

Astrodienst Ephemeris Tables for the year 1777

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris
Code D5EPH

JANUARY 1777 00:00 UT

| Day | Sid.t | 0 | D | ğ | φ | ď | 4 | ħ |)Å(| 并 | В | ß | v | Ç | , k | Day |
|------|---------|------------------|-----------------|-------|----------------|----------------|--------|----------------|---------------|--------|----------------|--------|--------|----------------|----------------|------|
| W 1 | 6 43 50 | 11 궁 1'06 | 1 ≏ 25 | 11궁 9 | 16≈ 1 | 6 ₽ 57 | 21°R25 | 2M 1 | 7°R43 | 27°R 6 | 27중31 | 279521 | 2895 3 | 9 ॒ 35 | 15 Y 39 | W 1 |
| T 2 | 6 47 47 | 12° 2'16 | 13°17 | 12°46 | 17°14 | 7°21 | 219517 | 2° 5 | 7 Ⅱ 41 | 27Mp 6 | 27°33 | 27°R21 | 28° 0 | 9°41 | 15°39 | T 2 |
| F 3 | 6 51 43 | 13° 3'26 | 25°11 | 14°24 | 18°27 | 7°45 | 21° 9 | 2° 9 | 7°39 | 27° 6 | 27°35 | 27°21 | 27°57 | 9°48 | 15°40 | F 3 |
| S 4 | 6 55 40 | 14° 4'36 | 7 M .11 | 16° 2 | 19°41 | 8° 8 | 21° 1 | 2°13 | 7°37 | 27° 6 | 27°37 | 27°20 | 27°54 | 9°55 | 15°40 | S 4 |
| S 5 | 6 59 37 | 15° 5'47 | 19°22 | 17°40 | 20°54 | 8°31 | 20°53 | 2°17 | 7°35 | 27° 6 | 27°39 | 27°18 | 27°51 | 10° 2 | 15°41 | S 5 |
| M 6 | 7 3 33 | 16° 6'57 | 1 才 48 | 19°19 | 22° 7 | 8°54 | 20°45 | 2°20 | 7°34 | 27° 5 | 27°41 | 27°17 | 27°47 | 10° 8 | 15°42 | M 6 |
| T 7 | 7 7 30 | 17° 8'07 | 14°31 | 20°59 | 23°20 | 9°17 | 20°37 | 2°24 | 7°32 | 27° 5 | 27°43 | 27°15 | 27°44 | 10°15 | 15°42 | T 7 |
| W 8 | 7 11 26 | 18° 9'18 | 27°33 | 22°39 | 24°33 | 9°39 | 20°29 | 2°27 | 7°30 | 27° 5 | 27°45 | 27°14 | 27°41 | 10°22 | 15°43 | W 8 |
| T 9 | 7 15 23 | 19°10'28 | 10 ට 54 | 24°19 | 25°46 | 10° 1 | 20°21 | 2°30 | 7°28 | 27° 4 | 27°47 | 27°13 | 27°38 | 10°28 | 15°44 | T 9 |
| F 10 | 7 19 19 | 20°11'37 | 24°33 | 25°59 | 26°59 | 10°23 | 20°13 | 2°34 | 7°27 | 27° 4 | 27°48 | 27°D13 | 27°35 | 10°35 | 15°44 | F 10 |
| S 11 | 7 23 16 | 21°12'47 | 8≈27 | 27°40 | 28°12 | 10°45 | 20° 5 | 2°37 | 7°25 | 27° 3 | 27°50 | 27°13 | 27°32 | 10°42 | 15°45 | S 11 |
| S 12 | 7 27 12 | 22°13'55 | 22°33 | 29°22 | 29°25 | 11° 6 | 19°56 | 2°40 | 7°23 | 27° 3 | 27°52 | 27°13 | 27°28 | 10°49 | 15°46 | S 12 |
| M13 | 7 31 9 | 23°15'03 | 6) (47 | 1≈ 3 | 0) ₹38 | 11°26 | 19°48 | 2°43 | 7°22 | 27° 2 | 27°54 | 27°14 | 27°25 | 10°55 | 15°47 | M13 |
| T 14 | 7 35 6 | 24°16'10 | 21° 5 | 2°45 | 1°50 | 11°47 | 19°40 | 2°46 | 7°20 | 27° 2 | 27°56 | 27°14 | 27°22 | 11° 2 | 15°48 | T 14 |
| W15 | 7 39 2 | 25°17'17 | 5 Ƴ 23 | 4°27 | 3° 3 | 12° 6 | 19°32 | 2°48 | 7°19 | 27° 1 | 27°58 | 27°14 | 27°19 | 11° 9 | 15°49 | W15 |
| T 16 | 7 42 59 | 26°18'22 | 19°37 | 6° 9 | 4°15 | 12°26 | 19°24 | 2°51 | 7°17 | 27° 1 | 28° 0 | 27°14 | 27°16 | 11°16 | 15°51 | T 16 |
| F 17 | 7 46 55 | 27°19'26 | 3 8 47 | 7°51 | 5°28 | 12°45 | 19°16 | 2°54 | 7°16 | 27° 0 | 28° 2 | 27°14 | 27°13 | 11°22 | 15°52 | F 17 |
| S 18 | 7 50 52 | 28°20'30 | 17°48 | 9°34 | 6°40 | 13° 4 | 19° 9 | 2°56 | 7°15 | 26°59 | 28° 4 | 27°14 | 27° 9 | 11°29 | 15°53 | S 18 |
| S 19 | 7 54 48 | 29°21'32 | 1 Ⅱ 41 | 11°15 | 7°52 | 13°22 | 19° 1 | 2°58 | 7°13 | 26°59 | 28° 6 | 27°14 | 27° 6 | 11°36 | 15°54 | S 19 |
| M20 | 7 58 45 | 0≈22'34 | 15°23 | 12°57 | 9° 5 | 13°40 | 18°53 | 3° 1 | 7°12 | 26°58 | 28° 8 | 27°15 | 27° 3 | 11°42 | 15°56 | M20 |
| T 21 | 8 2 41 | 1°23'35 | 28°53 | 14°38 | 10°17 | 13°58 | 18°45 | 3° 3 | 7°11 | 26°57 | 28°10 | 27°15 | 27° 0 | 11°49 | 15°57 | T 21 |
| W22 | 8 6 38 | 2°24'34 | 129511 | 16°18 | 11°29 | 14°15 | 18°37 | 3° 5 | 7°10 | 26°57 | 28°12 | 27°15 | 26°57 | 11°56 | 15°59 | W22 |
| T 23 | 8 10 35 | 3°25'33 | 25°15 | 17°57 | 12°41 | 14°32 | 18°30 | 3° 7 | 7° 9 | 26°56 | 28°14 | 27°R16 | 26°53 | 12° 3 | 16° 0 | T 23 |
| F 24 | 8 14 31 | 4°26'31 | 8 N 6 | 19°34 | 13°53 | 14°48 | 18°22 | 3° 9 | 7° 8 | 26°55 | 28°16 | 27°16 | 26°50 | 12° 9 | 16° 2 | F 24 |
| S 25 | 8 18 28 | 5°27'27 | 20°43 | 21°10 | 15° 4 | 15° 4 | 18°15 | 3°11 | 7° 7 | 26°54 | 28°17 | 27°15 | 26°47 | 12°16 | 16° 4 | S 25 |
| S 26 | 8 22 24 | 6°28'23 | 3 Mp 6 | 22°44 | 16°16 | 15°19 | 18° 8 | 3°12 | 7° 6 | 26°53 | 28°19 | 27°14 | 26°44 | 12°23 | 16° 5 | S 26 |
| M27 | 8 26 21 | 7°29'18 | 15°18 | 24°15 | 17°27 | 15°34 | 18° 0 | 3°14 | 7° 5 | 26°52 | 28°21 | 27°13 | 26°41 | 12°29 | 16° 7 | M27 |
| T 28 | 8 30 17 | 8°30'12 | 27°20 | 25°42 | 18°39 | 15°49 | 17°53 | 3°15 | 7° 4 | 26°51 | 28°23 | 27°11 | 26°38 | 12°36 | 16° 9 | T 28 |
| W29 | 8 34 14 | 9°31'05 | 9 ≏ 16 | 27° 6 | 19°50 | 16° 3 | 17°46 | 3°17 | 7° 3 | 26°50 | 28°25 | 27° 9 | 26°34 | 12°43 | 16°11 | W29 |
| T 30 | 8 38 10 | 10°31'58 | 21° 8 | 28°25 | 21° 1 | 16°16 | 17°39 | 3°18 | _7° 2 | 26°49 | 28°27 | 27° 8 | 26°31 | 12°50 | 16°13 | T 30 |
| F 31 | 8 42 7 | 11≈32'49 | 3 ™ 1 | 29≈39 | 22) 13 | 16 ≏ 29 | 17932 | 3 M .19 | 7 I 1 | 26Mp48 | 28 궁 29 | 2795 7 | 269528 | 12 ≏ 56 | 16 Y 14 | F 31 |

