

# Astrodienst Ephemeris Tables from the year 1900 for 50 years

#### 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 1900 00:00 UT

| Day  | Sid.t   | 0        | D              | ğ             | Q              | ♂              | 4             | ħ               | )∤(             | ¥              | Р              | n              | Ω              | Ç             | ķ               | Day  |
|------|---------|----------|----------------|---------------|----------------|----------------|---------------|-----------------|-----------------|----------------|----------------|----------------|----------------|---------------|-----------------|------|
| M 1  | 6 40 45 | 10ට 9'12 | 2 <b>ප</b> 25  | 19 <b>×</b> 0 | 6≈22           | 13 <b>る</b> 52 | 1 <b>×7</b> 8 | 27 <b>×</b> 743 | 10 <b>×</b> 7 8 | 25°R13         | 15°R15         | 20°R16         | 19 <b>×</b> 10 | 4 m 20        | 18 <b>×</b> 754 | M 1  |
| T 2  | 6 44 42 | 11°10'24 | 16°53          | 20°17         | 7°37           | 14°38          | 1°20          | 27°50           | 10°12           | 25耳11          | 15 <b>Ⅱ</b> 14 | 20 <b>∡</b> 15 | 19° 7          | 4°27          | 19° 0           | T 2  |
| W 3  | 6 48 38 | 12°11'35 | 1≈35           | 21°36         | 8°52           | 15°25          | 1°31          | 27°57           | 10°15           | 25°10          | 15°13          | 20°12          | 19° 3          | 4°33          | 19° 7           | W 3  |
| T 4  | 6 52 35 | 13°12'46 | 16°22          | 22°56         | 10° 6          | 16°11          | 1°43          | 28° 4           | 10°18           | 25° 8          | 15°12          | 20° 9          | 19° 0          | 4°40          | 19°14           | T 4  |
| F 5  | 6 56 31 | 14°13'57 | 1 <b>)</b> 8   | 24°17         | 11°21          | 16°57          | 1°55          | 28°11           | 10°21           | 25° 7          | 15°11          | 20° 6          | 18°57          | 4°47          | 19°20           | F 5  |
| S 6  | 7 0 28  | 15°15'08 | 15°45          | 25°40         | 12°35          | 17°44          | 2° 6          | 28°18           | 10°25           | 25° 5          | 15°10          | 20° 3          | 18°54          | 4°54          | 19°27           | S 6  |
| S 7  | 7 4 25  | 16°16'18 | 0 <b>Υ</b> 9   | 27° 3         | 13°50          | 18°30          | 2°17          | 28°25           | 10°28           | 25° 4          | 15° 9          | 20° 0          | 18°51          | 5° 0          | 19°34           | S 7  |
| M 8  | 7 8 21  | 17°17'27 | 14°15          | 28°27         | 15° 4          | 19°17          | 2°29          | 28°31           | 10°31           | 25° 2          | 15° 8          | 19°D59         | 18°47          | 5° 7          | 19°40           | M 8  |
| T 9  | 7 12 18 | 18°18'36 | 28° 3          | 29°52         | 16°19          | 20° 3          | 2°40          | 28°38           | 10°34           | 25° 0          | 15° 7          | 20° 0          | 18°44          | 5°14          | 19°46           | T 9  |
| W10  | 7 16 14 | 19°19'45 | 11833          | 1 <b>る</b> 18 | 17°33          | 20°50          | 2°51          | 28°45           | 10°37           | 24°59          | 15° 6          | 20° 1          | 18°41          | 5°20          | 19°53           | W10  |
| T 11 | 7 20 11 | 20°20'52 | 24°46          | 2°45          | 18°47          | 21°36          | 3° 2          | 28°52           | 10°40           | 24°57          | 15° 5          | 20° 3          | 18°38          | 5°27          | 19°59           | T 11 |
| F 12 | 7 24 7  | 21°22'00 | 7 <b>Ⅱ</b> 45  | 4°12          | 20° 2          | 22°23          | 3°13          | 28°59           | 10°43           | 24°56          | 15° 4          | 20° 4          | 18°35          | 5°34          | 20° 6           | F 12 |
| S 13 | 7 28 4  | 22°23'07 | 20°30          | 5°40          | 21°16          | 23° 9          | 3°24          | 29° 5           | 10°46           | 24°54          | 15° 3          | 20°R 5         | 18°32          | 5°41          | 20°12           | S 13 |
| S 14 | 7 32 0  | 23°24'13 | 395 4          | 7° 8          | 22°30          | 23°56          | 3°34          | 29°12           | 10°49           | 24°53          | 15° 3          | 20° 4          | 18°28          | 5°47          | 20°18           | S 14 |
| M15  | 7 35 57 | 24°25'19 | 15°28          | 8°37          | 23°44          | 24°43          | 3°45          | 29°19           | 10°52           | 24°52          | 15° 2          | 20° 1          | 18°25          | 5°54          | 20°24           | M15  |
| T 16 | 7 39 54 | 25°26'24 | 27°43          | 10° 7         | 24°59          | 25°29          | 3°56          | 29°25           | 10°55           | 24°50          | 15° 1          | 19°57          | 18°22          | 6° 1          | 20°31           | T 16 |
| W17  | 7 43 50 | 26°27'28 | 9 <b>Ω</b> 49  | 11°37         | 26°13          | 26°16          | 4° 6          | 29°32           | 10°58           | 24°49          | 15° 0          | 19°51          | 18°19          | 6° 7          | 20°37           | W17  |
| T 18 | 7 47 47 | 27°28'32 | 21°49          | 13° 8         | 27°27          | 27° 3          | 4°16          | 29°38           | 11° 1           | 24°47          | 14°59          | 19°44          | 18°16          | 6°14          | 20°43           | T 18 |
| F 19 | 7 51 43 | 28°29'36 | 3 <b>m</b> 44  | 14°40         | 28°41          | 27°50          | 4°27          | 29°45           | 11° 4           | 24°46          | 14°58          | 19°36          | 18°13          | 6°21          | 20°49           | F 19 |
| S 20 | 7 55 40 | 29°30'39 | 15°36          | 16°12         | 29°55          | 28°36          | 4°37          | 29°51           | 11° 6           | 24°45          | 14°58          | 19°29          | 18° 9          | 6°28          | 20°55           | S 20 |
| S 21 | 7 59 36 | 0≈31'41  | 27°28          | 17°45         | 1 <b>∺</b> 9   | 29°23          | 4°47          | 29°58           | 11° 9           | 24°43          | 14°57          | 19°23          | 18° 6          | 6°34          | 21° 1           | S 21 |
| M22  | 8 3 33  | 1°32'43  | 9 <b>₾</b> 23  | 19°18         | 2°23           | 0≈10           | 4°57          | 0る 4            | 11°12           | 24°42          | 14°56          | 19°18          | 18° 3          | 6°41          | 21° 7           | M22  |
| T 23 | 8 7 29  | 2°33'45  | 21°24          | 20°52         | 3°37           | 0°57           | 5° 7          | 0°11            | 11°14           | 24°41          | 14°55          | 19°15          | 18° 0          | 6°48          | 21°13           | T 23 |
| W24  | 8 11 26 | 3°34'46  | 3 <b>M</b> .38 | 22°26         | 4°51           | 1°44           | 5°17          | 0°17            | 11°17           | 24°39          | 14°55          | 19°D14         | 17°57          | 6°55          | 21°18           | W24  |
| T 25 | 8 15 23 | 4°35'46  | 16° 8          | 24° 1         | 6° 4           | 2°31           | 5°26          | 0°23            | 11°20           | 24°38          | 14°54          | 19°15          | 17°53          | 7° 1          | 21°24           | T 25 |
| F 26 | 8 19 19 | 5°36'46  | 29° 0          | 25°37         | 7°18           | 3°18           | 5°36          | 0°29            | 11°22           | 24°37          | 14°53          | 19°16          | 17°50          | 7° 8          | 21°30           | F 26 |
| S 27 | 8 23 16 | 6°37'46  | 12 <b>×</b> 17 | 27°13         | 8°32           | 4° 5           | 5°46          | 0°36            | 11°25           | 24°36          | 14°53          | 19°R17         | 17°47          | 7°15          | 21°35           | S 27 |
| S 28 | 8 27 12 | 7°38'45  | 26° 1          | 28°50         | 9°46           | 4°52           | 5°55          | 0°42            | 11°27           | 24°35          | 14°52          | 19°17          | 17°44          | 7°21          | 21°41           | S 28 |
| M29  | 8 31 9  | 8°39'43  | 10 <b>ਰ</b> 15 | 0≈28          | 10°59          | 5°39           | 6° 4          | 0°48            | 11°29           | 24°34          | 14°51          | 19°16          | 17°41          | 7°28          | 21°46           | M29  |
| T 30 | 8 35 5  | 9°40'40  | 24°54          | 2° 6          | 12°13          | 6°26           | 6°13          | <u>0</u> °54    | 11°32           | 24°32          | 14°51          | 19°11          | 17°38          | 7°35          | 21°52           | T 30 |
| W31  | 8 39 2  | 10≈41'36 | 9≈53           | 3≈45          | 13 <b>∺</b> 27 | 7≈13           | 6 <b>₹</b> 22 | 1る 0            | 11 <b>×</b> 34  | 24 <b>Ⅱ</b> 31 | 14 <b>Ⅱ</b> 50 | 19 <b>×</b> 5  | 17 <b>×</b> 34 | 7 <b>m</b> 42 | 21 <b>~</b> 57  | W31  |

Delta T = -1.99 sec

FEBRUARY 1900 00:00 UT

| Day  | Sid.t    | 0                | Ŋ              | φ              | ·                | ð     | 4              | ħ             | ፟፟፟፟፟           | ¥              | 2      | ß               | Ω               | ţ              | Š.            | Day  |
|------|----------|------------------|----------------|----------------|------------------|-------|----------------|---------------|-----------------|----------------|--------|-----------------|-----------------|----------------|---------------|------|
| T 1  | 8 42 58  | 11≈42'31         | 25≈ 4          | 5≈25           | 14 <b>) (</b> 40 | 8≈ 0  | 6 <b>₹</b> 31  | 1 ර ර         | 11 <b>∡</b> 736 | 24°R30         | 14°R49 | 18°R57          | 17 <b>×</b> 731 | 7 <b>m</b> /48 | 22 <b>×</b> 3 | T 1  |
| F 2  | 8 46 55  | 12°43'25         | 10 <b>米</b> 15 | 7° 5           | 15°53            | 8°47  | 6°40           | 1°12          | 11°39           | 24∏29          | 14∏49  | 18 <b>∡</b> ³48 | 17°28           | 7°55           | 22° 8         | F 2  |
| S 3  | 8 50 52  | 13°44'18         | 25°17          | 8°46           | 17° 7            | 9°34  | 6°49           | 1°18          | 11°41           | 24°28          | 14°48  | 18°40           | 17°25           | 8° 2           | 22°13         | S 3  |
| S 4  | 8 54 48  | 14°45'09         | 10 <b>Υ</b> 0  | 10°28          | 18°20            | 10°22 | 6°57           | 1°24          | 11°43           | 24°27          | 14°48  | 18°34           | 17°22           | 8° 8           | 22°18         | S 4  |
| M 5  | 8 58 45  | 15°45'59         | 24°20          | 12°11          | 19°33            | 11° 9 | 7° 6           | 1°29          | 11°45           | 24°26          | 14°47  | 18°29           | 17°18           | 8°15           | 22°23         | M 5  |
| T 6  | 9 2 41   | 16°46'47         | 8 <b>8</b> 14  | 13°54          | 20°47            | 11°56 | 7°14           | 1°35          | 11°47           | 24°25          | 14°47  | 18°27           | 17°15           | 8°22           | 22°28         | T 6  |
| W 7  | 9 6 38   | 17°47'34         | 21°42          | 15°39          | 22° 0            | 12°43 | 7°22           | 1°41          | 11°49           | 24°25          | 14°46  | 18°D27          | 17°12           | 8°29           | 22°33         | W 7  |
| T 8  | 9 10 34  | 18°48'19         | 4 <b>∏</b> 48  | 17°24          | 23°13            | 13°30 | 7°30           | 1°46          | 11°51           | 24°24          | 14°46  | 18°27           | 17° 9           | 8°35           | 22°38         | T 8  |
| F 9  | 9 14 31  | 19°49'03         | 17°34          | 19° 9          | 24°26            | 14°18 | 7°38           | 1°52          | 11°53           | 24°23          | 14°46  | 18°R28          | 17° 6           | 8°42           | 22°43         | F 9  |
| S 10 | 9 18 27  | 20°49'45         | 0ණ 5           | 20°56          | 25°39            | 15° 5 | 7°46           | 1°57          | 11°55           | 24°22          | 14°45  | 18°27           | 17° 3           | 8°49           | 22°48         | S 10 |
| S 11 | 9 22 24  | 21°50'26         | 12°24          | 22°43          | 26°52            | 15°52 | 7°53           | 2° 3          | 11°57           | 24°21          | 14°45  | 18°24           | 16°59           | 8°56           | 22°52         | S 11 |
| M12  | 9 26 21  | 22°51'05         | 24°33          | 24°31          | 28° 4            | 16°39 | 8° 1           | 2° 8          | 11°59           | 24°21          | 14°44  | 18°19           | 16°56           | 9° 2           | 22°57         | M12  |
| T 13 | 9 30 17  | 23°51'42         | 6 <b>Ω</b> 36  | 26°20          | 29°17            | 17°27 | 8° 8           | 2°13          | 12° 0           | 24°20          | 14°44  | 18°10           | 16°53           | 9° 9           | 23° 1         | T 13 |
| W14  | 9 34 14  | 24°52'18         | 18°35          | 28°10          | 0 <b>Υ</b> 30    | 18°14 | 8°15           | 2°18          | 12° 2           | 24°19          | 14°44  | 17°59           | 16°50           | 9°16           | 23° 6         | W14  |
| T 15 | 9 38 10  | 25°52'52         | 0 <b>m</b> y30 | 29°59          | 1°42             | 19° 1 | 8°22           | 2°24          | 12° 4           | 24°19          | 14°44  | 17°47           | 16°47           | 9°22           | 23°10         | T 15 |
| F 16 | 9 42 7   | 26°53'25         | 12°23          | 1 <b>米</b> 50  | 2°55             | 19°48 | 8°29           | 2°29          | 12° 5           | 24°18          | 14°43  | 17°33           | 16°44           | 9°29           | 23°15         | F 16 |
| S 17 | 9 46 3   | 27°53'56         | 24°15          | 3°42           | 4° 7             | 20°36 | 8°36           | 2°34          | 12° 7           | 24°17          | 14°43  | 17°20           | 16°40           | 9°36           | 23°19         | S 17 |
| S 18 | 9 50 0   | 28°54'26         | 6 <b>₾</b> 8   | 5°33           | 5°20             | 21°23 | 8°43           | 2°39          | 12° 8           | 24°17          | 14°43  | 17° 8           | 16°37           | 9°43           | 23°23         | S 18 |
| M19  | 9 53 56  | 29°54'55         | 18° 5          | 7°25           | 6°32             | 22°10 | 8°49           | 2°43          | 12°10           | 24°16          | 14°43  | 16°58           | 16°34           | 9°49           | 23°27         | M19  |
| T 20 | 9 57 53  | 0 <b>¥</b> 55'22 | OM 8           | 9°17           | 7°44             | 22°58 | 8°56           | 2°48          | 12°11           | 24°16          | 14°42  | 16°52           | 16°31           | 9°56           | 23°31         | T 20 |
| W21  | 10 1 50  | 1°55'48          | 12°20          | 11° 9          | 8°56             | 23°45 | 9° 2           | 2°53          | 12°13           | 24°15          | 14°42  | 16°48           | 16°28           | 10° 3          | 23°35         | W21  |
| T 22 | 10 5 46  | 2°56'12          | 24°47          | 13° 1          | 10° 8            | 24°32 | 9° 8           | 2°58          | 12°14           | 24°15          | 14°42  | 16°46           | 16°24           | 10° 9          | 23°39         | T 22 |
| F 23 | 10 9 43  | 3°56'35          | 7 <b>.</b> ₹32 | 14°52          | 11°20            | 25°19 | 9°14           | 3° 2          | 12°15           | 24°15          | 14°42  | 16°D46          | 16°21           | 10°16          | 23°43         | F 23 |
| S 24 | 10 13 39 | 4°56'57          | 20°41          | 16°42          | 12°32            | 26° 7 | 9°20           | 3° 7          | 12°16           | 24°14          | 14°42  | 16°R46          | 16°18           | 10°23          | 23°46         | S 24 |
| S 25 | 10 17 36 | 5°57'17          | 4 <b>ਰ</b> 16  | 18°32          | 13°44            | 26°54 | 9°25           | 3°11          | 12°17           | 24°14          | 14°42  | 16°45           | 16°15           | 10°30          | 23°50         | S 25 |
| M26  | 10 21 32 | 6°57'36          | 18°21          | 20°19          | 14°55            | 27°41 | 9°30           | 3°16          | 12°18           | 24°14          | 14°42  | 16°42           | 16°12           | 10°36          | 23°53         | M26  |
| T 27 | 10 25 29 | 7°57'54          | 2≈55           | 22° 5          | 16° 7            | 28°29 | 9°36           | 3°20          | 12°20           | 24°13          | 14°42  | 16°36           | 16° 9           | 10°43          | 23°57         | T 27 |
| W28  | 10 29 25 | 8 <b>¥</b> 58'09 | 17≈53          | 23 <b>米</b> 49 | 17 <b>Υ</b> 18   | 29≈16 | 9 <b>∡</b> 741 | 3 <b>⋜</b> 24 | 12 <b>×</b> 20  | 24 <b>I</b> 13 | 14°D42 | 16 <b>₹</b> 28  | 16 <b>才</b> 5   | 10 <b>m</b> 50 | 24 <b>×</b> 0 | W28  |

Delta T = -1.89 sec

MARCH 1900 00:00 UT

| Day  | Sid.t    | 0                  | D               | ğ               | Ŷ              | ð              | 4              | ħ             | )f(             | ¥              | Р     | Ω.            | v               | ţ               | ę<br>k          | Day  |
|------|----------|--------------------|-----------------|-----------------|----------------|----------------|----------------|---------------|-----------------|----------------|-------|---------------|-----------------|-----------------|-----------------|------|
| T 1  | 10 33 22 | 9 <b>)</b> € 58'23 | 3 <b>)</b> € 8  | 25 <b>)</b> (30 | 18 <b>Y</b> 30 | 0 <b>)</b> 3   | 9 <b>∡</b> 146 | 3 <b>る</b> 28 | 12 <b>√</b> 21  | 24°R13         | 14∏42 | 16°R17        | 16 <b>√</b> 2   | 10 <b>m</b> 57  | 24 <b>才</b> 3   | T 1  |
| F 2  | 10 37 19 | 10°58'36           | 18°30           | 27° 7           | 19°41          | 0°51           | 9°50           | 3°32          | 12°22           | 24 <b>Ⅱ</b> 13 | 14°42 | 16 <b>₹</b> 6 | 15°59           | 11° 3           | 24° 6           | F 2  |
| S 3  | 10 41 15 | 11°58'46           | 3 <b>℃</b> 46   | 28°41           | 20°52          | 1°38           | 9°55           | 3°36          | 12°23           | 24°13          | 14°42 | 15°54         | 15°56           | 11°10           | 24°10           | S 3  |
| S 4  | 10 45 12 | 12°58'55           | 18°46           | 0 <b>Υ</b> 10   | 22° 3          | 2°25           | 9°59           | 3°40          | 12°24           | 24°13          | 14°42 | 15°45         | 15°53           | 11°17           | 24°13           | S 4  |
| M 5  | 10 49 8  | 13°59'01           | 3 <b>8</b> 21   | 1°34            | 23°14          | 3°13           | 10° 4          | 3°44          | 12°25           | 24°13          | 14°42 | 15°38         | 15°50           | 11°23           | 24°15           | M 5  |
| T 6  | 10 53 5  | 14°59'05           | 17°27           | 2°52            | 24°25          | 4° 0           | 10° 8          | 3°48          | 12°25           | 24°D13         | 14°42 | 15°34         | 15°46           | 11°30           | 24°18           | T 6  |
| W 7  | 10 57 1  | 15°59'08           | 1 <b>I</b> I 4  | 4° 4            | 25°36          | 4°47           | 10°12          | 3°51          | 12°26           | 24°13          | 14°42 | 15°32         | 15°43           | 11°37           | 24°21           | W 7  |
| T 8  | 11 0 58  | 16°59'08           | 14°13           | 5°10            | 26°46          | 5°35           | 10°15          | 3°55          | 12°26           | 24°13          | 14°43 | 15°32         | 15°40           | 11°44           | 24°24           | T 8  |
| F 9  | 11 4 54  | 17°59'06           | 26°59           | 6° 8            | 27°57          | 6°22           | 10°19          | 3°58          | 12°27           | 24°13          | 14°43 | 15°32         | 15°37           | 11°50           | 24°26           | F 9  |
| S 10 | 11 8 51  | 18°59'01           | 99526           | 6°59            | 29° 7          | 7° 9           | 10°22          | 4° 2          | 12°27           | 24°13          | 14°43 | 15°31         | 15°34           | 11°57           | 24°29           | S 10 |
| S 11 | 11 12 48 | 19°58'55           | 21°38           | 7°41            | 0 <b>8</b> 17  | 7°56           | 10°26          | 4° 5          | 12°28           | 24°13          | 14°43 | 15°27         | 15°30           | 12° 4           | 24°31           | S 11 |
| M12  | 11 16 44 | 20°58'46           | 3 <b>Ω</b> 40   | 8°16            | 1°27           | 8°44           | 10°29          | 4° 8          | 12°28           | 24°13          | 14°43 | 15°21         | 15°27           | 12°11           | 24°33           | M12  |
| T 13 | 11 20 41 | 21°58'35           | 15°37           | 8°42            | 2°37           | 9°31           | 10°31          | 4°11          | 12°28           | 24°14          | 14°44 | 15°12         | 15°24           | 12°17           | 24°35           | T 13 |
| W14  | 11 24 37 | 22°58'22           | 27°29           | 9° 0            | 3°47           | 10°18          | 10°34          | 4°14          | 12°29           | 24°14          | 14°44 | 15° 1         | 15°21           | 12°24           | 24°38           | W14  |
| T 15 | 11 28 34 | 23°58'07           | 9 <b>m</b> ) 22 | 9° 9            | 4°57           | 11° 5          | 10°37          | 4°17          | 12°29           | 24°14          | 14°44 | 14°47         | 15°18           | 12°31           | 24°40           | T 15 |
| F 16 | 11 32 30 | 24°57'50           | 21°14           | 9°R 9           | 6° 6           | 11°52          | 10°39          | 4°20          | 12°29           | 24°14          | 14°45 | 14°33         | 15°15           | 12°37           | 24°41           | F 16 |
| S 17 | 11 36 27 | 25°57'31           | 3 <b>₾</b> 9    | 9° 1            | 7°16           | 12°40          | 10°41          | 4°23          | 12°29           | 24°15          | 14°45 | 14°19         | 15°11           | 12°44           | 24°43           | S 17 |
| S 18 | 11 40 23 | 26°57'09           | 15° 8           | 8°46            | 8°25           | 13°27          | 10°43          | 4°26          | 12°R29          | 24°15          | 14°45 | 14° 6         | 15° 8           | 12°51           | 24°45           | S 18 |
| M19  | 11 44 20 | 27°56'46           | 27°11           | 8°22            | 9°34           | 14°14          | 10°45          | 4°28          | 12°29           | 24°16          | 14°46 | 13°56         | 15° 5           | 12°58           | 24°47           | M19  |
| T 20 | 11 48 16 | 28°56'21           | 9 <b>™</b> 21   | 7°52            | 10°43          | 15° 1          | 10°46          | 4°31          | 12°29           | 24°16          | 14°46 | 13°48         | 15° 2           | 13° 4           | 24°48           | T 20 |
| W21  | 11 52 13 | 29°55'54           | 21°39           | 7°16            | 11°52          | 15°48          | 10°48          | 4°33          | 12°29           | 24°17          | 14°47 | 13°44         | 14°59           | 13°11           | 24°50           | W21  |
| T 22 | 11 56 10 | 0 <b>Υ</b> 55'26   | 4 <b>₹</b> 10   | 6°35            | 13° 0          | 16°35          | 10°49          | 4°36          | 12°28           | 24°17          | 14°47 | 13°42         | 14°55           | 13°18           | 24°51           | T 22 |
| F 23 | 12 0 6   | 1°54'56            | 16°56           | 5°49            | 14° 9          | 17°22          | 10°50          | 4°38          | 12°28           | 24°18          | 14°48 | 13°D41        | 14°52           | 13°24           | 24°52           | F 23 |
| S 24 | 12 4 3   | 2°54'24            | 0る 2            | 5° 0            | 15°17          | 18° 9          | 10°51          | 4°40          | 12°28           | 24°18          | 14°48 | 13°R42        | 14°49           | 13°31           | 24°53           | S 24 |
| S 25 | 12 7 59  | 3°53'50            | 13°30           | 4° 9            | 16°25          | 18°56          | 10°51          | 4°42          | 12°28           | 24°19          | 14°49 | 13°41         | 14°46           | 13°38           | 24°54           | S 25 |
| M26  | 12 11 56 | 4°53'14            | 27°23           | 3°17            | 17°33          | 19°43          | 10°52          | 4°44          | 12°27           | 24°20          | 14°49 | 13°39         | 14°43           | 13°45           | 24°55           | M26  |
| T 27 | 12 15 52 | 5°52'37            | 11 <b>≈</b> 43  | 2°25            | 18°41          | 20°30          | 10°52          | 4°46          | 12°27           | 24°20          | 14°50 | 13°35         | 14°40           | 13°51           | 24°56           | T 27 |
| W28  | 12 19 49 | 6°51'58            | 26°27           | 1°34            | 19°49          | 21°17          | 10°R52         | 4°48          | 12°26           | 24°21          | 14°51 | 13°28         | 14°36           | 13°58           | 24°57           | W28  |
| T 29 | 12 23 45 | 7°51'17            | 11 <b>米</b> 29  | 0°45            | 20°56          | 22° 4          | 10°52          | 4°49          | 12°26           | 24°22          | 14°51 | 13°20         | 14°33           | 14° 5           | 24°58           | T 29 |
| F 30 | 12 27 42 | 8°50'34            | 26°42           | 29 <b>米</b> 58  | 22° 3          | 22°51          | 10°52          | 4°51          | 12°25           | 24°23          | 14°52 | 13°10         | 14°30           | 14°12           | 24°58           | F 30 |
| S 31 | 12 31 39 | 9 <b>°</b> 49'49   | 11 <b>Y</b> 53  | 29 <b>米</b> 16  | 23810          | 23 <b>米</b> 38 | 10 <b>₹</b> 51 | 4 <b>궁</b> 52 | 12 <b>×</b> 124 | 24∏23          | 14∏52 | 13 <b>×</b> 0 | 14 <b>∡</b> 127 | 14 <b>M</b> )18 | 24 <b>×</b> 759 | S 31 |

Delta T = -1.80 sec

APRIL 1900 00:00 UT

| Day  | Sid.t    | 0                 | )              | ğ              | φ     | ♂              | 4              | ħ             | ᡟ               | ¥     | Р              | R               | Ω               | Ç               | Š.              | Day  |
|------|----------|-------------------|----------------|----------------|-------|----------------|----------------|---------------|-----------------|-------|----------------|-----------------|-----------------|-----------------|-----------------|------|
| S 1  | 12 35 35 | 10 <b>Y</b> 49'02 | 26 <b>Y</b> 54 | 28°R37         | 24817 | 24 <b>)</b> 25 | 10°R51         | 4 <b>⋜</b> 54 | 12°R24          | 24∏24 | 14 <b>Ⅱ</b> 53 | 12°R52          | 14 <b>×</b> 24  | 14 <b>M</b> 25  | 24 <b>×</b> 759 | S 1  |
| M 2  | 12 39 32 | 11°48'13          | 11834          | 28 <b>米</b> 3  | 25°24 | 25°12          | 10 <b>₹</b> 50 | 4°55          | 12 <b>×</b> 23  | 24°25 | 14°54          | 12 <b>∡</b> 746 | 14°21           | 14°32           | 24°59           | M 2  |
| T 3  | 12 43 28 | 12°47'22          | 25°48          | 27°34          | 26°30 | 25°59          | 10°49          | 4°56          | 12°22           | 24°26 | 14°55          | 12°42           | 14°17           | 14°38           | 24°59           | T 3  |
| W 4  | 12 47 25 | 13°46'28          | 9∏33           | 27°11          | 27°37 | 26°45          | 10°47          | 4°57          | 12°21           | 24°27 | 14°55          | 12°D41          | 14°14           | 14°45           | 25° 0           | W 4  |
| T 5  | 12 51 21 | 14°45'32          | 22°50          | 26°53          | 28°43 | 27°32          | 10°46          | 4°58          | 12°20           | 24°28 | 14°56          | 12°41           | 14°11           | 14°52           | 25°R 0          | T 5  |
| F 6  | 12 55 18 | 15°44'34          | 59542          | 26°40          | 29°48 | 28°19          | 10°44          | 4°59          | 12°19           | 24°29 | 14°57          | 12°42           | 14° 8           | 14°59           | 24°59           | F 6  |
| S 7  | 12 59 14 | 16°43'34          | 18°12          | 26°33          | 0Д54  | 29° 6          | 10°43          | 5° 0          | 12°18           | 24°30 | 14°58          | 12°R43          | 14° 5           | 15° 5           | 24°59           | S 7  |
| S 8  | 13 3 11  | 17°42'31          | 0 <b>Ω</b> 25  | 26°D32         | 1°59  | 29°52          | 10°41          | 5° 0          | 12°17           | 24°31 | 14°58          | 12°42           | 14° 1           | 15°12           | 24°59           | S 8  |
| M 9  | 13 7 8   | 18°41'26          | 12°27          | 26°36          | 3° 4  | 0 <b>Υ</b> 39  | 10°38          | 5° 1          | 12°16           | 24°32 | 14°59          | 12°39           | 13°58           | 15°19           | 24°59           | M 9  |
| T 10 | 13 11 4  | 19°40'19          | 24°21          | 26°45          | 4° 9  | 1°26           | 10°36          | 5° 1          | 12°15           | 24°33 | 15° 0          | 12°33           | 13°55           | 15°25           | 24°58           | T 10 |
| W11  | 13 15 1  | 20°39'09          | 6 <b>M</b> p13 | 26°59          | 5°14  | 2°12           | 10°34          | 5° 2          | 12°14           | 24°35 | 15° 1          | 12°26           | 13°52           | 15°32           | 24°58           | W11  |
| T 12 | 13 18 57 | 21°37'58          | 18° 5          | 27°18          | 6°18  | 2°59           | 10°31          | 5° 2          | 12°13           | 24°36 | 15° 2          | 12°17           | 13°49           | 15°39           | 24°57           | T 12 |
| F 13 | 13 22 54 | 22°36'44          | 29°59          | 27°41          | 7°22  | 3°45           | 10°28          | 5° 2          | 12°11           | 24°37 | 15° 3          | 12° 8           | 13°46           | 15°46           | 24°56           | F 13 |
| S 14 | 13 26 50 | 23°35'28          | 11 <b>≏</b> 59 | 28° 9          | 8°26  | 4°32           | 10°25          | 5°R 2         | 12°10           | 24°38 | 15° 4          | 11°58           | 13°42           | 15°52           | 24°55           | S 14 |
| S 15 | 13 30 47 | 24°34'10          | 24° 5          | 28°42          | 9°29  | 5°18           | 10°22          | 5° 2          | 12° 9           | 24°40 | 15° 5          | 11°50           | 13°39           | 15°59           | 24°54           | S 15 |
| M16  | 13 34 43 | 25°32'50          | 6 <b>M</b> .19 | 29°18          | 10°32 | 6° 4           | 10°18          | 5° 2          | 12° 7           | 24°41 | 15° 6          | 11°43           | 13°36           | 16° 6           | 24°53           | M16  |
| T 17 | 13 38 40 | 26°31'28          | 18°42          | 29°58          | 11°35 | 6°51           | 10°15          | 5° 2          | 12° 6           | 24°42 | 15° 7          | 11°39           | 13°33           | 16°13           | 24°52           | T 17 |
| W18  | 13 42 36 | 27°30'04          | 1 <b>才</b> 14  | 0 <b>Υ</b> 42  | 12°38 | 7°37           | 10°11          | 5° 2          | 12° 4           | 24°44 | 15° 7          | 11°36           | 13°30           | 16°19           | 24°51           | W18  |
| T 19 | 13 46 33 | 28°28'39          | 13°58          | 1°30           | 13°40 | 8°23           | 10° 7          | 5° 1          | 12° 3           | 24°45 | 15° 8          | 11°D36          | 13°27           | 16°26           | 24°50           | T 19 |
| F 20 | 13 50 30 | 29°27'12          | 26°56          | 2°20           | 14°42 | 9°10           | 10° 3          | 5° 1          | 12° 1           | 24°46 | 15° 9          | 11°36           | 13°23           | 16°33           | 24°48           | F 20 |
| S 21 | 13 54 26 | 0 <b>8</b> 25'43  | 10 <b>궁</b> 9  | 3°14           | 15°43 | 9°56           | 9°59           | 5° 0          | 12° 0           | 24°48 | 15°11          | 11°38           | 13°20           | 16°39           | 24°47           | S 21 |
| S 22 | 13 58 23 | 1°24'13           | 23°39          | 4°11           | 16°45 | 10°42          | 9°54           | 4°59          | 11°58           | 24°49 | 15°12          | 11°39           | 13°17           | 16°46           | 24°45           | S 22 |
| M23  | 14 2 19  | 2°22'41           | 7≈28           | 5°12           | 17°46 | 11°28          | 9°50           | 4°59          | 11°56           | 24°51 | 15°13          | 11°R39          | 13°14           | 16°53           | 24°44           | M23  |
| T 24 | 14 6 16  | 3°21'07           | 21°37          | 6°14           | 18°46 | 12°14          | 9°45           | 4°58          | 11°55           | 24°52 | 15°14          | 11°38           | 13°11           | 17° 0           | 24°42           | T 24 |
| W25  | 14 10 12 | 4°19'32           | 6 <b>∀</b> 3   | 7°20           | 19°46 | 13° 0          | 9°40           | 4°57          | 11°53           | 24°54 | 15°15          | 11°35           | 13° 7           | 17° 6           | 24°40           | W25  |
| T 26 | 14 14 9  | 5°17'55           | 20°44          | 8°28           | 20°46 | 13°47          | 9°35           | 4°56          | 11°51           | 24°55 | 15°16          | 11°30           | 13° 4           | 17°13           | 24°38           | T 26 |
| F 27 | 14 18 5  | 6°16'17           | 5 <b>Ƴ</b> 34  | 9°39           | 21°45 | 14°33          | 9°30           | 4°54          | 11°49           | 24°57 | 15°17          | 11°25           | 13° 1           | 17°20           | 24°36           | F 27 |
| S 28 | 14 22 2  | 7°14'37           | 20°25          | 10°52          | 22°44 | 15°18          | 9°25           | 4°53          | 11°47           | 24°59 | 15°18          | 11°20           | 12°58           | 17°26           | 24°34           | S 28 |
| S 29 | 14 25 59 | 8°12'55           | 5 <b>8</b> 9   | 12° 7          | 23°43 | 16° 4          | 9°19           | 4°52          | 11°46           | 25° 0 | 15°19          | 11°16           | 12°55           | 17°33           | 24°32           | S 29 |
| M30  | 14 29 55 | 9 <b>8</b> 11'11  | 19839          | 13 <b>Y</b> 25 | 24∏41 | 16 <b>Y</b> 50 | 9 <b>₹</b> 14  | 4 <b>る</b> 50 | 11 <b>.7</b> 44 | 25Ⅲ 2 | 15Ⅲ20          | 11 <b>×</b> 13  | 12 <b>×</b> 752 | 17 <b>M</b> )40 | 24 <b>×</b> 30  | M30  |

