | 18°20'20 | S 28 |
| M29 | 12 27 49 | 8°51'43 | 1°14'19 | 21°49'9 | 7°59'28 | 28°13'17 | 28°13'17 | 17°38'23 | 23°33'14 | 15°3'14 | 14°43'10 | 9°48'10 | 11°29'11 | 15°12'18 | 18°23'23 | M29 |
| T 30 | 12 31 46 | 9°51'00 | 14°33'19 | 23°3'3 | 8°42'28 | 28°22'17 | 28°22'17 | 17°43'23 | 23°34'14 | 15°5'14 | 14°45'10 | 9°D48 | 11°26'11 | 15°19'18 | 18°27'27 | T 30 |
| W31 | 12 35 42 | 10°50'15 | 27°13'38 | 19°D3 | 24°17'24 | 24°17'24 | 24°17'24 | 17°47'23 | 23°36'14 | 15°14'14 | 14°46'10 | 9°M49 | 11°23'11 | 15°26'18 | 18°30'30 | W31 |

Delta T = 69.80 sec

APRIL 2032

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
| T 1 | 12 39 39 | 11°49'28 | 10°57'57 | 19°38'8 | 25°31'25 | 10°8'9 | 28°38'28 | 17°11'52 | 23°11'37 | 15°10'10 | 14°47'14 | 9°M50 | 11°16'20 | 15°12'32 | 18°34'34 | T 1 |
| F 2 | 12 43 35 | 12°48'40 | 24°29'19 | 19°18'26 | 10°52'10 | 10°52'10 | 28°46'17 | 17°56'23 | 23°39'15 | 15°12'14 | 14°48'14 | 9°52'10 | 11°17'17 | 15°39'18 | 18°37'37 | F 2 |
| S 3 | 12 47 32 | 13°47'50 | 8°31'17 | 19°33'19 | 11°35'11 | 11°35'11 | 28°54'18 | 18°1'23 | 23°41'15 | 15°14'14 | 14°49'14 | 9°R53 | 11°14'11 | 15°46'18 | 18°41'41 | S 3 |
| S 4 | 12 51 28 | 14°46'58 | 22°20'19 | 19°54'29 | 12°19'29 | 2°2'18 | 29°2'18 | 18°6'23 | 23°42'15 | 15°16'14 | 14°50'14 | 9°53'10 | 11°10'11 | 15°52'18 | 18°44'44 | S 4 |
| M 5 | 12 55 25 | 15°46'04 | 6°38'20 | 20°19'0 | 13°2'29 | 13°2'29 | 29°10'18 | 18°11'23 | 23°44'15 | 15°19'14 | 14°51'14 | 9°51'10 | 11°7'11 | 15°59'18 | 18°48'48 | M 5 |
| T 6 | 12 59 21 | 16°45'09 | 21°6'20 | 20°49'1 | 14°2'13 | 13°45'29 | 29°17'18 | 18°16'23 | 23°46'15 | 15°21'14 | 14°52'14 | 9°49'10 | 11°4'11 | 16°6'18 | 18°51'51 | T 6 |
| W 7 | 13 3 18 | 17°44'11 | 5°42'21 | 21°23'2 | 14°28'29 | 14°28'29 | 29°25'18 | 18°21'23 | 23°48'15 | 15°23'14 | 14°53'14 | 9°46'10 | 11°1'11 | 16°13'18 | 18°55'55 | W 7 |
| T 8 | 13 7 15 | 18°43'12 | 20°19'22 | 1°4'10 | 15°11'29 | 15°11'29 | 29°32'18 | 18°26'23 | 23°50'15 | 15°25'14 | 14°54'14 | 9°43'10 | 10°58'10 | 16°19'18 | 18°58'58 | T 8 |
| F 9 | 13 11 11 | 19°42'11 | 4°52'22 | 22°43'5 | 15°25'15 | 15°25'15 | 29°39'18 | 18°31'23 | 23°52'15 | 15°28'14 | 14°55'14 | 9°41'10 | 10°54'10 | 16°26'19 | 19°2'2 | F 9 |
| S 10 | 13 15 8 | 20°41'08 | 19°13'23 | 23°28'6 | 16°39'16 | 16°39'16 | 29°46'18 | 18°36'23 | 23°54'15 | 15°30'14 | 14°56'14 | 9°39'10 | 10°51'10 | 16°33'19 | 19°6'6 | S 10 |
| S 11 | 13 19 4 | 21°40'04 | 3°18'24 | 24°17'7 | 17°19'29 | 17°19'29 | 29°53'18 | 18°42'23 | 23°56'15 | 15°32'14 | 14°57'14 | 9°D38 | 10°48'10 | 16°40'19 | 19°9'9 | S 11 |
| M12 | 13 23 1 | 22°38'57 | 17°2'25 | 25°9'9 | 18°2'29 | 18°2'29 | 29°59'18 | 18°47'23 | 23°58'15 | 15°34'14 | 14°58'14 | 9°38'10 | 10°45'10 | 16°46'19 | 19°13'13 | M12 |
| T 13 | 13 26 57 | 23°37'48 | 0°11'23 | 26°4'10 | 18°45'29 | 18°45'29 | 30°6'18 | 18°53'24 | 24°0'15 | 15°37'14 | 14°59'14 | 9°39'10 | 10°42'10 | 16°53'19 | 19°17'17 | T 13 |
| W14 | 13 30 54 | 24°36'36 | 13°23'27 | 27°3'11 | 19°28'19 | 19°28'19 | 30°13'18 | 18°58'24 | 24°2'15 | 15°39'14 | 15°0'14 | 9°40'10 | 10°39'10 | 17°0'19 | 19°21'21 | W14 |
| T 15 | 13 34 50 | 25°35'23 | 26°1'28 | 28°4'12 | 20°10'0 | 20°10'0 | 30°19'19 | 19°4'24 | 24°4'15 | 15°41'14 | 15°1'14 | 9°41'10 | 10°35'10 | 17°6'19 | 19°25'25 | T 15 |
| F 16 | 13 38 47 | 26°34'08 | 8°22'29 | 29°7'14 | 20°53'0 | 20°53'0 | 30°25'19 | 19°10'24 | 24°6'15 | 15°43'14 | 15°1'14 | 9°42'10 | 10°32'10 | 17°13'19 | 19°28'28 | F 16 |
| S 17 | 13 42 43 | 27°32'50 | 20°29'0 | 30°14'15 | 21°35'0 | 21°35'0 | 30°31'19 | 19°15'24 | 24°9'15 | 15°46'14 | 15°2'14 | 9°43'10 | 10°29'10 | 17°20'19 | 19°32'32 | S 17 |
| S 18 | 13 46 40 | 28°31'30 | 2°12'22 | 16°31'22 | 22°18'0 | 22°18'0 | 30°37'19 | 19°21'24 | 24°11'15 | 15°48'14 | 15°3'14 | 9°R43 | 10°26'10 | 17°27'19 | 19°36'36 | S 18 |
| M19 | 13 50 37 | 29°30'07 | 14°20'2 | 17°45'23 | 23°0'0 | 23°0'0 | 30°42'19 | 19°27'24 | 24°13'15 | 15°50'14 | 15°4'14 | 9°43'10 | 10°23'10 | 17°33'19 | 19°40'40 | M19 |
| T 20 | 13 54 33 | 0°32'43 | 26°13'3 | 18°59'23 | 23°43'0 | 23°43'0 | 30°48'19 | 19°33'24 | 24°16'15 | 15°52'14 | 15°4'14 | 9°42'10 | 10°20'10 | 17°40'19 | 19°44'44 | T 20 |
| W21 | 13 58 30 | 1°27'16 | 8°11'5 | 20°13'24 | 24°25'0 | 24°25'0 | 30°53'19 | 19°39'24 | 24°18'15 | 15°55'14 | 15°5'14 | 9°41'10 | 10°16'10 | 17°47'19 | 19°48'48 | W21 |
| T 22 | 14 2 26 | 2°25'47 | 20°16'6 | 21°27'2 | 25°7'0 | 25°7'0 | 30°58'19 | 19°45'24 | 24°21'15 | 15°57'14 | 15°6'14 | 9°40'10 | 10°13'10 | 17°53'19 | 19°52'52 | T 22 |
| F 23 | 14 6 23 | 3°24'17 | 2°32'7 | 22°41'7 | 25°50'1 | 25°50'1 | 31°3'19 | 19°51'24 | 24°23'15 | 15°59'14 | 15°6'14 | 9°39'10 | 10°10'10 | 18°0'18 | 19°56'56 | F 23 |
| S 24 | 14 10 19 | 4°22'44 | 15°2'9 | 23°55'26 | 26°32'1 | 26°32'1 | 31°8'19 | 19°58'24 | 24°26'16 | 16°1'15 | 15°7'14 | 9°38'10 | 10°7'10 | 18°7'18 | 20°0'0 | S 24 |
| S 25 | 14 14 16 | 5°21'09 | 27°47'10 | 10°27'25 | 25°9'27 | 25°9'27 | 27°14'1 | 1°12'19 | 20°4'24 | 24°28'16 | 16°3'15 | 15°8'14 | 9°38'10 | 10°4'10 | 18°14'18 | S 25 |
| M26 | 14 18 12 | 6°19'32 | 10°14'7 | 11°53'26 | 26°23'27 | 26°23'27 | 27°56'1 | 1°17'19 | 20°10'24 | 24°31'16 | 16°5'15 | 15°8'14 | 9°D38 | 10°0'18 | 18°20'28 | M26 |
| T 27 | 14 22 9 | 7°17'53 | 24°2'24 | 13°21'27 | 27°37'28 | 27°37'28 | 28°38'1 | 1°21'19 | 20°17'24 | 24°34'16 | 16°8'15 | 15°9'14 | 9°38'10 | 9°57'18 | 20°12'27 | T 27 |
| W28 | 14 26 6 | 8°16'13 | 7°32'14 | 14°51'28 | 28°51'29 | 28°51'29 | 29°20'1 | 1°25'19 | 20°23'24 | 24°36'16 | 16°10'15 | 15°9'14 | 9°38'10 | 9°54'18 | 20°16'28 | W28 |
| T 29 | 14 30 2 | 9°14'31 | 21°15'16 | 16°22'08 | 5°20'12 | 5°20'12 | 29°29'24 | 1°29'29 | 20°29'24 | 24°39'16 | 16°12'15 | 15°10'14 | 9°R38 | 9°51'18 | 20°20'29 | T 29 |
| F 30 | 14 33 59 | 10°12'48 | 5°38'17 | 17°56'18 | 1°19'0 | 1°19'0 | 30°14'4 | 1°33'20 | 20°14'24 | 24°14'16 | 16°14'15 | 15°10'14 | 9°M38 | 9°M48 | 18°24'20 | F 30 |