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FEBRUARY 1777 00:00 UT

| Day | Sid.t | 0 | 9 | φ | · | ð | 4 | ħ | ፟፟፟፟፟ | ¥ | 2 | ß | Ω | ţ | δ | Day |
|------|----------|-------------------|-----------------|----------------|----------------|----------------|--------|---------------|----------------|----------|----------------|--------|--------|---------------|----------------|------|
| S 1 | 8 46 4 | 12≈33'40 | 14 M 59 | 0) €48 | 23) 24 | 16 ≏ 42 | 17°R26 | 3 M 20 | 7°R 1 | 26°R47 | 28 궁 31 | 27°D 7 | 26925 | 13₾ 3 | 16 Y 16 | S 1 |
| S 2 | 8 50 0 | 13°34'30 | 27° 8 | 1°49 | 24°34 | 16°53 | 179519 | 3°21 | 7 I 0 | 26 Mp 46 | 28°33 | 2795 7 | 26°22 | 13°10 | 16°18 | S 2 |
| M 3 | 8 53 57 | 14°35'18 | 9 ∡ 32 | 2°43 | 25°45 | 17° 5 | 17°13 | 3°22 | 7° 0 | 26°45 | 28°35 | 27° 8 | 26°18 | 13°16 | 16°21 | M 3 |
| T 4 | 8 57 53 | 15°36'06 | 22°15 | 3°29 | 26°56 | 17°16 | 17° 6 | 3°23 | 6°59 | 26°44 | 28°37 | 27°10 | 26°15 | 13°23 | 16°23 | T 4 |
| W 5 | 9 1 50 | 16°36'53 | 5 る 20 | 4° 6 | 28° 6 | 17°26 | 17° 0 | 3°23 | 6°59 | 26°43 | 28°38 | 27°11 | 26°12 | 13°30 | 16°25 | W 5 |
| T 6 | 9 5 46 | 17°37'39 | 18°49 | 4°33 | 29°17 | 17°35 | 16°54 | 3°24 | 6°58 | 26°41 | 28°40 | 27°12 | 26° 9 | 13°37 | 16°27 | T 6 |
| F 7 | 9 9 43 | 18°38'24 | 2≈43 | 4°50 | 0 Υ 27 | 17°44 | 16°48 | 3°24 | 6°58 | 26°40 | 28°42 | 27°R12 | 26° 6 | 13°43 | 16°29 | F 7 |
| S 8 | 9 13 39 | 19°39'07 | 16°58 | 4°R57 | 1°37 | 17°53 | 16°42 | 3°25 | 6°58 | 26°39 | 28°44 | 27°11 | 26° 3 | 13°50 | 16°32 | S 8 |
| S 9 | 9 17 36 | 20°39'49 | 1 ∺ 31 | 4°53 | 2°47 | 18° 0 | 16°37 | 3°25 | 6°57 | 26°38 | 28°46 | 27° 9 | 25°59 | 13°57 | 16°34 | S 9 |
| M10 | 9 21 33 | 21°40'29 | 16°15 | 4°38 | 3°57 | 18° 8 | 16°31 | 3°R25 | 6°57 | 26°37 | 28°48 | 27° 6 | 25°56 | 14° 3 | 16°36 | M10 |
| T 11 | 9 25 29 | 22°41'08 | 1 Υ 2 | 4°13 | 5° 7 | 18°14 | 16°26 | 3°25 | 6°57 | 26°35 | 28°49 | 27° 2 | 25°53 | 14°10 | 16°39 | T 11 |
| W12 | 9 29 26 | 23°41'45 | 15°45 | 3°39 | 6°17 | 18°20 | 16°21 | 3°25 | 6°57 | 26°34 | 28°51 | 26°59 | 25°50 | 14°17 | 16°41 | W12 |
| T 13 | 9 33 22 | 24°42'20 | 0818 | 2°55 | 7°26 | 18°25 | 16°16 | 3°25 | 6°D57 | 26°33 | 28°53 | 26°56 | 25°47 | 14°24 | 16°44 | T 13 |
| F 14 | 9 37 19 | 25°42'53 | 14°35 | 2° 4 | 8°35 | 18°30 | 16°11 | 3°24 | 6°57 | 26°31 | 28°55 | 26°54 | 25°44 | 14°30 | 16°46 | F 14 |
| S 15 | 9 41 15 | 26°43'25 | 28°35 | 1° 6 | 9°45 | 18°34 | 16° 6 | 3°24 | 6°57 | 26°30 | 28°57 | 26°D53 | 25°40 | 14°37 | 16°49 | S 15 |
| S 16 | 9 45 12 | 27°43'55 | 12 Ⅲ 17 | 0° 4 | 10°53 | 18°37 | 16° 2 | 3°23 | 6°57 | 26°28 | 28°58 | 26°54 | 25°37 | 14°44 | 16°52 | S 16 |
| M17 | 9 49 8 | 28°44'23 | 25°41 | 28≈59 | 12° 2 | 18°39 | 15°58 | 3°23 | 6°57 | 26°27 | 29° 0 | 26°56 | 25°34 | 14°51 | 16°54 | M17 |
| T 18 | 9 53 5 | 29°44'49 | 8 9 50 | 27°52 | 13°11 | 18°41 | 15°54 | 3°22 | 6°58 | 26°26 | 29° 2 | 26°57 | 25°31 | 14°57 | 16°57 | T 18 |
| W19 | 9 57 2 | 0 ¥ 45'13 | 21°44 | 26°45 | 14°19 | 18°42 | 15°50 | 3°21 | 6°58 | 26°24 | 29° 3 | 26°R58 | 25°28 | 15° 4 | 17° 0 | W19 |
| T 20 | 10 0 58 | 1°45'36 | $4\Omega_{26}$ | 25°41 | 15°28 | 18°R42 | 15°46 | 3°20 | 6°58 | 26°23 | 29° 5 | 26°58 | 25°24 | 15°11 | 17° 3 | T 20 |
| F 21 | 10 4 55 | 2°45'56 | 16°57 | 24°40 | 16°36 | 18°42 | 15°42 | 3°19 | 6°59 | 26°21 | 29° 7 | 26°56 | 25°21 | 15°17 | 17° 6 | F 21 |
| S 22 | 10 8 51 | 3°46'15 | 29°18 | 23°43 | 17°43 | 18°41 | 15°39 | 3°18 | 6°59 | 26°20 | 29° 8 | 26°53 | 25°18 | 15°24 | 17° 8 | S 22 |
| S 23 | 10 12 48 | 4°46'32 | 11 M y31 | 22°52 | 18°51 | 18°39 | 15°36 | 3°17 | 7° 0 | 26°18 | 29°10 | 26°47 | 25°15 | 15°31 | 17°11 | S 23 |
| M24 | 10 16 44 | 5°46'47 | 23°35 | 22° 7 | 19°59 | 18°36 | 15°33 | 3°15 | 7° 0 | 26°17 | 29°12 | 26°40 | 25°12 | 15°38 | 17°14 | M24 |
| T 25 | 10 20 41 | 6°47'00 | 5 ≏ 34 | 21°29 | 21° 6 | 18°33 | 15°30 | 3°14 | 7° 1 | 26°15 | 29°13 | 26°32 | 25° 9 | 15°44 | 17°17 | T 25 |
| W26 | 10 24 37 | 7°47'12 | 17°28 | 20°58 | 22°13 | 18°29 | 15°27 | 3°12 | 7° 1 | 26°14 | 29°15 | 26°25 | 25° 5 | 15°51 | 17°20 | W26 |
| T 27 | 10 28 34 | 8°47'22 | 29°20 | 20°33 | 23°20 | 18°24 | 15°25 | 3°11 | 7° 2 | 26°12 | 29°17 | 26°17 | 25° 2 | 15°58 | 17°23 | T 27 |
| F 28 | 10 32 30 | 9) (47'31 | 11 M .12 | 20≈16 | 24 Y 26 | 18 ≏ 18 | 159523 | 3M 9 | 7 I I 3 | 26 Mp 10 | 29 궁 18 | 269512 | 249559 | 16 ♀ 4 | 17 Y 26 | F 28 |

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|------|----------|---------------------|----------------|---------------|----------------|---------------|--------|---------------|---------------|----------------|----------------|--------|--------|----------------|----------------|------|
| S 1 | 10 36 27 | 10) (47'38 | 23M 9 | 20°R 6 | 25 Y 33 | 18°R12 | 15°R21 | 3°R 7 | 7 Ⅱ 4 | 26°R 9 | 29 궁 20 | 26°R 8 | 24956 | 16 ≏ 11 | 17 Y 29 | S 1 |
| S 2 | 10 40 24 | 11°47'43 | 5 ₹ 15 | 20°D 2 | 26°39 | 18 ♀ 4 | 15919 | 3M 5 | 7° 5 | 26 Mp 7 | 29°21 | 26 | 24°53 | 16°18 | 17°33 | S 2 |
| M 3 | 10 44 20 | 12°47'47 | 17°35 | 20≈ 5 | 27°45 | 17°56 | 15°17 | 3° 3 | 7° 6 | 26° 6 | 29°23 | 26°D 6 | 24°50 | 16°25 | 17°36 | M 3 |
| T 4 | 10 48 17 | 13°47'49 | 0 궁 12 | 20°14 | 28°50 | 17°48 | 15°16 | 3° 1 | 7° 7 | 26° 4 | 29°24 | 26° 7 | 24°46 | 16°31 | 17°39 | T 4 |
| W 5 | 10 52 13 | 14°47'50 | 13°13 | 20°29 | 29°56 | 17°38 | 15°14 | 2°59 | 7°8 | 26° 2 | 29°26 | 26° 8 | 24°43 | 16°38 | 17°42 | W 5 |
| T 6 | 10 56 10 | 15°47'49 | 26°39 | 20°49 | 18 1 | 17°28 | 15°13 | 2°57 | 7° 9 | 26° 1 | 29°27 | 26°R 9 | 24°40 | 16°45 | 17°45 | T 6 |
| F 7 | 11 0 6 | 16°47'46 | 10≈34 | 21°14 | 2° 6 | 17°16 | 15°13 | 2°54 | 7°10 | 25°59 | 29°29 | 26° 8 | 24°37 | 16°52 | 17°49 | F 7 |
| S 8 | 11 4 3 | 17°47'42 | 24°57 | 21°45 | 3°10 | 17° 4 | 15°12 | 2°52 | 7°11 | 25°58 | 29°30 | 26° 5 | 24°34 | 16°58 | 17°52 | S 8 |
| S 9 | 11 7 59 | 18°47'35 | 9) (44 | 22°19 | 4°15 | 16°52 | 15°11 | 2°49 | 7°12 | 25°56 | 29°31 | 25°59 | 24°30 | 17° 5 | 17°55 | S 9 |
| M10 | 11 11 56 | 19°47'27 | 24°47 | 22°58 | 5°19 | 16°38 | 15°11 | 2°47 | 7°13 | 25°54 | 29°33 | 25°52 | 24°27 | 17°12 | 17°59 | M10 |
| T 11 | 11 15 53 | 20°47'17 | 9 Ƴ 58 | 23°41 | 6°22 | 16°24 | 15°D11 | 2°44 | 7°15 | 25°53 | 29°34 | 25°43 | 24°24 | 17°18 | 18° 2 | T 11 |
| W12 | 11 19 49 | 21°47'04 | 25° 6 | 24°27 | 7°26 | 16° 9 | 15°11 | 2°41 | 7°16 | 25°51 | 29°35 | 25°35 | 24°21 | 17°25 | 18° 5 | W12 |
| T 13 | 11 23 46 | 22°46'50 | 108 1 | 25°17 | 8°29 | 15°54 | 15°11 | 2°38 | 7°18 | 25°49 | 29°37 | 25°27 | 24°18 | 17°32 | 18° 9 | T 13 |
| F 14 | 11 27 42 | 23°46'33 | 24°35 | 26°10 | 9°32 | 15°38 | 15°12 | 2°35 | 7°19 | 25°48 | 29°38 | 25°22 | 24°15 | 17°39 | 18°12 | F 14 |
| S 15 | 11 31 39 | 24°46'14 | 8 ∏ 45 | 27° 6 | 10°34 | 15°21 | 15°13 | 2°32 | 7°21 | 25°46 | 29°39 | 25°18 | 24°11 | 17°45 | 18°16 | S 15 |
| S 16 | 11 35 35 | 25°45'53 | 22°29 | 28° 5 | 11°36 | 15° 3 | 15°13 | 2°29 | 7°22 | 25°44 | 29°41 | 25°D17 | 24° 8 | 17°52 | 18°19 | S 16 |
| M17 | 11 39 32 | 26°45'29 | 5950 | 29° 6 | 12°38 | 14°45 | 15°15 | 2°26 | 7°24 | 25°43 | 29°42 | 25°17 | 24° 5 | 17°59 | 18°23 | M17 |
| T 18 | 11 43 28 | 27°45'03 | 18°48 | 0 ∺ 11 | 13°39 | 14°26 | 15°16 | 2°22 | 7°25 | 25°41 | 29°43 | 25°R18 | 24° 2 | 18° 5 | 18°26 | T 18 |
| W19 | 11 47 25 | 28°44'35 | 1 Q 30 | 1°17 | 14°40 | 14° 7 | 15°17 | 2°19 | 7°27 | 25°39 | 29°44 | 25°18 | 23°59 | 18°12 | 18°30 | W19 |
| T 20 | 11 51 22 | 29°44'04 | 13°56 | 2°26 | 15°41 | 13°47 | 15°19 | 2°16 | 7°29 | 25°38 | 29°45 | 25°16 | 23°55 | 18°19 | 18°33 | T 20 |
| F 21 | 11 55 18 | 0 Υ 43'31 | 26°12 | 3°37 | 16°41 | 13°27 | 15°21 | 2°12 | 7°31 | 25°36 | 29°46 | 25°12 | 23°52 | 18°26 | 18°37 | F 21 |
| S 22 | 11 59 15 | 1°42'56 | 8 Mg 20 | 4°50 | 17°41 | 13° 6 | 15°23 | 2° 9 | 7°33 | 25°34 | 29°47 | 25° 5 | 23°49 | 18°32 | 18°40 | S 22 |
| S 23 | 12 3 11 | 2°42'19 | 20°22 | 6° 5 | 18°40 | 12°45 | 15°25 | 2° 5 | 7°34 | 25°33 | 29°49 | 24°55 | 23°46 | 18°39 | 18°44 | S 23 |
| M24 | 12 7 8 | 3°41'40 | 2 <u>₽</u> 20 | 7°22 | 19°39 | 12°24 | 15°27 | 2° 1 | 7°36 | 25°31 | 29°50 | 24°44 | 23°43 | 18°46 | 18°47 | M24 |
| T 25 | 12 11 4 | 4°40'58 | 14°14 | 8°41 | 20°37 | 12° 2 | 15°30 | 1°58 | 7°38 | 25°29 | 29°51 | 24°30 | 23°40 | 18°53 | 18°51 | T 25 |
| W26 | 12 15 1 | 5°40'15 | 26° 7 | 10° 1 | 21°35 | 11°40 | 15°33 | 1°54 | 7°40 | 25°28 | 29°52 | 24°17 | 23°36 | 18°59 | 18°55 | W26 |
| T 27 | 12 18 57 | 6°39'29 | 7 M 59 | 11°23 | 22°33 | 11°17 | 15°36 | 1°50 | 7°42 | 25°26 | 29°53 | 24° 5 | 23°33 | 19° 6 | 18°58 | T 27 |
| F 28 | 12 22 54 | 7°38'42 | 19°54 | 12°48 | 23°29 | 10°55 | 15°39 | 1°46 | 7°45 | 25°25 | 29°54 | 23°54 | 23°30 | 19°13 | 19° 2 | F 28 |
| S 29 | 12 26 51 | 8°37'53 | 1 ₹ 52 | 14°13 | 24°26 | 10°32 | 15°42 | 1°42 | 7°47 | 25°23 | 29°54 | 23°46 | 23°27 | 19°19 | 19° 6 | S 29 |
| S 30 | 12 30 47 | 9°37'02 | 13°58 | 15°40 | 25°22 | 10° 9 | 15°46 | 1°38 | 7°49 | 25°21 | 29°55 | 23°41 | 23°24 | 19°26 | 19° 9 | S 30 |
| M31 | 12 34 44 | 10 Y 36'09 | 26 × 16 | 17 米 9 | 26 8 17 | 9 ≏ 46 | 159549 | 1 M 34 | 7 Ⅱ 51 | 25 m 20 | 29 궁 56 | 23938 | 239521 | 19 ≏ 33 | 19 Y 13 | M31 |