Delta T = -1.70 sec

MAY 1900 00:00 UT

| Day          | Sid.t               | 0                    | D                        | Ψ              | Q+            | δ              | 4              | ħ             | ᡟ               | ¥              | Р              | ß               | S               | Ç               | ę,                          | Day          |
|--------------|---------------------|----------------------|--------------------------|----------------|---------------|----------------|----------------|---------------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------------------|--------------|
| T 1          | 14 33 52            | 108 9'26             | 3 <b>Ⅱ</b> 48            | 14 <b>Y</b> 45 | 25耳38         | 17 <b>Y</b> 36 | 9°R 8          | 4°R49         | 11°R42          | 25Ⅱ 4          | 15 <b>Ⅲ</b> 22 | 11°R11          | 12 <b>×7</b> 48 | 17 <b>m</b> /47 | 24°R28                      | T 1          |
| W 2          | 14 37 48            | 11° 7'39             | 17°33                    | 16° 7          | 26°35         | 18°22          | 9 <b>.</b> ₹ 2 | 4 <b>⋜</b> 47 | 11 <b>×7</b> 40 | 25° 5          | 15°23          | 11°D11          | 12°45           | 17°53           | 24 <b>×</b> <sup>7</sup> 25 | W 2          |
| T 3          | 14 41 45            | 12° 5'50             | 0953                     | 17°31          | 27°32         | 19° 8          | 8°56           | 4°45          | 11°38           | 25° 7          | 15°24          | 11 <b>×</b> 12  | 12°42           | 18° 0           | 24°23                       | T 3          |
| F 4          | 14 45 41            | 13° 3'59             | 13°48                    | 18°58          | 28°28         | 19°53          | 8°50           | 4°44          | 11°36           | 25° 9          | 15°25          | 11°14           | 12°39           | 18° 7           | 24°20                       | F 4          |
| S 5          | 14 49 38            | 14° 2'07             | 26°23                    | 20°26          | 29°24         | 20°39          | 8°44           | 4°42          | 11°34           | 25°11          | 15°26          | 11°15           | 12°36           | 18°14           | 24°18                       | S 5          |
| S 6          | 14 53 34            | 15° 0'12             | $8\Omega 40$             | 21°56          | 0 <b>୭</b> 19 | 21°25          | 8°37           | 4°40          | 11°31           | 25°12          | 15°27          | 11°16           | 12°32           | 18°20           | 24°15                       | S 6          |
| M 7          | 14 57 31            | 15°58'15             | 20°44                    | 23°29          | 1°13          | 22°10          | 8°31           | 4°38          | 11°29           | 25°14          | 15°29          | 11°R17          | 12°29           | 18°27           | 24°13                       | M 7          |
| T 8          | 15 1 28             | 16°56'16             | 2 Mp 41                  | 25° 3          | 2° 7          | 22°56          | 8°24           | 4°35          | 11°27           | 25°16          | 15°30          | 11°15           | 12°26           | 18°34           | 24°10                       | T 8          |
| W 9          | 15 5 24             | 17°54'15             | 14°33                    | 26°40          | 3° 1          | 23°41          | 8°18           | 4°33          | 11°25           | 25°18          | 15°31          | 11°13           | 12°23           | 18°40           | 24° 7                       | W 9          |
| T 10         | 15 9 21<br>15 13 17 | 18°52'13             | 26°26<br>8 <b>≏</b> 24   | 28°19<br>29°59 | 3°53<br>4°45  | 24°26<br>25°12 | 8°11<br>8° 4   | 4°31<br>4°28  | 11°23<br>11°21  | 25°20<br>25°22 | 15°32<br>15°34 | 11°11<br>11° 7  | 12°20<br>12°17  | 18°47<br>18°54  | 24° 4<br>24° 1              | T 10<br>F 11 |
| F 11<br>S 12 | 15 13 17            | 19°50'09<br>20°48'03 | 20°29                    | 1 <b>8</b> 42  | 5°37          | 25°57          | 8° 4<br>7°57   | 4°28<br>4°26  | 11°18           | 25°22<br>25°23 | 15°34<br>15°35 | 11° /           | 12°17           | 18°54<br>19° 1  | 23°58                       | S 12         |
|              |                     |                      |                          | _              |               |                |                |               |                 |                |                |                 | _               |                 |                             |              |
| S 13         | 15 21 10            | 21°45'55             | 2M43                     | 3°26           | 6°27          | 26°42          | 7°50           | 4°23          | 11°16           | 25°25          | 15°36          | 11° 1           | 12°10           | 19° 7           | 23°55                       | S 13         |
| M14          | 15 25 7             | 22°43'46             | 15° 9                    | 5°13           | 7°17          | 27°28          | 7°43           | 4°21          | 11°14           | 25°27          | 15°38          | 10°59           | 12° 7           | 19°14           | 23°52                       | M14          |
| T 15<br>W16  | 15 29 3<br>15 33 0  | 23°41'35             | 27°48<br>10 <b>×7</b> 40 | 7° 1<br>8°52   | 8° 6<br>8°55  | 28°13<br>28°58 | 7°36<br>7°29   | 4°18<br>4°15  | 11°11<br>11° 9  | 25°29<br>25°31 | 15°39<br>15°40 | 10°57<br>10°D57 | 12° 4<br>12° 1  | 19°21<br>19°28  | 23°48<br>23°45              | T 15<br>W16  |
| T 17         | 15 36 57            | 24°39'23<br>25°37'10 | 23°45                    | 10°44          | 9°42          | 28°38<br>29°43 | 7°29           | 4°13          | 11° 9           | 25°33          | 15°40<br>15°41 | 10°57           | 11°58           | 19°28           | 23°43<br>23°42              | T 17         |
| F 18         | 15 40 53            | 26°34'55             | 23 43<br>7 <b>る</b> 3    | 10°44<br>12°39 | 10°29         | 0 <b>8</b> 28  | 7°14           | 4° 9          | 11° 4           | 25°35          | 15°43          | 10°58           | 11°54           | 19°41           | 23°38                       | F 18         |
| S 19         | 15 44 50            | 27°32'40             | 20°34                    | 14°36          | 11°15         | 1°13           | 7° 7           | 4° 6          | 11° 2           | 25°37          | 15°44          | 10°59           | 11°51           | 19°48           | 23°35                       | S 19         |
| S 20         | 15 48 46            | 28°30'23             | 4≈18                     | 16°34          | 12° 0         | 1°58           | 6°59           | 4° 3          | 11° 0           | 25°39          | 15°45          | 11° 0           | 11°48           | 19°54           | 23°31                       | S 20         |
| M21          | 15 48 46            | 28°30'23<br>29°28'05 | 4≈18<br>18°14            | 18°34          | 12°44         | 2°43           | 6°52           | 4° 0          | 10°57           | 25°39<br>25°41 | 15°45<br>15°47 | 11° 0           | 11°48           | 20° 1           | 23°28                       | M21          |
| T 22         | 15 56 39            | 0 <b>∏</b> 25'45     | 2 <del>X</del> 21        | 20°37          | 13°27         | 3°28           | 6°44           | 3°57          | 10°55           | 25°43          | 15°48          | 11°R 1          | 11°42           | 20° 8           | 23°24                       | T 22         |
| W23          | 16 0 36             | 1°23'25              | 16°37                    | 22°40          | 14° 9         | 4°12           | 6°37           | 3°53          | 10°52           | 25°45          | 15°49          | 11° 1           | 11°38           | 20°15           | 23°21                       | W23          |
| T 24         | 16 4 32             | 2°21'04              | 0Υ59                     | 24°46          | 14°51         | 4°57           | 6°29           | 3°50          | 10°50           | 25°47          | 15°51          | 11° 0           | 11°35           | 20°21           | 23°17                       | T 24         |
| F 25         | 16 8 29             | 3°18'42              | 15°24                    | 26°53          | 15°31         | 5°42           | 6°22           | 3°47          | 10°48           | 25°50          | 15°52          | 10°59           | 11°32           | 20°28           | 23°13                       | F 25         |
| S 26         | 16 12 26            | 4°16'19              | 29°48                    | 29° 2          | 16°10         | 6°26           | 6°14           | 3°43          | 10°45           | 25°52          | 15°54          | 10°58           | 11°29           | 20°35           | 23°10                       | S 26         |
| S 27         | 16 16 22            | 5°13'55              | 14 <b>8</b> 5            | 1 <b>I</b> I11 | 16°47         | 7°11           | 6° 6           | 3°40          | 10°43           | 25°54          | 15°55          | 10°58           | 11°26           | 20°41           | 23° 6                       | S 27         |
| M28          | 16 20 19            | 6°11'30              | 28°11                    | 3°22           | 17°24         | 7°55           | 5°59           | 3°36          | 10°40           | 25°56          | 15°56          | 10°57           | 11°23           | 20°48           | 23° 2                       | M28          |
| T 29         | 16 24 15            | 7° 9'04              | 12耳 3                    | 5°33           | 17°59         | 8°40           | 5°51           | 3°32          | 10°38           | 25°58          | 15°58          | 10°D57          | 11°19           | 20°55           | 22°58                       | T 29         |
| W30          | 16 28 12            | 8° 6'37              | 25°36                    | 7°45           | 18°33         | 9°24           | 5°43           | 3°28          | 10°35           | 26° 0          | 15°59          | 10°57           | 11°16           | 21° 2           | 22°54                       | W30          |
| T 31         | 16 32 8             | 9耳 4'09              | 8 <b>9</b> 49            | 9∏57           | 1995 6        | 108 9          | 5 <b>₹</b> 36  | 3 <b>る</b> 25 | 10 <b>∡</b> 33  | 26耳 2          | 16耳 0          | 10 <b>∡</b> 758 | 11 <b>×</b> 13  | 21 Mg 8         | 22 <b>×</b> 750             | T 31         |

Delta T = -1.60 sec

JUNE 1900 00:00 UT

| Day  | Sid.t    | 0                  | D               | ğ             | Q.     | ð              | 4             | ħ             | )ұ(            | ¥     | В               | ₽.              | v              | Ç        | ę,              | Day  |
|------|----------|--------------------|-----------------|---------------|--------|----------------|---------------|---------------|----------------|-------|-----------------|-----------------|----------------|----------|-----------------|------|
| F 1  | 16 36 5  | 10 <b>I</b> I 1'39 | 219543          | 12 <b>I</b> 9 | 19937  | 10 <b>8</b> 53 | 5°R28         | 3°R21         | 10°R30         | 26Ⅱ 4 | 16 <b>I</b> I 2 | 10 <b>х</b> 58  | 11 <b>×</b> 10 | 21 Mp 15 | 22°R46          | F 1  |
| S 2  | 16 40 2  | 10°59'08           | 4 <b>Ω</b> 18   | 14°21         | 20° 7  | 11°37          | 5 <b>₹</b> 21 | 3 <b>ට</b> 17 | 10 <b>∡</b> 28 | 26° 7 | 16° 3           | 10°R58          | 11° 7          | 21°22    | 22 <b>×</b> 142 | S 2  |
| S 3  | 16 43 58 | 11°56'36           | 16°37           | 16°32         | 20°35  | 12°21          | 5°13          | 3°13          | 10°25          | 26° 9 | 16° 5           | 10°58           | 11° 4          | 21°29    | 22°38           | S 3  |
| M 4  | 16 47 55 | 12°54'03           | 28°43           | 18°42         | 21° 2  | 13° 5          | 5° 5          | 3° 9          | 10°23          | 26°11 | 16° 6           | 10°58           | 11° 0          | 21°35    | 22°34           | M 4  |
| T 5  | 16 51 51 | 13°51'29           | 10 <b>m</b> /41 | 20°51         | 21°27  | 13°49          | 4°58          | 3° 5          | 10°20          | 26°13 | 16° 7           | 10°D58          | 10°57          | 21°42    | 22°30           | T 5  |
| W 6  | 16 55 48 | 14°48'53           | 22°34           | 22°59         | 21°51  | 14°33          | 4°50          | 3° 1          | 10°18          | 26°15 | 16° 9           | 10°58           | 10°54          | 21°49    | 22°26           | W 6  |
| T 7  | 16 59 44 | 15°46'16           | 4 <u>₽</u> 28   | 25° 5         | 22°12  | 15°17          | 4°43          | 2°57          | 10°15          | 26°18 | 16°10           | 10°58           | 10°51          | 21°55    | 22°22           | T 7  |
| F 8  | 17 3 41  | 16°43'38           | 16°27           | 27°10         | 22°32  | 16° 1          | 4°36          | 2°53          | 10°13          | 26°20 | 16°11           | 10°58           | 10°48          | 22° 2    | 22°18           | F 8  |
| S 9  | 17 7 37  | 17°40'59           | 28°35           | 29°13         | 22°50  | 16°45          | 4°28          | 2°49          | 10°11          | 26°22 | 16°13           | 10°59           | 10°44          | 22° 9    | 22°14           | S 9  |
| S 10 | 17 11 34 | 18°38'20           | 10 <b>M</b> 56  | 19513         | 23° 6  | 17°29          | 4°21          | 2°44          | 10° 8          | 26°24 | 16°14           | 11° 0           | 10°41          | 22°16    | 22°10           | S 10 |
| M11  | 17 15 30 | 19°35'39           | 23°32           | 3°12          | 23°21  | 18°12          | 4°14          | 2°40          | 10° 6          | 26°26 | 16°16           | 11° 0           | 10°38          | 22°22    | 22° 6           | M11  |
| T 12 | 17 19 27 | 20°32'57           | 6 <b>₹</b> 26   | 5° 8          | 23°33  | 18°56          | 4° 7          | 2°36          | 10° 3          | 26°29 | 16°17           | 11°R 1          | 10°35          | 22°29    | 22° 2           | T 12 |
| W13  | 17 23 24 | 21°30'15           | 19°37           | 7° 3          | 23°42  | 19°40          | 4° 0          | 2°32          | 10° 1          | 26°31 | 16°18           | 11° 1           | 10°32          | 22°36    | 21°58           | W13  |
| T 14 | 17 27 20 | 22°27'32           | 3ට 6            | 8°55          | 23°50  | 20°23          | 3°53          | 2°27          | 9°58           | 26°33 | 16°20           | 11° 0           | 10°29          | 22°42    | 21°54           | T 14 |
| F 15 | 17 31 17 | 23°24'49           | 16°50           | 10°44         | 23°56  | 21° 7          | 3°46          | 2°23          | 9°56           | 26°35 | 16°21           | 10°59           | 10°25          | 22°49    | 21°50           | F 15 |
| S 16 | 17 35 13 | 24°22'05           | 0≈48            | 12°31         | 23°59  | 21°50          | 3°39          | 2°19          | 9°54           | 26°38 | 16°23           | 10°57           | 10°22          | 22°56    | 21°46           | S 16 |
| S 17 | 17 39 10 | 25°19'20           | 14°55           | 14°16         | 24°R 0 | 22°33          | 3°33          | 2°14          | 9°51           | 26°40 | 16°24           | 10°56           | 10°19          | 23° 3    | 21°41           | S 17 |
| M18  | 17 43 6  | 26°16'36           | 29° 8           | 15°59         | 23°59  | 23°17          | 3°26          | 2°10          | 9°49           | 26°42 | 16°25           | 10°54           | 10°16          | 23° 9    | 21°37           | M18  |
| T 19 | 17 47 3  | 27°13'51           | 13 <b>米</b> 24  | 17°39         | 23°55  | 24° 0          | 3°20          | 2° 6          | 9°47           | 26°44 | 16°27           | 10°53           | 10°13          | 23°16    | 21°33           | T 19 |
| W20  | 17 51 0  | 28°11'05           | 27°39           | 19°16         | 23°49  | 24°43          | 3°13          | 2° 1          | 9°44           | 26°47 | 16°28           | 10°D53          | 10°10          | 23°23    | 21°29           | W20  |
| T 21 | 17 54 56 | 29° 8'20           | 11 <b>Y</b> 51  | 20°51         | 23°41  | 25°26          | 3° 7          | 1°57          | 9°42           | 26°49 | 16°29           | 10°53           | 10° 6          | 23°29    | 21°25           | T 21 |
| F 22 | 17 58 53 | 09 5'34            | 25°58           | 22°24         | 23°30  | 26° 9          | 3° 1          | 1°52          | 9°40           | 26°51 | 16°31           | 10°54           | 10° 3          | 23°36    | 21°21           | F 22 |
| S 23 | 18 2 49  | 1° 2'49            | 9 <b>8</b> 57   | 23°54         | 23°16  | 26°52          | 2°55          | 1°48          | 9°37           | 26°53 | 16°32           | 10°55           | 10° 0          | 23°43    | 21°17           | S 23 |
| S 24 | 18 6 46  | 2° 0'03            | 23°48           | 25°22         | 23° 1  | 27°35          | 2°49          | 1°44          | 9°35           | 26°55 | 16°34           | 10°56           | 9°57           | 23°50    | 21°13           | S 24 |
| M25  | 18 10 42 | 2°57'18            | 7 <b>Ⅲ</b> 27   | 26°47         | 22°43  | 28°18          | 2°43          | 1°39          | 9°33           | 26°58 | 16°35           | 10°R57          | 9°54           | 23°56    | 21° 9           | M25  |
| T 26 | 18 14 39 | 3°54'32            | 20°54           | 28°10         | 22°23  | 29° 1          | 2°38          | 1°35          | 9°31           | 27° 0 | 16°36           | 10°57           | 9°50           | 24° 3    | 21° 5           | T 26 |
| W27  | 18 18 35 | 4°51'46            | 495 8           | 29°30         | 22° 1  | 29°43          | 2°32          | 1°30          | 9°29           | 27° 2 | 16°38           | 10°55           | 9°47           | 24°10    | 21° 1           | W27  |
| T 28 | 18 22 32 | 5°49'00            | 17° 6           | 0Ω47          | 21°36  | 0Д26           | 2°27          | 1°26          | 9°27           | 27° 4 | 16°39           | 10°53           | 9°44           | 24°17    | 20°58           | T 28 |
| F 29 | 18 26 29 | 6°46'13            | 29°50           | 2° 2          | 21°10  | 1° 9           | 2°21          | 1°22          | 9°24           | 27° 7 | 16°40           | 10°49           | 9°41           | 24°23    | 20°54           | F 29 |
| S 30 | 18 30 25 | 79543'27           | 12 <b>Ω</b> 19  | 3 <b>Ω</b> 14 | 209541 | 1 <b>Ⅱ</b> 51  | 2 <b>₹</b> 16 | 1 <b>ਰ</b> 17 | 9 <b>∡</b> 122 | 27耳 9 | 16∏42           | 10 <b>∡</b> 145 | 9 <b>∡</b> ³38 | 24 Mp 30 | 20 <b>х</b> 50  | S 30 |

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| Day  | Sid.t    | 0                                    | D              | ğ             | ·             | ď              | 4            | ħ               | )f(            | ħ     | Р              | N.              | Ω              | Ç              | ę,             | Day  |
|------|----------|--------------------------------------|----------------|---------------|---------------|----------------|--------------|-----------------|----------------|-------|----------------|-----------------|----------------|----------------|----------------|------|
| S 1  | 18 34 22 | 89540'40                             | 24⋒35          | 4 <b>Ω</b> 24 | 20°R11        | 2Д34           | 2°R11        | 1°R13           | 9°R20          | 27耳11 | 16 <b>Ⅱ</b> 43 | 10°R40          | 9 <b>∡</b> ³35 | 24 <b>m</b> 37 | 20°R46         | S 1  |
| M 2  | 18 38 18 | 9°37'52                              | 6 <b>m</b> /40 | 5°30          | 19939         | 3°16           | 2 <b>√</b> 7 | 1る8             | 9 <b>.7</b> 18 | 27°13 | 16°44          | 10 <b>∡</b> ³36 | 9°31           | 24°43          | 20 <b>🗷</b> 42 | M 2  |
| T 3  | 18 42 15 | 10°35'04                             | 18°37          | 6°33          | 19° 6         | 3°58           | 2° 2         | 1° 4            | 9°16           | 27°15 | 16°45          | 10°33           | 9°28           | 24°50          | 20°39          | T 3  |
| W 4  | 18 46 11 | 11°32'16                             | 0 <b>ჲ</b> 30  | 7°34          | 18°31         | 4°41           | 1°58         | 1° 0            | 9°14           | 27°18 | 16°47          | 10°31           | 9°25           | 24°57          | 20°35          | W 4  |
| T 5  | 18 50 8  | 12°29'28                             | 12°23          | 8°31          | 17°56         | 5°23           | 1°53         | 0°56            | 9°12           | 27°20 | 16°48          | 10°D31          | 9°22           | 25° 4          | 20°31          | T 5  |
| F 6  | 18 54 4  | 13°26'40                             | 24°22          | 9°25          | 17°19         | 6° 5           | 1°49         | 0°51            | 9°10           | 27°22 | 16°49          | 10°31           | 9°19           | 25°10          | 20°28          | F 6  |
| S 7  | 18 58 1  | 14°23'51                             | 6 <b>M</b> .30 | 10°16         | 16°42         | 6°47           | 1°45         | 0°47            | 9° 9           | 27°24 | 16°51          | 10°33           | 9°16           | 25°17          | 20°24          | S 7  |
| S 8  | 19 1 58  | 15°21'03                             | 18°52          | 11° 3         | 16° 5         | 7°29           | 1°41         | 0°43            | 9° 7           | 27°26 | 16°52          | 10°34           | 9°12           | 25°24          | 20°21          | S 8  |
| M 9  | 19 5 54  | 16°18'14                             | 1 <b>₹</b> 34  | 11°47         | 15°27         | 8°11           | 1°38         | 0°39            | 9° 5           | 27°28 | 16°53          | 10°35           | 9° 9           | 25°30          | 20°17          | M 9  |
| T 10 | 19 9 51  | 17°15'25                             | 14°36          | 12°27         | 14°50         | 8°53           | 1°34         | 0°34            | 9° 3           | 27°31 | 16°54          | 10°R36          | 9° 6           | 25°37          | 20°14          | T 10 |
| W11  | 19 13 47 | 18°12'36                             | 28° 2          | 13° 3         | 14°13         | 9°35           | 1°31         | 0°30            | 9° 1           | 27°33 | 16°55          | 10°34           | 9° 3           | 25°44          | 20°11          | W11  |
| T 12 | 19 17 44 | 19° 9'48                             | 11 <b>る</b> 51 | 13°35         | 13°36         | 10°17          | 1°28         | 0°26            | 9° 0           | 27°35 | 16°57          | 10°31           | 9° 0           | 25°51          | 20° 8          | T 12 |
| F 13 | 19 21 40 | 20° 7'00                             | 26° 0          | 14° 2         | 13° 0         | 10°58          | 1°25         | 0°22            | 8°58           | 27°37 | 16°58          | 10°27           | 8°56           | 25°57          | 20° 4          | F 13 |
| S 14 | 19 25 37 | 21° 4'12                             | 10≈25          | 14°26         | 12°26         | 11°40          | 1°22         | 0°18            | 8°56           | 27°39 | 16°59          | 10°21           | 8°53           | 26° 4          | 20° 1          | S 14 |
| S 15 | 19 29 33 | 22° 1'24                             | 25° 0          | 14°45         | 11°52         | 12°21          | 1°19         | 0°14            | 8°55           | 27°41 | 17° 0          | 10°15           | 8°50           | 26°11          | 19°58          | S 15 |
| M16  | 19 33 30 | 22°58'37                             | 9 <b>∺</b> 38  | 15° 0         | 11°20         | 13° 3          | 1°17         | 0°10            | 8°53           | 27°43 | 17° 1          | 10° 9           | 8°47           | 26°17          | 19°55          | M16  |
| T 17 | 19 37 27 | 23°55'50                             | 24°11          | 15° 9         | 10°50         | 13°44          | 1°14         | 0° 7            | 8°52           | 27°45 | 17° 3          | 10° 5           | 8°44           | 26°24          | 19°52          | T 17 |
| W18  | 19 41 23 | 24°53'04                             | 8 <b>Ƴ</b> 37  | 15°14         | 10°21         | 14°26          | 1°12         | 0° 3            | 8°50           | 27°47 | 17° 4          | 10° 2           | 8°41           | 26°31          | 19°49          | W18  |
| T 19 | 19 45 20 | 25°50'19                             | 22°49          | 15°R15        | 9°55          | 15° 7          | 1°10         | 29 <b>×</b> 759 | 8°49           | 27°49 | 17° 5          | 10°D 1          | 8°37           | 26°38          | 19°46          | T 19 |
| F 20 | 19 49 16 | 26°47'35                             | 6 <b>8</b> 48  | 15°10         | 9°30          | 15°48          | 1° 8         | 29°55           | 8°47           | 27°51 | 17° 6          | 10° 1           | 8°34           | 26°44          | 19°43          | F 20 |
| S 21 | 19 53 13 | 27°44'52                             | 20°31          | 15° 0         | 9° 8          | 16°29          | 1° 7         | 29°52           | 8°46           | 27°53 | 17° 7          | 10° 2           | 8°31           | 26°51          | 19°41          | S 21 |
| S 22 | 19 57 9  | 28°42'09                             | 4 <b>Ⅱ</b> 1   | 14°46         | 8°47          | 17°11          | 1° 5         | 29°48           | 8°45           | 27°55 | 17° 8          | 10°R 3          | 8°28           | 26°58          | 19°38          | S 22 |
| M23  | 20 1 6   | 29°39'27                             | 17°18          | 14°26         | 8°29          | 17°52          | 1° 4         | 29°45           | 8°44           | 27°57 | 17° 9          | 10° 3           | 8°25           | 27° 4          | 19°35          | M23  |
| T 24 | 20 5 2   | $0$ <b><math>\Omega</math></b> 36'47 | 0ණ22           | 14° 3         | 8°14          | 18°33          | 1° 3         | 29°41           | 8°42           | 27°59 | 17°10          | 10° 1           | 8°22           | 27°11          | 19°33          | T 24 |
| W25  | 20 8 59  | 1°34'07                              | 13°14          | 13°34         | 8° 1          | 19°13          | 1° 2         | 29°38           | 8°41           | 28° 1 | 17°11          | 9°57            | 8°18           | 27°18          | 19°31          | W25  |
| T 26 | 20 12 56 | 2°31'27                              | 25°55          | 13° 2         | 7°50          | 19°54          | 1° 2         | 29°34           | 8°40           | 28° 3 | 17°12          | 9°50            | 8°15           | 27°25          | 19°28          | T 26 |
| F 27 | 20 16 52 | 3°28'49                              | 8 <b>Ω</b> 24  | 12°26         | 7°41          | 20°35          | 1° 1         | 29°31           | 8°39           | 28° 5 | 17°13          | 9°42            | 8°12           | 27°31          | 19°26          | F 27 |
| S 28 | 20 20 49 | 4°26'11                              | 20°43          | 11°47         | 7°35          | 21°16          | 1° 1         | 29°28           | 8°38           | 28° 7 | 17°14          | 9°32            | 8° 9           | 27°38          | 19°24          | S 28 |
| S 29 | 20 24 45 | 5°23'33                              | 2 Mp 52        | 11° 5         | 7°31          | 21°56          | 1°D 1        | 29°25           | 8°37           | 28° 9 | 17°15          | 9°22            | 8° 6           | 27°45          | 19°21          | S 29 |
| M30  | 20 28 42 | 6°20'57                              | 14°53          | 10°22         | 7°D30         | 22°37          | 1° 1         | 29°22           | 8°36           | 28°11 | 1 <u>7</u> °16 | 9°12            | 8° 2           | 27°52          | 19°19          | M30  |
| T 31 | 20 32 38 | 7 <b>Ω</b> 18'21                     | 26 <b>M</b> 47 | 9 <b>Ω</b> 37 | 7 <b>9</b> 31 | 23 <b>Ⅱ</b> 17 | 1 <b>√</b> 1 | 29 <b>х</b> 18  | 8 <b>₹</b> 35  | 28∏12 | 17 <b>I</b> I7 | 9 <b>.</b> ₹ 4  | 7 <b>,₹</b> 59 | 27 <b>m</b> 58 | 19 <b>×</b> 17 | T 31 |