ASTRODIENST EPHEMERIS for the year 2032

geocentric

MAY 2032

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|-------|-------|-------|---------|-------|---------|---------|--------|-------|-------|-------|---------|-------|------|
| S 1 | 14 37 55 | 11♈11'03 | 19♈10 | 19♈32 | 2♈33 | 1♈26 | 1♈36 | 20♈43 | 24♈45 | 16♈16 | 15♈10 | 9♈R38 | 9♈L45 | 18♈54 | 20♈28 | S 1 |
| S 2 | 14 41 52 | 12° 9'16 | 3♈19 | 21° 9 | 3°47 | 2° 8 | 1°39 | 20°49 | 24°47 | 16°18 | 15°11 | 9♈L38 | 9°41 | 19° 1 | 20°32 | S 2 |
| M 3 | 14 45 48 | 13° 7'28 | 17°32 | 22°48 | 5° 1 | 2°50 | 1°43 | 20°56 | 24°50 | 16°20 | 15°11 | 9°D38 | 9°38 | 19° 7 | 20°36 | M 3 |
| T 4 | 14 49 45 | 14° 5'39 | 1♈47 | 24°29 | 6°15 | 3°31 | 1°46 | 21° 3 | 24°53 | 16°22 | 15°11 | 9°38 | 9°35 | 19°14 | 20°40 | T 4 |
| W 5 | 14 53 41 | 15° 3'48 | 16° 1 | 26°12 | 7°29 | 4°13 | 1°49 | 21°10 | 24°56 | 16°24 | 15°12 | 9°38 | 9°32 | 19°21 | 20°44 | W 5 |
| T 6 | 14 57 38 | 16° 1'56 | 0♈11 | 27°57 | 8°43 | 4°55 | 1°51 | 21°16 | 24°59 | 16°26 | 15°12 | 9°39 | 9°29 | 19°28 | 20°48 | T 6 |
| F 7 | 15 1 35 | 17° 0'02 | 14°15 | 29°44 | 9°57 | 5°37 | 1°54 | 21°23 | 25° 2 | 16°29 | 15°12 | 9°39 | 9°26 | 19°34 | 20°52 | F 7 |
| S 8 | 15 5 31 | 17°58'07 | 28° 9 | 1♈32 | 11°11 | 6°18 | 1°56 | 21°30 | 25° 5 | 16°31 | 15°12 | 9°40 | 9°22 | 19°41 | 20°56 | S 8 |
| S 9 | 15 9 28 | 18°56'10 | 11♈50 | 3°23 | 12°24 | 7° 0 | 1°58 | 21°37 | 25° 8 | 16°33 | 15°13 | 9°R40 | 9°19 | 19°48 | 21° 0 | S 9 |
| M10 | 15 13 24 | 19°54'12 | 25°17 | 5°15 | 13°38 | 7°41 | 2° 0 | 21°44 | 25°11 | 16°34 | 15°13 | 9°40 | 9°16 | 19°54 | 21° 5 | M10 |
| T 11 | 15 17 21 | 20°52'12 | 8♈26 | 7°10 | 14°52 | 8°23 | 2° 2 | 21°51 | 25°14 | 16°36 | 15°13 | 9°39 | 9°13 | 20° 1 | 21° 9 | T 11 |
| W12 | 15 21 17 | 21°50'10 | 21°18 | 9° 6 | 16° 6 | 9° 4 | 2° 3 | 21°58 | 25°17 | 16°38 | 15°13 | 9°37 | 9°10 | 20° 8 | 21°13 | W12 |
| T 13 | 15 25 14 | 22°48'07 | 3♈54 | 11° 3 | 17°20 | 9°46 | 2° 5 | 22° 6 | 25°20 | 16°40 | 15°13 | 9°36 | 9° 6 | 20°15 | 21°17 | T 13 |
| F 14 | 15 29 10 | 23°46'02 | 16°14 | 13° 3 | 18°34 | 10°27 | 2° 6 | 22°13 | 25°23 | 16°42 | 15°13 | 9°34 | 9° 3 | 20°21 | 21°21 | F 14 |
| S 15 | 15 33 7 | 24°43'56 | 28°22 | 15° 5 | 19°48 | 11° 8 | 2° 7 | 22°20 | 25°27 | 16°44 | 15°13 | 9°32 | 9° 0 | 20°28 | 21°25 | S 15 |
| S 16 | 15 37 4 | 25°41'47 | 10♈20 | 17° 8 | 21° 1 | 11°49 | 2° 7 | 22°27 | 25°30 | 16°46 | 15°13 | 9°31 | 8°57 | 20°35 | 21°29 | S 16 |
| M17 | 15 41 0 | 26°39'37 | 22°14 | 19°13 | 22°15 | 12°31 | 2° 8 | 22°35 | 25°33 | 16°48 | 15°13 | 9°D30 | 8°54 | 20°42 | 21°33 | M17 |
| T 18 | 15 44 57 | 27°37'25 | 4♈8 | 21°19 | 23°29 | 13°12 | 2° 8 | 22°42 | 25°36 | 16°50 | 15°13 | 9°30 | 8°51 | 20°48 | 21°37 | T 18 |
| W19 | 15 48 53 | 28°35'12 | 16° 5 | 23°26 | 24°43 | 13°53 | 2° 9 | 22°49 | 25°40 | 16°51 | 15°13 | 9°31 | 8°47 | 20°55 | 21°41 | W19 |
| T 20 | 15 52 50 | 29°32'56 | 20°12 | 25°35 | 25°57 | 14°34 | 2°R 9 | 22°57 | 25°43 | 16°53 | 15°13 | 9°32 | 8°44 | 21° 2 | 21°46 | T 20 |
| F 21 | 15 56 46 | 0♈30'40 | 10♈31 | 27°45 | 27°10 | 15°15 | 2° 9 | 23° 4 | 25°46 | 16°55 | 15°13 | 9°34 | 8°41 | 21° 8 | 21°50 | F 21 |
| S 22 | 16 0 43 | 1°28'21 | 23° 8 | 29°56 | 28°24 | 15°56 | 2° 8 | 23°11 | 25°49 | 16°57 | 15°13 | 9°35 | 8°38 | 21°15 | 21°54 | S 22 |
| S 23 | 16 4 39 | 2°26'02 | 6♈4 | 2♈7 | 29°38 | 16°37 | 2° 8 | 23°19 | 25°53 | 16°59 | 15°13 | 9°R36 | 8°35 | 21°22 | 21°58 | S 23 |
| M24 | 16 8 36 | 3°23'40 | 19°20 | 4°19 | 0♈52 | 17°18 | 2° 7 | 23°26 | 25°56 | 17° 0 | 15°12 | 9°35 | 8°31 | 21°29 | 22° 2 | M24 |
| T 25 | 16 12 33 | 4°21'18 | 2♈57 | 6°31 | 2° 5 | 17°59 | 2° 6 | 23°34 | 25°59 | 17° 2 | 15°12 | 9°34 | 8°28 | 21°35 | 22° 6 | T 25 |
| W26 | 16 16 29 | 5°18'54 | 16°53 | 8°42 | 3°19 | 18°40 | 2° 5 | 23°41 | 26° 3 | 17° 4 | 15°12 | 9°31 | 8°25 | 21°42 | 22°10 | W26 |
| T 27 | 16 20 26 | 6°16'29 | 1♈3 | 10°53 | 4°33 | 19°20 | 2° 4 | 23°49 | 26° 6 | 17° 5 | 15°12 | 9°28 | 8°22 | 21°49 | 22°14 | T 27 |
| F 28 | 16 24 22 | 7°14'04 | 15°24 | 13° 4 | 5°47 | 20° 1 | 2° 2 | 23°57 | 26°10 | 17° 7 | 15°11 | 9°24 | 8°19 | 21°55 | 22°18 | F 28 |
| S 29 | 16 28 19 | 8°11'37 | 29°49 | 15°13 | 7° 1 | 20°42 | 2° 0 | 24° 4 | 26°13 | 17° 8 | 15°11 | 9°20 | 8°16 | 22° 2 | 22°22 | S 29 |
| S 30 | 16 32 15 | 9° 9'09 | 14°15 | 17°21 | 8°14 | 21°23 | 1°59 | 24°12 | 26°17 | 17°10 | 15°11 | 9°17 | 8°12 | 22° 9 | 22°26 | S 30 |
| M31 | 16 36 12 | 10♈6'40 | 28°35 | 19♈28 | 9♈28 | 22°II 3 | 1°57 | 24°II20 | 26°II20 | 17°Y12 | 15°10 | 9♈L16 | 8♈L 9 | 22°II16 | 22°30 | M31 |