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| T 1 | 12 38 40 | 11 ° 35'14 | 8 궁 50 | 18) 40 | 27811 | 9°R23 | 15953 | 1°R30 | 7 I 53 | 25°R18 | 29 궁 57 | 23°D37 | 239517 | 19 ≙ 40 | 19 Y 17 | T 1 |
| W 2 | 12 42 37 | 12°34'18 | 21°44 | 20°12 | 28° 6 | 8 쇼 59 | 15°57 | 1 M 26 | 7°56 | 25 m 17 | 29°58 | 23°R38 | 23°14 | 19°46 | 19°20 | W 2 |
| T 3 | 12 46 33 | 13°33'20 | 5≈ 4 | 21°45 | 28°59 | 8°36 | 16° 1 | 1°21 | 7°58 | 25°15 | 29°59 | 23937 | 23°11 | 19°53 | 19°24 | T 3 |
| F 4 | 12 50 30 | 14°32'20 | 18°51 | 23°20 | 29°52 | 8°13 | 16° 5 | 1°17 | 8° 0 | 25°14 | 29°59 | 23°35 | 23° 8 | 20° 0 | 19°28 | F 4 |
| S 5 | 12 54 26 | 15°31'19 | 3 ∺ 8 | 24°57 | 0 Ⅱ 44 | 7°50 | 16°10 | 1°13 | 8° 3 | 25°12 | 0≈ 0 | 23°31 | 23° 5 | 20° 6 | 19°31 | S 5 |
| S 6 | 12 58 23 | 16°30'15 | 17°52 | 26°35 | 1°35 | 7°27 | 16°15 | 1°8 | 8° 5 | 25°10 | 0° 1 | 23°24 | 23° 1 | 20°13 | 19°35 | S 6 |
| M 7 | 13 2 19 | 17°29'10 | 2 Υ 58 | 28°15 | 2°26 | 7° 5 | 16°20 | 1° 4 | 8° 8 | 25° 9 | 0° 2 | 23°15 | 22°58 | 20°20 | 19°39 | M 7 |
| T 8 | 13 6 16 | 18°28'02 | 18°17 | 29°56 | 3°16 | 6°42 | 16°25 | 1° 0 | 8°10 | 25° 7 | 0° 2 | 23° 4 | 22°55 | 20°27 | 19°42 | T 8 |
| W 9 | 13 10 13 | 19°26'53 | 3 8 36 | 1 Υ 39 | 4° 5 | 6°20 | 16°30 | 0°55 | 8°13 | 25° 6 | 0° 3 | 22°53 | 22°52 | 20°33 | 19°46 | W 9 |
| T 10 F 11 | 13 14 9 13 18 6 | 20°25'42 21°24'28 | 18°46 3 ∏ 35 | 3°23 5° 9 | 4°54 5°41 | 5°59 5°37 | 16°35 16°40 | 0°51 0°46 | 8°16 8°18 | 25° 4 25° 3 | 0° 4 0° 4 | 22°43 22°35 | 22°49 22°46 | 20°40 20°47 | 19°50 19°54 | T 10 F 11 |
| S 12 | 13 16 0 | 21°24'28 22°23'13 | 17°58 | 6°56 | 6°28 | 5°17 | 16°46 | 0°42 | 8°21 | 25° 2 | 0° 5 | 22°29 | 22°42 | 20°54 | 19°57 | S 12 |
| | | | | | | | | - | | | | | | | | |
| S 13 | 13 25 59 | 23°21'55 | 1952 | 8°45 | 7°14 | 4°56 | 16°52 | 0°37 | 8°24 | 25° 0 | 0° 5 | 22°27 | 22°39 | 21° 0 | 20° 1 | S 13 |
| M14 T 15 | 13 29 55 13 33 52 | 24°20'35 25°19'12 | 15°17 28°17 | 10°36 12°28 | 7°59 8°43 | 4°36 4°17 | 16°58 17° 4 | 0°33 0°28 | 8°26 8°29 | 24°59 24°57 | 0° 6 0° 6 | 22°26 22°26 | 22°36 22°33 | 21° 7 21°14 | 20° 5 20° 8 | M14 T 15 |
| W16 | 13 33 32 | 26°17'48 | $10\Omega 56$ | 14°22 | 9°26 | 3°58 | 17°10 | 0°24 | 8°32 | 24°56 | 0° 7 | 22°25 | 22°30 | 21°20 | 20°12 | W16 |
| T 17 | 13 41 45 | 27°16'21 | 23°17 | 16°17 | 10° 8 | 3°40 | 17°17 | 0°19 | 8°35 | 24°55 | 0° 7 | 22°23 | 22°27 | 21°27 | 20°16 | T 17 |
| F 18 | 13 45 42 | 28°14'52 | 5 m 26 | 18°14 | 10°48 | 3°22 | 17°23 | 0°15 | 8°38 | 24°53 | 0° 7 | 22°19 | 22°23 | 21°34 | 20°19 | F 18 |
| S 19 | 13 49 38 | 29°13'21 | 17°27 | 20°12 | 11°28 | 3° 5 | 17°30 | 0°10 | 8°40 | 24°52 | 0° 8 | 22°11 | 22°20 | 21°41 | 20°23 | S 19 |
| S 20 | 13 53 35 | 0 8 11'47 | 29°22 | 22°12 | 12° 7 | 2°49 | 17°37 | 0° 6 | 8°43 | 24°51 | 0° 8 | 22° 1 | 22°17 | 21°47 | 20°27 | S 20 |
| M21 | 13 57 31 | 1°10'12 | 11 ≏ 15 | 24°13 | 12°44 | 2°34 | 17°44 | 0° 1 | 8°46 | 24°49 | 0° 8 | 21°49 | 22°14 | 21°54 | 20°30 | M21 |
| T 22 | 14 1 28 | 2° 8'35 | 23° 7 | 26°16 | 13°20 | 2°19 | 17°51 | 29 Ω 56 | 8°49 | 24°48 | 0° 9 | 21°35 | 22°11 | 22° 1 | 20°34 | T 22 |
| W23 | 14 5 24 | 3° 6'56 | 5 M 1 | 28°20 | 13°55 | 2° 5 | 17°58 | 29°52 | 8°52 | 24°47 | 0° 9 | 21°22 | 22° 7 | 22° 8 | 20°38 | W23 |
| T 24 | 14 9 21 | 4° 5'15 | 16°56 | 0826 | 14°28 | 1°51 | 18° 5 | 29°47 | 8°55 | 24°46 | 0° 9 | 21° 9 | 22° 4 | 22°14 | 20°41 | T 24 |
| F 25 | 14 13 17 | 5° 3'32 | 28°56 | 2°32 | 15° 0 | 1°38 | 18°13 | 29°43 | 8°58 | 24°45 | 0° 9 | 20°57 | 22° 1 | 22°21 | 20°45 | F 25 |
| S 26 | 14 17 14 | 6° 1'48 | 117/1 | 4°40 | 15°30 | 1°26 | 18°21 | 29°38 | 9° 2 | 24°43 | 0° 9 | 20°49 | 21°58 | 22°28 | 20°49 | S 26 |
| S 27 | 14 21 11 | 7° 0'02 | 23°13 | 6°48 | 15°59 | 1°15 | 18°28 | 29°34 | 9° 5 | 24°42 | 0° 9 | 20°43 | 21°55 | 22°34 | 20°52 | S 27 |
| M28 | 14 25 7 | 7°58'14 | 5 云 36 | 8°58 | 16°26 | 1° 5 | 18°36 | 29°29 | 9° 8 | 24°41 | 0°10 | 20°40 | 21°52 | 22°41 | 20°56 | M28 |
| T 29 | 14 29 4 | 8°56'25 | 18°13 | 11° 7 | 16°52 | 0°55 | 18°44 | 29°25 | 9°11 | 24°40 | 0°10 | 20°D39 | 21°48 | 22°48 | 20°59 | T 29 |
| W30 | 14 33 0 | 9 8 54'35 | 1≈ 7 | 13 8 17 | 17 I I16 | 0 ჲ 46 | 18952 | 29 ≏ 20 | 9 Ⅱ 14 | 24 Mp 39 | 0≈10 | 209540 | 219545 | 22 ₾ 55 | 21 ° 3 | W30 |

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| T 1 | | | | φ | φ | ♂ | 4 | ħ |)f(| , | В | U | Ω | Ç | ę, | Day |
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| 1 1 | 14 36 57 | 10852'43 | 14≈22 | 15 8 26 | 17 耳 38 | 0°R38 | 1999 1 | 29°R16 | 9 Ⅱ 17 | 24°R38 | 0°R10 | 20°R40 | 219542 | 23 ♀ 1 | 21 ° 6 | T 1 |
| F 2 | 14 40 53 | 11°50'49 | 28° 2 | 17°36 | 17°59 | 0 ჲ 31 | 19° 9 | 29 ₽ 11 | 9°20 | 24 Mp 37 | 0≈10 | 20939 | 21°39 | 23° 8 | 21°10 | F 2 |
| S 3 | 14 44 50 | 12°48'54 | 12 ∺ 8 | 19°44 | 18°17 | 0°25 | 19°18 | 29° 7 | 9°24 | 24°36 | 0°10 | 20°36 | 21°36 | 23°15 | 21°13 | S 3 |
| | 14 48 46 | 13°46'58 | 26°39 | 21°52 | 18°34 | 0°19 | 19°26 | 29° 3 | 9°27 | 24°35 | 0°10 | 20°30 | 21°32 | 23°21 | 21°17 | S 4 |
| | 14 52 43 | 14°45'01 | 11 Y 33 | 23°58 | 18°49 | 0°14 | 19°35 | 28°58 | 9°30 | 24°34 | 0° 9 | 20°23 | 21°29 | 23°28 | 21°20 | M 5 |
| | 14 56 40 | 15°43'02 | 26°41 | 26° 3 | 19° 1 | 0°10 | 19°44 | 28°54 | 9°34 | 24°33 | 0° 9 | 20°13 | 21°26 | 23°35 | 21°24 | T 6 |
| W 7 | 15 0 36 | 16°41'01 | 11 8 55 | 28° 6 | 19°12 | 0° 7 | 19°53 | 28°50 | 9°37 | 24°32 | 0° 9 | 20° 4 | 21°23 | 23°42 | 21°27 | W 7 |
| T 8 | 15 4 33 | 17°38'59 | 27° 3 | 0 Ⅱ 8 | 19°20 | 0° 4 | 20° 2 | 28°46 | 9°40 | 24°31 | 0° 9 | 19°55 | 21°20 | 23°48 | 21°31 | T 8 |
| F 9 | 15 8 29 | 18°36'55 | 11 II 55 | 2° 6 | 19°27 | 0° 2 | 20°11 | 28°41 | 9°44 | 24°30 | 0° 9 | 19°48 | 21°17 | 23°55 | 21°34 | F 9 |
| S 10 | 15 12 26 | 19°34'50 | 26°24 | 4° 3 | 19°31 | 0° 2 | 20°20 | 28°37 | 9°47 | 24°30 | 0° 9 | 19°44 | 21°13 | 24° 2 | 21°38 | S 10 |
| | 15 16 22 | 20°32'43 | 109525 | 5°57 | 19°R32 | 0°D 1 | 20°30 | 28°33 | 9°50 | 24°29 | 0° 8 | 19°42 | 21°10 | 24° 9 | 21°41 | S 11 |
| | 15 20 19 | 21°30'35 | 23°58 | 7°47 | 19°31 | 0° 2 | 20°39 | 28°29 | 9°54 | 24°28 | 0° 8 | 19°D42 | 21° 7 | 24°15 | 21°44 | M12 |
| | 15 24 15 | 22°28'24 | 7 Ω 3 | 9°36 | 19°28 | 0° 3 | 20°49 | 28°25 | 9°57 | 24°27 | 0° 8 | 19°42 | 21° 4 | 24°22 | 21°48 | T 13 |
| | 15 28 12 | 23°26'12 | 19°45 | 11°21 | 19°23 | 0° 6 | 20°59 | 28°21 | 10° 1 | 24°27 | 0° 7 | 19°R43 | 21° 1 | 24°29 | 21°51 | W14 |
| | 15 32 9 | 24°23'58 | 2Mp 8 | 13° 2 | 19°15 | 0° 9 | 21° 8 | 28°17 | 10° 4 | 24°26 | 0° 7 | 19°43 | 20°58 | 24°35 | 21°54 | T 15 |
| F 16 | 15 36 5 | 25°21'43 | 14°17 | 14°41 | 19° 4 | 0°12 | 21°18 | 28°14 | 10° 7 | 24°25 | 0° 7 | 19°41 | 20°54 | 24°42 | 21°57 | F 16 |
| S 17 | 15 40 2 | 26°19'26 | 26°16 | 16°17 | 18°51 | 0°17 | 21°28 | 28°10 | 10°11 | 24°25 | 0° 6 | 19°37 | 20°51 | 24°49 | 22° 1 | S 17 |
| | 15 43 58 | 27°17'07 | 8 亞 9 | 17°49 | 18°36 | 0°22 | 21°39 | 28° 6 | 10°14 | 24°24 | 0° 6 | 19°30 | 20°48 | 24°56 | 22° 4 | S 18 |
| - | 15 47 55 | 28°14'47 | 20° 1 | 19°18 | 18°18 | 0°27 | 21°49 | 28° 2 | 10°18 | 24°24 | 0° 5 | 19°22 | 20°45 | 25° 2 | 22° 7 | M19 |
| | 15 51 51 | 29°12'25 | 1 M 54 | 20°43 | 17°58 | 0°34 | 21°59 | 27°59 | 10°21 | 24°23 | 0° 5 | 19°13 | 20°42 | 25° 9 | 22°10 | T 20 |
| | 15 55 48 | 0∏10′02 | 13°50 | 22° 5 | 17°36 | 0°41 | 22° 9 | 27°55 | 10°25 | 24°23 | 0° 4 | 19° 4 | 20°38 | 25°16 | 22°13 | W21 |
| | 15 59 44 | 1° 7'37 | 25°52 | 23°24 | 17°12 | 0°49 | 22°20 | 27°52 | 10°28 | 24°22 | 0° 4 | 18°55 | 20°35 | 25°22 | 22°16 | T 22 |
| | 16 3 41 | 2° 5'12 | 8 × 7 0 | 24°39 | 16°45 | 0°57 | 22°30 | 27°49 | 10°32 | 24°22 | 0° 3 | 18°48 | 20°32 | 25°29 | 22°19 | F 23 |
| S 24 | 16 7 38 | 3° 2'45 | 20°16 | 25°50 | 16°17 | 1° 6 | 22°41 | 27°45 | 10°35 | 24°22 | 0° 2 | 18°42 | 20°29 | 25°36 | 22°22 | S 24 |
| S 25 | 16 11 34 | 4° 0'17 | 2 ප් 41 | 26°58 | 15°46 | 1°16 | 22°52 | 27°42 | 10°39 | 24°21 | 0° 2 | 18°39 | 20°26 | 25°43 | 22°25 | S 25 |
| | 16 15 31 | 4°57'49 | 15°17 | 28° 2 | 15°14 | 1°27 | 23° 2 | 27°39 | 10°42 | 24°21 | 0° 1 | 18°D38 | 20°23 | 25°49 | 22°28 | M26 |
| T 27 | 16 19 27 | 5°55'19 | 28° 5 | 29° 3 | 14°41 | 1°37 | 23°13 | 27°36 | 10°46 | 24°21 | 0° 0 | 18°38 | 20°19 | 25°56 | 22°31 | T 27 |
| W28 | 16 23 24 | 6°52'48 | 11≈ 8 | 29°59 | 14° 6 | 1°49 | 23°24 | 27°33 | 10°49 | 24°20 | 29 궁 59 | 18°39 | 20°16 | 26° 3 | 22°34 | W28 |
| | 16 27 20 | 7°50'17 | 24°28 | 0952 | 13°31 | 2° 1 | 23°35 | 27°30 | 10°53 | 24°20 | 29°59 | 18°41 | 20°13 | 26°10 | 22°37 | T 29 |
| | 16 31 17 | 8°47'45 | 8 ∺ 7 | 1°41 | 12°54 | 2°14 | 23°46 | 27°27 | 10°57 | 24°20 | 29°58 | 18°R41 | 20°10 | 26°16 | 22°40 | F 30 |
| S 31 | 16 35 13 | 9 Ⅱ 45'12 | 22 米 6 | 29525 | 12 Ⅱ 17 | 2 ≏ 27 | 239558 | 27 ≏ 24 | 11 II 0 | 24 Mp 20 | 29 궁 57 | 189541 | 20 | 26 ₽ 23 | 22 Y 42 | S 31 |