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|------|----------|-------------------|-----------------|----------------|--------|-----------------|----------------|----------------|---------------|-----------------|----------------|---------------|----------------|---------------|-----------------|------|
| W 1  | 20 36 35 | 8 <b>Ω</b> 15'46  | 8 <b>₾</b> 38   | 8°R52          | 7934   | 23 <b>II</b> 58 | 1 <b>√</b> 2   | 29°R16         | 8°R34         | 28 <b>I</b> I14 | 17 <b>Ⅲ</b> 18 | 8°R57         | 7 <b>₹</b> 756 | 28 <b>m</b> 5 | 19°R15          | W 1  |
| T 2  | 20 40 31 | 9°13'11           | 20°29           | 8 <b>N</b> 7   | 7°40   | 24°38           | 1° 2           | 29 <b>×</b> 13 | 8 <b>₹</b> 33 | 28°16           | 17°19          | 8 <b>≯</b> 53 | 7°53           | 28°12         | 19 <b>×</b> 14  | T 2  |
| F 3  | 20 44 28 | 10°10'37          | 2 <b>M</b> 25   | 7°23           | 7°47   | 25°18           | 1° 3           | 29°10          | 8°33          | 28°18           | 17°20          | 8°51          | 7°50           | 28°18         | 19°12           | F 3  |
| S 4  | 20 48 25 | 11° 8'04          | 14°31           | 6°42           | 7°57   | 25°58           | 1° 4           | 29° 7          | 8°32          | 28°20           | 17°21          | 8°D51         | 7°47           | 28°25         | 19°10           | S 4  |
| S 5  | 20 52 21 | 12° 5'31          | 26°51           | 6° 3           | 8° 9   | 26°39           | 1° 5           | 29° 5          | 8°31          | 28°21           | 17°22          | 8°52          | 7°43           | 28°32         | 19° 9           | S 5  |
| M 6  | 20 56 18 | 13° 3'00          | 9 <b>.₹</b> 32  | 5°28           | 8°22   | 27°19           | 1° 7           | 29° 2          | 8°31          | 28°23           | 17°23          | 8°R52         | 7°40           | 28°39         | 19° 7           | M 6  |
| T 7  | 21 0 14  | 14° 0'29          | 22°36           | 4°57           | 8°38   | 27°59           | 1° 8           | 29° 0          | 8°30          | 28°25           | 17°24          | 8°51          | 7°37           | 28°45         | 19° 6           | T 7  |
| W 8  | 21 4 11  | 14°57'59          | 6 <b>ප</b> 7    | 4°32           | 8°56   | 28°38           | 1°10           | 28°57          | 8°30          | 28°26           | 17°25          | 8°48          | 7°34           | 28°52         | 19° 4           | W 8  |
| T 9  | 21 8 7   | 15°55'30          | 20° 7           | 4°11           | 9°15   | 29°18           | 1°12           | 28°55          | 8°29          | 28°28           | 17°25          | 8°43          | 7°31           | 28°59         | 19° 3           | T 9  |
| F 10 | 21 12 4  | 16°53'02          | 4≈32            | 3°57           | 9°37   | 29°58           | 1°14           | 28°53          | 8°29          | 28°30           | 17°26          | 8°36          | 7°28           | 29° 5         | 19° 2           | F 10 |
| S 11 | 21 16 0  | 17°50'34          | 19°18           | 3°50           | 10° 0  | 0න38            | 1°16           | 28°50          | 8°28          | 28°31           | 17°27          | 8°26          | 7°24           | 29°12         | 19° 1           | S 11 |
| S 12 | 21 19 57 | 18°48'08          | 4 <b>) (</b> 16 | 3°D49          | 10°25  | 1°17            | 1°19           | 28°48          | 8°28          | 28°33           | 17°28          | 8°16          | 7°21           | 29°19         | 19° 0           | S 12 |
| M13  | 21 23 54 | 19°45'43          | 19°19           | 3°55           | 10°51  | 1°57            | 1°21           | 28°46          | 8°28          | 28°34           | 17°28          | 8° 6          | 7°18           | 29°25         | 18°59           | M13  |
| T 14 | 21 27 50 | 20°43'20          | 4 <b>Υ</b> 15   | 4° 8           | 11°19  | 2°36            | 1°24           | 28°44          | 8°27          | 28°36           | 17°29          | 7°58          | 7°15           | 29°32         | 18°58           | T 14 |
| W15  | 21 31 47 | 21°40'58          | 18°56           | 4°29           | 11°49  | 3°15            | 1°27           | 28°43          | 8°27          | 28°37           | 17°30          | 7°53          | 7°12           | 29°39         | 18°57           | W15  |
| T 16 | 21 35 43 | 22°38'38          | 3 <b>8</b> 19   | 4°56           | 12°20  | 3°55            | 1°30           | 28°41          | 8°27          | 28°39           | 17°31          | 7°49          | 7° 8           | 29°46         | 18°57           | T 16 |
| F 17 | 21 39 40 | 23°36'19          | 17°20           | 5°31           | 12°52  | 4°34            | 1°33           | 28°39          | 8°27          | 28°40           | 17°31          | 7°48          | 7° 5           | 29°52         | 18°56           | F 17 |
| S 18 | 21 43 36 | 24°34'02          | 1 <b>II</b> 0   | 6°14           | 13°26  | 5°13            | 1°37           | 28°38          | 8°D27         | 28°42           | 17°32          | 7°48          | 7° 2           | 29°59         | 18°56           | S 18 |
| S 19 | 21 47 33 | 25°31'47          | 14°19           | 7° 3           | 14° 1  | 5°52            | 1°40           | 28°36          | 8°27          | 28°43           | 17°32          | 7°48          | 6°59           | 0요 6          | 18°55           | S 19 |
| M20  | 21 51 29 | 26°29'33          | 27°21           | 7°59           | 14°37  | 6°31            | 1°44           | 28°35          | 8°27          | 28°45           | 17°33          | 7°47          | 6°56           | 0°12          | 18°55           | M20  |
| T 21 | 21 55 26 | 27°27'21          | 1095 8          | 9° 2           | 15°15  | 7°10            | 1°48           | 28°34          | 8°27          | 28°46           | 17°34          | 7°43          | 6°53           | 0°19          | 18°55           | T 21 |
| W22  | 21 59 23 | 28°25'11          | 22°43           | 10°11          | 15°53  | 7°49            | 1°52           | 28°33          | 8°28          | 28°47           | 17°34          | 7°37          | 6°49           | 0°26          | 18°55           | W22  |
| T 23 | 22 3 19  | 29°23'02          | 5 <b>Ω</b> 8    | 11°27          | 16°33  | 8°28            | 1°57           | 28°31          | 8°28          | 28°49           | 17°35          | 7°28          | 6°46           | 0°33          | 18°D55          | T 23 |
| F 24 | 22 7 16  | 0 <b>m</b> 20'55  | 17°23           | 12°48          | 17°14  | 9° 6            | 2° 1           | 28°31          | 8°28          | 28°50           | 17°35          | 7°16          | 6°43           | 0°39          | 18°55           | F 24 |
| S 25 | 22 11 12 | 1°18'49           | 29°31           | 14°14          | 17°56  | 9°45            | 2° 6           | 28°30          | 8°28          | 28°51           | 17°36          | 7° 3          | 6°40           | 0°46          | 18°55           | S 25 |
| S 26 | 22 15 9  | 2°16'45           | 11 <b>m</b> 32  | 15°45          | 18°39  | 10°23           | 2°11           | 28°29          | 8°29          | 28°52           | 17°36          | 6°49          | 6°37           | 0°53          | 18°55           | S 26 |
| M27  | 22 19 5  | 3°14'42           | 23°28           | 17°21          | 19°23  | 11° 2           | 2°16           | 28°28          | 8°29          | 28°53           | 17°37          | 6°35          | 6°33           | 0°59          | 18°56           | M27  |
| T 28 | 22 23 2  | 4°12'41           | 5 <b>≏</b> 19   | 19° 1          | 20° 8  | 11°40           | 2°21           | 28°28          | 8°30          | 28°55           | 17°37          | 6°23          | 6°30           | 1° 6          | 18°56           | T 28 |
| W29  | 22 26 58 | 5°10'41           | 17° 9           | 20°44          | 20°53  | 12°18           | 2°26           | 28°27          | 8°30          | 28°56           | 17°38          | 6°14          | 6°27           | 1°13          | 18°57           | W29  |
| T 30 | 22 30 55 | 6° 8'42           | 28°59           | 22°30          | 21°40  | 12°57           | 2°31           | 28°27          | 8°31          | 28°57           | 17°38          | 6° 7          | 6°24           | 1°20          | 18°57           | T 30 |
| F 31 | 22 34 52 | 7 <b>m</b> ) 6'46 | 10 <b>M</b> 54  | 24 <b>Ω</b> 19 | 229527 | 13935           | 2 <b>,</b> ₹37 | 28 <b>×</b> 26 | 8 <b>∡</b> 32 | 28 <b>II</b> 58 | 17 <b>Ⅲ</b> 39 | 6 <b>≯</b> 3  | 6 <b>₹</b> 21  | 1 <b>≏</b> 26 | 18 <b>∡</b> 758 | F 31 |

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| Day         | Sid.t               | 0                    | D                       | ğ              | ·              | ď              | 4               | ħ               | )∤(           | ¥              | В              | n             | v             | Ç             | ę,              | Day         |
|-------------|---------------------|----------------------|-------------------------|----------------|----------------|----------------|-----------------|-----------------|---------------|----------------|----------------|---------------|---------------|---------------|-----------------|-------------|
| S 1         | 22 38 48            | 8 Mp 4'50            | 22 <b>M</b> 57          | 26 <b>Ω</b> 10 | 23916          | 149613         | 2 <b>,</b> 7⁴43 | 28°R26          | 8 <b>×</b> 32 | 28П59          | 17 <b>Ⅲ</b> 39 | 6°R 2         | 6 <b>₹</b> 18 | 1 <b>≏</b> 33 | 18 <b>×</b> 759 | S 1         |
| S 2         | 22 42 45            | 9° 2'56              | 5 <b>₹</b> 15           | 28° 3          | 24° 5          | 14°51          | 2°49            | 28 <b>∡</b> ³26 | 8°33          | 29° 0          | 17°39          | 6 <b>₹</b> 1  | 6°14          | 1°40          | 19° 0           | S 2         |
| M 3         | 22 46 41            | 10° 1'04             | 17°51                   | 29°57          | 24°54          | 15°28          | 2°55            | 28°D26          | 8°34          | 29° 1          | 17°40          | 6° 1          | 6°11          | 1°46          | 19° 1           | M 3         |
| T 4         | 22 50 38            | 10°59'12             | 0 <b>궁</b> 51           | 1 m 52         | 25°45          | 16° 6          | 3° 1            | 28°26           | 8°35          | 29° 2          | 17°40          | 6° 0          | 6° 8          | 1°53          | 19° 2           | T 4         |
| W 5         | 22 54 34            | 11°57'23             | 14°19                   | 3°47           | 26°36          | 16°44          | 3° 7            | 28°26           | 8°36          | 29° 3          | 17°40          | 5°57          | 6° 5          | 2° 0          | 19° 3           | W 5         |
| T 6         | 22 58 31<br>23 2 27 | 12°55'35<br>13°53'48 | 28°17                   | 5°43<br>7°39   | 27°28<br>28°20 | 17°21<br>17°59 | 3°14<br>3°21    | 28°27<br>28°27  | 8°37<br>8°38  | 29° 4<br>29° 5 | 17°40<br>17°41 | 5°52<br>5°44  | 6° 2<br>5°59  | 2° 7<br>2°13  | 19° 4<br>19° 5  | T 6<br>F 7  |
| F 7<br>S 8  | 23 6 24             | 13°53'48<br>14°52'03 | 12 <b>≈</b> 45<br>27°37 | 9°35           | 28°20<br>29°13 | 17°39<br>18°36 | 3°27            | 28°27           | 8°39          | 29° 5          | 17°41          | 5°34          | 5°55          | 2°13          | 19° 5<br>19° 7  | F /         |
|             |                     |                      |                         |                |                |                |                 |                 |               |                |                |               |               |               | ,               |             |
| S 9         | 23 10 21            | 15°50'19             | 12 <b>)</b> (48         | 11°31          | 0Ω 7           | 19°14          | 3°34            | 28°28           | 8°40          | 29° 6          | 17°41          | 5°23          | 5°52          | 2°27          | 19° 8           | S 9         |
| M10         | 23 14 17            | 16°48'37             | 28° 6                   | 13°26          | 1° 1           | 19°51          | 3°41            | 28°29           | 8°41          | 29° 7          | 17°41          | 5°13          | 5°49          | 2°33          | 19°10           | M10         |
| T 11        | 23 18 14            | 17°46'58             | 13 <b>Y</b> 19          | 15°20          | 1°56           | 20°28          | 3°49            | 28°29           | 8°42          | 29° 8<br>29° 8 | 17°41          | 5° 4          | 5°46          | 2°40          | 19°12           | T 11        |
| W12<br>T 13 | 23 22 10<br>23 26 7 | 18°45'20<br>19°43'44 | 28°18<br>12 <b>8</b> 56 | 17°13<br>19° 6 | 2°52<br>3°48   | 21° 5<br>21°42 | 3°56<br>4° 3    | 28°30<br>28°31  | 8°43<br>8°45  | 29° 8<br>29° 9 | 17°42<br>17°42 | 4°57<br>4°54  | 5°43<br>5°39  | 2°47<br>2°53  | 19°13<br>19°15  | W12<br>T 13 |
| F 14        | 23 30 3             | 20°42'11             | 27° 7                   | 20°58          | 4°44           | 21°42<br>22°19 | 4°11            | 28°32           | 8°46          | 29°10          | 17°42          | 4°52          | 5°36          | 3° 0          | 19 13<br>19°17  | F 14        |
| S 15        | 23 34 0             | 21°40'39             | 10 <b>II</b> 52         | 20°49          | 5°41           | 22°55          | 4°19            | 28°33           | 8°48          | 29°10          | 17°42          | 4°D52         | 5°33          | 3° 7          | 19°19           | S 15        |
| S 16        | 23 37 56            | 22°39'10             | 24°12                   | 24°39          | 6°39           | 23°32          | 4°27            | 28°35           | 8°49          | 29°11          | 17°42          | 4°R52         | 5°30          | 3°14          | 19°21           | S 16        |
| M17         | 23 41 53            | 23°37'43             | 79910                   | 26°28          | 7°37           | 23°32<br>24° 9 | 4°27<br>4°35    | 28°36           | 8°51          | 29°11<br>29°12 | 17°42          | 4°K52<br>4°51 | 5°27          | 3°14<br>3°20  | 19°21           | M17         |
| T 18        | 23 45 50            | 24°36'19             | 19°49                   | 28°16          | 8°35           | 24°45          | 4°43            | 28°37           | 8°52          | 29°12          | 17°R42         | 4°49          | 5°24          | 3°27          | 19°24           | T 18        |
| W19         | 23 49 46            | 25°34'56             | 2Ω14                    | 0 <u>₽</u> 3   | 9°34           | 25°22          | 4°51            | 28°39           | 8°54          | 29°13          | 17°42          | 4°43          | 5°20          | 3°34          | 19°28           | W19         |
| T 20        | 23 53 43            | 26°33'36             | 14°28                   | 1°49           | 10°33          | 25°58          | 4°59            | 28°41           | 8°55          | 29°13          | 17°42          | 4°35          | 5°17          | 3°40          | 19°31           | T 20        |
| F 21        | 23 57 39            | 27°32'17             | 26°33                   | 3°34           | 11°33          | 26°34          | 5° 8            | 28°42           | 8°57          | 29°13          | 17°42          | 4°25          | 5°14          | 3°47          | 19°33           | F 21        |
| S 22        | 0 136               | 28°31'01             | 8 <b>m</b> 32           | 5°18           | 12°33          | 27°10          | 5°17            | 28°44           | 8°59          | 29°14          | 17°42          | 4°13          | 5°11          | 3°54          | 19°36           | S 22        |
| S 23        | 0 5 32              | 29°29'47             | 20°27                   | 7° 1           | 13°34          | 27°46          | 5°25            | 28°46           | 9° 1          | 29°14          | 17°42          | 4° 1          | 5° 8          | 4° 1          | 19°39           | S 23        |
| M24         | 0 9 29              | 0 <b>ჲ</b> 28'35     | 2 <b>₽</b> 19           | 8°43           | 14°35          | 28°22          | 5°34            | 28°48           | 9° 2          | 29°14          | 17°42          | 3°49          | 5° 5          | 4° 7          | 19°42           | M24         |
| T 25        | 0 13 25             | 1°27'25              | 14° 9                   | 10°24          | 15°36          | 28°58          | 5°43            | 28°50           | 9° 4          | 29°15          | 17°41          | 3°38          | 5° 1          | 4°14          | 19°44           | T 25        |
| W26         | 0 17 22             | 2°26'16              | 26° 0                   | 12° 4          | 16°38          | 29°33          | 5°52            | 28°52           | 9° 6          | 29°15          | 17°41          | 3°29          | 4°58          | 4°21          | 19°47           | W26         |
| T 27        | 0 21 18             | 3°25'10              | 7 <b>M</b> 53           | 13°44          | 17°40          | 0 <b>N</b> 9   | 6° 2            | 28°55           | 9° 8          | 29°15          | 17°41          | 3°24          | 4°55          | 4°27          | 19°50           | T 27        |
| F 28        | 0 25 15             | 4°24'06              | 19°50                   | 15°22          | 18°42          | 0°44           | 6°11            | 28°57           | 9°10          | 29°15          | 17°41          | 3°20          | 4°52          | 4°34          | 19°54           | F 28        |
| S 29        | 0 29 12             | 5°23'03              | 1 <b>∡</b> 757          | 16°59          | 19°45          | 1°19           | 6°20            | 29° 0           | 9°12          | 29°15          | 17°41          | 3°D19         | 4°49          | 4°41          | 19°57           | S 29        |
| S 30        | 0 33 8              | 6 <b>₾</b> 22'03     | 14 <b>×</b> 15          | 18 <b>≏</b> 36 | 20 <b>Ω</b> 48 | 1 <b>N</b> 55  | 6 <b>₮</b> 30   | 29 <b>×7</b> 2  | 9 <b>∡</b> 14 | 29∏16          | 17 <b>Ⅱ</b> 40 | 3 <b>₹</b> 20 | 4 <b>₹</b> 45 | 4 <b>≗</b> 47 | 20 <b>×</b> 0   | S 30        |

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| Day  | Sid.t   | $\odot$          | D               | ğ              | φ              | ♂ <sup>™</sup> | 4              | ħ              | )ұ(            | ¥      | Р              | £             | သ              | Ç             | ę,             | Day  |
|------|---------|------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|---------------|----------------|---------------|----------------|------|
| M 1  | 0 37 5  | 7 <b>≙</b> 21'04 | 26 <b>×</b> 750 | 20 <b>≏</b> 12 | 21 <b>Q</b> 51 | 2 <b>Ω</b> 30  | 6 <b>₹</b> 140 | 29 <b>×7</b> 5 | 9 <b>∡</b> 17  | 29∏16  | 17°R40         | 3 <b>~</b> 21 | 4 <b>₹</b> 142 | 4 <b>Ω</b> 54 | 20 <b>×</b> 3  | M 1  |
| T 2  | 0 41 1  | 8°20'07          | 9 <b>ප</b> 46   | 21°46          | 22°55          | 3° 5           | 6°49           | 29° 8          | 9°19           | 29°16  | 17 <b>Ⅱ</b> 40 | 3°R21         | 4°39           | 5° 1          | 20° 7          | T 2  |
| W 3  | 0 44 58 | 9°19'11          | 23° 7           | 23°21          | 23°59          | 3°39           | 6°59           | 29°10          | 9°21           | 29°R16 | 17°39          | 3°20          | 4°36           | 5° 8          | 20°10          | W 3  |
| T 4  | 0 48 54 | 10°18'18         | 6≈56            | 24°54          | 25° 3          | 4°14           | 7° 9           | 29°13          | 9°23           | 29°16  | 17°39          | 3°17          | 4°33           | 5°14          | 20°14          | T 4  |
| F 5  | 0 52 51 | 11°17'26         | 21°14           | 26°26          | 26° 8          | 4°49           | 7°19           | 29°16          | 9°26           | 29°16  | 17°39          | 3°12          | 4°30           | 5°21          | 20°18          | F 5  |
| S 6  | 0 56 47 | 12°16'36         | 5 <b>¥</b> 58   | 27°58          | 27°12          | 5°23           | 7°30           | 29°19          | 9°28           | 29°16  | 17°38          | 3° 5          | 4°26           | 5°28          | 20°21          | S 6  |
| S 7  | 1 0 44  | 13°15'47         | 21° 2           | 29°29          | 28°18          | 5°57           | 7°40           | 29°23          | 9°30           | 29°15  | 17°38          | 2°58          | 4°23           | 5°34          | 20°25          | S 7  |
| M 8  | 1 441   | 14°15'01         | 6 <b>Ƴ</b> 19   | 0 <b>M</b> .59 | 29°23          | 6°32           | 7°50           | 29°26          | 9°33           | 29°15  | 17°38          | 2°50          | 4°20           | 5°41          | 20°29          | M 8  |
| T 9  | 1 8 37  | 15°14'17         | 21°36           | 2°28           | 0 <b>m</b> 28  | 7° 6           | 8° 1           | 29°29          | 9°35           | 29°15  | 17°37          | 2°44          | 4°17           | 5°48          | 20°33          | T 9  |
| W10  | 1 12 34 | 16°13'34         | 6 <b>8</b> 44   | 3°56           | 1°34           | 7°40           | 8°11           | 29°33          | 9°38           | 29°15  | 17°37          | 2°39          | 4°14           | 5°55          | 20°37          | W10  |
| T 11 | 1 16 30 | 17°12'54         | 21°32           | 5°24           | 2°40           | 8°14           | 8°22           | 29°36          | 9°40           | 29°15  | 17°36          | 2°37          | 4°10           | 6° 1          | 20°41          | T 11 |
| F 12 | 1 20 27 | 18°12'17         | 5 <b>Ⅱ</b> 55   | 6°51           | 3°47           | 8°47           | 8°33           | 29°40          | 9°43           | 29°14  | 17°36          | 2°D37         | 4° 7           | 6° 8          | 20°45          | F 12 |
| S 13 | 1 24 23 | 19°11'41         | 19°51           | 8°17           | 4°53           | 9°21           | 8°44           | 29°44          | 9°45           | 29°14  | 17°35          | 2°38          | 4° 4           | 6°15          | 20°49          | S 13 |
| S 14 | 1 28 20 | 20°11'08         | 39518           | 9°42           | 6° 0           | 9°54           | 8°54           | 29°47          | 9°48           | 29°14  | 17°35          | 2°39          | 4° 1           | 6°21          | 20°54          | S 14 |
| M15  | 1 32 16 | 21°10'37         | 16°21           | 11° 6          | 7° 7           | 10°28          | 9° 6           | 29°51          | 9°51           | 29°13  | 17°34          | 2°R40         | 3°58           | 6°28          | 20°58          | M15  |
| T 16 | 1 36 13 | 22°10'09         | 29° 1           | 12°30          | 8°14           | 11° 1          | 9°17           | 29°55          | 9°54           | 29°13  | 17°33          | 2°40          | 3°55           | 6°35          | 21° 3          | T 16 |
| W17  | 1 40 10 | 23° 9'43         | 11 <b>Ω</b> 24  | 13°52          | 9°22           | 11°34          | 9°28           | 29°59          | 9°56           | 29°12  | 17°33          | 2°38          | 3°51           | 6°41          | 21° 7          | W17  |
| T 18 | 1 44 6  | 24° 9'19         | 23°33           | 15°14          | 10°30          | 12° 7          | 9°39           | 0중 3           | 9°59           | 29°12  | 17°32          | 2°34          | 3°48           | 6°48          | 21°12          | T 18 |
| F 19 | 1 48 3  | 25° 8'57         | 5 <b>m</b> 33   | 16°34          | 11°37          | 12°40          | 9°50           | 0° 7           | 10° 2          | 29°11  | 17°32          | 2°29          | 3°45           | 6°55          | 21°16          | F 19 |
| S 20 | 1 51 59 | 26° 8'37         | 17°27           | 17°53          | 12°46          | 13°12          | 10° 2          | 0°12           | 10° 5          | 29°11  | 17°31          | 2°23          | 3°42           | 7° 2          | 21°21          | S 20 |
| S 21 | 1 55 56 | 27° 8'20         | 29°18           | 19°12          | 13°54          | 13°45          | 10°13          | 0°16           | 10° 8          | 29°10  | 17°30          | 2°16          | 3°39           | 7° 8          | 21°26          | S 21 |
| M22  | 1 59 52 | 28° 8'05         | 11 <b>º</b> 9   | 20°29          | 15° 2          | 14°17          | 10°25          | 0°20           | 10°11          | 29°10  | 17°30          | 2°10          | 3°36           | 7°15          | 21°30          | M22  |
| T 23 | 2 3 49  | 29° 7'52         | 23° 1           | 21°44          | 16°11          | 14°49          | 10°37          | 0°25           | 10°14          | 29° 9  | 17°29          | 2° 4          | 3°32           | 7°22          | 21°35          | T 23 |
| W24  | 2 7 45  | 0 <b>ጤ</b> 7'41  | 4ML56           | 22°58          | 17°20          | 15°21          | 10°48          | 0°29           | 10°17          | 29° 8  | 17°28          | 1°59          | 3°29           | 7°28          | 21°40          | W24  |
| T 25 | 2 11 42 | 1° 7'31          | 16°57           | 24°11          | 18°29          | 15°53          | 11° 0          | 0°34           | 10°20          | 29° 7  | 17°27          | 1°57          | 3°26           | 7°35          | 21°45          | T 25 |
| F 26 | 2 15 38 | 2° 7'24          | 29° 4           | 25°22          | 19°38          | 16°25          | 11°12          | 0°39           | 10°23          | 29° 7  | 17°27          | 1°D56         | 3°23           | 7°42          | 21°50          | F 26 |
| S 27 | 2 19 35 | 3° 7'19          | 11 <b>×</b> 20  | 26°31          | 20°47          | 16°56          | 11°24          | 0°44           | 10°26          | 29° 6  | 17°26          | 1°56          | 3°20           | 7°48          | 21°55          | S 27 |
| S 28 | 2 23 32 | 4° 7'15          | 23°48           | 27°38          | 21°57          | 17°27          | 11°36          | 0°48           | 10°29          | 29° 5  | 17°25          | 1°57          | 3°16           | 7°55          | 22° 0          | S 28 |
| M29  | 2 27 28 | 5° 7'13          | 6 <b>궁</b> 29   | 28°42          | 23° 6          | 17°58          | 11°48          | 0°53           | 10°32          | 29° 4  | 17°24          | 1°59          | 3°13           | 8° 2          | 22° 6          | M29  |
| T 30 | 2 31 25 | 6° 7'13          | 19°28           | 29°44          | 24°16          | 18°29          | 12° 0          | 0°58           | 10°35          | 29° 3  | 17°23          | 2° 1          | 3°10           | 8° 8          | 22°11          | T 30 |
| W31  | 2 35 21 | 7 <b>M</b> 7'15  | 2≈47            | 0 <b>∡</b> 143 | 25 Mp 26       | 19⋒ 0          | 12 <b>×</b> 13 | 1る3            | 10 <b>∡</b> 38 | 29耳 3  | 17 <b>Ⅲ</b> 23 | 2°R 1         | 3 <b>∡</b> 7   | 8 <b>₾</b> 15 | 22 <b>×</b> 16 | W31  |

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| Day  | Sid.t   | 0                 | D               | ğ              | ·              | ð              | 4               | ħ            | )ұ(             | 卉              | В              | ß             | ß              | Ç              | ę,              | Day  |
|------|---------|-------------------|-----------------|----------------|----------------|----------------|-----------------|--------------|-----------------|----------------|----------------|---------------|----------------|----------------|-----------------|------|
| T 1  | 2 39 18 | 8 <b>M</b> 7'18   | 16≈28           | 1 <b>∡</b> 138 | 26M)36         | 19 <b>Ω</b> 31 | 12 <b>×</b> 25  | 1名 8         | 10 <b>∡</b> 142 | 29°R 2         | 17°R22         | 2°R 1         | 3 <b>∡</b> 7 4 | 8 <b>₾</b> 22  | 22 <b>×</b> 122 | T 1  |
| F 2  | 2 43 14 | 9° 7'22           | 0 <b>)</b> €32  | 2°31           | 27°46          | 20° 1          | 12°37           | 1°14         | 10°45           | 29耳 1          | 17 <b>Ⅲ</b> 21 | 2 <b>,₹</b> 0 | 3° 1           | 8°29           | 22°27           | F 2  |
| S 3  | 2 47 11 | 10° 7'28          | 14°58           | 3°19           | 28°57          | 20°31          | 12°50           | 1°19         | 10°48           | 29° 0          | 17°20          | 1°58          | 2°57           | 8°35           | 22°32           | S 3  |
| S 4  | 2 51 7  | 11° 7'36          | 29°43           | 4° 2           | 0요 7           | 21° 1          | 13° 2           | 1°24         | 10°51           | 28°59          | 17°19          | 1°55          | 2°54           | 8°42           | 22°38           | S 4  |
| M 5  | 2 55 4  | 12° 7'45          | 14 <b>Y</b> 41  | 4°41           | 1°18           | 21°31          | 13°15           | 1°29         | 10°55           | 28°58          | 17°18          | 1°52          | 2°51           | 8°49           | 22°44           | M 5  |
| T 6  | 2 59 1  | 13° 7'56          | 29°44           | 5°14           | 2°29           | 22° 1          | 13°27           | 1°35         | 10°58           | 28°57          | 17°17          | 1°50          | 2°48           | 8°55           | 22°49           | T 6  |
| W 7  | 3 2 57  | 14° 8'08          | 14843           | 5°41           | 3°40           | 22°30          | 13°40           | 1°40         | 11° 2           | 28°56          | 17°16          | 1°48          | 2°45           | 9° 2           | 22°55           | W 7  |
| T 8  | 3 6 54  | 15° 8'23          | 29°29           | 6° 1           | 4°51           | 23° 0          | 13°52           | 1°46         | 11° 5           | 28°54          | 17°15          | 1°D48         | 2°41           | 9° 9           | 23° 0           | T 8  |
| F 9  | 3 10 50 | 16° 8'39          | 13 <b>II</b> 56 | 6°13           | 6° 2           | 23°29          | 14° 5           | 1°51         | 11° 8           | 28°53          | 17°14          | 1°48          | 2°38           | 9°15           | 23° 6           | F 9  |
| S 10 | 3 14 47 | 17° 8'57          | 27°58           | 6°R17          | 7°13           | 23°57          | 14°18           | 1°57         | 11°12           | 28°52          | 17°14          | 1°49          | 2°35           | 9°22           | 23°12           | S 10 |
| S 11 | 3 18 43 | 18° 9'18          | 119534          | 6°13           | 8°24           | 24°26          | 14°31           | 2° 3         | 11°15           | 28°51          | 17°13          | 1°50          | 2°32           | 9°29           | 23°18           | S 11 |
| M12  | 3 22 40 | 19° 9'40          | 24°44           | 5°58           | 9°36           | 24°54          | 14°44           | 2° 9         | 11°19           | 28°50          | 17°12          | 1°51          | 2°29           | 9°36           | 23°24           | M12  |
| T 13 | 3 26 36 | 20°10'03          | 7 <b>Ω</b> 30   | 5°34           | 10°47          | 25°23          | 14°57           | 2°14         | 11°22           | 28°49          | 17°11          | 1°52          | 2°26           | 9°42           | 23°29           | T 13 |
| W14  | 3 30 33 | 21°10'29          | 19°57           | 5° 0           | 11°59          | 25°51          | 15°10           | 2°20         | 11°26           | 28°47          | 17°10          | 1°R52         | 2°22           | 9°49           | 23°35           | W14  |
| T 15 | 3 34 30 | 22°10'57          | 2Mp 7           | 4°15           | 13°11          | 26°18          | 15°23           | 2°26         | 11°29           | 28°46          | 17° 8          | 1°52          | 2°19           | 9°56           | 23°41           | T 15 |
| F 16 | 3 38 26 | 23°11'26          | 14° 6           | 3°21           | 14°23          | 26°46          | 15°36           | 2°32         | 11°33           | 28°45          | 17° 7          | 1°52          | 2°16           | 10° 2          | 23°47           | F 16 |
| S 17 | 3 42 23 | 24°11'58          | 25°59           | 2°17           | 15°35          | 27°13          | 15°49           | 2°38         | 11°36           | 28°43          | 17° 6          | 1°51          | 2°13           | 10° 9          | 23°53           | S 17 |
| S 18 | 3 46 19 | 25°12'31          | 7 <b>≙</b> 49   | 1° 6           | 16°47          | 27°40          | 16° 2           | 2°44         | 11°40           | 28°42          | 17° 5          | 1°50          | 2°10           | 10°16          | 23°59           | S 18 |
| M19  | 3 50 16 | 26°13'06          | 19°40           | 29 <b>M</b> 49 | 17°59          | 28° 7          | 16°15           | 2°50         | 11°43           | 28°41          | 17° 4          | 1°49          | 2° 7           | 10°22          | 24° 6           | M19  |
| T 20 | 3 54 12 | 27°13'42          | 1 <b>M</b> J36  | 28°28          | 19°12          | 28°33          | 16°28           | 2°56         | 11°47           | 28°39          | 17° 3          | 1°48          | 2° 3           | 10°29          | 24°12           | T 20 |
| W21  | 3 58 9  | 28°14'20          | 13°38           | 27° 7          | 20°24          | 28°59          | 16°41           | 3° 3         | 11°50           | 28°38          | 17° 2          | 1°48          | 2° 0           | 10°36          | 24°18           | W21  |
| T 22 | 4 2 5   | 29°15'00          | 25°49           | 25°47          | 21°37          | 29°25          | 16°55           | 3° 9         | 11°54           | 28°36          | 17° 1          | 1°D48         | 1°57           | 10°42          | 24°24           | T 22 |
| F 23 | 4 6 2   | 0 <b>₮</b> 15'41  | 8 <b>×</b> 11   | 24°31          | 22°49          | 29°51          | 17° 8           | 3°15         | 11°58           | 28°35          | 17° 0          | 1°48          | 1°54           | 10°49          | 24°30           | F 23 |
| S 24 | 4 9 59  | 1°16'24           | 20°45           | 23°23          | 24° 2          | 0 <b>m</b> 16  | 17°21           | 3°22         | 12° 1           | 28°34          | 16°59          | 1°48          | 1°51           | 10°56          | 24°37           | S 24 |
| S 25 | 4 13 55 | 2°17'08           | 3 <b>ට</b> 31   | 22°23          | 25°15          | 0°41           | 17°35           | 3°28         | 12° 5           | 28°32          | 16°58          | 1°R48         | 1°47           | 11° 3          | 24°43           | S 25 |
| M26  | 4 17 52 | 3°17'53           | 16°30           | 21°33          | 26°27          | 1° 6           | 17°48           | 3°34         | 12° 9           | 28°31          | 16°57          | 1°48          | 1°44           | 11° 9          | 24°49           | M26  |
| T 27 | 4 21 48 | 4°18'39           | 29°43           | 20°54          | 27°40          | 1°30           | 18° 2           | 3°41         | 12°12           | 28°29          | 16°55          | 1°47          | 1°41           | 11°16          | 24°55           | T 27 |
| W28  | 4 25 45 | 5°19'26           | 13≈11           | 20°27          | 28°53          | 1°55           | 18°15           | 3°47         | 12°16           | 28°28          | 16°54          | 1°47          | 1°38           | 11°23          | 25° 2           | W28  |
| T 29 | 4 29 41 | 6°20'14           | 26°53           | 20°12          | 0 <b>™</b> 6   | 2°18           | 18°28           | 3°54         | 12°20           | 28°26          | 16°53          | 1°47          | 1°35           | 11°29          | 25° 8           | T 29 |
| F 30 | 4 33 38 | 7 <b>.</b> ₹21'03 | 10 <b>¥</b> 50  | 20°D 7         | 1 <b>M</b> .19 | 2 Mp 42        | 18 <b>∡</b> ⁴42 | 4 <b>ろ</b> 0 | 12 <b>×</b> 23  | 28 <b>Ⅱ</b> 24 | 16耳52          | 1°D47         | 1 <b>₹</b> 32  | 11 <b>≏</b> 36 | 25 <b>×</b> 15  | F 30 |