Delta T = 69.84 sec

JUNE 2032

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|----------|--------|-------|-------|-------|-------|---------|---------|--------|--------|-------|-------|---------|-------|------|
| T 1 | 16 40 8 | 11♈4'11 | 12♈48 | 21♈33 | 10♈42 | 22♈44 | 1°R54 | 24♈27 | 26♈23 | 17°Y13 | 15°R10 | 9°D15 | 8♈L 6 | 22°II22 | 22°38 | T 1 |
| W 2 | 16 44 4 | 12° 1'41 | 26°51 | 23°36 | 11°55 | 23°24 | 1°52 | 24°35 | 26°27 | 17°15 | 15° 9 | 9♈L16 | 8° 3 | 22°29 | 22°38 | W 2 |
| T 3 | 16 48 2 | 12°59'10 | 10°Y42 | 25°37 | 13° 9 | 24° 5 | 1°49 | 24°33 | 26°30 | 17°16 | 15° 9 | 9°17 | 8° 0 | 22°36 | 22°42 | T 3 |
| F 4 | 16 51 58 | 13°56'38 | 24°22 | 27°36 | 14°23 | 24°45 | 1°46 | 24°50 | 26°34 | 17°18 | 15° 8 | 9°19 | 7°57 | 22°42 | 22°46 | F 4 |
| S 5 | 16 55 55 | 14°54'06 | 7♈50 | 29°33 | 15°37 | 25°26 | 1°44 | 24°58 | 26°37 | 17°19 | 15° 8 | 9°R19 | 7°53 | 22°49 | 22°49 | S 5 |
| S 6 | 16 59 51 | 15°51'33 | 21° 6 | 1♈27 | 16°50 | 26° 6 | 1°40 | 25° 6 | 26°41 | 17°20 | 15° 7 | 9°19 | 7°50 | 22°56 | 22°53 | S 6 |
| M 7 | 17 3 48 | 16°48'59 | 4♈10 | 3°19 | 18° 4 | 26°47 | 1°37 | 25°14 | 26°45 | 17°22 | 15° 7 | 9°16 | 7°47 | 23° 3 | 22°57 | M 7 |
| T 8 | 17 7 44 | 17°46'24 | 17° 1 | 5° 8 | 19°18 | 27°27 | 1°34 | 25°21 | 26°48 | 17°23 | 15° 6 | 9°12 | 7°44 | 23° 9 | 23° 1 | T 8 |
| W 9 | 17 11 41 | 18°43'49 | 29°40 | 6°55 | 20°32 | 28° 7 | 1°30 | 25°29 | 26°52 | 17°24 | 15° 6 | 9° 6 | 7°41 | 23°16 | 23° 5 | W 9 |
| T 10 | 17 15 37 | 19°41'13 | 12♈6 | 8°39 | 21°45 | 28°48 | 1°26 | 25°37 | 26°55 | 17°26 | 15° 5 | 9° 0 | 7°37 | 23°23 | 23° 9 | T 10 |
| F 11 | 17 19 34 | 20°38'36 | 24°21 | 10°21 | 22°59 | 29°28 | 1°22 | 25°45 | 26°59 | 17°27 | 15° 4 | 8°52 | 7°34 | 23°30 | 23°12 | F 11 |
| S 12 | 17 23 31 | 21°35'57 | 6♈25 | 12° 0 | 24°13 | 0♈8 | 1°18 | 25°53 | 27° 2 | 17°28 | 15° 4 | 8°45 | 7°31 | 23°36 | 23°16 | S 12 |
| S 13 | 17 27 27 | 22°33'18 | 18°22 | 13°37 | 25°27 | 0°48 | 1°14 | 26° 0 | 27° 6 | 17°29 | 15° 3 | 8°39 | 7°28 | 23°43 | 23°20 | S 13 |
| M14 | 17 31 24 | 23°30'38 | 0♈15 | 15°11 | 26°40 | 1°29 | 1° 9 | 26° 8 | 27° 9 | 17°30 | 15° 2 | 8°34 | 7°25 | 23°50 | 23°24 | M14 |
| T 15 | 17 35 20 | 24°27'57 | 12° 6 | 16°42 | 27°54 | 2° 9 | 1° 4 | 26°16 | 27°13 | 17°32 | 15° 1 | 8°32 | 7°22 | 23°56 | 23°27 | T 15 |
| W16 | 17 39 17 | 25°25'16 | 24° 2 | 18°10 | 29° 8 | 2°49 | 1° 0 | 26°24 | 27°17 | 17°33 | 15° 1 | 8°D31 | 7°18 | 24° 3 | 23°31 | W16 |
| T 17 | 17 43 13 | 26°22'33 | 6♈7 | 19°36 | 0♈22 | 3°29 | 0°55 | 26°32 | 27°20 | 17°34 | 15° 0 | 8°31 | 7°15 | 24°10 | 23°35 | T 17 |
| F 18 | 17 47 10 | 27°19'49 | 18°26 | 20°59 | 1°35 | 4° 9 | 0°49 | 26°39 | 27°24 | 17°35 | 14°59 | 8°32 | 7°12 | 24°17 | 23°38 | F 18 |
| S 19 | 17 51 6 | 28°17'05 | 1♈L 4 | 22°20 | 2°49 | 4°49 | 0°44 | 26°47 | 27°27 | 17°36 | 14°58 | 8°33 | 7° 9 | 24°23 | 23°42 | S 19 |
| S 20 | 17 55 3 | 29°14'20 | 14° 3 | 23°37 | 4° 3 | 5°29 | 0°39 | 26°55 | 27°31 | 17°37 | 14°57 | 8°R33 | 7° 6 | 24°30 | 23°45 | S 20 |
| M21 | 17 59 0 | 0♈11'35 | 27°29 | 24°52 | 5°16 | 6° 8 | 0°33 | 27° 3 | 27°34 | 17°38 | 14°57 | 8°32 | 7° 3 | 24°37 | 23°49 | M21 |
| T 22 | 18 2 56 | 1° 8'48 | 11♈20 | 26° 3 | 6°30 | 6°48 | 0°27 | 27°11 | 27°38 | 17°39 | 14°56 | 8°28 | 6°59 | 24°43 | 23°52 | T 22 |
| W23 | 18 6 53 | 2° 6'02 | 25°35 | 27°12 | 7°44 | 7°28 | 0°22 | 27°18 | 27°42 | 17°40 | 14°55 | 8°22 | 6°56 | 24°50 | 23°56 | W23 |
| T 24 | 18 10 49 | 3° 3'15 | 10♈10 | 28°18 | 8°57 | 8° 8 | 0°16 | 27°26 | 27°45 | 17°41 | 14°54 | 8°15 | 6°53 | 24°57 | 23°59 | T 24 |
| F 25 | 18 14 46 | 4° 0'27 | 24°57 | 29°20 | 10°11 | 8°48 | 0°10 | 27°34 | 27°49 | 17°41 | 14°53 | 8° 7 | 6°50 | 25° 4 | 24° 3 | F 25 |
| S 26 | 18 18 42 | 4°57'39 | 9♈48 | 0♈20 | 11°25 | 9°27 | 0° 3 | 27°42 | 27°52 | 17°42 | 14°52 | 7°58 | 6°47 | 25°10 | 24° 6 | S 26 |
| S 27 | 18 22 39 | 5°54'52 | 24°36 | 1°16 | 12°39 | 10° 7 | 29♈57 | 27°50 | 27°56 | 17°43 | 14°51 | 7°52 | 6°43 | 25°17 | 24° 9 | S 27 |
| M28 | 18 26 35 | 6°52'04 | 9♈13 | 2° 8 | 13°52 | 10°47 | 29°51 | 27°57 | 27°59 | 17°44 | 14°50 | 7°47 | 6°40 | 25°24 | 24°13 | M28 |
| T 29 | 18 30 32 | 7°49'16 | 23°33 | 2°57 | 15° 6 | 11°26 | 29°44 | 28° 5 | 28° 3 | 17°45 | 14°49 | 7°44 | 6°37 | 25°30 | 24°16 | T 29 |
| W30 | 18 34 29 | 8°46'28 | 7°Y36 | 3♈43 | 16°20 | 12°26 | 29♈37 | 28°II13 | 28°II 7 | 17°Y45 | 14°48 | 7°D43 | 6♈L34 | 25°II37 | 24°19 | W30 |