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| Day | Sid.t | \odot | D | φ | Ŷ | o ⁷ | 4 | ħ |)γ(| ¥ | 2 | ß | Ω | ţ | δ | Day |
|------|----------|-------------------|----------------|--------------|----------------|----------------|--------------|----------------|----------------|----------|----------------|--------|--------|----------------|----------------|------|
| S 1 | 16 39 10 | 10 Ⅱ 42'39 | 6 Υ 24 | 3 9 6 | 11°R39 | 2 ≏ 41 | 2495 9 | 27°R21 | 11 I 4 | 24°R20 | 29°R57 | 18°R38 | 2095 4 | 26 ♀ 30 | 22 Y 45 | S 1 |
| M 2 | 16 43 7 | 11°40'05 | 21° 0 | 3°42 | 11 II 2 | 2°55 | 24°20 | 27 ≏ 19 | 11° 7 | 24 Mp 19 | 29 궁 56 | 18935 | 20° 0 | 26°36 | 22°48 | M 2 |
| T 3 | 16 47 3 | 12°37'30 | 5 8 48 | 4°14 | 10°24 | 3°10 | 24°32 | 27°16 | 11°11 | 24°19 | 29°55 | 18°30 | 19°57 | 26°43 | 22°51 | T 3 |
| W 4 | 16 51 0 | 13°34'54 | 20°41 | 4°42 | 9°47 | 3°26 | 24°43 | 27°14 | 11°14 | 24°19 | 29°54 | 18°25 | 19°54 | 26°50 | 22°53 | W 4 |
| T 5 | 16 54 56 | 14°32'18 | 5 Ⅱ 31 | 5° 5 | 9°10 | 3°42 | 24°55 | 27°11 | 11°18 | 24°D19 | 29°53 | 18°20 | 19°51 | 26°57 | 22°56 | T 5 |
| F 6 | 16 58 53 | 15°29'42 | 20°11 | 5°24 | 8°35 | 3°58 | 25° 6 | 27° 9 | 11°21 | 24°19 | 29°52 | 18°17 | 19°48 | 27° 3 | 22°58 | F 6 |
| S 7 | 17 2 49 | 16°27'04 | 4932 | 5°38 | 8° 0 | 4°15 | 25°18 | 27° 7 | 11°25 | 24°19 | 29°51 | 18°14 | 19°44 | 27°10 | 23° 1 | S 7 |
| S 8 | 17 6 46 | 17°24'26 | 18°31 | 5°48 | 7°27 | 4°33 | 25°29 | 27° 5 | 11°28 | 24°20 | 29°51 | 18°D14 | 19°41 | 27°17 | 23° 3 | S 8 |
| M 9 | 17 10 42 | 18°21'46 | 2 N 5 | 5°53 | 6°54 | 4°51 | 25°41 | 27° 3 | 11°32 | 24°20 | 29°50 | 18°14 | 19°38 | 27°24 | 23° 6 | M 9 |
| T 10 | 17 14 39 | 19°19'06 | 15°14 | 5°R54 | 6°24 | 5°10 | 25°53 | 27° 1 | 11°35 | 24°20 | 29°49 | 18°16 | 19°35 | 27°30 | 23° 8 | T 10 |
| W11 | 17 18 36 | 20°16'25 | 28° 0 | 5°50 | 5°55 | 5°28 | 26° 5 | 26°59 | 11°39 | 24°20 | 29°48 | 18°17 | 19°32 | 27°37 | 23°11 | W11 |
| T 12 | 17 22 32 | 21°13'43 | 10 m 27 | 5°42 | 5°28 | 5°48 | 26°17 | 26°57 | 11°42 | 24°20 | 29°47 | 18°19 | 19°29 | 27°44 | 23°13 | T 12 |
| F 13 | 17 26 29 | 22°11'00 | 22°38 | 5°29 | 5° 3 | 6° 8 | 26°29 | 26°56 | 11°46 | 24°20 | 29°46 | 18°R19 | 19°25 | 27°50 | 23°15 | F 13 |
| S 14 | 17 30 25 | 23° 8'16 | 4 Ω 39 | 5°12 | 4°41 | 6°28 | 26°41 | 26°54 | 11°49 | 24°21 | 29°44 | 18°18 | 19°22 | 27°57 | 23°17 | S 14 |
| S 15 | 17 34 22 | 24° 5'31 | 16°33 | 4°52 | 4°20 | 6°49 | 26°53 | 26°53 | 11°53 | 24°21 | 29°43 | 18°17 | 19°19 | 28° 4 | 23°20 | S 15 |
| M16 | 17 38 18 | 25° 2'46 | 28°26 | 4°28 | 4° 2 | 7°10 | 27° 5 | 26°51 | 11°56 | 24°21 | 29°42 | 18°14 | 19°16 | 28°11 | 23°22 | M16 |
| T 17 | 17 42 15 | 26° 0'00 | 10ML20 | 4° 1 | 3°46 | 7°31 | 27°18 | 26°50 | 12° 0 | 24°22 | 29°41 | 18°11 | 19°13 | 28°17 | 23°24 | T 17 |
| W18 | 17 46 11 | 26°57'13 | 22°20 | 3°32 | 3°33 | 7°53 | 27°30 | 26°49 | 12° 3 | 24°22 | 29°40 | 18° 7 | 19°10 | 28°24 | 23°26 | W18 |
| T 19 | 17 50 8 | 27°54'26 | 4 ₹ 29 | 3° 0 | 3°21 | 8°16 | 27°42 | 26°48 | 12° 7 | 24°23 | 29°39 | 18° 4 | 19° 6 | 28°31 | 23°28 | T 19 |
| F 20 | 17 54 5 | 28°51'39 | 16°47 | 2°26 | 3°13 | 8°39 | 27°54 | 26°47 | 12°10 | 24°23 | 29°38 | 18° 2 | 19° 3 | 28°37 | 23°30 | F 20 |
| S 21 | 17 58 1 | 29°48'51 | 29°17 | 1°52 | 3° 6 | 9° 2 | 28° 7 | 26°46 | 12°14 | 24°24 | 29°37 | 18° 0 | 19° 0 | 28°44 | 23°32 | S 21 |
| S 22 | 18 1 58 | 09546'02 | 11 る 59 | 1°16 | 3° 2 | 9°25 | 28°19 | 26°45 | 12°17 | 24°24 | 29°35 | 17°D59 | 18°57 | 28°51 | 23°34 | S 22 |
| M23 | 18 5 54 | 1°43'14 | 24°55 | 0°41 | 3°D 1 | 9°49 | 28°32 | 26°44 | 12°20 | 24°25 | 29°34 | 17°59 | 18°54 | 28°58 | 23°36 | M23 |
| T 24 | 18 9 51 | 2°40'25 | 8 ≈ 3 | 0° 7 | 3° 1 | 10°13 | 28°44 | 26°44 | 12°24 | 24°25 | 29°33 | 18° 0 | 18°50 | 29° 4 | 23°37 | T 24 |
| W25 | 18 13 47 | 3°37'36 | 21°25 | 29∏33 | 3° 5 | 10°38 | 28°57 | 26°43 | 12°27 | 24°26 | 29°32 | 18° 1 | 18°47 | 29°11 | 23°39 | W25 |
| T 26 | 18 17 44 | 4°34'48 | 5) 1 | 29° 2 | 3°10 | 11° 3 | 29°10 | 26°43 | 12°31 | 24°27 | 29°31 | 18° 2 | 18°44 | 29°18 | 23°41 | T 26 |
| F 27 | 18 21 41 | 5°31'59 | 18°49 | 28°33 | 3°17 | 11°28 | 29°22 | 26°42 | 12°34 | 24°27 | 29°29 | 18° 3 | 18°41 | 29°25 | 23°43 | F 27 |
| S 28 | 18 25 37 | 6°29'11 | 2 Ƴ 49 | 28° 7 | 3°27 | 11°53 | 29°35 | 26°42 | 12°37 | 24°28 | 29°28 | 18°R 3 | 18°38 | 29°31 | 23°44 | S 28 |
| S 29 | 18 29 34 | 7°26'22 | 17° 1 | 27°44 | 3°39 | 12°19 | 29°48 | 26°42 | 12°41 | 24°29 | 29°27 | 18° 3 | 18°35 | 29°38 | 23°46 | S 29 |
| M30 | 18 33 30 | 8923'34 | 1821 | 27Ⅲ25 | 3耳53 | 12 ≏ 45 | 0 N 0 | 26°D42 | 12 ∏ 44 | 24 Mp 30 | 29 궁 25 | 1895 2 | 18931 | 29 ≏ 45 | 23 Y 47 | M30 |