Delta T = -0.98 sec

DECEMBER 1900 00:00 UT

| Day  | Sid.t   | 0                 | 2)              | φ              | φ              | o <sup>7</sup>  | 4               | ħ             | )ұ(            | ¥              | 2      | R              | Ω               | ţ              | δ              | Day  |
|------|---------|-------------------|-----------------|----------------|----------------|-----------------|-----------------|---------------|----------------|----------------|--------|----------------|-----------------|----------------|----------------|------|
| S 1  | 4 37 34 | 8 <b>×</b> 121'53 | 25 <b>光</b> 1   | 20 <b>M</b> 13 | 2 <b>M</b> 33  | 3 Mp 5          | 18 <b>∡</b> 755 | 4궁 7          | 12 <b>×</b> 27 | 28°R23         | 16°R51 | 1 <b>∡7</b> 47 | 1 <b>∡</b> 728  | 11 <b>≏</b> 43 | 25 <b>×</b> 21 | S 1  |
| S 2  | 4 41 31 | 9°22'43           | 9 <b>Υ</b> 23   | 20°30          | 3°46           | 3°28            | 19° 9           | 4°14          | 12°31          | 28Ⅲ21          | 16耳50  | 1°47           | 1°25            | 11°49          | 25°27          | S 2  |
| M 3  | 4 45 28 | 10°23'35          | 23°55           | 20°55          | 4°59           | 3°51            | 19°22           | 4°20          | 12°34          | 28°20          | 16°49  | 1°48           | 1°22            | 11°56          | 25°34          | M 3  |
| T 4  | 4 49 24 | 11°24'27          | 8 <b>8</b> 30   | 21°28          | 6°12           | 4°13            | 19°36           | 4°27          | 12°38          | 28°18          | 16°47  | 1°49           | 1°19            | 12° 3          | 25°40          | T 4  |
| W 5  | 4 53 21 | 12°25'21          | 23° 5           | 22° 8          | 7°26           | 4°35            | 19°50           | 4°34          | 12°42          | 28°17          | 16°46  | 1°49           | 1°16            | 12° 9          | 25°47          | W 5  |
| T 6  | 4 57 17 | 13°26'15          | 7 <b>Ⅲ</b> 33   | 22°55          | 8°39           | 4°56            | 20° 3           | 4°40          | 12°45          | 28°15          | 16°45  | 1°R50          | 1°13            | 12°16          | 25°53          | T 6  |
| F 7  | 5 1 14  | 14°27'10          | 21°47           | 23°48          | 9°53           | 5°17            | 20°17           | 4°47          | 12°49          | 28°13          | 16°44  | 1°49           | 1° 9            | 12°23          | 26° 0          | F 7  |
| S 8  | 5 5 10  | 15°28'07          | 5 <b>9</b> 44   | 24°45          | 11° 6          | 5°38            | 20°30           | 4°54          | 12°53          | 28°12          | 16°43  | 1°48           | 1° 6            | 12°30          | 26° 6          | S 8  |
| S 9  | 5 9 7   | 16°29'04          | 19°20           | 25°47          | 12°20          | 5°58            | 20°44           | 5° 1          | 12°56          | 28°10          | 16°42  | 1°46           | 1° 3            | 12°36          | 26°13          | S 9  |
| M10  | 5 13 4  | 17°30'02          | $2\Omega$ 33    | 26°53          | 13°34          | 6°18            | 20°58           | 5° 8          | 13° 0          | 28° 8          | 16°40  | 1°43           | 1° 0            | 12°43          | 26°19          | M10  |
| T 11 | 5 17 0  | 18°31'02          | 15°24           | 28° 2          | 14°47          | 6°38            | 21°11           | 5°15          | 13° 4          | 28° 7          | 16°39  | 1°41           | 0°57            | 12°50          | 26°26          | T 11 |
| W12  | 5 20 57 | 19°32'02          | 27°55           | 29°14          | 16° 1          | 6°57            | 21°25           | 5°21          | 13° 7          | 28° 5          | 16°38  | 1°39           | 0°53            | 12°56          | 26°32          | W12  |
| T 13 | 5 24 53 | 20°33'03          | 10 <b>m</b> , 9 | 0 <b>₹</b> 28  | 17°15          | 7°16            | 21°39           | 5°28          | 13°11          | 28° 3          | 16°37  | 1°38           | 0°50            | 13° 3          | 26°39          | T 13 |
| F 14 | 5 28 50 | 21°34'06          | 22°10           | 1°45           | 18°29          | 7°34            | 21°52           | 5°35          | 13°15          | 28° 2          | 16°36  | 1°D37          | 0°47            | 13°10          | 26°46          | F 14 |
| S 15 | 5 32 46 | 22°35'09          | 4 <b>₾</b> 3    | 3° 3           | 19°43          | 7°52            | 22° 6           | 5°42          | 13°18          | 28° 0          | 16°35  | 1°38           | 0°44            | 13°16          | 26°52          | S 15 |
| S 16 | 5 36 43 | 23°36'14          | 15°52           | 4°23           | 20°57          | 8° 9            | 22°20           | 5°49          | 13°22          | 27°58          | 16°34  | 1°39           | 0°41            | 13°23          | 26°59          | S 16 |
| M17  | 5 40 39 | 24°37'19          | 27°44           | 5°44           | 22°11          | 8°26            | 22°33           | 5°56          | 13°26          | 27°57          | 16°32  | 1°41           | 0°38            | 13°30          | 27° 5          | M17  |
| T 18 | 5 44 36 | 25°38'25          | 9 <b>M</b> .42  | 7° 7           | 23°25          | 8°43            | 22°47           | 6° 3          | 13°29          | 27°55          | 16°31  | 1°43           | 0°34            | 13°36          | 27°12          | T 18 |
| W19  | 5 48 33 | 26°39'32          | 21°50           | 8°31           | 24°39          | 8°59            | 23° 1           | 6°10          | 13°33          | 27°53          | 16°30  | 1°44           | 0°31            | 13°43          | 27°18          | W19  |
| T 20 | 5 52 29 | 27°40'40          | 4 <b>₹</b> 12   | 9°56           | 25°53          | 9°14            | 23°14           | 6°17          | 13°36          | 27°51          | 16°29  | 1°R44          | 0°28            | 13°50          | 27°25          | T 20 |
| F 21 | 5 56 26 | 28°41'48          | 16°49           | 11°21          | 27° 7          | 9°29            | 23°28           | 6°24          | 13°40          | 27°50          | 16°28  | 1°43           | 0°25            | 13°57          | 27°32          | F 21 |
| S 22 | 6 0 22  | 29°42'57          | 29°42           | 12°48          | 28°22          | 9°44            | 23°42           | 6°31          | 13°44          | 27°48          | 16°27  | 1°41           | 0°22            | 14° 3          | 27°38          | S 22 |
| S 23 | 6 4 19  | 0 <b>궁</b> 44'06  | 12 <b>る</b> 52  | 14°15          | 29°36          | 9°58            | 23°55           | 6°38          | 13°47          | 27°46          | 16°26  | 1°37           | 0°19            | 14°10          | 27°45          | S 23 |
| M24  | 6 8 15  | 1°45'16           | 26°17           | 15°42          | 0 <b>才</b> 50  | 10°11           | 24° 9           | 6°45          | 13°51          | 27°45          | 16°24  | 1°33           | 0°15            | 14°17          | 27°51          | M24  |
| T 25 | 6 12 12 | 2°46'26           | 9 <b>≈</b> 56   | 17°11          | 2° 4           | 10°24           | 24°23           | 6°53          | 13°54          | 27°43          | 16°23  | 1°27           | 0°12            | 14°23          | 27°58          | T 25 |
| W26  | 6 16 8  | 3°47'35           | 23°45           | 18°39          | 3°19           | 10°37           | 24°36           | 7° 0          | 13°58          | 27°41          | 16°22  | 1°22           | 0° 9            | 14°30          | 28° 4          | W26  |
| T 27 | 6 20 5  | 4°48'45           | 7 <b>)</b> €42  | 20° 9          | 4°33           | 10°48           | 24°50           | 7° 7          | 14° 1          | 27°40          | 16°21  | 1°18           | 0° 6            | 14°37          | 28°11          | T 27 |
| F 28 | 6 24 2  | 5°49'55           | 21°45           | 21°38          | 5°47           | 11° 0           | 25° 3           | 7°14          | 14° 5          | 27°38          | 16°20  | 1°16           | 0° 3            | 14°43          | 28°17          | F 28 |
| S 29 | 6 27 58 | 6°51'05           | 5 <b>Ƴ</b> 52   | 23° 8          | 7° 2           | 11°10           | 25°17           | 7°21          | 14° 8          | 27°36          | 16°19  | 1°D15          | 29 <b>M</b> 59  | 14°50          | 28°24          | S 29 |
| S 30 | 6 31 55 | 7°52'14           | 20° 1           | 24°39          | 8°16           | 11°20           | 25°30           | 7°28          | 14°12          | 27°34          | 16°18  | 1°16           | 29°56           | 14°57          | 28°31          | S 30 |
| M31  | 6 35 51 | 8 <b>궁</b> 53'24  | 4 <b>8</b> 11   | 26 <b>×</b> 10 | 9 <b>.7</b> 31 | 11 <b>M</b> y30 | 25 <b>₹</b> 44  | 7 <b>云</b> 35 | 14 <b>×</b> 15 | 27 <b>Ⅲ</b> 33 | 16耳17  | 1 <b>√</b> 17  | 29 <b>IL</b> 53 | 15 <b>♀</b> 3  | 28 <b>∡</b> 37 | M31  |

Delta T = -0.87 sec

JANUARY 1901 00:00 UT

| Day          | Sid.t              | 0                            | D                               | ğ                        | φ                       | ð                        | 4                                  | ħ                     | )f(                     | ħ                        | Р                        | ß                      | Ω                       | Ç                       | ę,                       | Day          |
|--------------|--------------------|------------------------------|---------------------------------|--------------------------|-------------------------|--------------------------|------------------------------------|-----------------------|-------------------------|--------------------------|--------------------------|------------------------|-------------------------|-------------------------|--------------------------|--------------|
| T 1<br>W 2   | 6 39 48<br>6 43 44 | 9 <b>る</b> 54'33<br>10°55'42 | 18 <b>႘</b> 19<br>2 <b>川</b> 24 | 27 <b>×7</b> 41<br>29°12 | 10 <b>х</b> 45<br>12° 0 | 11 <b>m</b> )39<br>11°47 | 25 <b>₹</b> 57<br>26°11            | 7 <b>る</b> 42<br>7°49 | 14 <b>∡</b> 18<br>14°22 | 27°R31<br>27 <b>Ⅲ</b> 29 | 16°R16<br>16 <b>Ⅱ</b> 15 | 1 <b>√</b> 18<br>1°R19 | 29 <b>M</b> 50<br>29°47 | 15 <b>≙</b> 10<br>15°17 | 28 <b>×</b> 743<br>28°50 | T 1<br>W 2   |
| T 3<br>F 4   | 6 47 41<br>6 51 37 | 11°56'51<br>12°58'00         | 16°23<br>0 <b>©</b> 14          | 0 <b>중</b> 44<br>2°17    | 13°14<br>14°29          | 11°54<br>12° 1           | 26°24<br>26°38                     | 7°56<br>8° 3          | 14°25<br>14°29          | 27°28<br>27°26           | 16°14<br>16°13           | 1°18<br>1°15           | 29°44<br>29°40          | 15°23<br>15°30          | 28°56<br>29° 3           | T 3<br>F 4   |
| S 5          | 6 55 34            | 13°59'08                     | 13°52                           | 3°49                     | 15°43                   | 12° 8                    | 26°51                              | 8°10                  | 14°32                   | 27°25                    | 16°12                    | 1°10                   | 29°37                   | 15°37                   | 29° 9                    | S 5          |
| S 6          | 6 59 31            | 15° 0'17                     | 27°15                           | 5°22                     | 16°58                   | 12°13                    | 27° 5                              | 8°18                  | 14°35                   | 27°23                    | 16°11                    | 1° 3                   | 29°34                   | 15°43                   | 29°16                    | S 6          |
| M 7<br>T 8   | 7 3 27<br>7 7 24   | 16° 1'25<br>17° 2'33         | 10 <b>Ω</b> 22<br>23°10         | 6°56<br>8°30             | 18°12<br>19°27          | 12°18<br>12°22           | 27°18<br>27°31                     | 8°25<br>8°32          | 14°39<br>14°42          | 27°21<br>27°20           | 16°10<br>16° 9           | 0°54<br>0°46           | 29°31<br>29°28          | 15°50<br>15°57          | 29°22<br>29°28           | M 7<br>T 8   |
| W 9          | 7 11 20            | 18° 3'42                     | 5 m/ 40                         | 10° 4                    | 20°42                   | 12°26                    | 27°45                              | 8°39                  | 14°45                   | 27°18                    | 16° 8                    | 0°38                   | 29°25                   | 16° 4                   | 29°35                    | W 9          |
| T 10         | 7 15 17            | 19° 4'50                     | 17°54                           | 11°39                    | 21°56                   | 12°29                    | 27°58                              | 8°46                  | 14°48                   | 27°17                    | 16° 7                    | 0°31                   | 29°21                   | 16°10                   | 29°41                    | T 10         |
| F 11<br>S 12 | 7 19 13<br>7 23 10 | 20° 5'58<br>21° 7'06         | 29°56<br>11 <b>≙</b> 50         | 13°14<br>14°50           | 23°11<br>24°25          | 12°31<br>12°32           | 28°11<br>28°24                     | 8°53<br>9°0           | 14°51<br>14°55          | 27°15<br>27°14           | 16° 6<br>16° 5           | 0°27<br>0°24           | 29°18<br>29°15          | 16°17<br>16°24          | 29°47<br>29°53           | F 11<br>S 12 |
| S 13         | 7 27 6             | 22° 8'13                     | 23°39                           | 16°26                    | 25°40                   | 12°R33                   | 28°37                              | 9° 7                  | 14°58                   | 27°12                    | 16° 4                    | 0°D24                  | 29°12                   | 16°30                   | 29°59                    | S 13         |
| M14<br>T 15  | 7 31 3<br>7 35 0   | 23° 9'21<br>24°10'29         | 5 <b>M</b> ₊30<br>17°28         | 18° 2<br>19°39           | 26°55<br>28°10          | 12°33<br>12°32           | 28°51<br>29°4                      | 9°14<br>9°21          | 15° 1<br>15° 4          | 27°11<br>27° 9           | 16° 3<br>16° 2           | 0°24<br>0°26           | 29° 9<br>29° 5          | 16°37<br>16°44          | 0 <b>궁</b> 6<br>0°12     | M14<br>T 15  |
| W16          | 7 38 56            | 24 10 29<br>25°11'36         | 29°38                           | 21°17                    | 28 10<br>29°24          | 12°30                    | 29°17                              | 9°27                  | 15° 7                   | 27° 8                    | 16° 2                    | 0°R26                  | 29° 2                   | 16°50                   | 0°18                     | W16          |
| T 17         | 7 42 53            | 26°12'43                     | 12 <b>₹</b> 4                   | 22°55                    | 0 <b>궁</b> 39           | 12°28                    | 29°30                              | 9°34                  | 15°10                   | 27° 6                    | 16° 0                    | 0°26                   | 28°59                   | 16°57                   | 0°24                     | T 17         |
| F 18<br>S 19 | 7 46 49<br>7 50 46 | 27°13'50<br>28°14'56         | 24°51<br>7 <b>る</b> 59          | 24°33<br>26°13           | 1°54<br>3° 8            | 12°24<br>12°20           | 29°43<br>29°55                     | 9°41<br>9°48          | 15°13<br>15°16          | 27° 5<br>27° 3           | 16° 0<br>15°59           | 0°23<br>0°17           | 28°56<br>28°53          | 17° 4<br>17°10          | 0°30<br>0°36             | F 18<br>S 19 |
| S 20         | 7 54 42            | 29°16'02                     | 21°30                           | 27°52                    | 4°23                    | 12°15                    | 8 වැ                               | 9°55                  | 15°19                   | 27° 2                    | 15°58                    | 0° 9                   | 28°50                   | 17°17                   | 0°42                     | S 20         |
| M21<br>T 22  | 7 58 39<br>8 2 35  | 0 <b>≈</b> 17'07<br>1°18'11  | 5 <b>≈</b> 21<br>19°28          | 29°33<br>1 <b>≈</b> 14   | 5°38<br>6°53            | 12°10<br>12° 3           | 0°21<br>0°34                       | 10° 2<br>10° 9        | 15°22<br>15°24          | 27° 1<br>26°59           | 15°57<br>15°56           | 29M59<br>29°49         | 28°46<br>28°43          | 17°24<br>17°30          | 0°48<br>0°54             | M21<br>T 22  |
| W23          | 8 6 32             | 2°19'15                      | 3 <del>)(</del> 47              | 2°55                     | 8° 8                    | 11°56                    | 0°47                               | 10°15                 | 15°27                   | 26°58                    | 15°56                    | 29°39                  | 28°40                   | 17°37                   | 1° 0                     | W23          |
| T 24         | 8 10 29            | 3°20'17                      | 18°10                           | 4°37                     | 9°22                    | 11°48                    | 0°59                               | 10°22                 | 15°30                   | 26°57                    | 15°55                    | 29°30                  | 28°37                   | 17°44                   | 1° 6                     | T 24         |
| F 25<br>S 26 | 8 14 25<br>8 18 22 | 4°21'19<br>5°22'19           | 2 <b>Υ</b> 33<br>16°51          | 6°20<br>8° 3             | 10°37<br>11°52          | 11°39<br>11°29           | 1°12<br>1°24                       | 10°29<br>10°35        | 15°33<br>15°35          | 26°55<br>26°54           | 15°54<br>15°53           | 29°24<br>29°20         | 28°34<br>28°31          | 17°50<br>17°57          | 1°12<br>1°18             | F 25<br>S 26 |
| S 27         | 8 22 18            | 6°23'18                      | 18 1                            | 9°47                     | 13° 7                   | 11°19                    | 1°37                               | 10°42                 | 15°38                   | 26°53                    | 15°53                    | 29°D18                 | 28°27                   | 18° 4                   | 1°23                     | S 27         |
| M28          | 8 26 15            | 7°24'16                      | 15° 3                           | 11°31                    | 14°22                   | 11° 8                    | 1°49                               | 10°49                 | 15°41                   | 26°52                    | 15°52                    | 29°18                  | 28°24                   | 18°10                   | 1°29                     | M28          |
| T 29<br>W30  | 8 30 11<br>8 34 8  | 8°25'13<br>9°26'08           | 28°54<br>12 <b>Ⅲ</b> 37         | 13°16<br>15° 2           | 15°36<br>16°51          | 10°55<br>10°43           | 2° 1<br>2°14                       | 10°55<br>11° 2        | 15°43<br>15°46          | 26°50<br>26°49           | 15°51<br>15°51           | 29°R19<br>29°18        | 28°21<br>28°18          | 18°17<br>18°24          | 1°35<br>1°40             | T 29<br>W30  |
| T 31         | 8 38 4             | 10 <b>≈</b> 27'03            | 26 <b>I</b> I10                 | 15 2<br>16 <b>≈</b> 47   | 18 <b>ප</b> 6           | 10 43<br>10 <b>m</b> 29  | 2 <del>2</del> 14<br>2 <b>ට</b> 26 | 11 2<br>8 <b>ව</b> 11 | 15 <b>4</b> 0           | 26 <b>I</b> 48           | 15 <b>I</b> I50          | 29 N 15                | 28 m 15                 | 18 <b>Ω</b> 30          | 1 40<br>1 <b>පි</b> 46   | T 31         |

Delta T = -0.76 sec

FEBRUARY 1901 00:00 UT

| Day  | Sid.t    | 0                | 7)             | φ              | ·              | ð             | 4             | ħ              | ⊮              | ¥               | 2              | ß              | Ω     | ţ              | δ             | Day  |
|------|----------|------------------|----------------|----------------|----------------|---------------|---------------|----------------|----------------|-----------------|----------------|----------------|-------|----------------|---------------|------|
| F 1  | 8 42 1   | 11≈27'56         | 9934           | 18≈34          | 19 <b>궁</b> 21 | 10°R15        | 2 <b>る</b> 38 | 11 <b>궁</b> 15 | 15 <b>₹</b> 51 | 26°R47          | 15°R50         | 29°R10         | 28M11 | 18 <b>≏</b> 37 | 1 <b>る</b> 51 | F 1  |
| S 2  | 8 45 58  | 12°28'47         | 22°48          | 20°20          | 20°36          | 10 Mg 0       | 2°50          | 11°21          | 15°53          | 26 <b>II</b> 46 | 15 <b>Ⅱ</b> 49 | 29 <b>M</b> 1  | 28° 8 | 18°44          | 1°57          | S 2  |
| S 3  | 8 49 54  | 13°29'38         | 5 <b>Ω</b> 50  | 22° 7          | 21°50          | 9°44          | 3° 2          | 11°28          | 15°56          | 26°45           | 15°48          | 28°50          | 28° 5 | 18°51          | 2° 2          | S 3  |
| M 4  | 8 53 51  | 14°30'27         | 18°40          | 23°54          | 23° 5          | 9°28          | 3°14          | 11°34          | 15°58          | 26°44           | 15°48          | 28°37          | 28° 2 | 18°57          | 2° 7          | M 4  |
| T 5  | 8 57 47  | 15°31'15         | 1 mp 17        | 25°41          | 24°20          | 9°11          | 3°26          | 11°40          | 16° 0          | 26°43           | 15°47          | 28°23          | 27°59 | 19° 4          | 2°13          | T 5  |
| W 6  | 9 1 44   | 16°32'02         | 13°40          | 27°27          | 25°35          | 8°53          | 3°38          | 11°46          | 16° 3          | 26°42           | 15°47          | 28°10          | 27°56 | 19°11          | 2°18          | W 6  |
| T 7  | 9 5 40   | 17°32'48         | 25°50          | 29°13          | 26°50          | 8°34          | 3°50          | 11°53          | 16° 5          | 26°41           | 15°46          | 27°58          | 27°52 | 19°17          | 2°23          | T 7  |
| F 8  | 9 9 3 7  | 18°33'32         | 7 <b>≙</b> 50  | 0 <b>∺</b> 59  | 28° 4          | 8°15          | 4° 1          | 11°59          | 16° 7          | 26°40           | 15°46          | 27°49          | 27°49 | 19°24          | 2°28          | F 8  |
| S 9  | 9 13 33  | 19°34'16         | 19°42          | 2°44           | 29°19          | 7°56          | 4°13          | 12° 5          | 16° 9          | 26°39           | 15°45          | 27°43          | 27°46 | 19°31          | 2°33          | S 9  |
| S 10 | 9 17 30  | 20°34'58         | 1 <b>M</b> .30 | 4°27           | 0≈34           | 7°36          | 4°24          | 12°11          | 16°11          | 26°38           | 15°45          | 27°40          | 27°43 | 19°37          | 2°38          | S 10 |
| M11  | 9 21 27  | 21°35'40         | 13°20          | 6° 9           | 1°49           | 7°15          | 4°36          | 12°17          | 16°13          | 26°37           | 15°45          | 27°39          | 27°40 | 19°44          | 2°43          | M11  |
| T 12 | 9 25 23  | 22°36'20         | 25°16          | 7°48           | 3° 4           | 6°54          | 4°47          | 12°23          | 16°15          | 26°36           | 15°44          | 27°38          | 27°37 | 19°51          | 2°48          | T 12 |
| W13  | 9 29 20  | 23°36'59         | 7 <b>.</b> ₹24 | 9°25           | 4°18           | 6°32          | 4°58          | 12°29          | 16°17          | 26°36           | 15°44          | 27°38          | 27°33 | 19°57          | 2°53          | W13  |
| T 14 | 9 33 16  | 24°37'37         | 19°49          | 10°59          | 5°33           | 6°10          | 5° 9          | 12°35          | 16°19          | 26°35           | 15°44          | 27°37          | 27°30 | 20° 4          | 2°58          | T 14 |
| F 15 | 9 37 13  | 25°38'14         | 2 <b>る</b> 37  | 12°30          | 6°48           | 5°48          | 5°21          | 12°41          | 16°21          | 26°34           | 15°43          | 27°33          | 27°27 | 20°11          | 3° 3          | F 15 |
| S 16 | 9 41 9   | 26°38'50         | 15°50          | 13°56          | 8° 3           | 5°25          | 5°31          | 12°46          | 16°23          | 26°33           | 15°43          | 27°27          | 27°24 | 20°17          | 3° 7          | S 16 |
| S 17 | 9 45 6   | 27°39'24         | 29°31          | 15°18          | 9°18           | 5° 2          | 5°42          | 12°52          | 16°25          | 26°33           | 15°43          | 27°18          | 27°21 | 20°24          | 3°12          | S 17 |
| M18  | 9 49 2   | 28°39'57         | 13 <b>≈</b> 38 | 16°33          | 10°32          | 4°39          | 5°53          | 12°58          | 16°26          | 26°32           | 15°42          | 27° 7          | 27°17 | 20°31          | 3°16          | M18  |
| T 19 | 9 52 59  | 29°40'28         | 28° 7          | 17°43          | 11°47          | 4°15          | 6° 4          | 13° 3          | 16°28          | 26°32           | 15°42          | 26°55          | 27°14 | 20°37          | 3°21          | T 19 |
| W20  | 9 56 56  | 0 <b>)</b> 40′58 | 12 <b>)</b> 51 | 18°46          | 13° 2          | 3°51          | 6°15          | 13° 9          | 16°30          | 26°31           | 15°42          | 26°43          | 27°11 | 20°44          | 3°25          | W20  |
| T 21 | 10 0 52  | 1°41'26          | 27°41          | 19°41          | 14°17          | 3°27          | 6°25          | 13°14          | 16°31          | 26°31           | 15°42          | 26°32          | 27° 8 | 20°51          | 3°30          | T 21 |
| F 22 | 10 4 49  | 2°41'52          | 12 <b>Υ</b> 30 | 20°28          | 15°32          | 3° 4          | 6°35          | 13°20          | 16°33          | 26°30           | 15°42          | 26°24          | 27° 5 | 20°57          | 3°34          | F 22 |
| S 23 | 10 8 45  | 3°42'16          | 27°10          | 21° 6          | 16°46          | 2°40          | 6°46          | 13°25          | 16°34          | 26°30           | 15°41          | 26°19          | 27° 2 | 21° 4          | 3°38          | S 23 |
| S 24 | 10 12 42 | 4°42'39          | 11835          | 21°35          | 18° 1          | 2°16          | 6°56          | 13°31          | 16°35          | 26°29           | 15°41          | 26°17          | 26°58 | 21°11          | 3°42          | S 24 |
| M25  | 10 16 38 | 5°42'59          | 25°44          | 21°55          | 19°16          | 1°52          | 7° 6          | 13°36          | 16°37          | 26°29           | 15°41          | 26°D16         | 26°55 | 21°17          | 3°46          | M25  |
| T 26 | 10 20 35 | 6°43'18          | 9 <b>Ⅱ</b> 34  | 22° 5          | 20°31          | 1°28          | 7°16          | 13°41          | 16°38          | 26°28           | 15°41          | 26°R16         | 26°52 | 21°24          | 3°50          | T 26 |
| W27  | 10 24 31 | 7°43'34          | 23° 8          | 22°R 5         | 21°45          | 1° 5          | 7°26          | 13°46          | 16°39          | 26°28           | 15°41          | 26°16          | 26°49 | 21°31          | 3°54          | W27  |
| T 28 | 10 28 28 | 8 <b>)</b> 43'49 | 69926          | 21 <b>米</b> 55 | 23≈ 0          | 0 <b>m</b> 42 | 7 <b>궁</b> 36 | 13 <b>る</b> 51 | 16 <b>√</b> 41 | 26耳28           | 15 <b>Ⅱ</b> 41 | 26 <b>M</b> 13 | 26M46 | 21 <b>≏</b> 37 | 3 <b>る</b> 58 | T 28 |

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| Day         | Sid.t                | 0                    | D                       | ğ              | Q              | ♂              | 4              | ħ               | )∤(             | ¥               | В              | n               | Ω              | ţ              | o<br>k        | Day         |
|-------------|----------------------|----------------------|-------------------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------|----------------|---------------|-------------|
| F 1         | 10 32 25             | 9 <b>) (</b> 44'01   | 19931                   | 21°R36         | 24≈15          | 0°R18          | 7 <b>궁</b> 45  | 13 <b>る</b> 56  | 16 <b>×7</b> 42 | 26°R27          | 15°D41         | 26°R 8          | 26M43          | 21 <b>≏</b> 44 | 4궁 2          | F 1         |
| S 2         | 10 36 21             | 10°44'11             | 2 <b>Ω</b> 24           | 21 <b>米</b> 9  | 25°30          | 29 <b>Ω</b> 56 | 7°55           | 14° 1           | 16°43           | 26Ⅱ27           | 15 <b>Ⅱ</b> 41 | 25 <b>M</b> 59  | 26°39          | 21°51          | 4° 6          | S 2         |
| S 3         | 10 40 18             | 11°44'20             | 15° 6                   | 20°33          | 26°44          | 29°33          | 8° 4           | 14° 6           | 16°44           | 26°27           | 15°41          | 25°48           | 26°36          | 21°57          | 4° 9          | S 3         |
| M 4         | 10 44 14             | 12°44'26             | 27°37                   | 19°50          | 27°59          | 29°11          | 8°14           | 14°11           | 16°45           | 26°27           | 15°41          | 25°36           | 26°33          | 22° 4          | 4°13          | M 4         |
| T 5         | 10 48 11             | 13°44'30             | 9 <b>m</b> 58           | 19° 1          | 29°14          | 28°50          | 8°23           | 14°15           | 16°46           | 26°27           | 15°41          | 25°22           | 26°30          | 22°11          | 4°16          | T 5         |
| W 6         | 10 52 7              | 14°44'33             | 22° 9                   | 18° 7          | 0 <b>¥</b> 28  | 28°28          | 8°32           | 14°20           | 16°47           | 26°27           | 15°41          | 25° 9           | 26°27          | 22°17          | 4°20          | W 6         |
| T 7         | 10 56 4              | 15°44'33             | 4 <b>Ω</b> 12           | 17°10<br>16°10 | 1°43           | 28° 8          | 8°41           | 14°25           | 16°48<br>16°48  | 26°27           | 15°42          | 24°58           | 26°23          | 22°24<br>22°31 | 4°23<br>4°26  | T 7<br>F 8  |
| F 8<br>S 9  | 11 0 0<br>11 3 57    | 16°44'32<br>17°44'29 | 16° 7<br>27°56          | 15°10          | 2°58<br>4°12   | 27°47<br>27°28 | 8°50<br>8°59   | 14°29<br>14°33  | 16°48<br>16°49  | 26°D27<br>26°27 | 15°42<br>15°42 | 24°49<br>24°43  | 26°20<br>26°17 | 22°31<br>22°37 | 4°26<br>4°30  | F 8<br>S 9  |
|             |                      |                      |                         |                |                |                |                |                 |                 |                 |                | _               |                |                |               |             |
| S 10        | 11 7 54              | 18°44'24             | 9 <b>M</b> .44          | 14°11          | 5°27           | 27° 9          | 9° 7           | 14°38           | 16°50           | 26°27           | 15°42          | 24°40           | 26°14          | 22°44          | 4°33          | S 10        |
| M11         | 11 11 50             | 19°44'18             | 21°33                   | 13°13          | 6°42           | 26°50          | 9°16           | 14°42           | 16°51           | 26°27           | 15°42          | 24°D38          | 26°11          | 22°51          | 4°36          | M11         |
| T 12<br>W13 | 11 15 47<br>11 19 43 | 20°44'10<br>21°44'00 | 3 <b>∡</b> 728<br>15°34 | 12°19<br>11°28 | 7°56<br>9°11   | 26°32<br>26°15 | 9°24<br>9°32   | 14°46<br>14°50  | 16°51<br>16°52  | 26°27<br>26°27  | 15°42<br>15°43 | 24°39<br>24°39  | 26° 8<br>26° 4 | 22°57<br>23° 4 | 4°39<br>4°41  | T 12<br>W13 |
| T 14        | 11 19 43             | 21°44'00<br>22°43'49 | 27°56                   | 10°42          | 10°26          | 25°58          | 9°32<br>9°40   | 14°54           | 16°52           | 26°27           | 15°43          | 24°39<br>24°R39 | 26° 4          | 23°11          | 4°41<br>4°44  | T 14        |
| F 15        | 11 23 40             | 23°43'35             | 10 <b>3</b> 40          | 10°42          | 10°20          | 25°42          | 9°48           | 14°58           | 16°53           | 26°27           | 15°43          | 24°38           | 25°58          | 23°17          | 4°47          | F 15        |
| S 16        | 11 31 33             | 24°43'21             | 23°50                   | 9°27           | 12°55          | 25°27          | 9°56           | 15° 2           | 16°53           | 26°28           | 15°44          | 24°34           | 25°55          | 23°24          | 4°50          | S 16        |
| S 17        | 11 35 29             | 25°43'04             | 7 <b>≈</b> 29           | 8°59           | 14°10          | 25°13          | 10° 4          | 15° 6           |                 | 26°28           | 15°44          | 24°28           | 25°52          | 23°31          | 4°52          | S 17        |
| M18         | 11 35 29             | 25°43'04<br>26°42'46 | /≈29<br>21°38           | 8°39<br>8°37   | 14°10<br>15°24 | 25°13<br>24°59 | 10° 4          | 15° 6<br>15°10  | 16°53<br>16°54  | 26°28           | 15°44<br>15°44 | 24°28<br>24°20  | 25°52<br>25°48 | 23°31<br>23°37 | 4°52<br>4°55  | M18         |
| T 19        | 11 43 22             | 20°42'40<br>27°42'25 | 6 <del>)(</del> 12      | 8°21           | 16°39          | 24°46          | 10°11          | 15°13           | 16°54           | 26°29           | 15°45          | 24°11           | 25°45          | 23°44          | 4°57          | T 19        |
| W20         | 11 47 19             | 28°42'03             | 21° 8                   | 8°11           | 17°53          | 24°34          | 10°26          | 15°17           | 16°54           | 26°29           | 15°45          | 24° 2           | 25°42          | 23°51          | 4°59          | W20         |
| T 21        | 11 51 16             | 29°41'39             | 6 <b>Υ</b> 15           | 8°D 8          | 19° 8          | 24°22          | 10°33          | 15°20           | 16°54           | 26°29           | 15°46          | 23°55           | 25°39          | 23°57          | 5° 1          | T 21        |
| F 22        | 11 55 12             | 0 <b>Υ</b> 41'13     | 21°24                   | 8°10           | 20°22          | 24°11          | 10°40          | 15°24           | 16°R54          | 26°30           | 15°46          | 23°49           | 25°36          | 24° 4          | 5° 3          | F 22        |
| S 23        | 11 59 9              | 1°40'44              | 6 <b>8</b> 26           | 8°18           | 21°37          | 24° 1          | 10°47          | 15°27           | 16°54           | 26°30           | 15°47          | 23°45           | 25°33          | 24°11          | 5° 6          | S 23        |
| S 24        | 12 3 5               | 2°40'14              | 21°11                   | 8°31           | 22°52          | 23°52          | 10°54          | 15°30           | 16°54           | 26°31           | 15°47          | 23°D44          | 25°29          | 24°17          | 5° 7          | S 24        |
| M25         | 12 7 2               | 3°39'41              | 5 <b>Ⅱ</b> 35           | 8°50           | 24° 6          | 23°44          | 11° 0          | 15°33           | 16°54           | 26°31           | 15°48          | 23°44           | 25°26          | 24°24          | 5° 9          | M25         |
| T 26        | 12 10 58             | 4°39'06              | 19°36                   | 9°13           | 25°21          | 23°36          | 11° 7          | 15°36           | 16°54           | 26°32           | 15°48          | 23°46           | 25°23          | 24°31          | 5°11          | T 26        |
| W27         | 12 14 55             | 5°38'29              | 39514                   | 9°42           | 26°35          | 23°30          | 11°13          | 15°39           | 16°54           | 26°33           | 15°49          | 23°R46          | 25°20          | 24°37          | 5°13          | W27         |
| T 28        | 12 18 51             | 6°37'49              | 16°31                   | 10°14          | 27°50          | 23°24          | 11°19          | 15°42           | 16°53           | 26°33           | 15°49          | 23°46           | 25°17          | 24°44          | 5°14          | T 28        |
| F 29        | 12 22 48             | 7°37'07              | 29°28                   | 10°51          | 29° 4          | 23°19          | 11°25          | 15°45           | 16°53           | 26°34           | 15°50          | 23°43           | 25°14          | 24°51          | 5°16          | F 29        |
| S 30        | 12 26 45             | 8°36'22              | 12 <b>N</b> 9           | 11°32          | 0 <b>Υ</b> 18  | 23°14          | 11°31          | 15°47           | 16°53           | 26°35           | 15°50          | 23°39           | 25°10          | 24°57          | 5°17          | S 30        |
| S 31        | 12 30 41             | 9 <b>Y</b> 35'35     | 24 <b>Ω</b> 37          | 12 <b>∺</b> 16 | 1 <b>Y</b> 33  | 23 <b>Q</b> 11 | 11 <b>궁</b> 36 | 15 <b>පි</b> 50 | 16 <b>×</b> 752 | 26Ⅲ35           | 15 <b>Ⅱ</b> 51 | 23M33           | 25 <b>M</b> 7  | 25 <b>♀</b> 4  | 5 <b>ਰ</b> 18 | S 31        |