Delta T = 69.86 sec

ASTRODIENST EPHEMERIS for the year 2032
geocentric

JULY 2032

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|---------------------|---------------------|------|
| T 1 | 18 38 25 | 9 ⁵⁴ 34'41 | 21 ¹⁹ 19 | 4 ²⁵ 25 | 17 ³³ 33 | 12 ⁴⁶ 46 | 29 ³¹ 31 | 28 ¹¹ 21 | 28 ¹¹ 10 | 17 ⁴⁶ 46 | 14 ⁴⁷ 47 | 7 ⁴³ 43 | 6 ³¹ 31 | 25 ⁴⁴ 44 | 24 ²² 22 | T 1 |
| F 2 | 18 42 22 | 10 ⁴⁰ 53 | 4 ⁴⁵ 45 | 5° 2 | 18°47 | 13°25 | 29 ²⁴ 24 | 28°28 | 28°14 | 17°47 | 14 ⁴⁶ 46 | 7°44 | 6°28 | 25°51 | 24°25 | F 2 |
| S 3 | 18 46 18 | 11°38'06 | 17°55 | 5°36 | 20° 1 | 14° 5 | 29°17 | 28°36 | 28°17 | 17°47 | 14°45 | 7°43 | 6°24 | 25°57 | 24°29 | S 3 |
| S 4 | 18 50 15 | 12°35'19 | 0 ¹¹ 51 | 6° 6 | 21°15 | 14°44 | 29°10 | 28°44 | 28°21 | 17°48 | 14°44 | 7°41 | 6°21 | 26° 4 | 24°32 | S 4 |
| M 5 | 18 54 11 | 13°32'32 | 13°35 | 6°32 | 22°28 | 15°24 | 29° 3 | 28°51 | 28°24 | 17°48 | 14°43 | 7°36 | 6°18 | 26°11 | 24°35 | M 5 |
| T 6 | 18 58 8 | 14°29'46 | 26° 8 | 6°53 | 23°42 | 16° 3 | 28°55 | 28°59 | 28°28 | 17°49 | 14°41 | 7°29 | 6°15 | 26°17 | 24°38 | T 6 |
| W 7 | 19 2 5 | 15°26'59 | 8 ³¹ 31 | 7°10 | 24°56 | 16°42 | 28°48 | 29° 7 | 28°31 | 17°49 | 14°40 | 7°19 | 6°12 | 26°24 | 24°41 | W 7 |
| T 8 | 19 6 1 | 16°24'13 | 20°46 | 7°22 | 26° 9 | 17°22 | 28°41 | 29°14 | 28°34 | 17°50 | 14°39 | 7° 7 | 6° 9 | 26°31 | 24°44 | T 8 |
| F 9 | 19 9 58 | 17°21'26 | 2 ⁵² 52 | 7°30 | 27°23 | 18° 1 | 28°33 | 29°22 | 28°38 | 17°50 | 14°38 | 6°55 | 6° 5 | 26°38 | 24°46 | F 9 |
| S 10 | 19 13 54 | 18°18'40 | 14°51 | 7°R33 | 28°37 | 18°41 | 28°26 | 29°29 | 28°41 | 17°50 | 14°37 | 6°42 | 6° 2 | 26°44 | 24°49 | S 10 |
| S 11 | 19 17 51 | 19°15'54 | 26°45 | 7°31 | 29°51 | 19°20 | 28°18 | 29°37 | 28°45 | 17°51 | 14°36 | 6°31 | 5°59 | 26°51 | 24°52 | S 11 |
| M12 | 19 21 47 | 20°13'07 | 8 ³⁵ 35 | 7°24 | 1 ⁴ 4 | 19°59 | 28°11 | 29°44 | 28°48 | 17°51 | 14°34 | 6°23 | 5°56 | 26°58 | 24°55 | M12 |
| T 13 | 19 25 44 | 21°10'21 | 20°25 | 7°13 | 2°18 | 20°38 | 28° 3 | 29°52 | 28°52 | 17°51 | 14°33 | 6°16 | 5°53 | 27° 4 | 24°57 | T 13 |
| W14 | 19 29 40 | 22° 7'35 | 2 ⁴⁰ 40 | 6°57 | 3°32 | 21°18 | 27°56 | 29°59 | 28°55 | 17°52 | 14°32 | 6°12 | 5°49 | 27°11 | 25° 0 | W14 |
| T 15 | 19 33 37 | 23° 4'49 | 14°22 | 6°37 | 4°45 | 21°57 | 27°48 | 0 ⁷ 7 | 28°58 | 17°52 | 14°31 | 6°11 | 5°46 | 27°18 | 25° 3 | T 15 |
| F 16 | 19 37 33 | 24° 2'03 | 26°38 | 6°12 | 5°59 | 22°36 | 27°40 | 0°14 | 29° 2 | 17°52 | 14°29 | 6°D11 | 5°43 | 27°25 | 25° 5 | F 16 |
| S 17 | 19 41 30 | 24°59'17 | 9 ¹³ 13 | 5°44 | 7°13 | 23°15 | 27°32 | 0°21 | 29° 5 | 17°52 | 14°28 | 6°R11 | 5°40 | 27°31 | 25° 8 | S 17 |
| S 18 | 19 45 27 | 25°56'31 | 22°11 | 5°11 | 8°27 | 23°54 | 27°25 | 0°29 | 29° 8 | 17°52 | 14°27 | 6°10 | 5°37 | 27°38 | 25°10 | S 18 |
| M19 | 19 49 23 | 26°53'45 | 5 ³⁶ 36 | 4°36 | 9°40 | 24°33 | 27°17 | 0°36 | 29°11 | 17°52 | 14°26 | 6° 7 | 5°34 | 27°45 | 25°13 | M19 |
| T 20 | 19 53 20 | 27°51'00 | 19°30 | 3°58 | 10°54 | 25°12 | 27° 9 | 0°43 | 29°15 | 17°52 | 14°24 | 6° 2 | 5°30 | 27°51 | 25°15 | T 20 |
| W21 | 19 57 16 | 28°48'15 | 3 ⁵³ 53 | 3°18 | 12° 8 | 25°51 | 27° 1 | 0°51 | 29°18 | 17°R52 | 14°23 | 5°55 | 5°27 | 27°58 | 25°18 | W21 |
| T 22 | 20 1 13 | 29°45'30 | 18°41 | 2°37 | 13°21 | 26°30 | 26°54 | 0°58 | 29°21 | 17°52 | 14°22 | 5°45 | 5°24 | 28° 5 | 25°20 | T 22 |
| F 23 | 20 5 9 | 0 ⁴² 42 | 3 ⁴⁵ 45 | 1°55 | 14°35 | 27° 9 | 26°46 | 1° 5 | 29°24 | 17°52 | 14°20 | 5°35 | 5°21 | 28°12 | 25°22 | F 23 |
| S 24 | 20 9 6 | 1°40'02 | 18°57 | 1°13 | 15°49 | 27°48 | 26°38 | 1°12 | 29°28 | 17°52 | 14°19 | 5°24 | 5°18 | 28°18 | 25°24 | S 24 |
| S 25 | 20 13 3 | 2°37'19 | 4 ⁵ 5 | 0°32 | 17° 2 | 28°27 | 26°31 | 1°19 | 29°31 | 17°52 | 14°18 | 5°15 | 5°15 | 28°25 | 25°26 | S 25 |
| M26 | 20 16 59 | 3°34'36 | 19° 0 | 29 ⁵² 52 | 18°16 | 29° 6 | 26°23 | 1°26 | 29°34 | 17°52 | 14°16 | 5° 8 | 5°11 | 28°32 | 25°28 | M26 |
| T 27 | 20 20 56 | 4°31'55 | 3 ³⁵ 35 | 29°15 | 19°30 | 29°45 | 26°15 | 1°33 | 29°37 | 17°52 | 14°15 | 5° 3 | 5° 8 | 28°38 | 25°31 | T 27 |
| W28 | 20 24 52 | 5°29'14 | 17°45 | 28°41 | 20°43 | 0 ²⁴ 24 | 26° 8 | 1°40 | 29°40 | 17°51 | 14°14 | 5° 1 | 5° 5 | 28°45 | 25°33 | W28 |
| T 29 | 20 28 49 | 6°26'35 | 1 ³¹ 31 | 28°10 | 21°57 | 1° 2 | 26° 0 | 1°47 | 29°43 | 17°51 | 14°12 | 5° 1 | 5° 2 | 28°52 | 25°34 | T 29 |
| F 30 | 20 32 45 | 7°23'57 | 14°54 | 27°43 | 23°11 | 1°41 | 25°53 | 1°54 | 29°46 | 17°51 | 14°11 | 5° 1 | 4°59 | 28°59 | 25°36 | F 30 |
| S 31 | 20 36 42 | 8 ²¹ 21 | 19 | 27 ⁵⁶ 56 | 27 ²² 22 | 24 ²⁴ 24 | 2 ²⁰ 20 | 25 ³⁴ 34 | 2 ²⁸ 28 | 17 ⁵¹ 51 | 14 ¹⁰ 10 | 5 ¹¹ 11 | 4 ¹¹ 11 | 29 ⁴ 4 | 25 ³⁸ 38 | S 31 |

Delta T = 69.88 sec

AUGUST 2032

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|-----------------------|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|--------------------|---------------------|---------------------|------|
| S 1 | 20 40 38 | 9 ¹⁸ 18'43 | 10 ¹¹ 41 | 27°R 5 | 25 ³⁸ 38 | 2 ⁵⁹ 59 | 25°R38 | 2 ²⁸ 28 | 29 ¹¹ 52 | 17°R50 | 14°R 8 | 4°R57 | 4 ¹¹ 52 | 29 ¹² 12 | 25 ⁴⁰ 40 | S 1 |
| M 2 | 20 44 35 | 10°16'08 | 23°11 | 26°54 | 26°52 | 3°38 | 25 ³¹ 31 | 2°14 | 29°55 | 17°Y50 | 14 ⁷ 7 | 4 ¹¹ 52 | 4°49 | 29°19 | 25°42 | M 2 |
| T 3 | 20 48 32 | 11°13'35 | 5 ³¹ 31 | 26°D49 | 28° 5 | 4°16 | 25°23 | 2°21 | 29°58 | 17°50 | 14° 6 | 4°44 | 4°46 | 29°25 | 25°43 | T 3 |
| W 4 | 20 52 28 | 12°11'02 | 17°42 | 26°51 | 29°19 | 4°55 | 25°16 | 2°28 | 0 ¹ 1 | 17°49 | 14° 4 | 4°33 | 4°43 | 29°32 | 25°45 | W 4 |
| T 5 | 20 56 25 | 13° 8'30 | 29°45 | 26°59 | 0 ³³ 33 | 5°34 | 25° 9 | 2°34 | 0° 4 | 17°49 | 14° 3 | 4°20 | 4°40 | 29°39 | 25°47 | T 5 |
| F 6 | 21 0 21 | 14° 5'59 | 11 ⁴⁴ 44 | 27°13 | 1°46 | 6°12 | 25° 2 | 2°41 | 0° 6 | 17°48 | 14° 2 | 4° 6 | 4°36 | 29°46 | 25°48 | F 6 |
| S 7 | 21 4 18 | 15° 3'29 | 23°38 | 27°34 | 3° 0 | 6°51 | 24°55 | 2°47 | 0° 9 | 17°48 | 14° 0 | 3°53 | 4°33 | 29°52 | 25°50 | S 7 |
| S 8 | 21 8 14 | 16° 1'00 | 5 ²⁹ 29 | 28° 2 | 4°14 | 7°30 | 24°49 | 2°54 | 0°12 | 17°47 | 13°59 | 3°41 | 4°30 | 29°59 | 25°51 | S 8 |
| M 9 | 21 12 11 | 16°58'32 | 17°18 | 28°36 | 5°27 | 8° 8 | 24°42 | 3° 0 | 0°15 | 17°46 | 13°57 | 3°31 | 4°27 | 0 ⁶ 6 | 25°52 | M 9 |
| T 10 | 21 16 7 | 17°56'05 | 29° 9 | 29°17 | 6°41 | 8°47 | 24°35 | 3° 7 | 0°17 | 17°46 | 13°56 | 3°23 | 4°24 | 0°12 | 25°54 | T 10 |
| W11 | 21 20 4 | 18°53'39 | 11 ⁴ 4 | 0 ⁵ 5 | 7°55 | 9°25 | 24°29 | 3°13 | 0°20 | 17°45 | 13°55 | 3°19 | 4°21 | 0°19 | 25°55 | W11 |
| T 12 | 21 24 0 | 19°51'14 | 23° 7 | 0°59 | 9° 8 | 10° 4 | 24°23 | 3°19 | 0°23 | 17°44 | 13°53 | 3°17 | 4°17 | 0°26 | 25°56 | T 12 |
| F 13 | 21 27 57 | 20°48'50 | 5 ²³ 23 | 1°59 | 10°22 | 10°42 | 24°16 | 3°25 | 0°25 | 17°44 | 13°52 | 3°D17 | 4°14 | 0°32 | 25°57 | F 13 |
| S 14 | 21 31 54 | 21°46'27 | 17°55 | 3° 6 | 11°35 | 11°21 | 24°10 | 3°31 | 0°28 | 17°43 | 13°51 | 3°R17 | 4°11 | 0°39 | 25°58 | S 14 |
| S 15 | 21 35 50 | 22°44'04 | 0 ⁴⁹ 49 | 4°18 | 12°49 | 11°59 | 24° 4 | 3°37 | 0°30 | 17°42 | 13°49 | 3°17 | 4° 8 | 0°46 | 25°59 | S 15 |
| M16 | 21 39 47 | 23°41'43 | 14° 9 | 5°36 | 14° 3 | 12°38 | 23°59 | 3°43 | 0°33 | 17°41 | 13°48 | 3°15 | 4° 5 | 0°53 | 26° 0 | M16 |
| T 17 | 21 43 43 | 24°39'23 | 27°58 | 6°59 | 15°16 | 13°16 | 23°53 | 3°49 | 0°35 | 17°41 | 13°47 | 3°11 | 4° 1 | 0°59 | 26° 1 | T 17 |
| W18 | 21 47 40 | 25°37'04 | 12 ¹⁶ 16 | 8°28 | 16°30 | 13°55 | 23°47 | 3°55 | 0°37 | 17°40 | 13°45 | 3° 5 | 3°58 | 1° 6 | 26° 2 | W18 |
| T 19 | 21 51 36 | 26°34'45 | 27° 2 | 10° 1 | 17°43 | 14°33 | 23°42 | 4° 1 | 0°40 | 17°39 | 13°44 | 2°57 | 3°55 | 1°13 | 26° 2 | T 19 |
| F 20 | 21 55 33 | 27°32'28 | 12 ⁸ 8 | 11°39 | 18°57 | 15°11 | 23°37 | 4° 7 | 0°42 | 17°38 | 13°43 | 2°48 | 3°52 | 1°19 | 26° 3 | F 20 |
| S 21 | 21 59 29 | 28°30'13 | 27°26 | 13°20 | 20°10 | 15°50 | 23°31 | 4°12 | 0°44 | 17°37 | 13°41 | 2°38 | 3°49 | 1°26 | 26° 4 | S 21 |
| S 22 | 22 3 26 | 29°27'58 | 12 ⁴⁴ 44 | 15° 5 | 21°24 | 16°28 | 23°27 | 4°18 | 0°47 | 17°36 | 13°40 | 2°30 | 3°46 | 1°33 | 26° 4 | S 22 |
| M23 | 22 7 23 | 0 ²⁵ 25 | 17°55 | 16°53 | 22°37 | 17° 6 | 23°22 | 4°23 | 0°49 | 17°35 | 13°39 | 2°24 | 3°42 | 1°40 | 26° 5 | M23 |
| T 24 | 22 11 19 | 1°23'34 | 12 ⁴⁰ 40 | 18°44 | 23°51 | 17°45 | 23°17 | 4°29 | 0°51 | 17°34 | 13°38 | 2°20 | 3°39 | 1°46 | 26° 5 | T 24 |
| W25 | 22 15 16 | 2°21'24 | 27° 2 | 20°37 | 25° 4 | 18°23 | 23°13 | 4°34 | 0°53 | 17°33 | 13°36 | 2°D19 | 3°36 | 1°53 | 26° 6 | W25 |
| T 26 | 22 19 12 | 3°19'16 | 10 ⁸ 8 | 22°32 | 26°18 | 19° 1 | 23° 8 | 4°39 | 0°55 | 17°32 | 13°35 | 2°19 | 3°33 | 2° 0 | 26° 6 | T 26 |
| F 27 | 22 23 9 | 4°17'10 | 24°25 | 24°28 | 27°31 | 19°40 | 23° 4 | 4°45 | 0°57 | 17°31 | 13°34 | 2°19 | 3°30 | 2° 6 | 26° 6 | F 27 |
| S 28 | 22 27 5 | 5°15'06 | 7 ²⁸ 28 | 26°25 | 28°45 | 20°18 | 23° 0 | 4°50 | 0°59 | 17°30 | 13°32 | 2°R20 | 3°26 | 2°13 | 26° 6 | S 28 |
| S 29 | 22 31 2 | 6°13'03 | 20°10 | 28°23 | 29°58 | 20°56 | 22°56 | 4°55 | 1° 1 | 17°29 | 13°31 | 2°19 | 3°23 | 2°20 | 26° 7 | S 29 |
| M30 | 22 34 58 | 7°11'03 | 2 ³⁵ 35 | 0 ²¹ 21 | 1 ¹¹ 11 | 21°34 | 22°53 | 5° 0 | 1° 3 | 17°27 | 13°30 | 2°16 | 3°20 | 2°27 | 26° 7 | M30 |
| T 31 | 22 38 55 | 8 ⁹ 9 | 14 ⁴⁸ 48 | 2 ²⁰ 20 | 2 ²⁵ 25 | 22 ¹² 12 | 22 ³⁴ 34 | 5 ²⁸ 28 | 1 ⁵ 5 | 17 ²⁶ 26 | 13 ²⁹ 29 | 2 ¹¹ 11 | 3 ¹¹ 11 | 2 ³³ 33 | 26°R 7 | T 31 |