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|------|----------|------------------|-----------------|--------|----------------|----------------|---------------|----------------|----------------|----------|----------------|--------|--------|----------------|----------------|------|
| T 1 | 18 37 27 | 99520'47 | 15 8 47 | 27°R10 | 4 Ⅱ 8 | 13 ≏ 12 | 0 Ω 13 | 26 ₽ 42 | 12 Ⅱ 47 | 24 Mp 31 | 29°R24 | 18°R 2 | 189528 | 29 ≙ 51 | 23 Y 49 | T 1 |
| W 2 | 18 41 23 | 10°17'59 | 0 耳 15 | 26耳59 | 4°26 | 13°39 | 0°26 | 26°42 | 12°50 | 24°31 | 29 궁 23 | 1899 1 | 18°25 | 29°58 | 23°50 | W 2 |
| T 3 | 18 45 20 | 11°15'12 | 14°39 | 26°54 | 4°46 | 14° 6 | 0°39 | 26°43 | 12°54 | 24°32 | 29°21 | 18° 0 | 18°22 | OM 5 | 23°51 | T 3 |
| F 4 | 18 49 16 | 12°12'25 | 28°54 | 26°D53 | 5° 7 | 14°33 | 0°52 | 26°43 | 12°57 | 24°33 | 29°20 | 17°59 | 18°19 | 0°12 | 23°53 | F 4 |
| S 5 | 18 53 13 | 13° 9'39 | 12957 | 26°57 | 5°30 | 15° 1 | 1° 5 | 26°43 | 13° 0 | 24°34 | 29°19 | 17°D59 | 18°16 | 0°18 | 23°54 | S 5 |
| S 6 | 18 57 10 | 14° 6'52 | 26°42 | 27° 6 | 5°55 | 15°29 | 1°18 | 26°44 | 13° 3 | 24°35 | 29°17 | 17°59 | 18°12 | 0°25 | 23°55 | S 6 |
| M 7 | 19 1 6 | 15° 4'06 | 10 N 7 | 27°20 | 6°21 | 15°58 | 1°31 | 26°45 | 13° 6 | 24°36 | 29°16 | 17°59 | 18° 9 | 0°32 | 23°56 | M 7 |
| T 8 | 19 5 3 | 16° 1'19 | 23°13 | 27°39 | 6°49 | 16°26 | 1°44 | 26°46 | 13° 9 | 24°37 | 29°15 | 18° 0 | 18° 6 | 0°38 | 23°57 | T 8 |
| W 9 | 19 8 59 | 16°58'33 | 5 m 58 | 28° 4 | 7°18 | 16°55 | 1°57 | 26°46 | 13°13 | 24°38 | 29°13 | 18° 0 | 18° 3 | 0°45 | 23°59 | W 9 |
| T 10 | 19 12 56 | 17°55'47 | 18°26 | 28°34 | 7°49 | 17°24 | 2°10 | 26°47 | 13°16 | 24°39 | 29°12 | 18°R 0 | 18° 0 | 0°52 | 23°59 | T 10 |
| F 11 | 19 16 52 | 18°53'00 | 0 ჲ 39 | 29°10 | 8°21 | 17°54 | 2°23 | 26°48 | 13°19 | 24°40 | 29°11 | 18° 0 | 17°56 | 0°59 | 24° 0 | F 11 |
| S 12 | 19 20 49 | 19°50'14 | 12°41 | 29°50 | 8°54 | 18°23 | 2°36 | 26°50 | 13°22 | 24°42 | 29° 9 | 18° 0 | 17°53 | 1° 5 | 24° 1 | S 12 |
| S 13 | 19 24 45 | 20°47'28 | 24°36 | 0ණ36 | 9°29 | 18°53 | 2°49 | 26°51 | 13°25 | 24°43 | 29° 8 | 18°D 0 | 17°50 | 1°12 | 24° 2 | S 13 |
| M14 | 19 28 42 | 21°44'42 | 6ML29 | 1°27 | 10° 5 | 19°23 | 3° 2 | 26°52 | 13°28 | 24°44 | 29° 6 | 18° 0 | 17°47 | 1°19 | 24° 3 | M14 |
| T 15 | 19 32 39 | 22°41'56 | 18°25 | 2°23 | 10°42 | 19°54 | 3°15 | 26°54 | 13°31 | 24°45 | 29° 5 | 18° 0 | 17°44 | 1°26 | 24° 4 | T 15 |
| W16 | 19 36 35 | 23°39'11 | 0 ∡ 128 | 3°24 | 11°20 | 20°25 | 3°28 | 26°55 | 13°33 | 24°46 | 29° 4 | 18° 1 | 17°41 | 1°32 | 24° 4 | W16 |
| T 17 | 19 40 32 | 24°36'26 | 12°41 | 4°30 | 12° 0 | 20°56 | 3°41 | 26°57 | 13°36 | 24°48 | 29° 2 | 18° 1 | 17°37 | 1°39 | 24° 5 | T 17 |
| F 18 | 19 44 28 | 25°33'41 | 25° 7 | 5°41 | 12°40 | 21°27 | 3°55 | 26°59 | 13°39 | 24°49 | 29° 1 | 18° 2 | 17°34 | 1°46 | 24° 6 | F 18 |
| S 19 | 19 48 25 | 26°30'56 | 7 궁 50 | 6°57 | 13°22 | 21°58 | 4° 8 | 27° 0 | 13°42 | 24°50 | 28°59 | 18° 2 | 17°31 | 1°52 | 24° 6 | S 19 |
| S 20 | 19 52 21 | 27°28'13 | 20°50 | 8°17 | 14° 4 | 22°30 | 4°21 | 27° 2 | 13°45 | 24°52 | 28°58 | 18°R 3 | 17°28 | 1°59 | 24° 6 | S 20 |
| M21 | 19 56 18 | 28°25'29 | 4≈ 7 | 9°42 | 14°48 | 23° 2 | 4°34 | 27° 4 | 13°48 | 24°53 | 28°57 | 18° 2 | 17°25 | 2° 6 | 24° 7 | M21 |
| T 22 | 20 0 14 | 29°22'47 | 17°41 | 11°11 | 15°32 | 23°34 | 4°47 | 27° 7 | 13°50 | 24°54 | 28°55 | 18° 1 | 17°22 | 2°13 | 24° 7 | T 22 |
| W23 | 20 4 11 | $0\Omega 20'05$ | 1 米 29 | 12°45 | 16°17 | 24° 6 | 5° 1 | 27° 9 | 13°53 | 24°56 | 28°54 | 18° 0 | 17°18 | 2°19 | 24° 8 | W23 |
| T 24 | 20 8 8 | 1°17'24 | 15°29 | 14°22 | 17° 3 | 24°38 | 5°14 | 27°11 | 13°56 | 24°57 | 28°52 | 17°58 | 17°15 | 2°26 | 24° 8 | T 24 |
| F 25 | 20 12 4 | 2°14'43 | 29°36 | 16° 4 | 17°50 | 25°11 | 5°27 | 27°13 | 13°58 | 24°59 | 28°51 | 17°57 | 17°12 | 2°33 | 24° 8 | F 25 |
| S 26 | 20 16 1 | 3°12'04 | 13 Ƴ 49 | 17°49 | 18°38 | 25°44 | 5°40 | 27°16 | 14° 1 | 25° 0 | 28°50 | 17°56 | 17° 9 | 2°39 | 24° 8 | S 26 |
| S 27 | 20 19 57 | 4° 9'26 | 28° 4 | 19°37 | 19°27 | 26°17 | 5°53 | 27°19 | 14° 3 | 25° 2 | 28°48 | 17°D55 | 17° 6 | 2°46 | 24° 8 | S 27 |
| M28 | 20 23 54 | 5° 6'49 | 12 8 18 | 21°29 | 20°16 | 26°50 | 6° 7 | 27°21 | 14° 6 | 25° 3 | 28°47 | 17°55 | 17° 2 | 2°53 | 24°R 8 | M28 |
| T 29 | 20 27 50 | 6° 4'14 | 26°28 | 23°23 | 21° 6 | 27°24 | 6°20 | 27°24 | 14° 9 | 25° 5 | 28°45 | 17°56 | 16°59 | 3° 0 | 24° 8 | T 29 |
| W30 | 20 31 47 | 7° 1'39 | 10 II 33 | 25°20 | 21°56 | 27°58 | 6°33 | 27°27 | 14°11 | 25° 7 | 2 <u>8</u> °44 | 17°57 | 16°56 | 3° 6 | 24° 8 | W30 |
| T 31 | 20 35 43 | 7 Ω 59'06 | 24 I I31 | 279519 | 22 Ⅱ 48 | 28 ≏ 32 | 6 Ω 46 | 27 ≙ 30 | 14∏13 | 25 Mg 8 | 28 궁 42 | 179558 | 16953 | 3 M 13 | 24 Y 8 | T 31 |