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| Day         | Sid.t                | 0                    | D                       | ğ              | φ                    | ♂               | 4              | ħ               | <b>)</b> f     | ¥               | Р               | r              | Ω              | Ç              | ×0            | Day         |
|-------------|----------------------|----------------------|-------------------------|----------------|----------------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|----------------|----------------|----------------|---------------|-------------|
| M 1         | 12 34 38             | 10 <b>Υ</b> 34'46    | 6 <b>m</b> 53           | 13 <b>∺</b> 4  | 2 <b>Ƴ</b> 47        | 23°R 8          | 11 <b>る</b> 42 | 15 <b>る</b> 53  | 16°R52         | 26 <b>II</b> 36 | 15 <b>Ⅱ</b> 52  | 23°R25         | 25 <b>M</b> 4  | 25 <b>≙</b> 11 | 5 <b>る</b> 20 | M 1         |
| T 2         | 12 38 34             | 11°33'55             | 19° 1                   | 13°55          | 4° 2                 | 23 <b>Ω</b> 6   | 11°47          | 15°55           | 16 <b>×</b> 51 | 26°37           | 15°52           | 23 <b>M</b> 17 | 25° 1          | 25°17          | 5°21          | T 2         |
| W 3         | 12 42 31             | 12°33'01             | 1₾ 1                    | 14°50          | 5°16                 | 23° 4           | 11°52          | 15°57           | 16°51          | 26°38           | 15°53           | 23°10          | 24°58          | 25°24          | 5°22          | W 3         |
| T 4<br>F 5  | 12 46 27<br>12 50 24 | 13°32'06<br>14°31'08 | 12°56<br>24°46          | 15°47<br>16°47 | 6°30<br>7°45         | 23°D 4<br>23° 4 | 11°57          | 15°59<br>16° 2  | 16°50<br>16°49 | 26°39<br>26°40  | 15°54<br>15°55  | 23° 3<br>22°58 | 24°54<br>24°51 | 25°31<br>25°37 | 5°23<br>5°24  | T 4<br>F 5  |
| S 6         | 12 50 24             | 14°31'08<br>15°30'09 | 6M35                    | 16°47<br>17°50 | 8°59                 | 23° 4<br>23° 5  | 12° 2<br>12° 6 | 16° 2           | 16°49          | 26°40<br>26°41  | 15°55           | 22°55          | 24°48          | 25°44          | 5°25          | S 6         |
|             |                      |                      |                         |                |                      |                 |                |                 |                | _               |                 |                |                | -              |               |             |
| S 7         | 12 58 17             | 16°29'07             | 18°23                   | 18°55          | 10°13                | 23° 6           | 12°11          | 16° 5           | 16°48          | 26°42           | 15°56           | 22°D53         | 24°45          | 25°51          | 5°25          | S 7         |
| M 8<br>T 9  | 13 2 14<br>13 6 10   | 17°28'04<br>18°26'59 | 0 <b>∡</b> 15<br>12°12  | 20° 3<br>21°13 | 11°28<br>12°42       | 23° 9<br>23°12  | 12°15<br>12°19 | 16° 7<br>16° 9  | 16°47<br>16°46 | 26°43<br>26°44  | 15°57<br>15°58  | 22°53<br>22°55 | 24°42<br>24°39 | 25°57<br>26° 4 | 5°26<br>5°26  | M 8<br>T 9  |
| W10         | 13 10 7              | 18°26'59<br>19°25'52 | 24°21                   | 21°13<br>22°26 | 12°42<br>13°56       | 23°12<br>23°15  | 12°19          | 16° 9           | 16°46          | 26°44<br>26°45  | 15°58           | 22°56          | 24°39<br>24°35 | 26° 4<br>26°11 | 5°27          | W10         |
| T 11        | 13 14 3              | 20°24'43             | 6 <del>3</del> 44       | 23°41          | 15°11                | 23°20           | 12°27          | 16°12           | 16°44          | 26°46           | 15°59           | 22°58          | 24°32          | 26°17          | 5°27          | T 11        |
| F 12        | 13 18 0              | 21°23'32             | 19°26                   | 24°57          | 16°25                | 23°25           | 12°30          | 16°14           | 16°43          | 26°47           | 16° 0           | 22°R59         | 24°29          | 26°24          | 5°27          | F 12        |
| S 13        | 13 21 56             | 22°22'20             | 2≈31                    | 26°16          | 17°39                | 23°31           | 12°34          | 16°15           | 16°42          | 26°48           | 16° 1           | 22°58          | 24°26          | 26°31          | 5°28          | S 13        |
| S 14        | 13 25 53             | 23°21'06             | 16° 3                   | 27°37          | 18°54                | 23°37           | 12°37          | 16°16           | 16°41          | 26°49           | 16° 2           | 22°56          | 24°23          | 26°37          | 5°R28         | S 14        |
| M15         | 13 29 49             | 24°19'51             | 0 <b>¥</b> 2            | 29° 0          | 20° 8                | 23°44           | 12°40          | 16°17           | 16°40          | 26°50           | 16° 3           | 22°53          | 24°19          | 26°44          | 5°28          | M15         |
| T 16        | 13 33 46             | 25°18'33             | 14°29                   | 0 <b>Υ</b> 24  | 21°22                | 23°52           | 12°43          | 16°18           | 16°39          | 26°52           | 16° 4           | 22°50          | 24°16          | 26°51          | 5°27          | T 16        |
| W17         | 13 37 43             | 26°17'14             | 29°19                   | 1°51           | 22°36                | 24° 0           | 12°45          | 16°19           | 16°38          | 26°53           | 16° 5           | 22°46          | 24°13          | 26°57          | 5°27          | W17         |
| T 18        | 13 41 39             | 27°15'53             | 14 <b>Y</b> 25          | 3°19           | 23°50                | 24° 9           | 12°48          | 16°20           | 16°36          | 26°54           | 16° 6           | 22°43          | 24°10          | 27° 4          | 5°27          | T 18        |
| F 19        | 13 45 36             | 28°14'30             | 29°39                   | 4°49           | 25° 5                | 24°18           | 12°50          | 16°21           | 16°35          | 26°55           | 16° 7           | 22°40          | 24° 7          | 27°11          | 5°27          | F 19        |
| S 20        | 13 49 32             | 29°13'06             | 14850                   | 6°21           | 26°19                | 24°28           | 12°52          | 16°22           | 16°34          | 26°57           | 16° 8           | 22°39          | 24° 4          | 27°17          | 5°26          | S 20        |
| S 21        | 13 53 29             | 0 <b>8</b> 11'39     | 29°49                   | 7°54           | 27°33                | 24°39           | 12°54          | 16°22           | 16°32          | 26°58           | 16° 9           | 22°D39         | 24° 0          | 27°24          | 5°26          | S 21        |
| M22         | 13 57 25             | 1°10'10              | 14∏28                   | 9°30           | 28°47                | 24°50           | 12°56          | 16°23           | 16°31          | 27° 0           | 16°10           | 22°40          | 23°57          | 27°31          | 5°25          | M22         |
| T 23<br>W24 | 14 1 22<br>14 5 18   | 2° 8'40<br>3° 7'07   | 28°43<br>12 <b>©</b> 32 | 11° 7<br>12°45 | 0 <b>8</b> 1<br>1°15 | 25° 2<br>25°14  | 12°58<br>12°59 | 16°23<br>16°23  | 16°29<br>16°28 | 27° 1<br>27° 2  | 16°11<br>16°12  | 22°41<br>22°42 | 23°54<br>23°51 | 27°37<br>27°44 | 5°24<br>5°23  | T 23<br>W24 |
| T 25        | 14 5 18              | 4° 5'32              | 25°55                   | 12°45<br>14°26 | 2°30                 | 25°14<br>25°27  | 12°39<br>13° 0 | 16°23           | 16°28          | 27° 2           | 16°12           | 22°42<br>22°43 | 23°48          | 27°44<br>27°51 | 5°23          | T 25        |
| F 26        | 14 13 12             | 5° 3'54              | 8Ω54                    | 14 20<br>16° 8 | 3°44                 | 25°40           | 13° 1          | 16°R24          | 16°25          | 27° 5           | 16°14           | 22°R43         | 23°45          | 27°57          | 5°22          | F 26        |
| S 27        | 14 17 8              | 6° 2'15              | 21°33                   | 17°52          | 4°58                 | 25°54           | 13° 2          | 16°24           | 16°23          | 27° 7           | 16°15           | 22°43          | 23°41          | 28° 4          | 5°21          | S 27        |
| S 28        | 14 21 5              | 7° 0'34              | 3 m 56                  | 19°38          | 6°12                 | 26° 8           | 13° 3          | 16°23           | 16°21          | 27° 9           | 16°16           | 22°41          | 23°38          | 28°11          | 5°19          | S 28        |
| M29         | 14 25 1              | 7°58'50              | 16° 5                   | 21°25          | 7°26                 | 26°23           | 13° 3          | 16°23           | 16°19          | 27°10           | 16°17           | 22°40          | 23°35          | 28°17          | 5°18          | M29         |
| T 30        | 14 28 58             | 8857'04              | 28 mg 4                 | 23Υ14          | 8840                 | 26€38           | 13 පි 3        | 16 <b>පි</b> 23 | 16 <b>×</b> 18 | 27 <b>I</b> 12  | 16 <b>I</b> I18 | 22 <b>M</b> 37 | 23M32          | 28 <b>≏</b> 24 | 5 <b>ਰ</b> 17 | T 30        |

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|------|----------|------------------|----------------|---------------|---------------|----------------|----------------|-----------------|----------------|----------------|-------|----------------|----------------|----------------|---------------|------|
| W 1  | 14 32 54 | 9 <b>8</b> 55'17 | 9 <b>≙</b> 57  | 25 <b>Y</b> 5 | 9 <b>8</b> 54 | 26€54          | 13°R 4         | 16°R22          | 16°R16         | 27 <b>I</b> I3 | 16∏19 | 22°R35         | 23M29          | 28 <b>≏</b> 30 | 5°R15         | W 1  |
| T 2  | 14 36 51 | 10°53'27         | 21°46          | 26°58         | 11°8          | 27°10          | 13る3           | 16 <b>පි</b> 22 | 16 <b>×</b> 14 | 27°15          | 16°21 | 22M34          | 23°25          | 28°37          | 5 <b>궁</b> 14 | T 2  |
| F 3  | 14 40 47 | 11°51'36         | 3 <b>M</b> .35 | 28°53         | 12°22         | 27°27          | 13° 3          | 16°21           | 16°12          | 27°17          | 16°22 | 22°33          | 23°22          | 28°44          | 5°12          | F 3  |
| S 4  | 14 44 44 | 12°49'43         | 15°24          | 0 <b>8</b> 49 | 13°36         | 27°44          | 13° 3          | 16°21           | 16°10          | 27°18          | 16°23 | 22°32          | 23°19          | 28°50          | 5°11          | S 4  |
| S 5  | 14 48 40 | 13°47'49         | 27°17          | 2°47          | 14°50         | 28° 1          | 13° 2          | 16°20           | 16° 8          | 27°20          | 16°24 | 22°D32         | 23°16          | 28°57          | 5° 9          | S 5  |
| M 6  | 14 52 37 | 14°45'53         | 9 <b>.7</b> 16 | 4°47          | 16° 4         | 28°19          | 13° 1          | 16°19           | 16° 6          | 27°22          | 16°25 | 22°32          | 23°13          | 29° 4          | 5° 7          | M 6  |
| T 7  | 14 56 34 | 15°43'55         | 21°22          | 6°48          | 17°18         | 28°38          | 13° 0          | 16°18           | 16° 4          | 27°24          | 16°27 | 22°33          | 23°10          | 29°10          | 5° 5          | T 7  |
| W 8  | 15 0 30  | 16°41'56         | 3 <b>る</b> 39  | 8°51          | 18°32         | 28°56          | 12°59          | 16°17           | 16° 2          | 27°25          | 16°28 | 22°34          | 23° 6          | 29°17          | 5° 3          | W 8  |
| T 9  | 15 4 27  | 17°39'55         | 16°10          | 10°55         | 19°46         | 29°16          | 12°57          | 16°16           | 16° 0          | 27°27          | 16°29 | 22°34          | 23° 3          | 29°24          | 5° 1          | T 9  |
| F 10 | 15 8 23  | 18°37'53         | 28°56          | 13° 1         | 21° 0         | 29°35          | 12°56          | 16°14           | 15°58          | 27°29          | 16°30 | 22°35          | 23° 0          | 29°30          | 4°59          | F 10 |
| S 11 | 15 12 20 | 19°35'50         | 12 <b>≈</b> 2  | 15° 9         | 22°13         | 29°55          | 12°54          | 16°13           | 15°56          | 27°31          | 16°32 | 22°35          | 22°57          | 29°37          | 4°57          | S 11 |
| S 12 | 15 16 16 | 20°33'45         | 25°29          | 17°17         | 23°27         | 0 <b>m</b> )15 | 12°52          | 16°12           | 15°54          | 27°33          | 16°33 | 22°R35         | 22°54          | 29°44          | 4°55          | S 12 |
| M13  | 15 20 13 | 21°31'39         | 9 <b>)</b> 19  | 19°26         | 24°41         | 0°36           | 12°50          | 16°10           | 15°52          | 27°34          | 16°34 | 22°35          | 22°51          | 29°50          | 4°53          | M13  |
| T 14 | 15 24 9  | 22°29'32         | 23°32          | 21°37         | 25°55         | 0°57           | 12°47          | 16° 8           | 15°50          | 27°36          | 16°35 | 22°D35         | 22°47          | 29°57          | 4°50          | T 14 |
| W15  | 15 28 6  | 23°27'24         | 8 <b>Y</b> 6   | 23°48         | 27° 9         | 1°18           | 12°45          | 16° 7           | 15°48          | 27°38          | 16°37 | 22°35          | 22°44          | OM 4           | 4°48          | W15  |
| T 16 | 15 32 3  | 24°25'15         | 22°57          | 25°59         | 28°23         | 1°40           | 12°42          | 16° 5           | 15°45          | 27°40          | 16°38 | 22°35          | 22°41          | 0°10           | 4°45          | T 16 |
| F 17 | 15 35 59 | 25°23'04         | 7 <b>8</b> 59  | 28°10         | 29°37         | 2° 2           | 12°39          | 16° 3           | 15°43          | 27°42          | 16°39 | 22°35          | 22°38          | 0°17           | 4°43          | F 17 |
| S 18 | 15 39 56 | 26°20'52         | 23° 3          | 0Д21          | 0 <b>耳</b> 51 | 2°24           | 12°36          | 16° 1           | 15°41          | 27°44          | 16°41 | 22°R35         | 22°35          | 0°24           | 4°40          | S 18 |
| S 19 | 15 43 52 | 27°18'39         | 8 <b>I</b> 1   | 2°32          | 2° 4          | 2°47           | 12°33          | 15°59           | 15°39          | 27°46          | 16°42 | 22°35          | 22°31          | 0°30           | 4°37          | S 19 |
| M20  | 15 47 49 | 28°16'24         | 22°44          | 4°42          | 3°18          | 3°10           | 12°29          | 15°57           | 15°36          | 27°48          | 16°43 | 22°35          | 22°28          | 0°37           | 4°35          | M20  |
| T 21 | 15 51 45 | 29°14'08         | 7 <b>95</b> 6  | 6°50          | 4°32          | 3°33           | 12°26          | 15°54           | 15°34          | 27°50          | 16°45 | 22°34          | 22°25          | 0°44           | 4°32          | T 21 |
| W22  | 15 55 42 | 0耳11′50          | 21° 4          | 8°58          | 5°46          | 3°57           | 12°22          | 15°52           | 15°32          | 27°52          | 16°46 | 22°33          | 22°22          | 0°50           | 4°29          | W22  |
| T 23 | 15 59 38 | 1° 9'31          | 4 <b>Ω</b> 35  | 11° 4         | 7° 0          | 4°21           | 12°18          | 15°50           | 15°29          | 27°54          | 16°47 | 22°32          | 22°19          | 0°57           | 4°26          | T 23 |
| F 24 | 16 3 35  | 2° 7'10          | 17°40          | 13° 8         | 8°13          | 4°45           | 12°14          | 15°47           | 15°27          | 27°56          | 16°49 | 22°32          | 22°16          | 1° 4           | 4°23          | F 24 |
| S 25 | 16 7 32  | 3° 4'47          | 0 <b>m</b> 22  | 15°10         | 9°27          | 5° 9           | 12°10          | 15°45           | 15°24          | 27°58          | 16°50 | 22°D31         | 22°12          | 1°10           | 4°20          | S 25 |
| S 26 | 16 11 28 | 4° 2'24          | 12°44          | 17°10         | 10°41         | 5°34           | 12° 5          | 15°42           | 15°22          | 28° 0          | 16°51 | 22°31          | 22° 9          | 1°17           | 4°17          | S 26 |
| M27  | 16 15 25 | 4°59'58          | 24°51          | 19° 8         | 11°55         | 5°59           | 12° 1          | 15°39           | 15°20          | 28° 2          | 16°53 | 22°32          | 22° 6          | 1°24           | 4°14          | M27  |
| T 28 | 16 19 21 | 5°57'31          | 6 <b>≏</b> 48  | 21° 4         | 13° 8         | 6°24           | 11°56          | 15°36           | 15°17          | 28° 4          | 16°54 | 22°33          | 22° 3          | 1°30           | 4°10          | T 28 |
| W29  | 16 23 18 | 6°55'03          | 18°38          | 22°57         | 14°22         | 6°50           | 11°51          | 15°33           | 15°15          | 28° 7          | 16°55 | 22°34          | 22° 0          | 1°37           | 4° 7          | W29  |
| T 30 | 16 27 14 | 7°52'34          | 0 <b>M</b> 26  | 24°47         | 15°36         | 7°16           | 1 <u>1</u> °46 | 1 <u>5</u> °30  | 15°12          | 28° 9          | 16°57 | 22°36          | 21°57          | 1°44           | <u>4°</u> 4   | T 30 |
| F 31 | 16 31 11 | 8 <b>Ⅱ</b> 50′03 | 12 <b>M</b> 15 | 26耳35         | 16耳50         | 7 <b>M</b> 42  | 11 <b>る</b> 41 | 15 <b>る</b> 27  | 15 <b>₹</b> 10 | 28 <b>I</b> I1 | 16耳58 | 22 <b>M</b> 37 | 21 <b>M</b> 53 | 1 <b>M</b> .50 | 4ਰ 1          | F 31 |

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|------|----------|------------------|-----------------|--------|-------|----------------|----------------|----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|---------------|------|
| S 1  | 16 35 7  | 9 <b>Ⅱ</b> 47'31 | 24M 9           | 28∏20  | 18耳 3 | 8 My 8         | 11°R35         | 15°R24         | 15°R 7          | 28 <b>I</b> I13 | 17 <b>I</b> 0  | 22°R37         | 21 <b>M</b> 50 | 1 <b>M</b> 57  | 3°R57         | S 1  |
| S 2  | 16 39 4  | 10°44'59         | 6 <b>₹</b> 9    | 0ණ 2   | 19°17 | 8°35           | 11 <b>궁</b> 30 | 15 <b>る</b> 21 | 15 <b>×</b> 7 5 | 28°15           | 17° 1          | 22M36          | 21°47          | 2° 3           | 3 <b>⋜</b> 54 | S 2  |
| M 3  | 16 43 1  | 11°42'25         | 18°19           | 1°41   | 20°31 | 9° 2           | 11°24          | 15°18          | 15° 3           | 28°17           | 17° 2          | 22°35          | 21°44          | 2°10           | 3°50          | M 3  |
| T 4  | 16 46 57 | 12°39'50         | 0중40            | 3°18   | 21°44 | 9°29           | 11°19          | 15°15          | 15° 0           | 28°19           | 17° 4          | 22°32          | 21°41          | 2°17           | 3°47          | T 4  |
| W 5  | 16 50 54 | 13°37'15         | 13°12           | 4°52   | 22°58 | 9°56           | 11°13          | 15°11          | 14°58           | 28°22           | 17° 5          | 22°30          | 21°37          | 2°23           | 3°43          | W 5  |
| T 6  | 16 54 50 | 14°34'38         | 25°58           | 6°22   | 24°11 | 10°23          | 11° 7          | 15° 8          | 14°55           | 28°24           | 17° 7          | 22°26          | 21°34          | 2°30           | 3°40          | T 6  |
| F 7  | 16 58 47 | 15°32'01         | 8≈58            | 7°50   | 25°25 | 10°51          | 11° 1          | 15° 4          | 14°53           | 28°26           | 17° 8          | 22°23          | 21°31          | 2°37           | 3°36          | F 7  |
| S 8  | 17 2 43  | 16°29'23         | 22°12           | 9°15   | 26°39 | 11°19          | 10°54          | 15° 1          | 14°50           | 28°28           | 17° 9          | 22°21          | 21°28          | 2°43           | 3°32          | S 8  |
| S 9  | 17 6 40  | 17°26'45         | 5 <b>)</b> €42  | 10°38  | 27°52 | 11°47          | 10°48          | 14°57          | 14°48           | 28°30           | 17°11          | 22°19          | 21°25          | 2°50           | 3°29          | S 9  |
| M10  | 17 10 36 | 18°24'06         | 19°29           | 11°57  | 29° 6 | 12°16          | 10°41          | 14°54          | 14°45           | 28°33           | 17°12          | 22°D19         | 21°22          | 2°57           | 3°25          | M10  |
| T 11 | 17 14 33 | 19°21'27         | 3 <b>Υ</b> 31   | 13°13  | 0ණ20  | 12°44          | 10°35          | 14°50          | 14°43           | 28°35           | 17°13          | 22°19          | 21°18          | 3° 3           | 3°21          | T 11 |
| W12  | 17 18 30 | 20°18'47         | 17°49           | 14°26  | 1°33  | 13°13          | 10°28          | 14°46          | 14°40           | 28°37           | 17°15          | 22°20          | 21°15          | 3°10           | 3°17          | W12  |
| T 13 | 17 22 26 | 21°16'07         | 2820            | 15°36  | 2°47  | 13°42          | 10°21          | 14°42          | 14°38           | 28°39           | 17°16          | 22°22          | 21°12          | 3°17           | 3°13          | T 13 |
| F 14 | 17 26 23 | 22°13'27         | 17° 0           | 16°42  | 4° 0  | 14°11          | 10°15          | 14°38          | 14°35           | 28°41           | 17°18          | 22°R23         | 21° 9          | 3°23           | 3°10          | F 14 |
| S 15 | 17 30 19 | 23°10'46         | 1 <b>Ⅱ</b> 44   | 17°46  | 5°14  | 14°40          | 10° 8          | 14°34          | 14°33           | 28°44           | 17°19          | 22°22          | 21° 6          | 3°30           | 3° 6          | S 15 |
| S 16 | 17 34 16 | 24° 8'05         | 16°26           | 18°46  | 6°28  | 15°10          | 10° 1          | 14°30          | 14°31           | 28°46           | 17°20          | 22°21          | 21° 2          | 3°37           | 3° 2          | S 16 |
| M17  | 17 38 12 | 25° 5'23         | 0959            | 19°42  | 7°41  | 15°40          | 9°53           | 14°26          | 14°28           | 28°48           | 17°22          | 22°18          | 20°59          | 3°43           | 2°58          | M17  |
| T 18 | 17 42 9  | 26° 2'41         | 15°16           | 20°35  | 8°55  | 16°10          | 9°46           | 14°22          | 14°26           | 28°50           | 17°23          | 22°13          | 20°56          | 3°50           | 2°54          | T 18 |
| W19  | 17 46 6  | 26°59'58         | 29°12           | 21°25  | 10° 8 | 16°40          | 9°39           | 14°18          | 14°23           | 28°53           | 17°25          | 22° 8          | 20°53          | 3°57           | 2°50          | W19  |
| T 20 | 17 50 2  | 27°57'14         | $12\Omega 45$   | 22°11  | 11°22 | 17°10          | 9°32           | 14°14          | 14°21           | 28°55           | 17°26          | 22° 3          | 20°50          | 4° 3           | 2°46          | T 20 |
| F 21 | 17 53 59 | 28°54'30         | 25°53           | 22°52  | 12°35 | 17°41          | 9°24           | 14°10          | 14°19           | 28°57           | 17°27          | 21°58          | 20°47          | 4°10           | 2°43          | F 21 |
| S 22 | 17 57 55 | 29°51'44         | 8 <b>m</b> p38  | 23°30  | 13°49 | 18°11          | 9°17           | 14° 6          | 14°16           | 28°59           | 17°29          | 21°54          | 20°43          | 4°17           | 2°39          | S 22 |
| S 23 | 18 1 52  | 09548'59         | 21° 2           | 24° 4  | 15° 2 | 18°42          | 9° 9           | 14° 2          | 14°14           | 29° 1           | 17°30          | 21°52          | 20°40          | 4°23           | 2°35          | S 23 |
| M24  | 18 5 48  | 1°46'12          | 3 <b>₾</b> 10   | 24°34  | 16°16 | 19°13          | 9° 2           | 13°57          | 14°12           | 29° 4           | 17°31          | 21°D52         | 20°37          | 4°30           | 2°31          | M24  |
| T 25 | 18 9 45  | 2°43'25          | 15° 6           | 25° 0  | 17°29 | 19°44          | 8°54           | 13°53          | 14° 9           | 29° 6           | 17°33          | 21°52          | 20°34          | 4°36           | 2°27          | T 25 |
| W26  | 18 13 41 | 3°40'38          | 26°56           | 25°21  | 18°43 | 20°16          | 8°46           | 13°49          | 14° 7           | 29° 8           | 17°34          | 21°54          | 20°31          | 4°43           | 2°23          | W26  |
| T 27 | 18 17 38 | 4°37'50          | 8 <b>M</b> .44  | 25°37  | 19°56 | 20°47          | 8°39           | 13°44          | 14° 5           | 29°10           | 17°35          | 21°55          | 20°28          | 4°50           | 2°19          | T 27 |
| F 28 | 18 21 35 | 5°35'02          | 20°36           | 25°50  | 21°10 | 21°19          | 8°31           | 13°40          | 14° 3           | 29°13           | 17°37          | 21°R56         | 20°24          | 4°56           | 2°15          | F 28 |
| S 29 | 18 25 31 | 6°32'13          | 2 <b>₹</b> 35   | 25°57  | 22°23 | 21°51          | 8°23           | 13°36          | 14° 0           | 29°15           | 17°38          | 21°55          | 20°21          | 5° 3           | 2°11          | S 29 |
| S 30 | 18 29 28 | 79529'24         | 14 <b>×</b> 745 | 26°R 0 | 23937 | 22 <b>m</b> 23 | 8 <b>ਰ</b> 16  | 13 <b>ට</b> 31 | 13 <b>×7</b> 58 | 29耳17           | 17 <b>Ⅲ</b> 39 | 21 <b>M</b> 53 | 20 <b>M</b> 18 | 5 <b>M</b> .10 | 2ਰ 7          | S 30 |