Delta T = 69.90 sec

ASTRODIENST EPHEMERIS for the year 2032

geocentric

SEPTEMBER 2032

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|----------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|---------------------|---------------------|--------------------|--------------------|--------------------|---------------------|------|
| W 1 | 22 42 52 | 9 ^h 7'07" | 26 ^h 51' | 4 ^h 18' | 3 ^h 38' | 22 ^h 51' | 22 ^h 46' | 5 ^h 10' | 1 ^h 7' | 17 ^h 25' | 13 ^h 28' | 2 ^h 3' | 3 ^h 14' | 2 ^h 40' | 26 ^h 7' | W 1 |
| T 2 | 22 46 48 | 10 ^h 5'12" | 8 ^h 48' | 6 ^h 16' | 4 ^h 52' | 23 ^h 29' | 22 ^h 43' | 5 ^h 14' | 1 ^h 9' | 17 ^h 24' | 13 ^h 26' | 1 ^h 54' | 3 ^h 11' | 2 ^h 47' | 26 ^h 8' | T 2 |
| F 3 | 22 50 45 | 11 ^h 3'19" | 20 ^h 41' | 8 ^h 13' | 6 ^h 5' | 24 ^h 7' | 22 ^h 40' | 5 ^h 19' | 1 ^h 10' | 17 ^h 23' | 13 ^h 25' | 1 ^h 44' | 3 ^h 7' | 2 ^h 53' | 26 ^h 6' | F 3 |
| S 4 | 22 54 41 | 12 ^h 1'27" | 2 ^h 32' | 10 ^h 10' | 7 ^h 18' | 24 ^h 45' | 22 ^h 37' | 5 ^h 24' | 1 ^h 12' | 17 ^h 21' | 13 ^h 24' | 1 ^h 34' | 3 ^h 4' | 3 ^h 0' | 26 ^h 6' | S 4 |
| S 5 | 22 58 38 | 12 ^h 59'37" | 14 ^h 23' | 12 ^h 6' | 8 ^h 32' | 25 ^h 23' | 22 ^h 35' | 5 ^h 28' | 1 ^h 14' | 17 ^h 20' | 13 ^h 23' | 1 ^h 26' | 3 ^h 1' | 3 ^h 7' | 26 ^h 6' | S 5 |
| M 6 | 23 2 34 | 13 ^h 57'49" | 26 ^h 15' | 14 ^h 1' | 9 ^h 45' | 26 ^h 1' | 22 ^h 32' | 5 ^h 33' | 1 ^h 15' | 17 ^h 19' | 13 ^h 22' | 1 ^h 19' | 2 ^h 58' | 3 ^h 13' | 26 ^h 5' | M 6 |
| T 7 | 23 6 31 | 14 ^h 56'02" | 8 ^h 11' | 15 ^h 55' | 10 ^h 58' | 26 ^h 39' | 22 ^h 30' | 5 ^h 37' | 1 ^h 17' | 17 ^h 17' | 13 ^h 21' | 1 ^h 14' | 2 ^h 55' | 3 ^h 20' | 26 ^h 5' | T 7 |
| W 8 | 23 10 27 | 15 ^h 54'18" | 20 ^h 12' | 17 ^h 48' | 12 ^h 12' | 27 ^h 18' | 22 ^h 28' | 5 ^h 41' | 1 ^h 18' | 17 ^h 16' | 13 ^h 19' | 1 ^h 11' | 2 ^h 52' | 3 ^h 27' | 26 ^h 5' | W 8 |
| T 9 | 23 14 24 | 16 ^h 52'34" | 2 ^h 11' | 19 ^h 40' | 13 ^h 25' | 27 ^h 56' | 22 ^h 26' | 5 ^h 45' | 1 ^h 20' | 17 ^h 15' | 13 ^h 18' | 1 ^h 10' | 2 ^h 48' | 3 ^h 34' | 26 ^h 4' | T 9 |
| F 10 | 23 18 21 | 17 ^h 50'53" | 14 ^h 42' | 21 ^h 31' | 14 ^h 38' | 28 ^h 34' | 22 ^h 25' | 5 ^h 49' | 1 ^h 21' | 17 ^h 13' | 13 ^h 17' | 1 ^h 11' | 2 ^h 45' | 3 ^h 40' | 26 ^h 3' | F 10 |
| S 11 | 23 22 17 | 18 ^h 49'13" | 27 ^h 17' | 23 ^h 21' | 15 ^h 52' | 29 ^h 12' | 22 ^h 23' | 5 ^h 53' | 1 ^h 23' | 17 ^h 12' | 13 ^h 16' | 1 ^h 13' | 2 ^h 42' | 3 ^h 47' | 26 ^h 3' | S 11 |
| S 12 | 23 26 14 | 19 ^h 47'34" | 10 ^h 11' | 25 ^h 9' | 17 ^h 5' | 29 ^h 50' | 22 ^h 22' | 5 ^h 57' | 1 ^h 24' | 17 ^h 10' | 13 ^h 15' | 1 ^h 14' | 2 ^h 39' | 3 ^h 54' | 26 ^h 2' | S 12 |
| M 13 | 23 30 10 | 20 ^h 45'57" | 23 ^h 27' | 26 ^h 57' | 18 ^h 18' | 0 ^h 28' | 22 ^h 21' | 6 ^h 1' | 1 ^h 25' | 17 ^h 9' | 13 ^h 14' | 1 ^h 14' | 2 ^h 36' | 4 ^h 0' | 26 ^h 1' | M 13 |
| T 14 | 23 34 7 | 21 ^h 44'22" | 7 ^h 8' | 28 ^h 43' | 19 ^h 31' | 1 ^h 6' | 22 ^h 20' | 6 ^h 5' | 1 ^h 26' | 17 ^h 7' | 13 ^h 13' | 1 ^h 13' | 2 ^h 32' | 4 ^h 7' | 26 ^h 0' | T 14 |
| W 15 | 23 38 3 | 22 ^h 42'48" | 21 ^h 15' | 0 ^h 29' | 20 ^h 44' | 1 ^h 44' | 22 ^h 19' | 6 ^h 8' | 1 ^h 27' | 17 ^h 6' | 13 ^h 12' | 1 ^h 10' | 2 ^h 29' | 4 ^h 14' | 26 ^h 0' | W 15 |
| T 16 | 23 42 0 | 23 ^h 41'16" | 5 ^h 48' | 2 ^h 13' | 21 ^h 58' | 2 ^h 22' | 22 ^h 19' | 6 ^h 12' | 1 ^h 29' | 17 ^h 4' | 13 ^h 11' | 1 ^h 6' | 2 ^h 26' | 4 ^h 20' | 25 ^h 59' | T 16 |
| F 17 | 23 45 56 | 24 ^h 39'46" | 20 ^h 41' | 3 ^h 56' | 23 ^h 11' | 2 ^h 59' | 22 ^h 19' | 6 ^h 15' | 1 ^h 30' | 17 ^h 3' | 13 ^h 10' | 1 ^h 1' | 2 ^h 23' | 4 ^h 27' | 25 ^h 58' | F 17 |
| S 18 | 23 49 53 | 25 ^h 38'17" | 5 ^h 48' | 5 ^h 39' | 24 ^h 24' | 3 ^h 37' | 22 ^h 19' | 6 ^h 19' | 1 ^h 31' | 17 ^h 1' | 13 ^h 9' | 0 ^h 56' | 2 ^h 20' | 4 ^h 34' | 25 ^h 57' | S 18 |
| S 19 | 23 53 49 | 26 ^h 36'50" | 21 ^h 0' | 7 ^h 20' | 25 ^h 37' | 4 ^h 15' | 22 ^h 19' | 6 ^h 22' | 1 ^h 32' | 17 ^h 0' | 13 ^h 8' | 0 ^h 51' | 2 ^h 17' | 4 ^h 41' | 25 ^h 55' | S 19 |
| M 20 | 23 57 46 | 27 ^h 35'24" | 6 ^h 9' | 9 ^h 0' | 26 ^h 50' | 4 ^h 53' | 22 ^h 19' | 6 ^h 25' | 1 ^h 33' | 16 ^h 58' | 13 ^h 8' | 0 ^h 48' | 2 ^h 13' | 4 ^h 47' | 25 ^h 54' | M 20 |
| T 21 | 0 1 43 | 28 ^h 34'01" | 20 ^h 57' | 10 ^h 39' | 28 ^h 3' | 5 ^h 31' | 22 ^h 20' | 6 ^h 28' | 1 ^h 33' | 16 ^h 57' | 13 ^h 7' | 0 ^h 46' | 2 ^h 10' | 4 ^h 54' | 25 ^h 53' | T 21 |
| W 22 | 0 5 39 | 29 ^h 32'40" | 5 ^h 27' | 12 ^h 17' | 29 ^h 16' | 6 ^h 9' | 22 ^h 20' | 6 ^h 31' | 1 ^h 34' | 16 ^h 55' | 13 ^h 6' | 0 ^h 46' | 2 ^h 7' | 5 ^h 1' | 25 ^h 52' | W 22 |
| T 23 | 0 9 36 | 0 ^h 31'21" | 19 ^h 30' | 13 ^h 54' | 0 ^h 129' | 6 ^h 47' | 22 ^h 21' | 6 ^h 34' | 1 ^h 35' | 16 ^h 54' | 13 ^h 5' | 0 ^h 47' | 2 ^h 4' | 5 ^h 7' | 25 ^h 50' | T 23 |
| F 24 | 0 13 32 | 1 ^h 30'04" | 3 ^h 11' | 15 ^h 30' | 1 ^h 42' | 7 ^h 25' | 22 ^h 22' | 6 ^h 37' | 1 ^h 36' | 16 ^h 52' | 13 ^h 4' | 0 ^h 48' | 2 ^h 1' | 5 ^h 14' | 25 ^h 49' | F 24 |
| S 25 | 0 17 29 | 2 ^h 28'50" | 16 ^h 15' | 17 ^h 6' | 2 ^h 55' | 8 ^h 3' | 22 ^h 24' | 6 ^h 39' | 1 ^h 36' | 16 ^h 50' | 13 ^h 3' | 0 ^h 50' | 1 ^h 58' | 5 ^h 21' | 25 ^h 47' | S 25 |
| S 26 | 0 21 25 | 3 ^h 27'38" | 29 ^h 2' | 18 ^h 40' | 4 ^h 8' | 8 ^h 40' | 22 ^h 25' | 6 ^h 42' | 1 ^h 37' | 16 ^h 49' | 13 ^h 3' | 0 ^h 51' | 1 ^h 54' | 5 ^h 27' | 25 ^h 46' | S 26 |
| M 27 | 0 25 22 | 4 ^h 26'28" | 11 ^h 28' | 20 ^h 13' | 5 ^h 21' | 9 ^h 18' | 22 ^h 27' | 6 ^h 44' | 1 ^h 37' | 16 ^h 47' | 13 ^h 2' | 0 ^h 51' | 1 ^h 51' | 5 ^h 34' | 25 ^h 44' | M 27 |
| T 28 | 0 29 18 | 5 ^h 25'20" | 23 ^h 40' | 21 ^h 46' | 6 ^h 34' | 9 ^h 56' | 22 ^h 29' | 6 ^h 47' | 1 ^h 38' | 16 ^h 46' | 13 ^h 1' | 0 ^h 49' | 1 ^h 48' | 5 ^h 41' | 25 ^h 43' | T 28 |
| W 29 | 0 33 15 | 6 ^h 24'14" | 5 ^h 40' | 23 ^h 17' | 7 ^h 47' | 10 ^h 34' | 22 ^h 31' | 6 ^h 49' | 1 ^h 38' | 16 ^h 44' | 13 ^h 0' | 0 ^h 47' | 1 ^h 45' | 5 ^h 48' | 25 ^h 41' | W 29 |
| T 30 | 0 37 12 | 7 ^h 23'11" | 17 ^h 34' | 24 ^h 48' | 9 ^h 0' | 11 ^h 12' | 22 ^h 33' | 6 ^h 51' | 1 ^h 39' | 16 ^h 42' | 13 ^h 0' | 0 ^h 44' | 1 ^h 42' | 5 ^h 54' | 25 ^h 39' | T 30 |