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| Day | Sid.t | 0 | 9 | φ | Q. | ð | 4 | ħ | ¥ | ¥ | 2 | ß | Ω | Ç | Š | Day |
|------|----------|-------------------|-----------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|--------|---------------|----------------|------|
| F 1 | 20 39 40 | 8 Ω 56'34 | 89519 | 299519 | 23耳40 | 29 ♀ 6 | 7 Ω 0 | 27 ₽ 33 | 14∏16 | 25 m 10 | 28°R41 | 179559 | 16950 | 3M20 | 24°R 8 | F 1 |
| S 2 | 20 43 37 | 9°54'03 | 21°56 | 1 Ω 21 | 24°32 | 29°40 | 7°13 | 27°36 | 14°18 | 25°12 | 28 궁 40 | 17°R59 | 16°47 | 3°26 | 24 Y 7 | S 2 |
| S 3 | 20 47 33 | 10°51'33 | 5 Ω 20 | 3°24 | 25°25 | 0 M .14 | 7°26 | 27°39 | 14°20 | 25°13 | 28°38 | 17°58 | 16°43 | 3°33 | 24° 7 | S 3 |
| M 4 | 20 51 30 | 11°49'05 | 18°29 | 5°28 | 26°19 | 0°49 | 7°39 | 27°42 | 14°23 | 25°15 | 28°37 | 17°56 | 16°40 | 3°40 | 24° 7 | M 4 |
| T 5 | 20 55 26 | 12°46'37 | 1 m 23 | 7°32 | 27°13 | 1°24 | 7°53 | 27°46 | 14°25 | 25°17 | 28°36 | 17°53 | 16°37 | 3°47 | 24° 6 | T 5 |
| W 6 | 20 59 23 | 13°44'10 | 14° 1 | 9°36 | 28° 8 | 1°59 | 8° 6 | 27°49 | 14°27 | 25°19 | 28°34 | 17°49 | 16°34 | 3°53 | 24° 6 | W 6 |
| T 7 | 21 3 19 | 14°41'44 | 26°25 | 11°40 | 29° 3 | 2°34 | 8°19 | 27°53 | 14°29 | 25°20 | 28°33 | 17°45 | 16°31 | 4° 0 | 24° 5 | T 7 |
| F 8 | 21 7 16 | 15°39'19 | 8 亞 36 | 13°43 | 29°59 | 3°10 | 8°32 | 27°56 | 14°31 | 25°22 | 28°32 | 17°41 | 16°28 | 4° 7 | 24° 5 | F 8 |
| S 9 | 21 11 12 | 16°36'55 | 20°37 | 15°46 | 0 9 55 | 3°45 | 8°45 | 28° 0 | 14°34 | 25°24 | 28°30 | 17°37 | 16°24 | 4°13 | 24° 4 | S 9 |
| S 10 | 21 15 9 | 17°34'32 | 2 M 32 | 17°48 | 1°52 | 4°21 | 8°59 | 28° 4 | 14°36 | 25°26 | 28°29 | 17°35 | 16°21 | 4°20 | 24° 3 | S 10 |
| M11 | 21 19 6 | 18°32'10 | 14°24 | 19°49 | 2°49 | 4°57 | 9°12 | 28° 8 | 14°38 | 25°28 | 28°28 | 17°D34 | 16°18 | 4°27 | 24° 3 | M11 |
| T 12 | 21 23 2 | 19°29'49 | 26°19 | 21°49 | 3°47 | 5°33 | 9°25 | 28°12 | 14°39 | 25°29 | 28°26 | 17°34 | 16°15 | 4°34 | 24° 2 | T 12 |
| W13 | 21 26 59 | 20°27'29 | 8 ∡ 21 | 23°48 | 4°45 | 6° 9 | 9°38 | 28°16 | 14°41 | 25°31 | 28°25 | 17°35 | 16°12 | 4°40 | 24° 1 | W13 |
| T 14 | 21 30 55 | 21°25'10 | 2 <u>0</u> °35 | 25°46 | 5°43 | 6°46 | 9°51 | 28°20 | 14°43 | 25°33 | 28°24 | 17°37 | 16° 8 | 4°47 | 24° 0 | T 14 |
| F 15 | 21 34 52 | 22°22'53 | 3 ප 5 | 27°43 | 6°42 | 7°22 | 10° 4 | 28°24 | 14°45 | 25°35 | 28°22 | 17°38 | 16° 5 | 4°54 | 23°59 | F 15 |
| S 16 | 21 38 48 | 23°20'36 | 15°56 | 29°38 | 7°42 | 7°59 | 10°17 | 28°28 | 14°47 | 25°37 | 28°21 | 17°R39 | 16° 2 | 5° 0 | 23°58 | S 16 |
| S 17 | 21 42 45 | 24°18'21 | 29° 8 | 1 Mp 32 | 8°41 | 8°36 | 10°30 | 28°33 | 14°49 | 25°39 | 28°20 | 17°38 | 15°59 | 5° 7 | 23°57 | S 17 |
| M18 | 21 46 41 | 25°16'07 | 12≈44 | 3°24 | 9°41 | 9°13 | 10°43 | 28°37 | 14°50 | 25°41 | 28°19 | 17°36 | 15°56 | 5°14 | 23°56 | M18 |
| T 19 | 21 50 38 | 26°13'54 | 26°41 | 5°15 | 10°42 | 9°50 | 10°56 | 28°41 | 14°52 | 25°43 | 28°17 | 17°32 | 15°53 | 5°21 | 23°55 | T 19 |
| W20 | 21 54 35 | 27°11'43 | 10 米 56 | 7° 5 | 11°42 | 10°27 | 11° 9 | 28°46 | 14°54 | 25°45 | 28°16 | 17°27 | 15°49 | 5°27 | 23°54 | W20 |
| T 21 | 21 58 31 | 28° 9'33 | 25°23 | 8°53 | 12°44 | 11° 5 | 11°22 | 28°51 | 14°55 | 25°47 | 28°15 | 17°21 | 15°46 | 5°34 | 23°52 | T 21 |
| F 22 | 22 2 28 | 29° 7'24 | 9 Υ 58 | 10°40 | 13°45 | 11°43 | 11°35 | 28°55 | 14°57 | 25°49 | 28°14 | 17°15 | 15°43 | 5°41 | 23°51 | F 22 |
| S 23 | 22 6 24 | 0 m) 5'18 | 24°32 | 12°26 | 14°47 | 12°20 | 11°48 | 29° 0 | 14°58 | 25°51 | 28°13 | 17° 9 | 15°40 | 5°47 | 23°50 | S 23 |
| S 24 | 22 10 21 | 1° 3'13 | 9 8 0 | 14°10 | 15°49 | 12°58 | 12° 1 | 29° 5 | 14°59 | 25°53 | 28°12 | 17° 6 | 15°37 | 5°54 | 23°48 | S 24 |
| M25 | 22 14 17 | 2° 1'11 | 23°18 | 15°53 | 16°51 | 13°36 | 12°14 | 29°10 | 15° 1 | 25°55 | 28°10 | 17° 4 | 15°33 | 6° 1 | 23°47 | M25 |
| T 26 | 22 18 14 | 2°59'10 | 7∏24 | 17°35 | 17°54 | 14°15 | 12°26 | 29°15 | 15° 2 | 25°57 | 28° 9 | 17°D 4 | 15°30 | 6° 8 | 23°45 | T 26 |
| W27 | 22 22 10 | 3°57'11 | 21°15 | 19°16 | 18°57 | 14°53 | 12°39 | 29°20 | 15° 3 | 25°59 | 28° 8 | 17° 4 | 15°27 | 6°14 | 23°44 | W27 |
| T 28 | 22 26 7 | 4°55'14 | 4954 | 20°55 | 20° 0 | 15°31 | 12°52 | 29°25 | 15° 5 | 26° 1 | 28° 7 | 17° 6 | 15°24 | 6°21 | 23°42 | T 28 |
| F 29 | 22 30 4 | 5°53'19 | 18°19 | 22°33 | 21° 4 | 16°10 | 13° 5 | 29°30 | 15° 6 | 26° 4 | 28° 6 | 17°R 6 | 15°21 | 6°28 | 23°41 | F 29 |
| S 30 | 22 34 0 | 6°51'26 | 1 N 31 | 24°10 | 22° 8 | 16°49 | 13°17 | 29°35 | 15° 7 | 26° 6 | 28° 5 | 17° 5 | 15°18 | 6°34 | 23°39 | S 30 |
| S 31 | 22 37 57 | 7 m 49'35 | 14 \O 32 | 25 m 45 | 239612 | 17 M 28 | 13 Q 30 | 29 ≏ 41 | 15 II 8 | 26M) 8 | 28 궁 4 | 1795 2 | 159914 | 6 M 41 | 23 Y 37 | S 31 |

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|------|----------|--------------------|-----------------|----------------|---------------|----------------|----------------|----------------|-----------------|----------------|----------------|--------|--------|----------------|----------------|------|
| M 1 | 22 41 53 | 8 m) 47'45 | 27 Ω 22 | 27 m 19 | 249516 | 18 M 7 | 13 Ω 42 | 29 ≏ 46 | 15 I I 9 | 26 m 10 | 28°R 3 | 16°R56 | 159911 | 6 M .48 | 23°R35 | M 1 |
| T 2 | 22 45 50 | 9°45'57 | 9 m 59 | 28°52 | 25°21 | 18°46 | 13°55 | 29°51 | 15°10 | 26°12 | 28 궁 2 | 169549 | 15° 8 | 6°55 | 23 Y 33 | T 2 |
| W 3 | 22 49 46 | 10°44'11 | 22°26 | 0 ჲ 24 | 26°25 | 19°25 | 14° 8 | 29°57 | 15°11 | 26°14 | 28° 1 | 16°39 | 15° 5 | 7° 1 | 23°32 | W 3 |
| T 4 | 22 53 43 | 11°42'27 | 4 ≏ 42 | 1°55 | 27°31 | 20° 5 | 14°20 | 0 M 3 | 15°12 | 26°16 | 28° 0 | 16°29 | 15° 2 | 7° 8 | 23°30 | T 4 |
| F 5 | 22 57 39 | 12°40'44 | 16°48 | 3°24 | 28°36 | 20°44 | 14°32 | 0° 8 | 15°13 | 26°19 | 27°59 | 16°18 | 14°59 | 7°15 | 23°28 | F 5 |
| S 6 | 23 1 36 | 13°39'03 | 28°45 | 4°52 | 29°41 | 21°24 | 14°45 | 0°14 | 15°13 | 26°21 | 27°58 | 16° 9 | 14°55 | 7°21 | 23°26 | S 6 |
| S 7 | 23 5 32 | 14°37'23 | 10 M .38 | 6°19 | 0 Ω 47 | 22° 4 | 14°57 | 0°19 | 15°14 | 26°23 | 27°58 | 16° 2 | 14°52 | 7°28 | 23°24 | S 7 |
| M 8 | 23 9 29 | 15°35'46 | 22°28 | 7°45 | 1°53 | 22°44 | 15° 9 | 0°25 | 15°15 | 26°25 | 27°57 | 15°57 | 14°49 | 7°35 | 23°22 | M 8 |
| T 9 | 23 13 26 | 16°34'10 | 4 ₹ 20 | 9° 9 | 2°59 | 23°24 | 15°21 | 0°31 | 15°15 | 26°27 | 27°56 | 15°54 | 14°46 | 7°42 | 23°19 | T 9 |
| W10 | 23 17 22 | 17°32'35 | 16°19 | 10°33 | 4° 6 | 24° 4 | 15°34 | 0°37 | 15°16 | 26°30 | 27°55 | 15°D53 | 14°43 | 7°48 | 23°17 | W10 |
| T 11 | 23 21 19 | 18°31'02 | 28°30 | 11°54 | 5°12 | 24°44 | 15°46 | 0°43 | 15°16 | 26°32 | 27°54 | 15°53 | 14°39 | 7°55 | 23°15 | T 11 |
| F 12 | 23 25 15 | 19°29'31 | 10 궁 59 | 13°15 | 6°19 | 25°25 | 15°58 | 0°49 | 15°17 | 26°34 | 27°53 | 15°R54 | 14°36 | 8° 2 | 23°13 | F 12 |
| S 13 | 23 29 12 | 20°28'01 | 23°49 | 14°34 | 7°26 | 26° 5 | 16°10 | 0°55 | 15°17 | 26°36 | 27°53 | 15°54 | 14°33 | 8° 8 | 23°11 | S 13 |
| S 14 | 23 33 8 | 21°26'33 | 7 ≈ 5 | 15°52 | 8°33 | 26°46 | 16°22 | 1° 1 | 15°18 | 26°38 | 27°52 | 15°52 | 14°30 | 8°15 | 23° 8 | S 14 |
| M15 | 23 37 5 | 22°25'07 | 20°49 | 17° 8 | 9°41 | 27°27 | 16°34 | 1° 7 | 15°18 | 26°41 | 27°51 | 15°48 | 14°27 | 8°22 | 23° 6 | M15 |
| T 16 | 23 41 1 | 23°23'43 | 5 米 0 | 18°22 | 10°48 | 28° 7 | 16°45 | 1°13 | 15°18 | 26°43 | 27°51 | 15°41 | 14°24 | 8°29 | 23° 4 | T 16 |
| W17 | 23 44 58 | 24°22'20 | 19°35 | 19°35 | 11°56 | 28°48 | 16°57 | 1°20 | 15°18 | 26°45 | 27°50 | 15°32 | 14°20 | 8°35 | 23° 1 | W17 |
| T 18 | 23 48 55 | 25°20'59 | 4℃ 27 | 20°46 | 13° 4 | 29°30 | 17° 9 | 1°26 | 15°19 | 26°47 | 27°49 | 15°22 | 14°17 | 8°42 | 22°59 | T 18 |
| F 19 | 23 52 51 | 26°19'40 | 19°27 | 21°56 | 14°12 | 0 ₹ 11 | 17°20 | 1°32 | 15°19 | 26°50 | 27°49 | 15°12 | 14°14 | 8°49 | 22°56 | F 19 |
| S 20 | 23 56 48 | 27°18'23 | 4826 | 23° 3 | 15°20 | 0°52 | 17°32 | 1°38 | 15°R19 | 26°52 | 27°48 | 15° 2 | 14°11 | 8°55 | 22°54 | S 20 |
| S 21 | 0 0 44 | 28°17'09 | 19°14 | 24° 8 | 16°29 | 1°33 | 17°43 | 1°45 | 15°19 | 26°54 | 27°48 | 14°55 | 14° 8 | 9° 2 | 22°51 | S 21 |
| M22 | 0 441 | 29°15'57 | 3 Ⅱ 47 | 25°11 | 17°37 | 2°15 | 17°55 | 1°51 | 15°19 | 26°56 | 27°47 | 14°51 | 14° 5 | 9° 9 | 22°49 | M22 |
| T 23 | 0 8 37 | 0 ≏ 14'47 | 17°58 | 26°12 | 18°46 | 2°57 | 18° 6 | 1°58 | 15°19 | 26°59 | 27°47 | 14°48 | 14° 1 | 9°16 | 22°46 | T 23 |
| W24 | 0 12 34 | 1°13'40 | 19549 | 27°10 | 19°55 | 3°38 | 18°17 | 2° 4 | 15°18 | 27° 1 | 27°46 | 14°D48 | 13°58 | 9°22 | 22°44 | W24 |
| T 25 | 0 16 30 | 2°12'34 | 15°19 | 28° 6 | 21° 4 | 4°20 | 18°29 | 2°11 | 15°18 | 27° 3 | 27°46 | 14°R48 | 13°55 | 9°29 | 22°41 | T 25 |
| F 26 | 0 20 27 | 3°11'32 | 28°30 | 28°58 | 22°13 | 5° 2 | 18°40 | 2°17 | 15°18 | 27° 5 | 27°45 | 14°48 | 13°52 | 9°36 | 22°38 | F 26 |
| S 27 | 0 24 24 | 4°10'31 | 11 Ω 26 | 29°47 | 23°23 | 5°44 | 18°51 | 2°24 | 15°18 | 27° 7 | 27°45 | 14°45 | 13°49 | 9°42 | 22°36 | S 27 |
| S 28 | 0 28 20 | 5° 9'33 | 24° 9 | 0 M .33 | 24°32 | 6°26 | 19° 2 | 2°31 | 15°17 | 27°10 | 27°45 | 14°40 | 13°45 | 9°49 | 22°33 | S 28 |
| M29 | 0 32 17 | 6° 8'36 | 6 m 41 | 1°15 | 25°42 | 7° 9 | 19°13 | 2°37 | 15°17 | 27°12 | 27°44 | 14°32 | 13°42 | 9°56 | 22°30 | M29 |
| T 30 | 0 36 13 | 7 ♀ 7'42 | 19 m 3 | 1 M 53 | $26\Omega 52$ | 7 .₹ 51 | 19 Ω 24 | 2 M .44 | 15 Ⅱ 16 | 27 Mp 14 | 27 る 44 | 149521 | 13939 | 10 M 3 | 22 Y 28 | T 30 |