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| Day  | Sid.t    | 0               | D               | ğ      | Ŷ             | ď              | 4             | ħ              | )∤(            | ¥     | Р              | P              | v              | ţ              | o<br>k        | Day  |
|------|----------|-----------------|-----------------|--------|---------------|----------------|---------------|----------------|----------------|-------|----------------|----------------|----------------|----------------|---------------|------|
| M 1  | 18 33 24 | 8926'35         | 27 <b>×7</b> 7  | 25°R58 | 24950         | 22 <b>m</b> 55 | 8°R 8         | 13°R27         | 13°R56         | 29耳19 | 17 <b>Ⅲ</b> 41 | 21°R49         | 20 <b>M</b> 15 | 5 <b>M</b> .16 | 2°R 3         | M 1  |
| T 2  | 18 37 21 | 9°23'46         | 9 <b>ප</b> 45   | 25952  | 26° 3         | 23°27          | 0 <b>ප</b> 8  | 13 <b>る</b> 23 | 13 <b>∡</b> 54 | 29°22 | 17°42          | 21 <b>M</b> 42 | 20°12          | 5°23           | 2号 0          | T 2  |
| W 3  | 18 41 17 | 10°20'56        | 22°37           | 25°41  | 27°17         | 24° 0          | 7°53          | 13°18          | 13°52          | 29°24 | 17°43          | 21°34          | 20° 8          | 5°30           | 1°56          | W 3  |
| T 4  | 18 45 14 | 11°18'07        | 5≈44            | 25°26  | 28°30         | 24°32          | 7°45          | 13°14          | 13°50          | 29°26 | 17°45          | 21°26          | 20° 5          | 5°36           | 1°52          | T 4  |
| F 5  | 18 49 10 | 12°15'17        | 19° 5           | 25° 6  | 29°44         | 25° 5          | 7°37          | 13° 9          | 13°48          | 29°28 | 17°46          | 21°18          | 20° 2          | 5°43           | 1°48          | F 5  |
| S 6  | 18 53 7  | 13°12'28        | 2 <b>∺</b> 38   | 24°43  | 0 <b>Ω</b> 57 | 25°38          | 7°30          | 13° 5          | 13°45          | 29°30 | 17°47          | 21°11          | 19°59          | 5°50           | 1°44          | S 6  |
| S 7  | 18 57 4  | 14° 9'39        | 16°21           | 24°15  | 2°10          | 26°11          | 7°22          | 13° 1          | 13°43          | 29°32 | 17°49          | 21° 6          | 19°56          | 5°56           | 1°40          | S 7  |
| M 8  | 19 1 0   | 15° 6'51        | 0 <b>Υ</b> 14   | 23°45  | 3°24          | 26°44          | 7°15          | 12°56          | 13°41          | 29°35 | 17°50          | 21° 3          | 19°53          | 6° 3           | 1°37          | M 8  |
| T 9  | 19 4 57  | 16° 4'03        | 14°15           | 23°12  | 4°37          | 27°17          | 7° 7          | 12°52          | 13°39          | 29°37 | 17°51          | 21°D 2         | 19°49          | 6°10           | 1°33          | T 9  |
| W10  | 19 8 53  | 17° 1'15        | 28°23           | 22°36  | 5°50          | 27°51          | 6°59          | 12°47          | 13°38          | 29°39 | 17°52          | 21° 2          | 19°46          | 6°16           | 1°29          | W10  |
| T 11 | 19 12 50 | 17°58'28        | 12837           | 21°59  | 7° 4          | 28°24          | 6°52          | 12°43          | 13°36          | 29°41 | 17°54          | 21° 3          | 19°43          | 6°23           | 1°26          | T 11 |
| F 12 | 19 16 46 | 18°55'42        | 26°55           | 21°20  | 8°17          | 28°58          | 6°45          | 12°39          | 13°34          | 29°43 | 17°55          | 21°R 3         | 19°40          | 6°30           | 1°22          | F 12 |
| S 13 | 19 20 43 | 19°52'56        | 11 <b>II</b> 15 | 20°41  | 9°30          | 29°32          | 6°37          | 12°34          | 13°32          | 29°45 | 17°56          | 21° 2          | 19°37          | 6°36           | 1°18          | S 13 |
| S 14 | 19 24 39 | 20°50'10        | 25°33           | 20° 2  | 10°44         | 0요 6           | 6°30          | 12°30          | 13°30          | 29°48 | 17°57          | 20°58          | 19°34          | 6°43           | 1°15          | S 14 |
| M15  | 19 28 36 | 21°47'26        | 99544           | 19°24  | 11°57         | 0°40           | 6°23          | 12°25          | 13°28          | 29°50 | 17°58          | 20°51          | 19°30          | 6°49           | 1°11          | M15  |
| T 16 | 19 32 33 | 22°44'41        | 23°44           | 18°47  | 13°10         | 1°14           | 6°16          | 12°21          | 13°27          | 29°52 | 18° 0          | 20°43          | 19°27          | 6°56           | 1°8           | T 16 |
| W17  | 19 36 29 | 23°41'57        | $7\Omega_{28}$  | 18°12  | 14°23         | 1°48           | 6° 9          | 12°17          | 13°25          | 29°54 | 18° 1          | 20°33          | 19°24          | 7° 3           | 1° 4          | W17  |
| T 18 | 19 40 26 | 24°39'13        | 20°52           | 17°41  | 15°37         | 2°23           | 6° 2          | 12°13          | 13°23          | 29°56 | 18° 2          | 20°22          | 19°21          | 7° 9           | 1° 1          | T 18 |
| F 19 | 19 44 22 | 25°36'29        | 3 <b>m</b> 56   | 17°12  | 16°50         | 2°58           | 5°55          | 12° 8          | 13°22          | 29°58 | 18° 3          | 20°12          | 19°18          | 7°16           | 0°57          | F 19 |
| S 20 | 19 48 19 | 26°33'46        | 16°38           | 16°48  | 18° 3         | 3°32           | 5°48          | 12° 4          | 13°20          | 0න 0  | 18° 4          | 20° 4          | 19°14          | 7°23           | 0°54          | S 20 |
| S 21 | 19 52 15 | 27°31'03        | 29° 2           | 16°27  | 19°16         | 4° 7           | 5°41          | 12° 0          | 13°19          | 0° 2  | 18° 5          | 19°59          | 19°11          | 7°29           | 0°51          | S 21 |
| M22  | 19 56 12 | 28°28'20        | 11 <b>♀</b> 9   | 16°12  | 20°30         | 4°42           | 5°35          | 11°56          | 13°17          | 0° 4  | 18° 6          | 19°55          | 19° 8          | 7°36           | 0°48          | M22  |
| T 23 | 20 0 8   | 29°25'38        | 23° 5           | 16° 2  | 21°43         | 5°17           | 5°28          | 11°52          | 13°16          | 0° 6  | 18° 8          | 19°54          | 19° 5          | 7°43           | 0°44          | T 23 |
| W24  | 20 4 5   | $0\Omega 22'56$ | 4 <b>M</b> .55  | 15°D57 | 22°56         | 5°52           | 5°22          | 11°48          | 13°14          | 0° 8  | 18° 9          | 19°D53         | 19° 2          | 7°49           | 0°41          | W24  |
| T 25 | 20 8 2   | 1°20'14         | 16°44           | 15°58  | 24° 9         | 6°28           | 5°16          | 11°44          | 13°13          | 0°10  | 18°10          | 19°R54         | 18°59          | 7°56           | 0°38          | T 25 |
| F 26 | 20 11 58 | 2°17'33         | 28°38           | 16° 5  | 25°22         | 7° 3           | 5° 9          | 11°40          | 13°11          | 0°12  | 18°11          | 19°54          | 18°55          | 8° 3           | 0°35          | F 26 |
| S 27 | 20 15 55 | 3°14'52         | 10 <b>∡</b> 740 | 16°18  | 26°35         | 7°39           | 5° 3          | 11°36          | 13°10          | 0°14  | 18°12          | 19°52          | 18°52          | 8° 9           | 0°32          | S 27 |
| S 28 | 20 19 51 | 4°12'12         | 2 <u>2</u> °57  | 16°36  | 27°48         | 8°15           | 4°58          | 11°32          | 13° 9          | 0°16  | 18°13          | 19°48          | 18°49          | 8°16           | 0°29          | S 28 |
| M29  | 20 23 48 | 5° 9'33         | 5 <b>云</b> 30   | 17° 1  | 29° 2         | 8°50           | 4°52          | 11°28          | 13° 8          | 0°18  | 18°14          | 19°41          | 18°46          | 8°23           | 0°27          | M29  |
| T 30 | 20 27 44 | 6° 6'54         | 18°23           | 17°33  | 0 <b>m</b> 15 | 9°26           | <u>4°46</u>   | 1 <u>1°</u> 24 | 13° 7          | 0°20  | 18°15          | 19°32          | 18°43          | 8°29           | <u>0°24</u>   | T 30 |
| W31  | 20 31 41 | 7 <b>Ω</b> 4'16 | 1≈35            | 18910  | 1 Mp 28       | 10 <b>♀</b> 2  | 4 <b>정</b> 41 | 11 <b>궁</b> 20 | 13 <b>×</b> 5  | 0922  | 18 <b>Ⅱ</b> 16 | 19 <b>M</b> 21 | 18 <b>M</b> 40 | 8 <b>M</b> .36 | 0 <b>궁</b> 21 | W31  |

Delta T = -0.10 sec

AUGUST 1901 00:00 UT

| Day  | Sid.t    | 0                | )              | Ψ              | <b>Q</b> +    | δ              | 4             | ħ              | ᡟ              | ¥     | Р              | ß               | Ω               | Ç              | , k             | Day  |
|------|----------|------------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|-------|----------------|-----------------|-----------------|----------------|-----------------|------|
| T 1  | 20 35 37 | 8 <b>Ω</b> 1'38  | 15≈ 5          | 18953          | 2 Mp 41       | 10 <b>≏</b> 38 | 4°R35         | 11°R17         | 13°R 4         | 09523 | 18 <b>Ⅲ</b> 17 | 19°R 9          | 18 <b>M</b> .36 | 8 <b>M</b> .43 | 0°R18           | T 1  |
| F 2  | 20 39 34 | 8°59'02          | 28°51          | 19°43          | 3°54          | 11°15          | 4 <b>云</b> 30 | 11 <b>る</b> 13 | 13 <b>×</b> 3  | 0°25  | 18°18          | 18 <b>M</b> .58 | 18°33           | 8°49           | 0 <b>궁</b> 16   | F 2  |
| S 3  | 20 43 31 | 9°56'26          | 12 <b>)</b> 49 | 20°38          | 5° 7          | 11°51          | 4°25          | 11° 9          | 13° 2          | 0°27  | 18°19          | 18°48           | 18°30           | 8°56           | 0°13            | S 3  |
| S 4  | 20 47 27 | 10°53'52         | 26°54          | 21°40          | 6°20          | 12°27          | 4°20          | 11° 6          | 13° 1          | 0°29  | 18°20          | 18°40           | 18°27           | 9° 2           | 0°11            | S 4  |
| M 5  | 20 51 24 | 11°51'18         | 11 <b>°</b> 3  | 22°47          | 7°33          | 13° 4          | 4°16          | 11° 2          | 13° 1          | 0°31  | 18°21          | 18°35           | 18°24           | 9° 9           | 0° 8            | M 5  |
| T 6  | 20 55 20 | 12°48'46         | 25°13          | 23°59          | 8°45          | 13°41          | 4°11          | 10°59          | 13° 0          | 0°32  | 18°21          | 18°33           | 18°20           | 9°16           | 0° 6            | T 6  |
| W 7  | 20 59 17 | 13°46'16         | 9822           | 25°17          | 9°58          | 14°17          | 4° 7          | 10°55          | 12°59          | 0°34  | 18°22          | 18°32           | 18°17           | 9°22           | 0° 4            | W 7  |
| T 8  | 21 3 13  | 14°43'47         | 23°28          | 26°40          | 11°11         | 14°54          | 4° 2          | 10°52          | 12°58          | 0°36  | 18°23          | 18°32           | 18°14           | 9°29           | 0° 2            | T 8  |
| F 9  | 21 7 10  | 15°41'19         | 7 <b>Ⅲ</b> 32  | 28° 8          | 12°24         | 15°31          | 3°58          | 10°49          | 12°57          | 0°38  | 18°24          | 18°31           | 18°11           | 9°36           | 29 <b>×</b> 759 | F 9  |
| S 10 | 21 11 6  | 16°38'52         | 21°31          | 29°41          | 13°37         | 16° 8          | 3°54          | 10°46          | 12°57          | 0°39  | 18°25          | 18°29           | 18° 8           | 9°42           | 29°57           | S 10 |
| S 11 | 21 15 3  | 17°36'28         | 5925           | 1 <b>Q</b> 18  | 14°50         | 16°45          | 3°51          | 10°43          | 12°56          | 0°41  | 18°26          | 18°23           | 18° 5           | 9°49           | 29°55           | S 11 |
| M12  | 21 19 0  | 18°34'04         | 19°11          | 2°59           | 16° 3         | 17°23          | 3°47          | 10°40          | 12°56          | 0°43  | 18°26          | 18°15           | 18° 1           | 9°56           | 29°53           | M12  |
| T 13 | 21 22 56 | 19°31'42         | $2\Omega 47$   | 4°44           | 17°15         | 18° 0          | 3°44          | 10°37          | 12°55          | 0°44  | 18°27          | 18° 5           | 17°58           | 10° 2          | 29°52           | T 13 |
| W14  | 21 26 53 | 20°29'21         | 16°10          | 6°32           | 18°28         | 18°38          | 3°40          | 10°34          | 12°55          | 0°46  | 18°28          | 17°53           | 17°55           | 10° 9          | 29°50           | W14  |
| T 15 | 21 30 49 | 21°27'01         | 29°18          | 8°23           | 19°41         | 19°15          | 3°37          | 10°31          | 12°54          | 0°47  | 18°29          | 17°40           | 17°52           | 10°16          | 29°48           | T 15 |
| F 16 | 21 34 46 | 22°24'42         | 12Mp 9         | 10°17          | 20°54         | 19°53          | 3°34          | 10°28          | 12°54          | 0°49  | 18°29          | 17°28           | 17°49           | 10°22          | 29°47           | F 16 |
| S 17 | 21 38 42 | 23°22'25         | 24°43          | 12°12          | 22° 6         | 20°31          | 3°32          | 10°26          | 12°54          | 0°50  | 18°30          | 17°18           | 17°46           | 10°29          | 29°45           | S 17 |
| S 18 | 21 42 39 | 24°20'08         | 7 <b>♀</b> 2   | 14°10          | 23°19         | 21° 9          | 3°29          | 10°23          | 12°53          | 0°52  | 18°31          | 17°10           | 17°42           | 10°35          | 29°44           | S 18 |
| M19  | 21 46 35 | 25°17'53         | 19° 6          | 16° 8          | 24°32         | 21°47          | 3°27          | 10°21          | 12°53          | 0°53  | 18°31          | 17° 5           | 17°39           | 10°42          | 29°42           | M19  |
| T 20 | 21 50 32 | 26°15'40         | 1 <b>M</b> 0   | 18° 8          | 25°44         | 22°25          | 3°25          | 10°18          | 12°53          | 0°55  | 18°32          | 17° 2           | 17°36           | 10°49          | 29°41           | T 20 |
| W21  | 21 54 29 | 27°13'27         | 12°49          | 20° 8          | 26°57         | 23° 3          | 3°23          | 10°16          | 12°53          | 0°56  | 18°33          | 17°D 1          | 17°33           | 10°55          | 29°40           | W21  |
| T 22 | 21 58 25 | 28°11'15         | 24°37          | 22° 8          | 28°10         | 23°41          | 3°21          | 10°14          | 12°53          | 0°58  | 18°33          | 17°R 1          | 17°30           | 11° 2          | 29°39           | T 22 |
| F 23 | 22 2 22  | 29° 9'05         | 6 <b>₮</b> 30  | 24° 9          | 29°22         | 24°20          | 3°19          | 10°11          | 12°D53         | 0°59  | 18°34          | 17° 1           | 17°26           | 11° 9          | 29°37           | F 23 |
| S 24 | 22 6 18  | OM 6'56          | 18°34          | 26° 9          | 0 <b>ჲ</b> 35 | 24°58          | 3°18          | 10° 9          | 12°53          | 1° 0  | 18°34          | 16°59           | 17°23           | 11°15          | 29°36           | S 24 |
| S 25 | 22 10 15 | 1° 4'48          | 0 <b>궁</b> 53  | 28° 9          | 1°47          | 25°37          | 3°17          | 10° 7          | 12°53          | 1° 2  | 18°35          | 16°56           | 17°20           | 11°22          | 29°36           | S 25 |
| M26  | 22 14 11 | 2° 2'42          | 13°32          | 0 <b>m</b> ) 8 | 3° 0          | 26°16          | 3°16          | 10° 6          | 12°53          | 1° 3  | 18°36          | 16°50           | 17°17           | 11°29          | 29°35           | M26  |
| T 27 | 22 18 8  | 3° 0'36          | 26°33          | 2° 6           | 4°12          | 26°54          | 3°15          | 10° 4          | 12°53          | 1° 4  | 18°36          | 16°42           | 17°14           | 11°35          | 29°34           | T 27 |
| W28  | 22 22 4  | 3°58'32          | 9≈59           | 4° 4           | 5°24          | 27°33          | 3°14          | 10° 2          | 12°53          | 1° 6  | 18°36          | 16°32           | 17°11           | 11°42          | 29°33           | W28  |
| T 29 | 22 26 1  | 4°56'30          | 23°48          | 6° 1           | 6°37          | 28°12          | 3°14          | 10° 0          | 12°54          | 1° 7  | 18°37          | 16°21           | 17° 7           | 11°49          | 29°33           | T 29 |
| F 30 | 22 29 58 | 5°54'29          | 7 <b>∺</b> 56  | 7°56           | 7°49          | 28°51          | 3°14          | 9°59           | 12°54          | 1° 8  | 18°37          | 16°10           | 17° 4           | 11°55          | 29°32           | F 30 |
| S 31 | 22 33 54 | 6 <b>m</b> 52'30 | 22 <b>米</b> 19 | 9 <b>m</b> 51  | 9 <b>₾</b> 1  | 29 <b>ჲ</b> 30 | 3°D13         | 9 <b>ප</b> 57  | 12 <b>×</b> 55 | 199 9 | 18 <b>Ⅲ</b> 38 | 16 <b>M</b> 1   | 17 <b>M</b> 1   | 12 <b>M</b> 2  | 29 <b>×</b> 32  | S 31 |

Delta T = 0.02 sec

SEPTEMBER 1901 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ                | ·              | ð              | 4             | ħ             | )Å(            | 卉     | В              | ß              | v              | Ç              | , k             | Day  |
|------|----------|------------------|-----------------|------------------|----------------|----------------|---------------|---------------|----------------|-------|----------------|----------------|----------------|----------------|-----------------|------|
| S 1  | 22 37 51 | 7 m 50'32        | 6 <b>Ƴ</b> 49   | 11 <b>m</b> ) 44 | 10 <b>≏</b> 14 | 0 <b>M</b> 9   | 3 <b>ਰ</b> 14 | 9°R56         | 12 <b>√</b> 55 | 19910 | 18 <b>Ⅲ</b> 38 | 15°R53         | 16 <b>M</b> 58 | 12M 9          | 29°R32          | S 1  |
| M 2  | 22 41 47 | 8°48'36          | 21°22           | 13°36            | 11°26          | 0°49           | 3°14          | 9 <b>る</b> 55 | 12°55          | 1°11  | 18°39          | 15 <b>M</b> 49 | 16°55          | 12°15          | 29 <b>×</b> 32  | M 2  |
| T 3  | 22 45 44 | 9°46'42          | 5 <b>8</b> 51   | 15°28            | 12°38          | 1°28           | 3°14          | 9°54          | 12°56          | 1°12  | 18°39          | 15°47          | 16°51          | 12°22          | 29°31           | T 3  |
| W 4  | 22 49 40 | 10°44'50         | 20°12           | 17°17            | 13°50          | 2° 8           | 3°15          | 9°53          | 12°57          | 1°13  | 18°39          | 15°D46         | 16°48          | 12°28          | 29°D31          | W 4  |
| T 5  | 22 53 37 | 11°43'00         | 4∏24            | 19° 6            | 15° 2          | 2°47           | 3°16          | 9°52          | 12°57          | 1°14  | 18°40          | 15°47          | 16°45          | 12°35          | 29°31           | T 5  |
| F 6  | 22 57 33 | 12°41'13         | 18°23           | 20°54            | 16°15          | 3°27           | 3°17          | 9°51          | 12°58          | 1°15  | 18°40          | 15°R47         | 16°42          | 12°42          | 29°31           | F 6  |
| S 7  | 23 1 30  | 13°39'27         | 29911           | 22°40            | 17°27          | 4° 7           | 3°18          | 9°50          | 12°59          | 1°16  | 18°40          | 15°45          | 16°39          | 12°48          | 29°32           | S 7  |
| S 8  | 23 5 26  | 14°37'43         | 15°47           | 24°25            | 18°39          | 4°47           | 3°20          | 9°49          | 13° 0          | 1°17  | 18°40          | 15°42          | 16°36          | 12°55          | 29°32           | S 8  |
| M 9  | 23 9 23  | 15°36'02         | 29°12           | 26° 9            | 19°51          | 5°26           | 3°21          | 9°49          | 13° 0          | 1°18  | 18°41          | 15°35          | 16°32          | 13° 2          | 29°32           | M 9  |
| T 10 | 23 13 20 | 16°34'22         | $12\Omega_{25}$ | 27°52            | 21° 3          | 6° 6           | 3°23          | 9°48          | 13° 1          | 1°19  | 18°41          | 15°27          | 16°29          | 13° 8          | 29°33           | T 10 |
| W11  | 23 17 16 | 17°32'45         | 25°25           | 29°33            | 22°15          | 6°47           | 3°25          | 9°48          | 13° 2          | 1°20  | 18°41          | 15°17          | 16°26          | 13°15          | 29°33           | W11  |
| T 12 | 23 21 13 | 18°31'09         | 8 <b>m</b> 13   | 1 <b>≏</b> 14    | 23°27          | 7°27           | 3°27          | 9°47          | 13° 3          | 1°21  | 18°41          | 15° 7          | 16°23          | 13°22          | 29°34           | T 12 |
| F 13 | 23 25 9  | 19°29'35         | 20°47           | 2°53             | 24°38          | 8° 7           | 3°30          | 9°47          | 13° 4          | 1°21  | 18°41          | 14°57          | 16°20          | 13°28          | 29°35           | F 13 |
| S 14 | 23 29 6  | 20°28'03         | 3 <b>₾</b> 8    | 4°32             | 25°50          | 8°47           | 3°32          | 9°47          | 13° 6          | 1°22  | 18°41          | 14°49          | 16°17          | 13°35          | 29°36           | S 14 |
| S 15 | 23 33 2  | 21°26'33         | 15°17           | 6° 9             | 27° 2          | 9°28           | 3°35          | 9°D47         | 13° 7          | 1°23  | 18°42          | 14°42          | 16°13          | 13°42          | 29°36           | S 15 |
| M16  | 23 36 59 | 22°25'04         | 27°16           | 7°45             | 28°14          | 10° 9          | 3°38          | 9°47          | 13° 8          | 1°23  | 18°42          | 14°38          | 16°10          | 13°48          | 29°37           | M16  |
| T 17 | 23 40 55 | 23°23'38         | 9 <b>™</b> 7    | 9°20             | 29°26          | 10°49          | 3°41          | 9°47          | 13° 9          | 1°24  | 18°42          | 14°D37         | 16° 7          | 13°55          | 29°38           | T 17 |
| W18  | 23 44 52 | 24°22'13         | 20°54           | 10°55            | 0 <b>™</b> 37  | 11°30          | 3°44          | 9°48          | 13°11          | 1°25  | 18°42          | 14°37          | 16° 4          | 14° 1          | 29°40           | W18  |
| T 19 | 23 48 49 | 25°20'50         | 2 <b>₹</b> 41   | 12°28            | 1°49           | 12°11          | 3°48          | 9°48          | 13°12          | 1°25  | 18°R42         | 14°38          | 16° 1          | 14° 8          | 29°41           | T 19 |
| F 20 | 23 52 45 | 26°19'28         | 14°33           | 14° 0            | 3° 1           | 12°52          | 3°51          | 9°49          | 13°13          | 1°26  | 18°42          | 14°39          | 15°57          | 14°15          | 29°42           | F 20 |
| S 21 | 23 56 42 | 27°18'09         | 26°35           | 15°31            | 4°12           | 13°33          | 3°55          | 9°49          | 13°15          | 1°26  | 18°42          | 14°R40         | 15°54          | 14°21          | 29°44           | S 21 |
| S 22 | 0 0 38   | 28°16'51         | 8 <b>궁</b> 52   | 17° 1            | 5°24           | 14°14          | 3°59          | 9°50          | 13°16          | 1°27  | 18°42          | 14°39          | 15°51          | 14°28          | 29°45           | S 22 |
| M23  | 0 4 35   | 29°15'34         | 21°30           | 18°30            | 6°35           | 14°55          | 4° 3          | 9°51          | 13°18          | 1°27  | 18°42          | 14°37          | 15°48          | 14°35          | 29°47           | M23  |
| T 24 | 0 8 31   | 0 <b>ჲ</b> 14'20 | 4≈32            | 19°58            | 7°47           | 15°36          | 4° 8          | 9°52          | 13°19          | 1°27  | 18°41          | 14°32          | 15°45          | 14°41          | 29°48           | T 24 |
| W25  | 0 12 28  | 1°13'07          | 18° 0           | 21°25            | 8°58           | 16°17          | 4°12          | 9°52          | 13°21          | 1°28  | 18°41          | 14°27          | 15°42          | 14°48          | 29°50           | W25  |
| T 26 | 0 16 24  | 2°11'56          | 1 <b>∺</b> 56   | 22°51            | 10° 9          | 16°59          | 4°17          | 9°54          | 13°23          | 1°28  | 18°41          | 14°20          | 15°38          | 14°55          | 29°52           | T 26 |
| F 27 | 0 20 21  | 3°10'46          | 16°16           | 24°16            | 11°21          | 17°40          | 4°22          | 9°55          | 13°25          | 1°28  | 18°41          | 14°13          | 15°35          | 15° 1          | 29°54           | F 27 |
| S 28 | 0 24 18  | 4° 9'39          | 0 <b>Ƴ</b> 56   | 25°40            | 12°32          | 18°22          | 4°27          | 9°56          | 13°26          | 1°29  | 18°41          | 14° 8          | 15°32          | 15° 8          | 29°56           | S 28 |
| S 29 | 0 28 14  | 5° 8'33          | 15°49           | 27° 3            | 13°43          | 19° 3          | 4°32          | 9°57          | 13°28          | 1°29  | 18°41          | 14° 3          | 15°29          | 15°15          | 29°58           | S 29 |
| M30  | 0 32 11  | 6 <b>₾</b> 7'30  | 0 <b>8</b> 45   | 28 <b>≏</b> 24   | 14 <b>M</b> 54 | 19 <b>M</b> 45 | 4 <b>る</b> 38 | 9 <b>궁</b> 59 | 13 <b>×</b> 30 | 19529 | 18 <b>Ⅱ</b> 40 | 14 <b>M</b> 1  | 15 <b>M</b> 26 | 15 <b>M</b> 21 | 29 <b>×</b> 759 | M30  |

Delta T = 0.14 sec

OCTOBER 1901 00:00 UT

| Day  | Sid.t   | $\odot$         | D              | X               | ^              |                 |               |                |                 |       |                |                |                |                |               |      |
|------|---------|-----------------|----------------|-----------------|----------------|-----------------|---------------|----------------|-----------------|-------|----------------|----------------|----------------|----------------|---------------|------|
|      |         | 0               | 2)             | ğ               | φ              | ď               | 4             | ħ              | )f(             | 卉     | Р              | v              | Ω              | Ç              | Š             | Day  |
| T 1  | 0 36 7  | 7 <b>♀</b> 6'29 | 15 <b>8</b> 38 | 29 <b>≏</b> 45  | 16M 5          | 20 <b>M</b> 27  | 4 <b>石</b> 43 | 10중 0          | 13 <b>×</b> 32  | 19529 | 18°R40         | 14°D 0         | 15 <b>M</b> 23 | 15 <b>M</b> 28 | 0る 2          | T 1  |
|      | 0 40 4  | 8° 5'30         | 0П20           | 1 <b>m</b> 4    | 17°16          | 21° 9           | 4°49          | 10° 2          | 13°34           | 1°29  | 18 <b>Ⅱ</b> 40 | 14 <b>M</b> 1  | 15°19          | 15°34          | 0° 5          | W 2  |
| -    | 0 44 0  | 9° 4'34         | 14°46          | 2°22            | 18°27          | 21°51           | 4°55          | 10° 4          | 13°36           | 1°29  | 18°40          | 14° 2          | 15°16          | 15°41          | 0° 7          | T 3  |
|      | 0 47 57 | 10° 3'40        | 28°54          | 3°39            | 19°38          | 22°33           | 5° 1          | 10° 6          | 13°38           | 1°30  | 18°39          | 14° 4          | 15°13          | 15°48          | 0° 9          | F 4  |
| S 5  | 0 51 53 | 11° 2'48        | 129542         | 4°54            | 20°49          | 23°15           | 5° 7          | 10° 8          | 13°40           | 1°R30 | 18°39          | 14°R 4         | 15°10          | 15°54          | 0°12          | S 5  |
|      | 0 55 50 | 12° 1'59        | 26°12          | 6° 7            | 22° 0          | 23°57           | 5°13          | 10°10          | 13°42           | 1°30  | 18°39          | 14° 3          | 15° 7          | 16° 1          | 0°15          | S 6  |
|      | 0 59 47 | 13° 1'12        | 9 <b>£</b> 23  | 7°20            | 23°11          | 24°39           | 5°20          | 10°12          | 13°45           | 1°30  | 18°38          | 14° 1          | 15° 3          | 16° 8          | 0°17          | M 7  |
| T 8  | 1 3 43  | 14° 0'27        | 22°19          | 8°30            | 24°21          | 25°21           | 5°26          | 10°14          | 13°47           | 1°29  | 18°38          | 13°57          | 15° 0          | 16°14          | 0°20          | T 8  |
|      | 1 7 40  | 14°59'44        | 5 <b>m</b> ) 1 | 9°39            | 25°32          | 26° 4           | 5°33          | 10°16          | 13°49           | 1°29  | 18°37          | 13°53          | 14°57          | 16°21          | 0°23          | W 9  |
| -    | 1 11 36 | 15°59'04        | 17°30          | 10°45           | 26°43          | 26°46           | 5°40          | 10°19          | 13°51           | 1°29  | 18°37          | 13°48          | 14°54          | 16°28          | 0°26          | T 10 |
|      | 1 15 33 | 16°58'25        | 29°47          | 11°49           | 27°53          | 27°29           | 5°47          | 10°21          | 13°54           | 1°29  | 18°37          | 13°43          | 14°51          | 16°34          | 0°29          | F 11 |
| S 12 | 1 19 29 | 17°57'49        | 11 <b>≏</b> 54 | 12°52           | 29° 4          | 28°12           | 5°54          | 10°24          | 13°56           | 1°29  | 18°36          | 13°39          | 14°48          | 16°41          | 0°32          | S 12 |
|      | 1 23 26 | 18°57'15        | 23°54          | 13°51           | 14 <b>ح</b> ر0 | 28°54           | 6° 2          | 10°27          | 13°59           | 1°29  | 18°36          | 13°37          | 14°44          | 16°48          | 0°35          | S 13 |
|      | 1 27 22 | 19°56'43        | 5 <b>M</b> .46 | 14°48           | 1°24           | 29°37           | 6° 9          | 10°29          | 14° 1           | 1°28  | 18°35          | 13°35          | 14°41          | 16°54          | 0°38          | M14  |
| -    | 1 31 19 | 20°56'13        | 17°34          | 15°41           | 2°35           | 0 <b>₮</b> 20   | 6°17          | 10°32          | 14° 4           | 1°28  | 18°35          | 13°D35         | 14°38          | 17° 1          | 0°41          | T 15 |
|      | 1 35 15 | 21°55'45        | 29°20          | 16°32           | 3°45           | 1° 3            | 6°25          | 10°35          | 14° 6           | 1°28  | 18°34          | 13°36          | 14°35          | 17° 7          | 0°45          | W16  |
|      | 1 39 12 | 22°55'19        | 11 🗷 7         | 17°18           | 4°55           | 1°46            | 6°33          | 10°38          | 14° 9           | 1°27  | 18°33          | 13°37          | 14°32          | 17°14          | 0°48          | T 17 |
|      | 1 43 9  | 23°54'55        | 23° 0          | 18° 1           | 6° 5           | 2°29            | 6°41          | 10°41          | 14°11           | 1°27  | 18°33          | 13°39          | 14°28          | 17°21          | 0°52          | F 18 |
| S 19 | 1 47 5  | 24°54'33        | 5ਰ 1           | 18°39           | 7°15           | 3°12            | 6°49          | 10°45          | 14°14           | 1°26  | 18°32          | 13°40          | 14°25          | 17°27          | 0°55          | S 19 |
|      | 151 2   | 25°54'12        | 17°17          | 19°12           | 8°25           | 3°56            | 6°57          | 10°48          | 14°17           | 1°26  | 18°32          | 13°41          | 14°22          | 17°34          | 0°59          | S 20 |
|      | 1 54 58 | 26°53'53        | 29°51          | 19°39           | 9°35           | 4°39            | 7° 6          | 10°51          | 14°19           | 1°25  | 18°31          | 13°R41         | 14°19          | 17°41          | 1° 3          | M21  |
|      | 1 58 55 | 27°53'36        | 12 <b>≈</b> 47 | 20° 1           | 10°44          | 5°22            | 7°15          | 10°55          | 14°22           | 1°25  | 18°30          | 13°41          | 14°16          | 17°47          | 1° 7          | T 22 |
|      | 2 2 51  | 28°53'20        | 26° 9          | 20°15           | 11°54          | 6° 6            | 7°23          | 10°58          | 14°25           | 1°24  | 18°30          | 13°40          | 14°13          | 17°54          | 1°10          | W23  |
| T 24 | 2 6 48  | 29°53'06        | 9 <b>)</b> 59  | 20°23           | 13° 3          | 6°49            | 7°32          | 11° 2          | 14°28           | 1°24  | 18°29          | 13°38          | 14° 9          | 18° 1          | 1°14          | T 24 |
| -    | 2 10 44 | 0M52'54         | 24°16          | 20°R23          | 14°13          | 7°33            | 7°41          | 11° 6          | 14°31           | 1°23  | 18°28          | 13°36          | 14° 6          | 18° 7          | 1°18          | F 25 |
| S 26 | 2 14 41 | 1°52'43         | 8 <b>Ƴ</b> 58  | 20°15           | 15°22          | 8°16            | 7°50          | 11°10          | 14°34           | 1°22  | 18°27          | 13°35          | 14° 3          | 18°14          | 1°22          | S 26 |
|      | 2 18 38 | 2°52'35         | 23°58          | 19°58           | 16°31          | 9° 0            | 8° 0          | 11°13          | 14°37           | 1°22  | 18°27          | 13°34          | 14° 0          | 18°21          | 1°26          | S 27 |
| -    | 2 22 34 | 3°52'28         | 98 8           | 19°32           | 17°40          | 9°44            | 8° 9          | 11°17          | 14°40           | 1°21  | 18°26          | 13°D33         | 13°57          | 18°27          | 1°31          | M28  |
|      | 2 26 31 | 4°52'23         | 24°19          | 18°56           | 18°49          | 10°28           | 8°18          | 11°21          | 14°43           | 1°20  | 18°25          | 13°33          | 13°54          | 18°34          | 1°35          | T 29 |
|      | 2 30 27 | 5°52'21         | 9Д22           | 18°12           | 19°58          | 11°12           | 8°28          | 11°26          | 14°46           | 1°19  | 18°24          | 13°34          | 13°50          | 18°41          | 1°39          | W30  |
| T 31 | 2 34 24 | 6ML52'20        | 24 <b>II</b> 8 | 17 <b>M</b> .18 | 21 <b>才</b> 7  | 11 <b>∡</b> 756 | 8 <b>군</b> 38 | 11 <b>궁</b> 30 | 14 <b>×7</b> 49 | 19519 | 18 <b>Ⅱ</b> 23 | 13 <b>M</b> 35 | 13 <b>M</b> 47 | 18 <b>M</b> 47 | 1 <b>ゼ</b> 43 | T 31 |