Delta T = 69.93 sec

OCTOBER 2032

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|-------|-------|-------|-------|-------|------|------|-------|-------|------|------|------|-------|------|
| F 1 | 0 41 8 | 8♂22'10 | 29♂25 | 26♂18 | 10♂13 | 11♂49 | 22♂35 | 6♂53 | 1♂39 | 16♂41 | 12♂59 | 0♂40 | 1♂38 | 6♂1 | 25♂37 | F 1 |
| S 2 | 0 45 5 | 9♂21'11 | 11♂16 | 27♂47 | 11♂26 | 12♂27 | 22♂38 | 6♂55 | 1♂39 | 16♂39 | 12♂58 | 0♂36 | 1♂35 | 6♂8 | 25♂36 | S 2 |
| S 3 | 0 49 1 | 10♂20'14 | 23♂9 | 29♂15 | 12♂39 | 13♂5 | 22♂41 | 6♂57 | 1♂40 | 16♂37 | 12♂58 | 0♂33 | 1♂32 | 6♂14 | 25♂34 | S 3 |
| M 4 | 0 52 58 | 11♂19'20 | 5♂7 | 0♂42 | 13♂51 | 13♂43 | 22♂44 | 6♂59 | 1♂40 | 16♂36 | 12♂57 | 0♂30 | 1♂29 | 6♂21 | 25♂32 | M 4 |
| T 5 | 0 56 54 | 12♂18'27 | 17♂12 | 2♂8 | 15♂4 | 14♂20 | 22♂47 | 7♂0 | 1♂40 | 16♂34 | 12♂57 | 0♂29 | 1♂26 | 6♂28 | 25♂30 | T 5 |
| W 6 | 1 0 51 | 13♂17'37 | 29♂25 | 3♂33 | 16♂17 | 14♂58 | 22♂50 | 7♂2 | 1♂40 | 16♂32 | 12♂56 | 0♂28 | 1♂23 | 6♂34 | 25♂28 | W 6 |
| T 7 | 1 4 47 | 14♂16'48 | 11♂48 | 4♂57 | 17♂30 | 15♂36 | 22♂54 | 7♂3 | 1♂40 | 16♂31 | 12♂56 | 0♂29 | 1♂19 | 6♂41 | 25♂26 | T 7 |
| F 8 | 1 8 44 | 15♂16'02 | 24♂23 | 6♂20 | 18♂42 | 16♂13 | 22♂58 | 7♂4 | 1♂40 | 16♂29 | 12♂55 | 0♂30 | 1♂16 | 6♂48 | 25♂23 | F 8 |
| S 9 | 1 12 41 | 16♂15'17 | 7♂10 | 7♂43 | 19♂55 | 16♂51 | 23♂2 | 7♂6 | 1♂40 | 16♂27 | 12♂55 | 0♂31 | 1♂13 | 6♂55 | 25♂21 | S 9 |
| S 10 | 1 16 37 | 17♂14'34 | 20♂13 | 9♂4 | 21♂8 | 17♂29 | 23♂6 | 7♂7 | 1♂40 | 16♂26 | 12♂54 | 0♂32 | 1♂10 | 7♂1 | 25♂19 | S 10 |
| M 11 | 1 20 34 | 18♂13'53 | 3♂33 | 10♂24 | 22♂21 | 18♂6 | 23♂10 | 7♂7 | 1♂40 | 16♂24 | 12♂54 | 0♂33 | 1♂7 | 7♂8 | 25♂17 | M 11 |
| T 12 | 1 24 30 | 19♂13'14 | 17♂11 | 11♂43 | 23♂33 | 18♂44 | 23♂14 | 7♂8 | 1♂39 | 16♂22 | 12♂53 | 0♂33 | 1♂3 | 7♂15 | 25♂14 | T 12 |
| W 13 | 1 28 27 | 20♂12'36 | 1♂9 | 13♂0 | 24♂46 | 19♂22 | 23♂19 | 7♂9 | 1♂39 | 16♂21 | 12♂53 | 0♂33 | 1♂0 | 7♂21 | 25♂12 | W 13 |
| T 14 | 1 32 23 | 21♂12'00 | 15♂25 | 14♂16 | 25♂58 | 19♂59 | 23♂24 | 7♂10 | 1♂39 | 16♂19 | 12♂53 | 0♂32 | 0♂57 | 7♂28 | 25♂10 | T 14 |
| F 15 | 1 36 20 | 22♂11'26 | 29♂58 | 15♂31 | 27♂11 | 20♂37 | 23♂29 | 7♂10 | 1♂38 | 16♂17 | 12♂52 | 0♂32 | 0♂54 | 7♂35 | 25♂7 | F 15 |
| S 16 | 1 40 16 | 23♂10'54 | 14♂42 | 16♂45 | 28♂23 | 21♂14 | 23♂34 | 7♂11 | 1♂38 | 16♂16 | 12♂52 | 0♂31 | 0♂51 | 7♂41 | 25♂5 | S 16 |
| S 17 | 1 44 13 | 24♂10'23 | 29♂32 | 17♂56 | 29♂36 | 21♂52 | 23♂39 | 7♂11 | 1♂37 | 16♂14 | 12♂52 | 0♂30 | 0♂48 | 7♂48 | 25♂2 | S 17 |
| M 18 | 1 48 9 | 25♂9'55 | 14♂21 | 19♂6 | 0♂48 | 22♂29 | 23♂45 | 7♂11 | 1♂37 | 16♂12 | 12♂52 | 0♂29 | 0♂44 | 7♂55 | 25♂0 | M 18 |
| T 19 | 1 52 6 | 26♂9'28 | 29♂0 | 20♂14 | 2♂1 | 23♂7 | 23♂51 | 7♂11 | 1♂36 | 16♂11 | 12♂51 | 0♂29 | 0♂41 | 8♂1 | 24♂57 | T 19 |
| W 20 | 1 56 3 | 27♂9'03 | 13♂24 | 21♂20 | 3♂13 | 23♂44 | 23♂56 | 7♂11 | 1♂35 | 16♂9 | 12♂51 | 0♂29 | 0♂38 | 8♂8 | 24♂54 | W 20 |
| T 21 | 1 59 59 | 28♂8'41 | 27♂28 | 22♂24 | 4♂25 | 24♂22 | 24♂2 | 7♂11 | 1♂35 | 16♂7 | 12♂51 | 0♂30 | 0♂35 | 8♂15 | 24♂52 | T 21 |
| F 22 | 2 3 56 | 29♂8'20 | 11♂7 | 23♂25 | 5♂38 | 24♂59 | 24♂8 | 7♂10 | 1♂34 | 16♂6 | 12♂51 | 0♂30 | 0♂32 | 8♂22 | 24♂49 | F 22 |
| S 23 | 2 7 52 | 0♂8'02 | 24♂22 | 24♂24 | 6♂50 | 25♂37 | 24♂15 | 7♂10 | 1♂33 | 16♂4 | 12♂51 | 0♂30 | 0♂29 | 8♂28 | 24♂46 | S 23 |
| S 24 | 2 11 49 | 1♂7'46 | 7♂14 | 25♂19 | 8♂2 | 26♂14 | 24♂21 | 7♂10 | 1♂32 | 16♂3 | 12♂51 | 0♂30 | 0♂25 | 8♂35 | 24♂43 | S 24 |
| M 25 | 2 15 45 | 2♂7'33 | 19♂44 | 26♂11 | 9♂14 | 26♂52 | 24♂28 | 7♂9 | 1♂31 | 16♂1 | 12♂51 | 0♂30 | 0♂22 | 8♂42 | 24♂41 | M 25 |
| T 26 | 2 19 42 | 3♂7'21 | 1♂58 | 26♂59 | 10♂27 | 27♂29 | 24♂35 | 7♂8 | 1♂30 | 15♂59 | 12♂51 | 0♂30 | 0♂19 | 8♂48 | 24♂38 | T 26 |
| W 27 | 2 23 38 | 4♂7'12 | 14♂0 | 27♂43 | 11♂39 | 28♂7 | 24♂42 | 7♂7 | 1♂29 | 15♂58 | 12♂51 | 0♂30 | 0♂16 | 8♂55 | 24♂35 | W 27 |
| T 28 | 2 27 35 | 5♂7'05 | 25♂54 | 28♂23 | 12♂51 | 28♂44 | 24♂49 | 7♂6 | 1♂28 | 15♂56 | 12♂51 | 0♂30 | 0♂13 | 9♂2 | 24♂32 | T 28 |
| F 29 | 2 31 32 | 6♂7'00 | 7♂44 | 28♂57 | 14♂3 | 29♂22 | 24♂56 | 7♂5 | 1♂27 | 15♂55 | 12♂51 | 0♂31 | 0♂9 | 9♂8 | 24♂29 | F 29 |
| S 30 | 2 35 28 | 7♂6'57 | 19♂36 | 29♂25 | 15♂15 | 29♂59 | 25♂3 | 7♂4 | 1♂26 | 15♂53 | 12♂51 | 0♂31 | 0♂6 | 9♂15 | 24♂26 | S 30 |
| S 31 | 2 39 25 | 8♂6'56 | 1♂32 | 29♂48 | 16♂27 | 0♂36 | 25♂11 | 7♂3 | 1♂25 | 15♂52 | 12♂51 | 0♂32 | 0♂3 | 9♂22 | 24♂23 | S 31 |