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| W 1 | 0 40 10 | 8₾ 6'50 | 1 ≏ 16 | 2M26 | 28 N 2 | 8 7 33 | 19 Ω 34 | 2 M .51 | 15°R16 | 27 Mp 16 | 27°R44 | 14°R 8 | 13936 | 10 M 9 | 22°R25 | W 1 |
| T 2 | 0 44 6 | 9° 6'00 | 13°22 | 2°54 | 29°12 | 9°16 | 19°45 | 2°58 | 15 Ⅱ 15 | 27°18 | 27 궁 43 | 139554 | 13°33 | 10°16 | 22 Y 22 | T 2 |
| F 3 | 0 48 3 | 10° 5'13 | 25°21 | 3°17 | 0 Mp 22 | 9°59 | 19°55 | 3° 5 | 15°15 | 27°21 | 27°43 | 13°39 | 13°30 | 10°23 | 22°19 | F 3 |
| S 4 | 0 51 59 | 11° 4'27 | 7 M 15 | 3°34 | 1°32 | 10°41 | 20° 6 | 3°11 | 15°14 | 27°23 | 27°43 | 13°26 | 13°26 | 10°29 | 22°17 | S 4 |
| S 5 | 0 55 56 | 12° 3'43 | 19° 5 | 3°45 | 2°43 | 11°24 | 20°16 | 3°18 | 15°13 | 27°25 | 27°43 | 13°15 | 13°23 | 10°36 | 22°14 | S 5 |
| M 6 | 0 59 52 | 13° 3'01 | 0 才 54 | 3°R49 | 3°54 | 12° 7 | 20°27 | 3°25 | 15°13 | 27°27 | 27°43 | 13° 7 | 13°20 | 10°43 | 22°11 | M 6 |
| T 7 | 1 3 49 | 14° 2'21 | 12°45 | 3°45 | 5° 4 | 12°50 | 20°37 | 3°32 | 15°12 | 27°29 | 27°43 | 13° 2 | 13°17 | 10°49 | 22° 8 | T 7 |
| W 8 | 1 7 46 | 15° 1'43 | 24°42 | 3°34 | 6°15 | 13°33 | 20°47 | 3°39 | 15°11 | 27°32 | 27°42 | 12°59 | 13°14 | 10°56 | 22° 5 | W 8 |
| T 9 | 1 11 42 | 16° 1'06 | 6 궁 50 | 3°15 | 7°26 | 14°17 | 20°57 | 3°46 | 15°10 | 27°34 | 27°42 | 12°58 | 13°10 | 11° 3 | 22° 3 | T 9 |
| F 10 | 1 15 39 | 17° 0'32 | 19°14 | 2°48 | 8°37 | 15° 0 | 21° 7 | 3°53 | 15° 9 | 27°36 | 27°D42 | 12°58 | 13° 7 | 11°10 | 22° 0 | F 10 |
| S 11 | 1 19 35 | 17°59'59 | 1≈59 | 2°12 | 9°48 | 15°43 | 21°16 | 4° 0 | 15° 8 | 27°38 | 27°42 | 12°58 | 13° 4 | 11°16 | 21°57 | S 11 |
| S 12 | 1 23 32 | 18°59'28 | 15°11 | 1°28 | 11° 0 | 16°27 | 21°26 | 4° 7 | 15° 7 | 27°40 | 27°42 | 12°56 | 13° 1 | 11°23 | 21°54 | S 12 |
| M13 | 1 27 28 | 19°58'58 | 28°51 | 0°36 | 12°11 | 17°10 | 21°36 | 4°14 | 15° 6 | 27°42 | 27°42 | 12°51 | 12°58 | 11°30 | 21°51 | M13 |
| T 14 | 1 31 25 | 20°58'31 | 13 米 3 | 29 ॒ 37 | 13°23 | 17°54 | 21°45 | 4°21 | 15° 5 | 27°44 | 27°43 | 12°44 | 12°55 | 11°36 | 21°48 | T 14 |
| W15 | 1 35 21 | 21°58'05 | 27°42 | 28°31 | 14°34 | 18°38 | 21°55 | 4°28 | 15° 3 | 27°46 | 27°43 | 12°35 | 12°51 | 11°43 | 21°45 | W15 |
| T 16 | 1 39 18 | 22°57'41 | 12 Y 44 | 27°21 | 15°46 | 19°21 | 22° 4 | 4°36 | 15° 2 | 27°48 | 27°43 | 12°24 | 12°48 | 11°50 | 21°43 | T 16 |
| F 17 | 1 43 15 | 23°57'19 | 27°59 | 26° 7 | 16°58 | 20° 5 | 22°13 | 4°43 | 15° 1 | 27°50 | 27°43 | 12°13 | 12°45 | 11°57 | 21°40 | F 17 |
| S 18 | 1 47 11 | 24°56'59 | 13 8 17 | 24°52 | 18°10 | 20°49 | 22°22 | 4°50 | 14°59 | 27°52 | 27°43 | 12° 3 | 12°42 | 12° 3 | 21°37 | S 18 |
| S 19 | 1 51 8 | 25°56'41 | 28°25 | 23°38 | 19°22 | 21°33 | 22°31 | 4°57 | 14°58 | 27°55 | 27°43 | 11°55 | 12°39 | 12°10 | 21°34 | S 19 |
| M20 | 1 55 4 | 26°56'26 | 13耳15 | 22°27 | 20°34 | 22°17 | 22°40 | 5° 4 | 14°57 | 27°57 | 27°44 | 11°50 | 12°36 | 12°17 | 21°31 | M20 |
| T 21 | 1 59 1 | 27°56'12 | 27°41 | 21°22 | 21°46 | 23° 1 | 22°48 | 5°11 | 14°55 | 27°59 | 27°44 | 11°47 | 12°32 | 12°23 | 21°28 | T 21 |
| W22 | 2 2 57 | 28°56'01 | 119541 | 20°24 | 22°59 | 23°46 | 22°57 | 5°19 | 14°54 | 28° 1 | 27°44 | 11°D46 | 12°29 | 12°30 | 21°25 | W22 |
| T 23 | 2 6 54 | 29°55'52 | 25°14 | 19°35 | 24°11 | 24°30 | 23° 5 | 5°26 | 14°52 | 28° 2 | 27°45 | 11°R47 | 12°26 | 12°37 | 21°23 | T 23 |
| F 24 | 2 10 50 | 0 M 55'46 | 8 Ω 24 | 18°56 | 25°24 | 25°14 | 23°14 | 5°33 | 14°51 | 28° 4 | 27°45 | 11°47 | 12°23 | 12°43 | 21°20 | F 24 |
| S 25 | 2 14 47 | 1°55'41 | 21°14 | 18°29 | 26°36 | 25°59 | 23°22 | 5°40 | 14°49 | 28° 6 | 27°45 | 11°45 | 12°20 | 12°50 | 21°17 | S 25 |
| S 26 | 2 18 44 | 2°55'39 | 3 m) 47 | 18°12 | 27°49 | 26°44 | 23°30 | 5°47 | 14°47 | 28° 8 | 27°46 | 11°41 | 12°16 | 12°57 | 21°14 | S 26 |
| M27 | 2 22 40 | 3°55'39 | 16° 7 | 18°D 8 | 29° 2 | 27°28 | 23°38 | 5°55 | 14°46 | 28°10 | 27°46 | 11°34 | 12°13 | 13° 4 | 21°11 | M27 |
| T 28 | 2 26 37 | 4°55'41 | 28°17 | 18°14 | 0 ჲ 15 | 28°13 | 23°46 | 6° 2 | 14°44 | 28°12 | 27°47 | 11°24 | 12°10 | 13°10 | 21° 9 | T 28 |
| W29 | 2 30 33 | 5°55'45 | 10 ≏ 20 | 18°31 | 1°27 | 28°58 | 23°53 | 6° 9 | 14°42 | 28°14 | 27°47 | 11°13 | 12° 7 | 13°17 | 21° 6 | W29 |
| T 30 | 2 34 30 | 6°55'51 | 22°18 | 18°58 | 2°40 | 2 <u>9</u> °42 | 24° 1 | 6°16 | 14°40 | 28°16 | 2 <u>7</u> °48 | 11° 0 | 12° 4 | 13°24 | 21° 3 | T 30 |
| F 31 | 2 38 26 | 7 M 55'59 | 4 M J11 | 19 ≏ 35 | 3 ≏ 54 | 0 궁 27 | 24 N 8 | 6M23 | 14 Ⅱ 38 | 28 Mp 18 | 27 る 48 | 109548 | 1295 1 | 13MJ30 | 21 ° 0 | F 31 |

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| S 1 | 2 42 23 | 8 M 56'09 | 16 M 2 | 20 ≏ 19 | 5 ♀ 7 | 1 ප 12 | 24 \O 16 | 6 M .31 | 14°R36 | 28 M 19 | 27 石 49 | 10°R36 | 11957 | 13 M .37 | 20°R58 | S 1 |
| S 2 | 2 46 19 | 9°56'20 | 27°52 | 21°12 | 6°20 | 1°57 | 24°23 | 6°38 | 14 Ⅱ 34 | 28°21 | 27°50 | 109526 | 11°54 | 13°44 | 20 Y 55 | S 2 |
| M 3 | 2 50 16 | 10°56'34 | 9 × 743 | 22°10 | 7°33 | 2°43 | 24°30 | 6°45 | 14°32 | 28°23 | 27°50 | 10°19 | 11°51 | 13°50 | 20°52 | M 3 |
| T 4 W 5 | 2 54 13 2 58 9 | 11°56'49 12°57'06 | 21°37 3 ♂ 37 | 23°15 24°24 | 8°47 10° 0 | 3°28 4°13 | 24°37 24°43 | 6°52 7° 0 | 14°30 14°28 | 28°25 28°26 | 27°51 27°52 | 10°14 10°12 | 11°48 11°45 | 13°57 14° 4 | 20°50 20°47 | T 4 W 5 |
| T 6 | 3 2 6 | 13°57'24 | 15°46 | 25°38 | 10°04 | 4°58 | 24°50 | 7° 7 | 14°26 | 28°28 | 27°53 | 10°D12 | 11°42 | 14°11 | 20°45 | T 6 |
| F 7 | 3 6 2 | 14°57'44 | 28° 9 | 26°56 | 12°27 | 5°44 | 24°56 | 7°14 | 14°24 | 28°30 | 27°53 | 10°13 | 11°38 | 14°17 | 20°42 | F 7 |
| S 8 | 3 9 59 | 15°58'05 | 10≈51 | 28°16 | 13°41 | 6°29 | 25° 2 | 7°21 | 14°22 | 28°31 | 27°54 | 10°R14 | 11°35 | 14°24 | 20°39 | S 8 |
| S 9 | 3 13 55 | 16°58'27 | 23°56 | 29°39 | 14°54 | 7°15 | 25° 9 | 7°28 | 14°20 | 28°33 | 27°55 | 10°14 | 11°32 | 14°31 | 20°37 | S 9 |
| M10 | 3 17 52 | 17°58'51 | 7 ∺ 28 | 1 m 5 | 16° 8 | 8° 0 | 25°14 | 7°35 | 14°18 | 28°35 | 27°56 | 10°12 | 11°29 | 14°37 | 20°34 | M10 |
| T 11 W12 | 3 21 48 | 18°59'16 | 21°28 5 Ƴ 57 | 2°32 4° 1 | 17°22 18°36 | 8°46 9°31 | 25°20 | 7°43 | 14°16 | 28°36 28°38 | 27°57 27°58 | 10° 8 10° 2 | 11°26 | 14°44 | 20°32 20°30 | T 11 W12 |
| T 13 | 3 25 45 3 29 42 | 19°59'43 21° 0'11 | 20°51 | 5°31 | 18°50 | 10°17 | 25°26 25°31 | 7°50 7°57 | 14°13 14°11 | 28°38 28°39 | 27°59 | 10° 2 9°55 | 11°22 11°19 | 14°51 14°57 | 20°30 20°27 | T 13 |
| F 14 | 3 33 38 | 22° 0'40 | 6 8 2 | 7° 2 | 21° 3 | 11° 3 | 25°37 | 8° 4 | 14° 9 | 28°41 | 28° 0 | 9°47 | 11°16 | 15° 4 | 20°25 | F 14 |
| S 15 | 3 37 35 | 23° 1'11 | 21°21 | 8°34 | 22°17 | 11°48 | 25°42 | 8°11 | 14° 6 | 28°42 | 28° 0 | 9°40 | 11°13 | 15°11 | 20°23 | S 15 |
| S 16 | 3 41 31 | 24° 1'43 | 6 Ⅱ 37 | 10° 6 | 23°31 | 12°34 | 25°47 | 8°18 | 14° 4 | 28°44 | 28° 1 | 9°35 | 11°10 | 15°18 | 20°20 | S 16 |
| M17 | 3 45 28 | 25° 2'17 | 21°39 | 11°39 | 24°46 | 13°20 | 25°52 | 8°25 | 14° 2 | 28°45 | 28° 3 | 9°31 | 11° 7 | 15°24 | 20°18 | M17 |
| T 18 | 3 49 24 | 26° 2'53 | 6918 | 13°13 | 26° 0 | 14° 6 | 25°56 | 8°32 | 13°59 | 28°47 | 28° 4 | 9°D30 | 11° 3 | 15°31 | 20°16 | T 18 |
| W19 | 3 53 21 | 27° 3'30 | 20°31 | 14°47 | 27°14 | 14°52 | 26° 1 | 8°39 | 13°57 | 28°48 28°49 | 28° 5 | 9°30 | 11° 0 | 15°38 | 20°14 | W19 |
| T 20 F 21 | 3 57 17 4 1 14 | 28° 4'09 29° 4'50 | 4 Ω 15 17°33 | 16°21 17°55 | 28°28 29°42 | 15°38 16°24 | 26° 5 26° 9 | 8°46 8°53 | 13°55 13°52 | 28°49 28°51 | 28° 6 28° 7 | 9°32 9°33 | 10°57 10°54 | 15°44 15°51 | 20°12 20°10 | T 20 F 21 |
| S 22 | 4 5 11 | 0 √ 5'32 | 0 Mp 26 | 19°29 | 0 M 57 | 17°10 | 26°13 | 9° 0 | 13°50 | 28°52 | 28° 8 | 9°R34 | 10°51 | 15°58 | 20° 7 | S 22 |
| S 23 | 4 9 7 | 1° 6'16 | 12°59 | 21° 3 | 2°11 | 17°56 | 26°17 | 9° 7 | 13°47 | 28°53 | 28° 9 | 9°33 | 10°48 | 16° 4 | 20° 5 | S 23 |
| M24 | 4 13 4 | 2° 7'01 | 25°16 | 22°37 | 3°26 | 18°43 | 26°20 | 9°14 | 13°45 | 28°54 | 28°10 | 9°30 | 10°44 | 16°11 | 20° 4 | M24 |
| T 25 | 4 17 0 | 3° 7'48 | 7 ≏ 21 | 24°12 | 4°40 | 19°29 | 26°24 | 9°21 | 13°42 | 28°56 | 28°12 | 9°26 | 10°41 | 16°18 | 20° 2 | T 25 |
| W26 | 4 20 57 | 4° 8'36 | 19°18 | 25°46 | 5°54 | 20°15 | 26°27 | 9°27 | 13°40 | 28°57 | 28°13 | 9°20 | 10°38 | 16°25 | 20° 0 | W26 |
| T 27 | 4 24 53 | 5° 9'26 | 1 M .10 | 27°20 | 7° 9 | 21° 2 | 26°30 | 9°34 | 13°37 | 28°58 | 28°14 | 9°14 | 10°35 | 16°31 | 19°58 | T 27 |
| F 28 | 4 28 50 | 6°10'17 | 13° 1 | 28°55 | 8°24 | 21°48 | 26°33 | 9°41 | 13°35 | 28°59 | 28°16 | 9° 7 | 10°32 | 16°38 | 19°56 | F 28 |
| S 29 | 4 32 46 | 7°11'10 | 24°51 | 0 ₹ 29 | 9°38 | 22°34 | 26°36 | 9°48 | 13°32 | 29° 0 | 28°17 | 9° 1 | 10°28 | 16°45 | 19°54 | S 29 |
| S 30 | 4 36 43 | 8 ≯ 12'04 | 6 ₹ 144 | 2 ₹ 3 | 10 M 53 | 23 중 21 | 26 Ω 38 | 9 M 54 | 13 Ⅱ 30 | 29 m) 1 | 28 궁 18 | 8 9 56 | 10925 | 16 M 51 | 19 Ƴ 53 | S 30 |