Delta T = 0.25 sec

NOVEMBER 1901 00:00 UT

| Day          | Sid.t              | 0                             | D                       | ğ               | φ                       | ď               | 4              | ħ              | )∤(             | ¥            | Р              | ß              | v                       | Ç              | Q<br>K        | Day          |
|--------------|--------------------|-------------------------------|-------------------------|-----------------|-------------------------|-----------------|----------------|----------------|-----------------|--------------|----------------|----------------|-------------------------|----------------|---------------|--------------|
| F 1          | 2 38 20            | 7ML52'22                      | 8932                    | 16°R16          | 22 <b>×</b> 16          | 12 <b>×</b> 140 | 8 <b>궁</b> 48  | 11 <b>る</b> 34 | 14 <b>×</b> 752 | 1°R18        | 18°R23         | 13 <b>M</b> 35 | 13 <b>M</b> .44         | 18 <b>M</b> 54 | 1 <b>石</b> 48 | F 1          |
| S 2          | 2 42 17            | 8°52'26                       | 22°31                   | 15 <b>M</b> 8   | 23°24                   | 13°24           | 8°58           | 11°38          | 14°55           | 19917        | 18Ⅱ22          | 13°36          | 13°41                   | 19° 0          | 1°52          | S 2          |
| S 3          | 2 46 13            | 9°52'32                       | 6 <b>Ω</b> 5            | 13°53           | 24°33                   | 14° 8           | 9° 8           | 11°43          | 14°58           | 1°16         | 18°21          | 13°R36         | 13°38                   | 19° 7          | 1°57          | S 3          |
| M 4          | 2 50 10            | 10°52'40                      | 19°15                   | 12°36           | 25°41                   | 14°52           | 9°18           | 11°47          | 15° 1           | 1°15         | 18°20          | 13°36          | 13°34                   | 19°14          | 2° 1          | M 4          |
| T 5          | 2 54 7             | 11°52'50                      | 2MD 4                   | 11°17           | 26°49                   | 15°37           | 9°28           | 11°52          | 15° 4           | 1°14         | 18°19          | 13°36          | 13°31                   | 19°20          | 2° 6          | T 5          |
| W 6          | 2 58 3             | 12°53'02                      | 14°34                   | 10° 0           | 27°57                   | 16°21           | 9°39           | 11°57          | 15° 8           | 1°13         | 18°18          | 13°35          | 13°28                   | 19°27          | 2°11          | W 6          |
| T 7          | 3 2 0              | 13°53'16                      | 26°50                   | 8°46            | 29° 5                   | 17° 6           | 9°49           | 12° 1          | 15°11           | 1°12         | 18°17          | 13°D35         | 13°25                   | 19°34          | 2°15          | T 7          |
| F 8          | 3 5 56             | 14°53'32                      | 8 <b>₾</b> 55<br>20°52  | 7°39<br>6°40    | 0 <b>궁</b> 13<br>1°21   | 17°50           | 10° 0<br>10°10 | 12° 6          | 15°14<br>15°17  | 1°11<br>1°10 | 18°16<br>18°15 | 13°36          | 13°22<br>13°19          | 19°40<br>19°47 | 2°20          | F 8<br>S 9   |
| S 9          | 3 9 53             | 15°53'50                      |                         |                 |                         | 18°35           |                | 12°11          |                 |              |                | 13°36          |                         |                | 2°25          | ~ ^          |
| S 10         | 3 13 49            | 16°54'10                      | 2 <b>M</b> .43          | 5°50            | 2°28                    | 19°19           | 10°21          | 12°16          | 15°21           | 1° 9         | 18°14          | 13°36          | 13°15                   | 19°54          | 2°30          | S 10         |
| M11          | 3 17 46            | 17°54'32                      | 14°31                   | 5°12            | 3°35                    | 20° 4           | 10°32          | 12°21          | 15°24           | 1° 8         | 18°14          | 13°R36         | 13°12                   | 20° 0          | 2°35          | M11          |
| T 12         | 3 21 42            | 18°54'55                      | 26°18                   | 4°45            | 4°43                    | 20°49           | 10°43          | 12°26          | 15°27           | 1° 7         | 18°13          | 13°36          | 13° 9                   | 20° 7          | 2°40          | T 12         |
| W13<br>T 14  | 3 25 39<br>3 29 36 | 19°55'20<br>20°55'47          | 8 <b>∡</b> 7 6<br>19°58 | 4°30<br>4°D26   | 5°50<br>6°56            | 21°34<br>22°19  | 10°54<br>11° 6 | 12°31<br>12°36 | 15°31<br>15°34  | 1° 5<br>1° 4 | 18°12<br>18°11 | 13°35<br>13°35 | 13° 6<br>13° 3          | 20°14<br>20°20 | 2°45<br>2°50  | W13<br>T 14  |
| F 15         | 3 33 32            | 20°56'15                      | 19 38<br>1 <b>궁</b> 56  | 4°34            | 8° 3                    | 23° 4           | 11°17          | 12°42          | 15°38           | 1° 3         | 18° 9          | 13°33          | 13° 0                   | 20°27          | 2°55          | F 15         |
| S 16         | 3 37 29            | 22°56'45                      | 14° 2                   | 4°51            | 9° 9                    | 23°49           | 11°28          | 12°47          | 15°41           | 1° 2         | 18° 8          | 13°32          | 12°56                   | 20°33          | 3° 0          | S 16         |
| S 17         | 3 41 25            | 23°57'16                      | 26°20                   | 5°19            | 10°16                   | 24°34           | 11°40          | 12°52          | 15°44           | 1° 1         | 18° 7          | 13°31          | 12°53                   | 20°40          | 3° 5          | S 17         |
| M18          | 3 45 22            | 24°57'48                      | 8 <b>≈</b> 53           | 5°55            | 11°22                   | 25°19           | 11°51          | 12°58          | 15°48           | 0°59         | 18° 6          | 13°30          | 12°50                   | 20°47          | 3°11          | M18          |
| T 19         | 3 49 18            | 25°58'22                      | 21°45                   | 6°38            | 12°28                   | 26° 4           | 12° 3          | 13° 3          | 15°51           | 0°58         | 18° 5          | 13°D29         | 12°47                   | 20°53          | 3°16          | T 19         |
| W20          | 3 53 15            | 26°58'56                      | 4 <b>)</b> €58          | 7°29            | 13°33                   | 26°49           | 12°15          | 13° 9          | 15°55           | 0°57         | 18° 4          | 13°29          | 12°44                   | 21° 0          | 3°21          | W20          |
| T 21         | 3 57 11            | 27°59'32                      | 18°36                   | 8°25            | 14°39                   | 27°35           | 12°26          | 13°15          | 15°58           | 0°55         | 18° 3          | 13°30          | 12°40                   | 21° 7          | 3°27          | T 21         |
| F 22<br>S 23 | 4 1 8<br>4 5 5     | 29° 0'09<br>0 <b>×</b> 7 0'47 | 2 <b>Υ</b> 39<br>17°7   | 9°27<br>10°34   | 15°44<br>16°49          | 28°20<br>29° 6  | 12°38<br>12°50 | 13°20<br>13°26 | 16° 2<br>16° 6  | 0°54<br>0°52 | 18° 2<br>18° 1 | 13°31<br>13°32 | 12°37<br>12°34          | 21°13<br>21°20 | 3°32<br>3°38  | F 22<br>S 23 |
|              |                    |                               |                         |                 |                         |                 |                |                |                 |              | -              |                |                         |                |               |              |
| S 24         | 4 9 1              | 1° 1'27                       | 1 <b>8</b> 57           | 11°44           | 17°54                   | 29°51           | 13° 2          | 13°32          | 16° 9           | 0°51         | 18° 0          | 13°33          | 12°31                   | 21°27          | 3°43          | S 24         |
| M25          | 4 12 58            | 2° 2'08                       | 17° 3                   | 12°58           | 18°58                   | 0중37            | 13°14          | 13°38          | 16°13           | 0°50         | 17°59          | 13°R34         | 12°28                   | 21°33          | 3°49          | M25          |
| T 26         | 4 16 54            | 3° 2'50                       | 2 <b>Ⅱ</b> 17           | 14°14<br>15°33  | 20° 2<br>21° 6          | 1°22<br>2° 8    | 13°27<br>13°39 | 13°44          | 16°16<br>16°20  | 0°48         | 17°58          | 13°33<br>13°31 | 12°25<br>12°21          | 21°40          | 3°54<br>4° 0  | T 26<br>W27  |
| W27<br>T 28  | 4 20 51<br>4 24 47 | 4° 3'33<br>5° 4'18            | 17°28<br>2 <b>©</b> 27  | 15°33<br>16°55  | 21° 6<br>22°10          | 2° 8<br>2°53    | 13°39<br>13°51 | 13°50<br>13°56 | 16°20<br>16°23  | 0°47<br>0°45 | 17°57<br>17°55 | 13°31<br>13°28 | 12°21<br>12°18          | 21°47<br>21°53 | 4° 0<br>4° 5  | T 28         |
| F 29         | 4 24 47            | 6° 5'04                       | 17° 7                   | 18°18           | 22°10<br>23°13          | 3°39            | 13 31<br>14° 4 | 13° 30° 14° 2  | 16°23           | 0°43         | 17°54          | 13°25          | 12 18<br>12°15          | 21° 33         | 4°11          | F 29         |
| S 30         | 4 32 40            | 7 <b>₹</b> 7 5'51             | 1 <b>Ω</b> 20           | 19 <b>M</b> .42 | 23 13<br>24 <b>궁</b> 16 | 4 <b>궁</b> 25   | 14316          | 14당 8          | 16 <b>2</b> 7   | 09642        | 17 <b>I</b> 53 | 13 L23         | 12 13<br>12 <b>1</b> 12 | 22 <b>m</b> 7  | 4 <b>년</b> 17 | S 30         |

Delta T = 0.37 sec

DECEMBER 1901 00:00 UT

| Day  | Sid.t   | 0                | )               | φ             | φ              | δ              | 4              | ħ              | ¥              | ¥     | Р               | R               | Ω              | Ç              | ×0            | Day  |
|------|---------|------------------|-----------------|---------------|----------------|----------------|----------------|----------------|----------------|-------|-----------------|-----------------|----------------|----------------|---------------|------|
| S 1  | 4 36 37 | 8 <b>∡</b> 6'40  | 15 <b>Ω</b> 4   | 21 <b>m</b> 8 | 25 <b>궁</b> 18 | 5 <b>ਰ</b> 11  | 14る29          | 14 <b>궁</b> 14 | 16 <b>₮</b> 34 | 0°R41 | 17°R52          | 13°R19          | 12 <b>M</b> 9  | 22 <b>M</b> 13 | 4 <b>る</b> 22 | S 1  |
| M 2  | 4 40 34 | 9° 7'31          | 28°21           | 22°35         | 26°21          | 5°57           | 14°41          | 14°20          | 16°38          | 0ഇ39  | 17 <b>Ⅲ</b> 51  | 13 <b>M</b> .18 | 12° 6          | 22°20          | 4°28          | M 2  |
| T 3  | 4 44 30 | 10° 8'22         | 11 Mp 12        | 24° 3         | 27°23          | 6°43           | 14°54          | 14°26          | 16°42          | 0°38  | 17°50           | 13°D17          | 12° 2          | 22°26          | 4°34          | T 3  |
| W 4  | 4 48 27 | 11° 9'16         | 23°40           | 25°32         | 28°24          | 7°29           | 15° 7          | 14°33          | 16°45          | 0°36  | 17°49           | 13°18           | 11°59          | 22°33          | 4°40          | W 4  |
| T 5  | 4 52 23 | 12°10'10         | 5 <b>≙</b> 52   | 27° 1         | 29°26          | 8°15           | 15°20          | 14°39          | 16°49          | 0°34  | 17°47           | 13°19           | 11°56          | 22°40          | 4°46          | T 5  |
| F 6  | 4 56 20 | 13°11'06         | 17°51           | 28°31         | 0≈27           | 9° 1           | 15°32          | 14°45          | 16°53          | 0°33  | 17°46           | 13°21           | 11°53          | 22°46          | 4°52          | F 6  |
| S 7  | 5 0 16  | 14°12'03         | 29°41           | 0 <b>≯</b> 1  | 1°27           | 9°47           | 15°45          | 14°52          | 16°56          | 0°31  | 17°45           | 13°23           | 11°50          | 22°53          | 4°57          | S 7  |
| S 8  | 5 4 13  | 15°13'01         | 11 <b>ML</b> 28 | 1°32          | 2°27           | 10°33          | 15°58          | 14°58          | 17° 0          | 0°30  | 17°44           | 13°R24          | 11°46          | 23° 0          | 5° 3          | S 8  |
| M 9  | 5 8 9   | 16°14'00         | 23°14           | 3° 3          | 3°27           | 11°19          | 16°11          | 15° 5          | 17° 4          | 0°28  | 17°43           | 13°23           | 11°43          | 23° 6          | 5° 9          | M 9  |
| T 10 | 5 12 6  | 17°15'01         | 5 <b>₹</b> 3    | 4°35          | 4°26           | 12° 6          | 16°25          | 15°11          | 17° 7          | 0°26  | 17°42           | 13°21           | 11°40          | 23°13          | 5°15          | T 10 |
| W11  | 5 16 3  | 18°16'02         | 16°57           | 6° 6          | 5°25           | 12°52          | 16°38          | 15°18          | 17°11          | 0°25  | 17°40           | 13°17           | 11°37          | 23°20          | 5°21          | W11  |
| T 12 | 5 19 59 | 19°17'04         | 28°58           | 7°38          | 6°23           | 13°38          | 16°51          | 15°24          | 17°15          | 0°23  | 17°39           | 13°11           | 11°34          | 23°26          | 5°27          | T 12 |
| F 13 | 5 23 56 | 20°18'07         | 11중 7           | 9°10          | 7°21           | 14°25          | 17° 4          | 15°31          | 17°18          | 0°21  | 17°38           | 13° 5           | 11°31          | 23°33          | 5°33          | F 13 |
| S 14 | 5 27 52 | 21°19'11         | 23°25           | 10°42         | 8°18           | 15°11          | 17°17          | 15°38          | 17°22          | 0°20  | 17°37           | 12°57           | 11°27          | 23°40          | 5°39          | S 14 |
| S 15 | 5 31 49 | 22°20'15         | 5≈54            | 12°15         | 9°15           | 15°58          | 17°31          | 15°44          | 17°25          | 0°18  | 17°36           | 12°50           | 11°24          | 23°46          | 5°45          | S 15 |
| M16  | 5 35 45 | 23°21'19         | 18°36           | 13°47         | 10°11          | 16°44          | 17°44          | 15°51          | 17°29          | 0°16  | 17°35           | 12°44           | 11°21          | 23°53          | 5°51          | M16  |
| T 17 | 5 39 42 | 24°22'24         | 1 <b>∺</b> 31   | 15°20         | 11° 7          | 17°31          | 17°58          | 15°58          | 17°33          | 0°15  | 17°33           | 12°40           | 11°18          | 24° 0          | 5°57          | T 17 |
| W18  | 5 43 38 | 25°23'30         | 14°43           | 16°53         | 12° 2          | 18°17          | 18°11          | 16° 5          | 17°36          | 0°13  | 17°32           | 12°37           | 11°15          | 24° 6          | 6° 3          | W18  |
| T 19 | 5 47 35 | 26°24'35         | 28°12           | 18°26         | 12°56          | 19° 4          | 18°25          | 16°12          | 17°40          | 0°11  | 17°31           | 12°D37          | 11°11          | 24°13          | 6° 9          | T 19 |
| F 20 | 5 51 32 | 27°25'41         | 12 <b>Υ</b> 1   | 19°59         | 13°50          | 19°51          | 18°38          | 16°18          | 17°44          | 0° 9  | 17°30           | 12°37           | 11° 8          | 24°19          | 6°16          | F 20 |
| S 21 | 5 55 28 | 28°26'47         | 26°11           | 21°33         | 14°43          | 20°37          | 18°52          | 16°25          | 17°47          | 0° 8  | 17°29           | 12°39           | 11° 5          | 24°26          | 6°22          | S 21 |
| S 22 | 5 59 25 | 29°27'54         | 10840           | 23° 6         | 15°35          | 21°24          | 19° 5          | 16°32          | 17°51          | 0° 6  | 17°28           | 12°R39          | 11° 2          | 24°33          | 6°28          | S 22 |
| M23  | 6 3 21  | 0중29'00          | 25°26           | 24°40         | 16°27          | 22°11          | 19°19          | 16°39          | 17°55          | 0° 4  | 17°27           | 12°39           | 10°59          | 24°39          | 6°34          | M23  |
| T 24 | 6 7 18  | 1°30'07          | 10 <b>Ⅲ</b> 23  | 26°14         | 17°18          | 22°58          | 19°33          | 16°46          | 17°58          | 0° 3  | 17°26           | 12°36           | 10°56          | 24°46          | 6°40          | T 24 |
| W25  | 6 11 14 | 2°31'14          | 25°24           | 27°48         | 18° 8          | 23°44          | 19°47          | 16°53          | 18° 2          | 0° 1  | 17°24           | 12°31           | 10°52          | 24°53          | 6°46          | W25  |
| T 26 | 6 15 11 | 3°32'21          | 10919           | 29°22         | 18°57          | 24°31          | 20° 0          | 17° 0          | 18° 5          | 29耳59 | 17°23           | 12°24           | 10°49          | 24°59          | 6°52          | T 26 |
| F 27 | 6 19 7  | 4°33'29          | 25° 0           | 0 <b>궁</b> 57 | 19°45          | 25°18          | 20°14          | 17° 7          | 18° 9          | 29°58 | 17°22           | 12°15           | 10°46          | 25° 6          | 6°58          | F 27 |
| S 28 | 6 23 4  | 5°34'37          | 9Ω19            | 2°32          | 20°33          | 26° 5          | 20°28          | 17°14          | 18°12          | 29°56 | 17°21           | 12° 6           | 10°43          | 25°13          | 7° 4          | S 28 |
| S 29 | 6 27 1  | 6°35'45          | 23°12           | 4° 7          | 21°19          | 26°52          | 20°42          | 17°21          | 18°16          | 29°54 | 17°20           | 11°58           | 10°40          | 25°19          | 7°11          | S 29 |
| M30  | 6 30 57 | 7°36'54          | 6 <b>m</b> 36   | 5°43          | 22° 5          | 2 <u>7</u> °39 | 20°56          | 1 <u>7</u> °28 | 18°19          | 29°52 | 1 <u>7</u> °19  | 11°52           | 10°37          | 25°26          | <u>7</u> °17  | M30  |
| T 31 | 6 34 54 | 8 <b>중</b> 38'03 | 19 <b>10</b> 33 | 7 <b>る</b> 19 | 22 <b>≈</b> 49 | 28 <b>궁</b> 26 | 21 <b>궁</b> 10 | 17 <b>る</b> 35 | 18 <b>×</b> 23 | 29耳51 | 17 <b>I</b> I18 | 11 <b>M</b> 47  | 10 <b>M</b> 33 | 25 <b>M</b> 33 | 7 <b>ろ</b> 23 | T 31 |

Delta T = 0.49 sec

JANUARY 1902 00:00 UT

| Day          | Sid.t              | 0                    | D                      | ğ              | φ             | ď              | 4              | ħ              | )Å(            | ¥               | Р               | ₽.               | v               | Ç              | o<br>k         | Day          |
|--------------|--------------------|----------------------|------------------------|----------------|---------------|----------------|----------------|----------------|----------------|-----------------|-----------------|------------------|-----------------|----------------|----------------|--------------|
| W 1          | 6 38 50            | 9 <b>ට</b> 39'13     | 2 <u>ი</u> 6           | 8 <b>궁</b> 55  | 23≈32         | 29 <b>궁</b> 13 | 21 <b>る</b> 23 | 17 <b>る</b> 42 | 18 <b>×</b> 26 | 29°R49          | 17°R17          | 11°R45           | 10 <b>M</b> .30 | 25 <b>M</b> 39 | 7 <b>云</b> 29  | W 1          |
| T 2          | 6 42 47            | 10°40'22             | 14°19                  | 10°31          | 24°15         | 0≈ 0           | 21°37          | 17°49          | 18°30          | 29 <b>Ⅱ</b> 47  | 17 <b>Ⅱ</b> 16  | 11°D45           | 10°27           | 25°46          | 7°35           | T 2          |
| F 3          | 6 46 43            | 11°41'32             | 26°17                  | 12° 8          | 24°56         | 0°47           | 21°51          | 17°56          | 18°33          | 29°46           | 17°15           | 11 <b>M</b> .46  | 10°24           | 25°53          | 7°41           | F 3          |
| S 4          | 6 50 40            | 12°42'43             | 8 <b>M</b> 7           | 13°45          | 25°36         | 1°34           | 22° 5          | 18° 3          | 18°37          | 29°44           | 17°14           | 11°R46           | 10°21           | 25°59          | 7°47           | S 4          |
| S 5          | 6 54 36            | 13°43'53             | 19°53                  | 15°23          | 26°15         | 2°22           | 22°19          | 18°10          | 18°40          | 29°42           | 17°13           | 11°46            | 10°17           | 26° 6          | 7°53           | S 5          |
| M 6          | 6 58 33            | 14°45'04             | 1 <b>才</b> 40          | 17° 1          | 26°52         | 3° 9           | 22°33          | 18°17          | 18°44          | 29°41           | 17°12           | 11°44            | 10°14           | 26°13          | 7°59           | M 6          |
| T 7          | 7 2 30             | 15°46'15             | 13°33                  | 18°39          | 27°28         | 3°56           | 22°47          | 18°24          | 18°47          | 29°39           | 17°11           | 11°39            | 10°11           | 26°19          | 8° 6           | T 7          |
| W 8          | 7 6 26             | 16°47'25             | 25°34                  | 20°18          | 28° 3         | 4°43           | 23° 2          | 18°32          | 18°50          | 29°38           | 17°10           | 11°31            | 10° 8           | 26°26          | 8°12           | W 8          |
| T 9          | 7 10 23            | 17°48'36             | 7 <b>る</b> 45          | 21°57          | 28°37         | 5°30           | 23°16          | 18°39          | 18°54          | 29°36           | 17° 9           | 11°21            | 10° 5           | 26°32          | 8°18           | T 9          |
| F 10         | 7 14 19            | 18°49'46             | 20° 9                  | 23°37          | 29° 8         | 6°18           | 23°30          | 18°46          | 18°57          | 29°34           | 17° 8           | 11° 9            | 10° 2           | 26°39          | 8°24           | F 10         |
| S 11         | 7 18 16            | 19°50'57             | 2≈45                   | 25°17          | 29°39         | 7° 5           | 23°44          | 18°53          | 19° 0          | 29°33           | 17° 7           | 10°56            | 9°58            | 26°46          | 8°30           | S 11         |
| S 12         | 7 22 12            | 20°52'06             | 15°33                  | 26°57          | 0 <b>∺</b> 7  | 7°52           | 23°58          | 19° 0          | 19° 4          | 29°31           | 17° 6           | 10°43            | 9°55            | 26°52          | 8°36           | S 12         |
| M13          | 7 26 9             | 21°53'15             | 28°33                  | 28°38          | 0°34          | 8°40           | 24°12          | 19° 7          | 19° 7          | 29°30           | 17° 5           | 10°32            | 9°52            | 26°59          | 8°42           | M13          |
| T 14         | 7 30 6             | 22°54'24             | 11 <b>)</b> (43        | 0≈19           | 0°59          | 9°27           | 24°26          | 19°14          | 19°10          | 29°28           | 17° 4           | 10°23            | 9°49            | 27° 6          | 8°48           | T 14         |
| W15          | 7 34 2             | 23°55'32             | 25° 5                  | 2° 0           | 1°23          | 10°14          | 24°40          | 19°21          | 19°13          | 29°27           | 17° 3           | 10°17            | 9°46            | 27°12          | 8°54           | W15          |
| T 16         | 7 37 59            | 24°56'39             | 8 <b>Υ</b> 39          | 3°41           | 1°44          | 11° 2          | 24°54          | 19°28          | 19°16          | 29°25           | 17° 2           | 10°14            | 9°43            | 27°19          | 9° 0           | T 16         |
| F 17<br>S 18 | 7 41 55<br>7 45 52 | 25°57'45<br>26°58'51 | 22°24<br>6 <b>8</b> 22 | 5°23<br>7°5    | 2° 4<br>2°21  | 11°49<br>12°36 | 25° 8<br>25°22 | 19°35<br>19°42 | 19°19<br>19°23 | 29°24<br>29°22  | 17° 1<br>17° 0  | 10°D13<br>10°R13 | 9°39<br>9°36    | 27°26<br>27°32 | 9° 6<br>9°12   | F 17<br>S 18 |
|              |                    |                      | _                      |                |               |                |                |                |                |                 |                 |                  |                 |                |                |              |
| S 19         | 7 49 48            | 27°59'56             | 20°33                  | 8°46           | 2°37          | 13°24          | 25°37          | 19°50          | 19°26          | 29°21           | 16°59           | 10°13            | 9°33            | 27°39          | 9°17           | S 19         |
| M20          | 7 53 45            | 29° 0'59             | 4 <b>Ⅱ</b> 55          | 10°28          | 2°50          | 14°11          | 25°51          | 19°57          | 19°29          | 29°19           | 16°59           | 10°11            | 9°30            | 27°46          | 9°23           | M20          |
| T 21         | 7 57 41            | 0 <b>≈</b> 2'02      | 19°27                  | 12° 9          | 3° 1          | 14°59          | 26° 5          | 20° 4          | 19°32          | 29°18           | 16°58           | 10° 7            | 9°27            | 27°52          | 9°29           | T 21         |
| W22<br>T 23  | 8 1 38<br>8 5 35   | 1° 3'04<br>2° 4'05   | 495 3<br>18°37         | 13°50<br>15°31 | 3°10<br>3°16  | 15°46<br>16°33 | 26°19<br>26°33 | 20°11<br>20°18 | 19°35<br>19°38 | 29°16<br>29°15  | 16°57<br>16°56  | 9°59<br>9°49     | 9°23<br>9°20    | 27°59<br>28° 6 | 9°35<br>9°41   | W22<br>T 23  |
| F 24         | 8 9 31             | 3° 5'06              | $3\Omega^{2}$          | 17°10          | 3°20          | 10 33<br>17°21 | 26°47          | 20°25          | 19 38<br>19°41 | 29°13           | 16°55           | 9°37             | 9°17            | 28°12          | 9°46           | F 24         |
| S 25         | 8 13 28            | 4° 6'05              | 17°11                  | 18°48          | 3°R21         | 18° 8          | 20°47          | 20°32          | 19°43          | 29°12           | 16°55           | 9°24             | 9°14            | 28°19          | 9°52           | S 25         |
|              |                    |                      |                        |                |               |                |                |                |                | -               |                 | -                | -               |                |                |              |
| S 26<br>M27  | 8 17 24<br>8 21 21 | 5° 7'04<br>6° 8'01   | 0 Mp 59<br>14°23       | 20°25<br>22° 0 | 3°21<br>3°17  | 18°56<br>19°43 | 27°15<br>27°29 | 20°39<br>20°46 | 19°46<br>19°49 | 29°11<br>29°10  | 16°54<br>16°53  | 9°12<br>9° 2     | 9°11<br>9°8     | 28°26<br>28°32 | 9°58<br>10°4   | S 26<br>M27  |
| T 28         | 8 21 21            | 7° 8'58              | 27°22                  | 23°33          | 3°17<br>3°11  | 20°31          | 27°43          | 20°46<br>20°52 | 19°49<br>19°52 | 29° 10<br>29° 8 | 16°53           | 8°55             | 9° 8            | 28°32<br>28°39 | 10° 4          | T 28         |
| W29          | 8 25 17            | 8° 9'55              | 9 <u>0</u> 58          | 25° 3          | 3° 3          | 20°31<br>21°18 | 27°57          | 20°52<br>20°59 | 19°52<br>19°55 | 29° 8           | 16°52           | 8°50             | 9° 4            | 28°46          | 10° 9<br>10°15 | W29          |
| T 30         | 8 33 10            | 9°10'50              | 22°14                  | 26°30          | 2°52          | 21° 18         | 28°11          | 20° 59         | 19°57          | 29° 6           | 16°51           | 8°48             | 8°58            | 28°52          | 10°13          | T 30         |
| F 31         | 8 37 7             | 10≈11'45             | 4ML15                  | 27 <b>≈</b> 52 | 2 <b>)</b> 38 | 22 <b>≈</b> 53 | 28 <b>3</b> 25 | 21 <b>궁</b> 13 | 20 🗖 0         | 29 <b>I</b> 5   | 16 <b>I</b> I50 | 8 <b>M</b> .47   | 8 <b>M</b> .55  | 28M59          | 10 <b>군</b> 26 | F 31         |

Delta T = 0.61 sec

FEBRUARY 1902 00:00 UT

| Day  | Sid.t    | 0                  | 7)             | φ              | ·              | o <sup>7</sup> | 4              | ħ              | ⊮               | ¥              | 2              | F             | c              | ţ            | Š              | Day  |
|------|----------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|---------------|----------------|--------------|----------------|------|
| S 1  | 8 41 4   | 11≈12'40           | 16 <b>M</b> 6  | 29≈11          | 2°R22          | 23≈40          | 28 <b>궁</b> 39 | 21 <b>る</b> 20 | 20 <b>∡</b> 3   | 29°R 4         | 16°R50         | 8°R47         | 8 <b>M</b> .52 | 29M 6        | 10 <b>ට</b> 31 | S 1  |
| S 2  | 8 45 0   | 12°13'33           | 27°54          | 0 <b>)</b> €24 | 2 <b>)</b> 4   | 24°28          | 28°53          | 21°27          | 20° 5           | 29耳 2          | 16 <b>Ⅱ</b> 49 | 8 <b>M</b> 47 | 8°49           | 29°12        | 10°37          | S 2  |
| M 3  | 8 48 57  | 13°14'26           | 9 <b>∡</b> 743 | 1°31           | 1°43           | 25°15          | 29° 7          | 21°34          | 20°8            | 29° 1          | 16°49          | 8°44          | 8°45           | 29°19        | 10°42          | M 3  |
| T 4  | 8 52 53  | 14°15'17           | 21°38          | 2°31           | 1°20           | 26° 3          | 29°21          | 21°40          | 20°10           | 29° 0          | 16°48          | 8°39          | 8°42           | 29°25        | 10°48          | T 4  |
| W 5  | 8 56 50  | 15°16'08           | 3 <b>⋜</b> 45  | 3°24           | 0°55           | 26°50          | 29°35          | 21°47          | 20°13           | 28°59          | 16°48          | 8°32          | 8°39           | 29°32        | 10°53          | W 5  |
| T 6  | 9 0 46   | 16°16'58           | 16° 5          | 4° 8           | 0°28           | 27°38          | 29°49          | 21°54          | 20°15           | 28°58          | 16°47          | 8°21          | 8°36           | 29°39        | 10°58          | T 6  |
| F 7  | 9 4 43   | 17°17'46           | 28°42          | 4°43           | 29≈59          | 28°25          | 0≈ 3           | 22° 0          | 20°18           | 28°57          | 16°47          | 8° 9          | 8°33           | 29°45        | 11° 4          | F 7  |
| S 8  | 9 8 39   | 18°18'34           | 11 <b>≈</b> 35 | 5° 8           | 29°28          | 29°13          | 0°16           | 22° 7          | 20°20           | 28°56          | 16°46          | 7°55          | 8°29           | 29°52        | 11° 9          | S 8  |
| S 9  | 9 12 36  | 19°19'20           | 24°44          | 5°24           | 28°55          | 0 <b>米</b> 0   | 0°30           | 22°14          | 20°22           | 28°55          | 16°46          | 7°42          | 8°26           | 29°59        | 11°14          | S 9  |
| M10  | 9 16 33  | 20°20'05           | 8 <b>)</b> 8   | 5°R28          | 28°21          | 0°48           | 0°44           | 22°20          | 20°25           | 28°54          | 16°45          | 7°30          | 8°23           | 0 <b>才</b> 5 | 11°19          | M10  |
| T 11 | 9 20 29  | 21°20'48           | 21°43          | 5°22           | 27°46          | 1°35           | 0°58           | 22°27          | 20°27           | 28°53          | 16°45          | 7°20          | 8°20           | 0°12         | 11°24          | T 11 |
| W12  | 9 24 26  | 22°21'30           | 5 <b>℃</b> 27  | 5° 5           | 27°10          | 2°23           | 1°11           | 22°33          | 20°29           | 28°52          | 16°44          | 7°14          | 8°17           | 0°19         | 11°29          | W12  |
| T 13 | 9 28 22  | 23°22'10           | 19°18          | 4°38           | 26°34          | 3°10           | 1°25           | 22°40          | 20°31           | 28°51          | 16°44          | 7°10          | 8°14           | 0°25         | 11°34          | T 13 |
| F 14 | 9 32 19  | 24°22'49           | 3 <b>8</b> 15  | 4° 1           | 25°56          | 3°57           | 1°39           | 22°46          | 20°33           | 28°51          | 16°44          | 7°D 9         | 8°10           | 0°32         | 11°39          | F 14 |
| S 15 | 9 36 15  | 25°23'25           | 17°16          | 3°16           | 25°19          | 4°45           | 1°52           | 22°53          | 20°35           | 28°50          | 16°43          | 7° 9          | 8° 7           | 0°39         | 11°44          | S 15 |
| S 16 | 9 40 12  | 26°24'00           | 1∏20           | 2°23           | 24°42          | 5°32           | 2° 6           | 22°59          | 20°37           | 28°49          | 16°43          | 7°R 9         | 8° 4           | 0°45         | 11°49          | S 16 |
| M17  | 9 44 8   | 27°24'34           | 15°28          | 1°23           | 24° 5          | 6°20           | 2°19           | 23° 5          | 20°39           | 28°48          | 16°43          | 7° 8          | 8° 1           | 0°52         | 11°54          | M17  |
| T 18 | 9 48 5   | 28°25'05           | 29°38          | 0°20           | 23°28          | 7° 7           | 2°33           | 23°11          | 20°41           | 28°48          | 16°42          | 7° 5          | 7°58           | 0°59         | 11°58          | T 18 |
| W19  | 9 52 1   | 29°25'35           | 139548         | 29≈13          | 22°52          | 7°54           | 2°46           | 23°18          | 20°43           | 28°47          | 16°42          | 6°58          | 7°55           | 1° 5         | 12° 3          | W19  |
| T 20 | 9 55 58  | 0 <b>∺</b> 26'03   | 27°53          | 28° 6          | 22°18          | 8°42           | 2°59           | 23°24          | 20°45           | 28°46          | 16°42          | 6°50          | 7°51           | 1°12         | 12° 8          | T 20 |
| F 21 | 9 59 55  | 1°26'29            | 11 <b>0</b> 51 | 26°59          | 21°44          | 9°29           | 3°13           | 23°30          | 20°47           | 28°46          | 16°42          | 6°39          | 7°48           | 1°19         | 12°12          | F 21 |
| S 22 | 10 3 51  | 2°26'53            | 25°37          | 25°55          | 21°13          | 10°16          | 3°26           | 23°36          | 20°48           | 28°45          | 16°41          | 6°28          | 7°45           | 1°25         | 12°17          | S 22 |
| S 23 | 10 7 48  | 3°27'15            | 9 <b>m</b> ) 7 | 24°54          | 20°42          | 11° 3          | 3°39           | 23°42          | 20°50           | 28°45          | 16°41          | 6°17          | 7°42           | 1°32         | 12°21          | S 23 |
| M24  | 10 11 44 | 4°27'36            | 22°18          | 23°58          | 20°14          | 11°51          | 3°52           | 23°48          | 20°52           | 28°44          | 16°41          | 6° 8          | 7°39           | 1°39         | 12°26          | M24  |
| T 25 | 10 15 41 | 5°27'55            | 5 <b>₽</b> 10  | 23° 8          | 19°47          | 12°38          | 4° 5           | 23°54          | 20°53           | 28°44          | 16°41          | 6° 1          | 7°35           | 1°45         | 12°30          | T 25 |
| W26  | 10 19 37 | 6°28'13            | 17°42          | 22°24          | 19°23          | 13°25          | 4°18           | 24° 0          | 20°55           | 28°43          | 16°41          | 5°57          | 7°32           | 1°52         | 12°34          | W26  |
| T 27 | 10 23 34 | 7°28'29            | 29°57          | 21°47          | 19° 1          | 14°12          | 4°31           | 24° 6          | 20°56           | 28°43          | 16°41          | 5°55          | 7°29           | 1°59         | 12°39          | T 27 |
| F 28 | 10 27 30 | 8 <b>) (</b> 28'44 | 11 <b>M</b> 59 | 21≈18          | 18 <b>≈</b> 41 | 14 <b>米</b> 59 | 4≈44           | 24 <b>궁</b> 11 | 20 <b>∡</b> 758 | 28 <b>Ⅱ</b> 42 | 16 <b>Ⅱ</b> 41 | 5°D55         | 7 <b>M</b> 26  | 2 <b>√</b> 5 | 12 <b>る</b> 43 | F 28 |