ASTRODIENST EPHEMERIS for the year 2032

geocentric

NOVEMBER 2032

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|--------|--------|--------|--------|--------|-------|-------|--------|--------|-------|--------|--------|--------|------|
| M 1 | 2 43 21 | 9♉ 6°58 | 13♏ 37 | 0♈ 3 | 17♏ 39 | 1♏ 14 | 25♏ 19 | 7°R 2 | 1°R24 | 15°R50 | 12♏ 51 | 0♉ 33 | 29♏ 59 | 9♏ 28 | 24°R20 | M 1 |
| T 2 | 2 47 18 | 10° 7'01 | 25°52 | 0°R12 | 18°51 | 1°51 | 25°27 | 7°00 | 1°022 | 15°Y49 | 12°51 | 0°R33 | 29°57 | 9°35 | 24°R17 | T 2 |
| W 3 | 2 51 14 | 11° 7'06 | 8♉ 20 | 0°12 | 20° 3 | 2°28 | 25°34 | 6°58 | 1°21 | 15°47 | 12°52 | 0°33 | 29°54 | 9°42 | 24°14 | W 3 |
| T 4 | 2 55 11 | 12° 7'14 | 21° 2 | 0° 3 | 21°15 | 3° 6 | 25°43 | 6°57 | 1°20 | 15°46 | 12°52 | 0°32 | 29°50 | 9°49 | 24°11 | T 4 |
| F 5 | 2 59 7 | 13° 7'23 | 3♏ 58 | 29♉ 45 | 22°26 | 3°43 | 25°51 | 6°55 | 1°18 | 15°44 | 12°52 | 0°31 | 29°47 | 9°55 | 24° 8 | F 5 |
| S 6 | 3 3 4 | 14° 7'34 | 17° 7 | 29°17 | 23°38 | 4°20 | 25°59 | 6°53 | 1°17 | 15°43 | 12°53 | 0°29 | 29°44 | 10° 2 | 24° 5 | S 6 |
| S 7 | 3 7 1 | 15° 7'46 | 0♈ 30 | 28°40 | 24°50 | 4°58 | 26° 8 | 6°51 | 1°15 | 15°41 | 12°53 | 0°27 | 29°41 | 10° 9 | 24° 2 | S 7 |
| M 8 | 3 10 57 | 16° 8'00 | 14° 6 | 27°53 | 26° 1 | 5°35 | 26°17 | 6°49 | 1°14 | 15°40 | 12°53 | 0°25 | 29°38 | 10°15 | 23°59 | M 8 |
| T 9 | 3 14 54 | 17° 8'16 | 27°53 | 26°56 | 27°13 | 6°12 | 26°25 | 6°47 | 1°12 | 15°39 | 12°54 | 0°24 | 29°35 | 10°22 | 23°56 | T 9 |
| W10 | 3 18 50 | 18° 8'33 | 11♏ 51 | 25°52 | 28°25 | 6°50 | 26°34 | 6°44 | 1°10 | 15°37 | 12°54 | 0°D23 | 29°31 | 10°29 | 23°53 | W10 |
| T 11 | 3 22 47 | 19° 8'51 | 25°58 | 24°40 | 29°36 | 7°27 | 26°43 | 6°42 | 1° 9 | 15°36 | 12°54 | 0°23 | 29°28 | 10°35 | 23°50 | T 11 |
| F 12 | 3 26 43 | 20° 9'11 | 10♏ 12 | 23°23 | 0♈ 47 | 8° 4 | 26°53 | 6°39 | 1° 7 | 15°35 | 12°55 | 0°24 | 29°25 | 10°42 | 23°47 | F 12 |
| S 13 | 3 30 40 | 21° 9'32 | 24°32 | 22° 3 | 1°59 | 8°41 | 27° 2 | 6°37 | 1° 5 | 15°33 | 12°55 | 0°25 | 29°22 | 10°49 | 23°43 | S 13 |
| S 14 | 3 34 36 | 22° 9'54 | 8♏ 54 | 20°43 | 3°10 | 9°18 | 27°11 | 6°34 | 1° 3 | 15°32 | 12°56 | 0°26 | 29°19 | 10°55 | 23°40 | S 14 |
| M15 | 3 38 33 | 23°10'18 | 23°15 | 19°25 | 4°21 | 9°55 | 27°21 | 6°31 | 1° 2 | 15°31 | 12°56 | 0°R27 | 29°15 | 11° 2 | 23°37 | M15 |
| T 16 | 3 42 30 | 24°10'44 | 7♏ 30 | 18°12 | 5°32 | 10°33 | 27°31 | 6°28 | 1° 0 | 15°30 | 12°57 | 0°27 | 29°12 | 11° 9 | 23°34 | T 16 |
| W17 | 3 46 26 | 25°11'11 | 21°35 | 17° 5 | 6°43 | 11°10 | 27°41 | 6°25 | 0°58 | 15°28 | 12°58 | 0°26 | 29° 9 | 11°16 | 23°31 | W17 |
| T 18 | 3 50 23 | 26°11'39 | 5♉ 25 | 16° 8 | 7°54 | 11°47 | 27°50 | 6°22 | 0°56 | 15°27 | 12°58 | 0°24 | 29° 6 | 11°22 | 23°28 | T 18 |
| F 19 | 3 54 19 | 27°12'10 | 18°58 | 15°21 | 9° 5 | 12°24 | 28° 1 | 6°19 | 0°54 | 15°26 | 12°59 | 0°20 | 29° 3 | 11°29 | 23°25 | F 19 |
| S 20 | 3 58 16 | 28°12'41 | 2♏ 10 | 14°46 | 10°16 | 13° 1 | 28°11 | 6°15 | 0°52 | 15°25 | 13° 0 | 0°15 | 29° 0 | 11°36 | 23°21 | S 20 |
| S 21 | 4 2 12 | 29°13'15 | 15° 2 | 14°22 | 11°27 | 13°38 | 28°21 | 6°12 | 0°50 | 15°24 | 13° 0 | 0°10 | 28°56 | 11°42 | 23°18 | S 21 |
| M22 | 4 6 9 | 0♈ 13'50 | 27°35 | 14°10 | 12°38 | 14°15 | 28°31 | 6° 9 | 0°48 | 15°23 | 13° 1 | 0° 6 | 28°53 | 11°49 | 23°15 | M22 |
| T 23 | 4 10 5 | 1°14'27 | 9♏ 51 | 14°D 9 | 13°48 | 14°52 | 28°42 | 6° 5 | 0°46 | 15°22 | 13° 2 | 0° 3 | 28°50 | 11°56 | 23°12 | T 23 |
| W24 | 4 14 2 | 2°15'06 | 21°54 | 14°18 | 14°59 | 15°29 | 28°53 | 6° 1 | 0°43 | 15°21 | 13° 3 | 0° 1 | 28°47 | 12° 2 | 23° 9 | W24 |
| T 25 | 4 17 59 | 3°15'46 | 3♏ 48 | 14°38 | 16° 9 | 16° 6 | 29° 3 | 5°58 | 0°41 | 15°20 | 13° 3 | 0°D 0 | 28°44 | 12° 9 | 23° 6 | T 25 |
| F 26 | 4 21 55 | 4°16'27 | 15°39 | 15° 7 | 17°19 | 16°43 | 29°14 | 5°54 | 0°39 | 15°19 | 13° 4 | 0° 1 | 28°40 | 12°16 | 23° 3 | F 26 |
| S 27 | 4 25 52 | 5°17'11 | 27°30 | 15°44 | 18°30 | 17°20 | 29°25 | 5°50 | 0°37 | 15°18 | 13° 5 | 0° 2 | 28°37 | 12°22 | 23° 0 | S 27 |
| S 28 | 4 29 48 | 6°17'56 | 9♏ 28 | 16°28 | 19°40 | 17°57 | 29°36 | 5°46 | 0°35 | 15°17 | 13° 6 | 0° 4 | 28°34 | 12°29 | 22°57 | S 28 |
| M29 | 4 33 45 | 7°18'42 | 21°36 | 17°18 | 20°50 | 18°34 | 29°47 | 5°42 | 0°32 | 15°16 | 13° 7 | 0° 5 | 28°31 | 12°36 | 22°54 | M29 |
| T 30 | 4 37 41 | 8♏ 19'30 | 4♉ 0 | 18♉ 14 | 22♏ 0 | 19♏ 11 | 29♏ 58 | 5°38 | 0°30 | 15°Y15 | 13° 8 | 0°R 6 | 28♏ 28 | 12♏ 42 | 22♏ 51 | T 30 |