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Greg. Calendar

| DECEMBER 1777 | 00:00 UT |
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| Day | Sid.t | 0 | D | ğ | · | ♂ [™] | 4 | ħ | ᡟ | 并 | Р | £ | ಬ | Ç | ٧٥ | Day |
|------|---------|------------------|-----------------|----------------|-----------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|--------|-----------------|----------------|------|
| M 1 | 4 40 40 | 9 ∡ 12'58 | 18 × 41 | 3 , ₹37 | 12 m 7 | 24궁 7 | 26 Ω 40 | 10 M 1 | 13°R27 | 29 m 2 | 28 궁 20 | 8°R53 | 109522 | 16 M .58 | 19°R51 | M 1 |
| T 2 | 4 44 36 | 10°13'54 | 0 ප 43 | 5°11 | 13°22 | 24°54 | 26°43 | 10° 7 | 13 Ⅱ 25 | 29° 3 | 28°21 | 8951 | 10°19 | 17° 5 | 19 Y 49 | T 2 |
| W 3 | 4 48 33 | 11°14'51 | 12°53 | 6°46 | 14°37 | 25°40 | 26°44 | 10°14 | 13°22 | 29° 4 | 28°22 | 8°D51 | 10°16 | 17°11 | 19°48 | W 3 |
| T 4 | 4 52 29 | 12°15'49 | 25°12 | 8°20 | 15°51 | 26°27 | 26°46 | 10°21 | 13°19 | 29° 5 | 28°24 | 8°52 | 10°13 | 17°18 | 19°46 | T 4 |
| F 5 | 4 56 26 | 13°16'47 | 7≈44 | 9°54 | 17° 6 | 27°14 | 26°48 | 10°27 | 13°17 | 29° 6 | 28°25 | 8°53 | 10° 9 | 17°25 | 19°45 | F 5 |
| S 6 | 5 0 22 | 14°17'46 | 20°30 | 11°28 | 18°21 | 28° 0 | 26°49 | 10°33 | 13°14 | 29° 7 | 28°27 | 8°55 | 10° 6 | 17°32 | 19°44 | S 6 |
| S 7 | 5 4 19 | 15°18'46 | 3 ∺ 35 | 13° 2 | 19°36 | 28°47 | 26°50 | 10°40 | 13°12 | 29° 8 | 28°28 | 8°56 | 10° 3 | 17°38 | 19°42 | S 7 |
| M 8 | 5 8 15 | 16°19'46 | 17° 2 | 14°36 | 20°51 | 29°34 | 26°51 | 10°46 | 13° 9 | 29° 9 | 28°30 | 8°R57 | 10° 0 | 17°45 | 19°41 | M 8 |
| T 9 | 5 12 12 | 17°20'47 | 0 Υ 50 | 16°11 | 22° 5 | 0≈20 | 26°52 | 10°52 | 13° 7 | 29° 9 | 28°31 | 8°56 | 9°57 | 17°52 | 19°40 | T 9 |
| W10 | 5 16 9 | 18°21'48 | 15° 3 | 17°45 | 23°20 | 1° 7 | 26°53 | 10°59 | 13° 4 | 29°10 | 28°33 | 8°55 | 9°53 | 17°58 | 19°39 | W10 |
| T 11 | 5 20 5 | 19°22'50 | 29°36 | 19°19 | 24°35 | 1°54 | 26°53 | 11° 5 | 13° 2 | 29°11 | 28°34 | 8°52 | 9°50 | 18° 5 | 19°37 | T 11 |
| F 12 | 5 24 2 | 20°23'52 | 14827 | 20°54 | 25°50 | 2°41 | 26°R53 | 11°11 | 12°59 | 29°11 | 28°36 | 8°50 | 9°47 | 18°12 | 19°36 | F 12 |
| S 13 | 5 27 58 | 21°24'55 | 29°29 | 22°29 | 27° 5 | 3°28 | 26°53 | 11°17 | 12°57 | 29°12 | 28°37 | 8°48 | 9°44 | 18°18 | 19°35 | S 13 |
| S 14 | 5 31 55 | 22°25'58 | 14∏32 | 24° 3 | 28°20 | 4°14 | 26°53 | 11°23 | 12°54 | 29°13 | 28°39 | 8°46 | 9°41 | 18°25 | 19°34 | S 14 |
| M15 | 5 35 51 | 23°27'02 | 29°28 | 25°38 | 29°35 | 5° 1 | 26°53 | 11°29 | 12°52 | 29°13 | 28°41 | 8°45 | 9°38 | 18°32 | 19°34 | M15 |
| T 16 | 5 39 48 | 24°28'07 | 1495 9 | 27°13 | 0 才 50 | 5°48 | 26°52 | 11°35 | 12°49 | 29°14 | 28°42 | 8°D45 | 9°34 | 18°38 | 19°33 | T 16 |
| W17 | 5 43 45 | 25°29'12 | 28°28 | 28°49 | 2° 5 | 6°35 | 26°51 | 11°41 | 12°47 | 29°14 | 28°44 | 8°45 | 9°31 | 18°45 | 19°32 | W17 |
| T 18 | 5 47 41 | 26°30'18 | $12\Omega_{22}$ | 0 궁 24 | 3°20 | 7°22 | 26°50 | 11°47 | 12°44 | 29°15 | 28°46 | 8°46 | 9°28 | 18°52 | 19°31 | T 18 |
| F 19 | 5 51 38 | 27°31'24 | 25°49 | 2° 0 | 4°35 | 8° 9 | 26°49 | 11°53 | 12°42 | 29°15 | 28°47 | 8°47 | 9°25 | 18°59 | 19°30 | F 19 |
| S 20 | 5 55 34 | 28°32'31 | 8 m 50 | 3°36 | 5°50 | 8°56 | 26°48 | 11°58 | 12°39 | 29°16 | 28°49 | 8°48 | 9°22 | 19° 5 | 19°30 | S 20 |
| S 21 | 5 59 31 | 29°33'39 | 21°29 | 5°12 | 7° 5 | 9°43 | 26°46 | 12° 4 | 12°37 | 29°16 | 28°51 | 8°49 | 9°19 | 19°12 | 19°29 | S 21 |
| M22 | 6 3 27 | 0 ට 34'48 | 3 ≏ 49 | 6°48 | 8°20 | 10°30 | 26°44 | 12°10 | 12°34 | 29°16 | 28°53 | 8°R49 | 9°15 | 19°19 | 19°29 | M22 |
| T 23 | 6 7 24 | 1°35'56 | 15°55 | 8°24 | 9°35 | 11°17 | 26°42 | 12°15 | 12°32 | 29°17 | 28°54 | 8°49 | 9°12 | 19°25 | 19°28 | T 23 |
| W24 | 6 11 20 | 2°37'06 | 27°51 | 10° 1 | 10°50 | 12° 4 | 26°40 | 12°21 | 12°30 | 29°17 | 28°56 | 8°48 | 9° 9 | 19°32 | 19°28 | W24 |
| T 25 | 6 15 17 | 3°38'16 | 9 M .41 | 11°38 | 12° 5 | 12°51 | 26°38 | 12°26 | 12°27 | 29°17 | 28°58 | 8°47 | 9° 6 | 19°39 | 19°28 | T 25 |
| F 26 | 6 19 14 | 4°39'26 | 21°31 | 13°15 | 13°20 | 13°38 | 26°35 | 12°31 | 12°25 | 29°17 | 29° 0 | 8°47 | 9° 3 | 19°45 | 19°27 | F 26 |
| S 27 | 6 23 10 | 5°40'37 | 3 ≯ 23 | 14°52 | 14°36 | 14°25 | 26°33 | 12°37 | 12°23 | 29°17 | 29° 1 | 8°46 | 8°59 | 19°52 | 19°27 | S 27 |
| S 28 | 6 27 7 | 6°41'49 | 15°20 | 16°30 | 15°51 | 15°12 | 26°30 | 12°42 | 12°21 | 29°18 | 29° 3 | 8°46 | 8°56 | 19°59 | 19°27 | S 28 |
| M29 | 6 31 3 | 7°43'00 | 2 <u>7</u> °25 | 18° 7 | 17° 6 | 15°59 | 26°27 | 12°47 | 12°18 | 29°18 | 29° 5 | 8°46 | 8°53 | 20° 5 | 19°27 | M29 |
| T 30 | 6 35 0 | <u>8°44'11</u> | 9 云 39 | 1 <u>9</u> °44 | 18°21 | 16°46 | 26°23 | 12°52 | 12°16 | 29°18 | 29° 7 | 8°46 | 8°50 | 20°12 | 19°D27 | T 30 |
| W31 | 6 38 56 | 9 る 45'23 | 22 궁 5 | 21 る 22 | 19 ∡ ³36 | 17≈33 | 26 Ω 20 | 12 M 57 | 12∏14 | 29°R18 | 29중 9 | 8 9 346 | 8947 | 20 IL 19 | 19 Ƴ 27 | W31 |

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