Delta T = 69.97 sec

DECEMBER 2032

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | Day |
|------|---------|----------|--------|--------|--------|--------|-------|-------|--------|--------|-------|--------|--------|--------|--------|------|
| W 1 | 4 41 38 | 9♏ 20'19 | 16♉ 40 | 19♉ 15 | 23♏ 10 | 19♏ 48 | 0♏ 10 | 5°R34 | 0°R28 | 15°R14 | 13° 9 | 0°R 4 | 28♏ 25 | 12♏ 49 | 22°R48 | W 1 |
| T 2 | 4 45 34 | 10°21'10 | 29°40 | 20°21 | 24°19 | 20°25 | 0°21 | 5°030 | 0°025 | 15°Y13 | 13°10 | 0♉ 1 | 28°21 | 12°56 | 22°R45 | T 2 |
| F 3 | 4 49 31 | 11°22'02 | 12♏ 59 | 21°30 | 25°29 | 21° 1 | 0°33 | 5°26 | 0°23 | 15°13 | 13°11 | 29♏ 56 | 28°18 | 13° 2 | 22°42 | F 3 |
| S 4 | 4 53 28 | 12°22'55 | 26°35 | 22°42 | 26°39 | 21°38 | 0°44 | 5°21 | 0°20 | 15°12 | 13°12 | 29°49 | 28°15 | 13° 9 | 22°39 | S 4 |
| S 5 | 4 57 24 | 13°23'49 | 10♏ 27 | 23°57 | 27°48 | 22°15 | 0°56 | 5°17 | 0°18 | 15°11 | 13°13 | 29°41 | 28°12 | 13°16 | 22°36 | S 5 |
| M 6 | 5 1 21 | 14°24'44 | 24°28 | 25°15 | 28°57 | 22°52 | 1° 8 | 5°12 | 0°16 | 15°10 | 13°14 | 29°34 | 28° 9 | 13°23 | 22°33 | M 6 |
| T 7 | 5 5 17 | 15°25'40 | 8♏ 37 | 26°34 | 0♏ 6 | 23°29 | 1°20 | 5° 8 | 0°13 | 15°10 | 13°15 | 29°28 | 28° 6 | 13°29 | 22°30 | T 7 |
| W 8 | 5 9 14 | 16°26'37 | 22°48 | 27°55 | 1°15 | 24° 5 | 1°31 | 5° 3 | 0°11 | 15° 9 | 13°16 | 29°23 | 28° 2 | 13°36 | 22°27 | W 8 |
| T 9 | 5 13 10 | 17°27'34 | 6♏ 59 | 29°18 | 2°24 | 24°42 | 1°44 | 4°59 | 0° 8 | 15° 9 | 13°17 | 29°21 | 27°59 | 13°43 | 22°25 | T 9 |
| F 10 | 5 17 7 | 18°28'32 | 21° 8 | 0♈ 42 | 3°33 | 25°19 | 1°56 | 4°54 | 0° 6 | 15° 8 | 13°18 | 29°D20 | 27°56 | 13°49 | 22°22 | F 10 |
| S 11 | 5 21 3 | 19°29'30 | 5♏ 12 | 2° 7 | 4°41 | 25°55 | 2° 8 | 4°49 | 0° 3 | 15° 8 | 13°20 | 29°21 | 27°53 | 13°56 | 22°19 | S 11 |
| S 12 | 5 25 0 | 20°30'29 | 19°11 | 3°33 | 5°50 | 26°32 | 2°20 | 4°45 | 0° 1 | 15° 7 | 13°21 | 29°22 | 27°50 | 14° 3 | 22°16 | S 12 |
| M13 | 5 28 57 | 21°31'29 | 3♏ 5 | 5° 0 | 6°58 | 27° 8 | 2°32 | 4°40 | 29♏ 58 | 15° 7 | 13°22 | 29°R22 | 27°46 | 14° 9 | 22°14 | M13 |
| T 14 | 5 32 53 | 22°32'29 | 16°52 | 6°28 | 8° 6 | 27°45 | 2°45 | 4°35 | 29°56 | 15° 6 | 13°23 | 29°21 | 27°43 | 14°16 | 22°11 | T 14 |
| W15 | 5 36 50 | 23°33'30 | 0♉ 30 | 7°56 | 9°14 | 28°22 | 2°57 | 4°30 | 29°53 | 15° 6 | 13°25 | 29°17 | 27°40 | 14°23 | 22° 9 | W15 |
| T 16 | 5 40 46 | 24°34'31 | 13°57 | 9°25 | 10°22 | 28°58 | 3°10 | 4°26 | 29°50 | 15° 5 | 13°26 | 29°10 | 27°37 | 14°29 | 22° 6 | T 16 |
| F 17 | 5 44 43 | 25°35'33 | 27°12 | 10°54 | 11°29 | 29°35 | 3°23 | 4°21 | 29°48 | 15° 5 | 13°27 | 29° 2 | 27°34 | 14°36 | 22° 4 | F 17 |
| S 18 | 5 48 39 | 26°36'36 | 10♏ 12 | 12°24 | 12°36 | 0♉ 11 | 3°35 | 4°16 | 29°45 | 15° 5 | 13°29 | 28°51 | 27°31 | 14°43 | 22° 1 | S 18 |
| S 19 | 5 52 36 | 27°37'40 | 22°57 | 13°54 | 13°43 | 0°47 | 3°48 | 4°11 | 29°43 | 15° 5 | 13°30 | 28°40 | 27°27 | 14°49 | 21°59 | S 19 |
| M20 | 5 56 33 | 28°38'44 | 5♏ 26 | 15°24 | 14°50 | 1°24 | 4° 1 | 4° 6 | 29°40 | 15° 4 | 13°31 | 28°29 | 27°24 | 14°56 | 21°56 | M20 |
| T 21 | 6 0 29 | 29°39'49 | 17°40 | 16°55 | 15°57 | 2° 0 | 4°14 | 4° 1 | 29°38 | 15° 4 | 13°33 | 28°20 | 27°21 | 15° 3 | 21°54 | T 21 |
| W22 | 6 4 26 | 0♈ 40'54 | 29°42 | 18°26 | 17° 4 | 2°37 | 4°27 | 3°56 | 29°35 | 15° 4 | 13°34 | 28°13 | 27°18 | 15° 9 | 21°52 | W22 |
| T 23 | 6 8 22 | 1°42'00 | 11♏ 36 | 19°57 | 18°10 | 3°13 | 4°40 | 3°51 | 29°32 | 15° 4 | 13°35 | 28° 8 | 27°15 | 15°16 | 21°50 | T 23 |
| F 24 | 6 12 19 | 2°43'07 | 23°25 | 21°29 | 19°16 | 3°49 | 4°53 | 3°46 | 29°30 | 15° 4 | 13°37 | 28° 5 | 27°12 | 15°23 | 21°47 | F 24 |
| S 25 | 6 16 15 | 3°44'15 | 5♏ 15 | 23° 1 | 20°21 | 4°25 | 5° 6 | 3°41 | 29°27 | 15° 4 | 13°38 | 28°D 5 | 27° 8 | 15°30 | 21°45 | S 25 |
| S 26 | 6 20 12 | 4°45'23 | 17°11 | 24°33 | 21°27 | 5° 2 | 5°19 | 3°36 | 29°25 | 15°D 4 | 13°40 | 28° 5 | 27° 5 | 15°36 | 21°43 | S 26 |
| M27 | 6 24 8 | 5°46'32 | 29°19 | 26° 5 | 22°32 | 5°38 | 5°32 | 3°31 | 29°22 | 15° 4 | 13°41 | 28°R 6 | 27° 2 | 15°43 | 21°41 | M27 |
| T 28 | 6 28 5 | 6°47'41 | 11♏ 44 | 27°38 | 23°37 | 6°14 | 5°46 | 3°26 | 29°20 | 15° 4 | 13°43 | 28° 5 | 26°59 | 15°50 | 21°39 | T 28 |
| W29 | 6 32 2 | 7°48'51 | 24°30 | 29°11 | 24°42 | 6°50 | 5°59 | 3°21 | 29°17 | 15° 4 | 13°44 | 28° 2 | 26°56 | 15°56 | 21°37 | W29 |
| T 30 | 6 35 58 | 8°50'01 | 7♏ 40 | 0♈ 44 | 25°46 | 7°26 | 6°13 | 3°16 | 29°15 | 15° 4 | 13°46 | 27°56 | 26°52 | 16° 3 | 21°35 | T 30 |
| F 31 | 6 39 55 | 9♏ 51'12 | 21♏ 15 | 2♏ 18 | 26♏ 51 | 8♉ 2 | 6♏ 26 | 3°02 | 29♏ 12 | 15°Y 4 | 13° 8 | 27♏ 48 | 26♏ 49 | 16♏ 10 | 21♏ 33 | F 31 |

Delta T = 69.99 sec