Delta T = 0.73 sec

MARCH 1902 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ             | φ      | ð              | 4     | ħ              | )Å(            | 卉              | В      | 'n             | v              | Ç             | ę,              | Day  |
|------|----------|------------------|----------------|---------------|--------|----------------|-------|----------------|----------------|----------------|--------|----------------|----------------|---------------|-----------------|------|
| S 1  | 10 31 27 | 9 <b>∺</b> 28'57 | 23M52          | 20°R55        | 18°R24 | 15 <b>)</b> 47 | 4≈57  | 24 <b>궁</b> 17 | 20 <b>х</b> 59 | 28°R42         | 16°R41 | 5 <b>M</b> .56 | 7 <b>M</b> 23  | 2 <b>7</b> 12 | 12 <b>ප්</b> 47 | S 1  |
| S 2  | 10 35 24 | 10°29'08         | 5 <b>√</b> 41  | 20≈40         | 18≈ 9  | 16°34          | 5°10  | 24°23          | 21° 1          | 28∏42          | 16°D41 | 5°R57          | 7°20           | 2°19          | 12°51           | S 2  |
| M 3  | 10 39 20 | 11°29'18         | 17°31          | 20°31         | 17°57  | 17°21          | 5°23  | 24°28          | 21° 2          | 28°41          | 16∏41  | 5°57           | 7°16           | 2°25          | 12°55           | M 3  |
| T 4  | 10 43 17 | 12°29'27         | 29°28          | 20°D29        | 17°47  | 18° 8          | 5°36  | 24°34          | 21° 3          | 28°41          | 16°41  | 5°55           | 7°13           | 2°32          | 12°59           | T 4  |
| W 5  | 10 47 13 | 13°29'34         | 11 <b>る</b> 37 | 20°34         | 17°39  | 18°55          | 5°48  | 24°39          | 21° 4          | 28°41          | 16°41  | 5°51           | 7°10           | 2°39          | 13° 3           | W 5  |
| T 6  | 10 51 10 | 14°29'39         | 24° 1          | 20°44         | 17°34  | 19°42          | 6° 1  | 24°45          | 21° 5          | 28°41          | 16°41  | 5°45           | 7° 7           | 2°45          | 13° 7           | T 6  |
| F 7  | 10 55 6  | 15°29'43         | 6≈45           | 21° 1         | 17°32  | 20°29          | 6°13  | 24°50          | 21° 6          | 28°41          | 16°41  | 5°38           | 7° 4           | 2°52          | 13°10           | F 7  |
| S 8  | 10 59 3  | 16°29'45         | 19°49          | 21°22         | 17°D32 | 21°16          | 6°26  | 24°55          | 21° 8          | 28°41          | 16°41  | 5°29           | 7° 1           | 2°58          | 13°14           | S 8  |
| S 9  | 11 2 59  | 17°29'45         | 3 <b>)</b> 14  | 21°49         | 17°34  | 22° 3          | 6°38  | 25° 1          | 21° 9          | 28°41          | 16°41  | 5°20           | 6°57           | 3° 5          | 13°17           | S 9  |
| M10  | 11 6 56  | 18°29'43         | 16°58          | 22°21         | 17°39  | 22°50          | 6°50  | 25° 6          | 21° 9          | 28°40          | 16°41  | 5°13           | 6°54           | 3°12          | 13°21           | M10  |
| T 11 | 11 10 53 | 19°29'39         | 0 <b>Υ</b> 58  | 22°57         | 17°46  | 23°37          | 7° 3  | 25°11          | 21°10          | 28°D40         | 16°42  | 5° 7           | 6°51           | 3°18          | 13°24           | T 11 |
| W12  | 11 14 49 | 20°29'34         | 15° 9          | 23°37         | 17°55  | 24°24          | 7°15  | 25°16          | 21°11          | 28°40          | 16°42  | 5° 3           | 6°48           | 3°25          | 13°28           | W12  |
| T 13 | 11 18 46 | 21°29'26         | 29°27          | 24°20         | 18° 6  | 25°11          | 7°27  | 25°21          | 21°12          | 28°41          | 16°42  | 5°D 1          | 6°45           | 3°32          | 13°31           | T 13 |
| F 14 | 11 22 42 | 22°29'16         | 13 <b>8</b> 47 | 25° 8         | 18°20  | 25°58          | 7°39  | 25°26          | 21°13          | 28°41          | 16°42  | 5° 1           | 6°41           | 3°38          | 13°34           | F 14 |
| S 15 | 11 26 39 | 23°29'04         | 28° 5          | 25°59         | 18°35  | 26°44          | 7°51  | 25°31          | 21°13          | 28°41          | 16°43  | 5° 2           | 6°38           | 3°45          | 13°38           | S 15 |
| S 16 | 11 30 35 | 24°28'50         | 12 <b>Ⅱ</b> 19 | 26°53         | 18°53  | 27°31          | 8° 3  | 25°35          | 21°14          | 28°41          | 16°43  | 5° 4           | 6°35           | 3°52          | 13°41           | S 16 |
| M17  | 11 34 32 | 25°28'33         | 26°27          | 27°50         | 19°12  | 28°18          | 8°14  | 25°40          | 21°14          | 28°41          | 16°43  | 5°R 4          | 6°32           | 3°58          | 13°44           | M17  |
| T 18 | 11 38 28 | 26°28'14         | 109528         | 28°49         | 19°33  | 29° 5          | 8°26  | 25°45          | 21°15          | 28°41          | 16°43  | 5° 3           | 6°29           | 4° 5          | 13°47           | T 18 |
| W19  | 11 42 25 | 27°27'53         | 24°19          | 29°52         | 19°56  | 29°51          | 8°38  | 25°49          | 21°15          | 28°42          | 16°44  | 5° 1           | 6°26           | 4°12          | 13°50           | W19  |
| T 20 | 11 46 22 | 28°27'30         | 8 <b>N</b> 2   | 0 <b>∺</b> 57 | 20°21  | 0 <b>Υ</b> 38  | 8°49  | 25°54          | 21°16          | 28°42          | 16°44  | 4°56           | 6°22           | 4°18          | 13°52           | T 20 |
| F 21 | 11 50 18 | 29°27'04         | 21°33          | 2° 4          | 20°47  | 1°24           | 9° 1  | 25°58          | 21°16          | 28°42          | 16°45  | 4°51           | 6°19           | 4°25          | 13°55           | F 21 |
| S 22 | 11 54 15 | 0 <b>Y</b> 26′36 | 4 <b>m</b> 51  | 3°13          | 21°16  | 2°11           | 9°12  | 26° 3          | 21°16          | 28°43          | 16°45  | 4°45           | 6°16           | 4°32          | 13°58           | S 22 |
| S 23 | 11 58 11 | 1°26'06          | 17°57          | 4°25          | 21°45  | 2°57           | 9°23  | 26° 7          | 21°17          | 28°43          | 16°46  | 4°40           | 6°13           | 4°38          | 14° 0           | S 23 |
| M24  | 12 2 8   | 2°25'33          | 0 <b>ჲ</b> 47  | 5°39          | 22°16  | 3°44           | 9°34  | 26°11          | 21°17          | 28°43          | 16°46  | 4°35           | 6°10           | 4°45          | 14° 3           | M24  |
| T 25 | 12 6 4   | 3°24'59          | 13°23          | 6°54          | 22°49  | 4°30           | 9°45  | 26°15          | 21°17          | 28°44          | 16°46  | 4°32           | 6° 6           | 4°52          | 14° 5           | T 25 |
| W26  | 12 10 1  | 4°24'22          | 25°45          | 8°12          | 23°23  | 5°17           | 9°56  | 26°19          | 21°17          | 28°44          | 16°47  | 4°30           | 6° 3           | 4°58          | 14° 7           | W26  |
| T 27 | 12 13 57 | 5°23'44          | 7 <b>M</b> 55  | 9°31          | 23°58  | 6° 3           | 10° 7 | 26°23          | 21°R17         | 28°45          | 16°48  | 4°D29          | 6° 0           | 5° 5          | 14°10           | T 27 |
| F 28 | 12 17 54 | 6°23'04          | 19°54          | 10°52         | 24°35  | 6°50           | 10°18 | 26°27          | 21°17          | 28°46          | 16°48  | 4°30           | 5°57           | 5°12          | 14°12           | F 28 |
| S 29 | 12 21 50 | 7°22'22          | 1 <b>∡</b> 746 | 12°15         | 25°13  | 7°36           | 10°29 | 26°31          | 21°17          | 28°46          | 16°49  | 4°32           | 5°54           | 5°18          | 14°14           | S 29 |
| S 30 | 12 25 47 | 8°21'38          | 13°36          | 13°39         | 25°52  | 8°22           | 10°39 | 26°34          | 21°17          | 28°47          | 16°49  | 4°34           | 5°51           | 5°25          | 14°16           | S 30 |
| M31  | 12 29 44 | 9 <b>Υ</b> 20'53 | 25 <b>₹</b> 26 | 15 <b>米</b> 5 | 26≈32  | 9 <b>Υ</b> 8   | 10≈50 | 26 <b>궁</b> 38 | 21 <b>~</b> 17 | 28 <b>Ⅱ</b> 47 | 16耳50  | 4 <b>M</b> .35 | 5 <b>M</b> .47 | 5 <b>₹</b> 32 | 14 <b>궁</b> 18  | M31  |

Delta T = 0.83 sec

APRIL 1902 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | Q.             | ď             | 4     | ħ              | )ф(             | ¥     | В     | v              | v              | Ç             | ę,             | Day  |
|------|----------|-------------------|----------------|----------------|----------------|---------------|-------|----------------|-----------------|-------|-------|----------------|----------------|---------------|----------------|------|
| T 1  | 12 33 40 | 10 <b>Y</b> 20'05 | 7 <b>云</b> 23  | 16 <b>¥</b> 33 | 27≈13          | 9 <b>Υ</b> 54 | 11≈ 0 | 26 <b>궁</b> 42 | 21°R17          | 28∏48 | 16耳51 | 4°R36          | 5 <b>M</b> .44 | 5 <b>₹</b> 38 | 14る20          | T 1  |
| W 2  | 12 37 37 | 11°19'16          | 19°31          | 18° 2          | 27°56          | 10°41         | 11°10 | 26°45          | 21 <b>×</b> 16  | 28°49 | 16°51 | 4 <b>M</b> .36 | 5°41           | 5°45          | 14°22          | W 2  |
| T 3  | 12 41 33 | 12°18'25          | 1≈55           | 19°33          | 28°39          | 11°27         | 11°21 | 26°48          | 21°16           | 28°50 | 16°52 | 4°35           | 5°38           | 5°52          | 14°23          | T 3  |
| F 4  | 12 45 30 | 13°17'32          | 14°38          | 21° 5          | 29°23          | 12°13         | 11°31 | 26°52          | 21°16           | 28°50 | 16°53 | 4°32           | 5°35           | 5°58          | 14°25          | F 4  |
| S 5  | 12 49 26 | 14°16'38          | 27°45          | 22°39          | 0 <b>∺</b> 9   | 12°59         | 11°41 | 26°55          | 21°15           | 28°51 | 16°53 | 4°30           | 5°32           | 6° 5          | 14°27          | S 5  |
| S 6  | 12 53 23 | 15°15'41          | 11 <b>米</b> 16 | 24°14          | 0°55           | 13°45         | 11°50 | 26°58          | 21°15           | 28°52 | 16°54 | 4°27           | 5°28           | 6°12          | 14°28          | S 6  |
| M 7  | 12 57 19 | 16°14'43          | 25°10          | 25°51          | 1°42           | 14°31         | 12° 0 | 27° 1          | 21°14           | 28°53 | 16°55 | 4°24           | 5°25           | 6°18          | 14°29          | M 7  |
| T 8  | 13 1 16  | 17°13'43          | 9 <b>Υ</b> 26  | 27°29          | 2°29           | 15°17         | 12°10 | 27° 4          | 21°14           | 28°54 | 16°55 | 4°22           | 5°22           | 6°25          | 14°31          | T 8  |
| W 9  | 13 5 13  | 18°12'40          | 23°59          | 29° 9          | 3°18           | 16° 2         | 12°19 | 27° 7          | 21°13           | 28°55 | 16°56 | 4°21           | 5°19           | 6°32          | 14°32          | W 9  |
| T 10 | 13 9 9   | 19°11'36          | 8 <b>8</b> 42  | 0 <b>Υ</b> 50  | 4° 7           | 16°48         | 12°29 | 27° 9          | 21°12           | 28°56 | 16°57 | 4°D21          | 5°16           | 6°38          | 14°33          | T 10 |
| F 11 | 13 13 6  | 20°10'30          | 23°29          | 2°33           | 4°57           | 17°34         | 12°38 | 27°12          | 21°12           | 28°57 | 16°58 | 4°22           | 5°12           | 6°45          | 14°34          | F 11 |
| S 12 | 13 17 2  | 21° 9'21          | 8 <b>Ⅱ</b> 12  | 4°18           | 5°48           | 18°20         | 12°47 | 27°15          | 21°11           | 28°58 | 16°59 | 4°23           | 5° 9           | 6°52          | 14°35          | S 12 |
| S 13 | 13 20 59 | 22° 8'11          | 22°46          | 6° 4           | 6°39           | 19° 5         | 12°56 | 27°17          | 21°10           | 28°59 | 17° 0 | 4°24           | 5° 6           | 6°58          | 14°36          | S 13 |
| M14  | 13 24 55 | 23° 6'58          | 7 <b>9</b> 5 6 | 7°51           | 7°31           | 19°51         | 13° 5 | 27°19          | 21° 9           | 29° 0 | 17° 0 | 4°24           | 5° 3           | 7° 5          | 14°37          | M14  |
| T 15 | 13 28 52 | 24° 5'43          | 21°11          | 9°40           | 8°24           | 20°37         | 13°14 | 27°22          | 21° 8           | 29° 1 | 17° 1 | 4°R25          | 5° 0           | 7°12          | 14°37          | T 15 |
| W16  | 13 32 48 | 25° 4'25          | 4 <b>Ω</b> 57  | 11°31          | 9°17           | 21°22         | 13°22 | 27°24          | 21° 7           | 29° 2 | 17° 2 | 4°25           | 4°57           | 7°18          | 14°38          | W16  |
| T 17 | 13 36 45 | 26° 3'05          | 18°27          | 13°23          | 10°11          | 22° 8         | 13°31 | 27°26          | 21° 6           | 29° 4 | 17° 3 | 4°24           | 4°53           | 7°25          | 14°38          | T 17 |
| F 18 | 13 40 42 | 27° 1'43          | 1 <b>M</b> p40 | 15°16          | 11° 5          | 22°53         | 13°39 | 27°28          | 21° 5           | 29° 5 | 17° 4 | 4°23           | 4°50           | 7°32          | 14°39          | F 18 |
| S 19 | 13 44 38 | 28° 0'19          | 14°37          | 17°12          | 12° 0          | 23°38         | 13°47 | 27°30          | 21° 4           | 29° 6 | 17° 5 | 4°22           | 4°47           | 7°38          | 14°39          | S 19 |
| S 20 | 13 48 35 | 28°58'52          | 27°20          | 19°8           | 12°56          | 24°24         | 13°55 | 27°32          | 21° 3           | 29° 7 | 17° 6 | 4°22           | 4°44           | 7°45          | 14°40          | S 20 |
| M21  | 13 52 31 | 29°57'24          | 9 <b>≏</b> 50  | 21° 7          | 13°52          | 25° 9         | 14° 3 | 27°34          | 21° 2           | 29° 9 | 17° 7 | 4°21           | 4°41           | 7°52          | 14°40          | M21  |
| T 22 | 13 56 28 | 0 <b>8</b> 55'53  | 22° 9          | 23° 7          | 14°48          | 25°54         | 14°11 | 27°35          | 21° 0           | 29°10 | 17° 8 | 4°21           | 4°37           | 7°58          | 14°40          | T 22 |
| W23  | 14 0 24  | 1°54'21           | 4 <b>M</b> .18 | 25° 8          | 15°45          | 26°39         | 14°19 | 27°37          | 20°59           | 29°11 | 17° 9 | 4°D21          | 4°34           | 8° 5          | 14°R40         | W23  |
| T 24 | 14 421   | 2°52'46           | 16°19          | 27°11          | 16°42          | 27°25         | 14°26 | 27°38          | 20°58           | 29°13 | 17°10 | 4°21           | 4°31           | 8°12          | 14°40          | T 24 |
| F 25 | 14 8 17  | 3°51'10           | 28°13          | 29°15          | 17°40          | 28°10         | 14°34 | 27°39          | 20°56           | 29°14 | 17°11 | 4°21           | 4°28           | 8°18          | 14°40          | F 25 |
| S 26 | 14 12 14 | 4°49'33           | 10 <b>才</b> 4  | 1820           | 18°38          | 28°55         | 14°41 | 27°41          | 20°55           | 29°16 | 17°12 | 4°R21          | 4°25           | 8°25          | 14°39          | S 26 |
| S 27 | 14 16 10 | 5°47'53           | 21°53          | 3°27           | 19°37          | 29°40         | 14°48 | 27°42          | 20°53           | 29°17 | 17°13 | 4°21           | 4°22           | 8°32          | 14°39          | S 27 |
| M28  | 14 20 7  | 6°46'12           | 3 <b>⋜</b> 45  | 5°34           | 20°36          | 0 <b>8</b> 25 | 14°55 | 27°43          | 20°52           | 29°19 | 17°14 | 4°21           | 4°18           | 8°38          | 14°39          | M28  |
| T 29 | 14 24 4  | 7°44'30           | 15°42          | 7°42           | 21°35          | 1°10          | 15° 2 | 27°44          | 20°50           | 29°20 | 17°16 | 4°20           | 4°15           | 8°45          | 14°38          | T 29 |
| W30  | 14 28 0  | 8 <b>8</b> 42'45  | 27 <b>る</b> 49 | 9 <b>8</b> 51  | 22 <b>)</b> 35 | 1 <b>8</b> 54 | 15≈ 9 | 27 <b>る</b> 45 | 20 <b>∡</b> 149 | 29∏22 | 17耳17 | 4M20           | 4MJ2           | 8 <b>才</b> 52 | 14 <b>る</b> 38 | W30  |

Delta T = 0.96 sec

MAY 1902 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ     | φ               | ď              | 4     | ħ              | )∤(             | ħ     | Р              | ß             | S             | Ç              | ę,             | Day  |
|------|----------|------------------|-----------------|-------|-----------------|----------------|-------|----------------|-----------------|-------|----------------|---------------|---------------|----------------|----------------|------|
| T 1  | 14 31 57 | 9841'00          | 10≈11           | 128 1 | 23 <b>)</b> (35 | 2 <b>8</b> 39  | 15≈15 | 27 <b>중</b> 46 | 20°R47          | 29∏23 | 17 <b>Ⅱ</b> 18 | 4°D20         | 4M 9          | 8 <b>才</b> 58  | 14°R37         | T 1  |
| F 2  | 14 35 53 | 10°39'12         | 22°51           | 14°10 | 24°35           | 3°24           | 15°21 | 27°46          | 20 <b>х</b> 46  | 29°25 | 17°19          | 4 <b>M</b> 20 | 4° 6          | 9° 5           | 14 <b>궁</b> 36 | F 2  |
| S 3  | 14 39 50 | 11°37'24         | 5 <b>¥</b> 53   | 16°20 | 25°36           | 4° 9           | 15°28 | 27°47          | 20°44           | 29°26 | 17°20          | 4°20          | 4° 3          | 9°12           | 14°36          | S 3  |
| S 4  | 14 43 46 | 12°35'33         | 19°20           | 18°29 | 26°37           | 4°53           | 15°34 | 27°47          | 20°42           | 29°28 | 17°21          | 4°21          | 3°59          | 9°18           | 14°35          | S 4  |
| M 5  | 14 47 43 | 13°33'42         | 3 <b>Υ</b> 14   | 20°37 | 27°38           | 5°38           | 15°39 | 27°48          | 20°40           | 29°30 | 17°22          | 4°22          | 3°56          | 9°25           | 14°34          | M 5  |
| T 6  | 14 51 39 | 14°31'48         | 17°33           | 22°45 | 28°40           | 6°22           | 15°45 | 27°48          | 20°39           | 29°31 | 17°24          | 4°23          | 3°53          | 9°32           | 14°33          | T 6  |
| W 7  | 14 55 36 | 15°29'54         | 2814            | 24°51 | 29°42           | 7° 7           | 15°51 | 27°48          | 20°37           | 29°33 | 17°25          | 4°R23         | 3°50          | 9°38           | 14°32          | W 7  |
| T 8  | 14 59 33 | 16°27'58         | 17°12           | 26°56 | 0 <b>Ƴ</b> 44   | 7°51           | 15°56 | 27°R48         | 20°35           | 29°35 | 17°26          | 4°23          | 3°47          | 9°45           | 14°31          | T 8  |
| F 9  | 15 3 29  | 17°26'00         | 2 <b>Ⅱ</b> 18   | 28°59 | 1°46            | 8°36           | 16° 1 | 27°48          | 20°33           | 29°36 | 17°27          | 4°22          | 3°43          | 9°52           | 14°29          | F 9  |
| S 10 | 15 7 26  | 18°24'01         | 17°23           | 0П59  | 2°49            | 9°20           | 16° 6 | 27°48          | 20°31           | 29°38 | 17°28          | 4°20          | 3°40          | 9°58           | 14°28          | S 10 |
| S 11 | 15 11 22 | 19°22'00         | 29519           | 2°58  | 3°52            | 10° 4          | 16°11 | 27°48          | 20°29           | 29°40 | 17°30          | 4°19          | 3°37          | 10° 5          | 14°27          | S 11 |
| M12  | 15 15 19 | 20°19'57         | 16°57           | 4°54  | 4°55            | 10°49          | 16°16 | 27°47          | 20°27           | 29°42 | 17°31          | 4°17          | 3°34          | 10°12          | 14°25          | M12  |
| T 13 | 15 19 15 | 21°17'52         | 1 <b>Ω</b> 14   | 6°47  | 5°58            | 11°33          | 16°21 | 27°47          | 20°25           | 29°44 | 17°32          | 4°15          | 3°31          | 10°18          | 14°23          | T 13 |
| W14  | 15 23 12 | 22°15'45         | 15° 6           | 8°38  | 7° 2            | 12°17          | 16°25 | 27°47          | 20°23           | 29°46 | 17°34          | 4°15          | 3°28          | 10°25          | 14°22          | W14  |
| T 15 | 15 27 8  | 23°13'37         | 28°34           | 10°25 | 8° 6            | 13° 1          | 16°29 | 27°46          | 20°21           | 29°47 | 17°35          | 4°D14         | 3°24          | 10°32          | 14°20          | T 15 |
| F 16 | 15 31 5  | 24°11'27         | 11 <b>m</b> y39 | 12°10 | 9°10            | 13°45          | 16°33 | 27°45          | 20°19           | 29°49 | 17°36          | 4°15          | 3°21          | 10°38          | 14°18          | F 16 |
| S 17 | 15 35 2  | 25° 9'15         | 24°24           | 13°51 | 10°14           | 14°29          | 16°37 | 27°44          | 20°17           | 29°51 | 17°37          | 4°17          | 3°18          | 10°45          | 14°16          | S 17 |
| S 18 | 15 38 58 | 26° 7'01         | 6 <b>₽</b> 53   | 15°29 | 11°19           | 15°13          | 16°41 | 27°43          | 20°15           | 29°53 | 17°39          | 4°18          | 3°15          | 10°52          | 14°15          | S 18 |
| M19  | 15 42 55 | 27° 4'46         | 19° 9           | 17° 4 | 12°23           | 15°57          | 16°44 | 27°43          | 20°12           | 29°55 | 17°40          | 4°19          | 3°12          | 10°58          | 14°13          | M19  |
| T 20 | 15 46 51 | 28° 2'29         | 1 <b>M</b> J14  | 18°36 | 13°28           | 16°41          | 16°47 | 27°41          | 20°10           | 29°57 | 17°41          | 4°R20         | 3° 9          | 11° 5          | 14°11          | T 20 |
| W21  | 15 50 48 | 29° 0'11         | 13°12           | 20° 4 | 14°33           | 17°24          | 16°51 | 27°40          | 20° 8           | 29°59 | 17°43          | 4°20          | 3° 5          | 11°12          | 14° 8          | W21  |
| T 22 | 15 54 44 | 29°57'51         | 25° 5           | 21°28 | 15°38           | 18° 8          | 16°54 | 27°39          | 20° 6           | 0ରେ 1 | 17°44          | 4°18          | 3° 2          | 11°18          | 14° 6          | T 22 |
| F 23 | 15 58 41 | 0 <b>Ⅲ</b> 55'31 | 6 <b>₹</b> 55   | 22°49 | 16°44           | 18°52          | 16°56 | 27°38          | 20° 4           | 0° 3  | 17°45          | 4°16          | 2°59          | 11°25          | 14° 4          | F 23 |
| S 24 | 16 2 37  | 1°53'09          | 18°45           | 24° 7 | 17°49           | 19°35          | 16°59 | 27°36          | 20° 1           | 0° 5  | 17°47          | 4°12          | 2°56          | 11°32          | 14° 2          | S 24 |
| S 25 | 16 634   | 2°50'45          | 0 <b>ප</b> 36   | 25°21 | 18°55           | 20°19          | 17° 1 | 27°35          | 19°59           | 0° 7  | 17°48          | 4° 7          | 2°53          | 11°38          | 13°59          | S 25 |
| M26  | 16 10 31 | 3°48'21          | 12°31           | 26°31 | 20° 1           | 21° 2          | 17° 3 | 27°33          | 19°57           | 0° 9  | 17°49          | 4° 2          | 2°49          | 11°45          | 13°57          | M26  |
| T 27 | 16 14 27 | 4°45'56          | 24°32           | 27°38 | 21° 7           | 21°46          | 17° 6 | 27°31          | 19°54           | 0°11  | 17°51          | 3°57          | 2°46          | 11°52          | 13°54          | T 27 |
| W28  | 16 18 24 | 5°43'29          | 6≈42            | 28°41 | 22°13           | 22°29          | 17° 7 | 27°29          | 19°52           | 0°13  | 17°52          | 3°53          | 2°43          | 11°59          | 13°52          | W28  |
| T 29 | 16 22 20 | 6°41'02          | 19° 3           | 29°40 | 23°19           | 23°12          | 17° 9 | 27°28          | 19°50           | 0°15  | 17°53          | 3°50          | 2°40          | 12° 5          | 13°49          | T 29 |
| F 30 | 16 26 17 | 7°38'34          | 1 <b>)</b> (41  | 0935  | 24°26           | 23°56          | 17°11 | 2 <u>7</u> °26 | 19°47           | 0°17  | 17°55          | 3°49          | 2°37          | 12°12          | 1 <u>3</u> °46 | F 30 |
| S 31 | 16 30 13 | 8Д36'05          | 14 <b>)</b> 38  | 19927 | 25 <b>Ƴ</b> 32  | 24 <b>8</b> 39 | 17≈12 | 27 <b>る</b> 24 | 19 <b>×</b> 745 | 09519 | 17耳56          | 3°D49         | 2 <b>M</b> 34 | 12 <b>×</b> 19 | 13 <b>る</b> 44 | S 31 |

Delta T = 1.07 sec

JUNE 1902 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | φ              | ď              | 4      | ħ              | )Å(             | ¥     | В     | U              | v             | Ç              | Ŷ,             | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|--------|----------------|-----------------|-------|-------|----------------|---------------|----------------|----------------|------|
| S 1  | 16 34 10 | 9∏33'35          | 27 <b>)</b> 58  | 29514          | 26 <b>Y</b> 39 | 25 <b>8</b> 22 | 17≈13  | 27°R21         | 19°R42          | 09521 | 17耳58 | 3 <b>M</b> .50 | 2MJ30         | 12 <b>×</b> 25 | 13°R41         | S 1  |
| M 2  | 16 38 6  | 10°31'05         | 11 <b>°</b> 44  | 2°57           | 27°46          | 26° 5          | 17°14  | 27 <b>궁</b> 19 | 19 <b>×</b> 740 | 0°24  | 17°59 | 3°51           | 2°27          | 12°32          | 13 <b>る</b> 38 | M 2  |
| T 3  | 16 42 3  | 11°28'33         | 25°55           | 3°36           | 28°53          | 26°48          | 17°14  | 27°17          | 19°38           | 0°26  | 18° 0 | 3°52           | 2°24          | 12°39          | 13°35          | T 3  |
| W 4  | 16 46 0  | 12°26'01         | 10832           | 4°11           | 080            | 27°31          | 17°15  | 27°14          | 19°35           | 0°28  | 18° 2 | 3°R52          | 2°21          | 12°45          | 13°32          | W 4  |
| T 5  | 16 49 56 | 13°23'29         | 25°29           | 4°41           | 1° 7           | 28°14          | 17°15  | 27°12          | 19°33           | 0°30  | 18° 3 | 3°51           | 2°18          | 12°52          | 13°29          | T 5  |
| F 6  | 16 53 53 | 14°20'55         | 10 <b>Ⅱ</b> 40  | 5° 7           | 2°15           | 28°57          | 17°R15 | 27° 9          | 19°30           | 0°32  | 18° 5 | 3°47           | 2°15          | 12°59          | 13°26          | F 6  |
| S 7  | 16 57 49 | 15°18'21         | 25°55           | 5°28           | 3°22           | 29°40          | 17°15  | 27° 7          | 19°28           | 0°34  | 18° 6 | 3°42           | 2°11          | 13° 5          | 13°23          | S 7  |
| S 8  | 17 1 46  | 16°15'46         | 1195 4          | 5°45           | 4°30           | 0П23           | 17°15  | 27° 4          | 19°25           | 0°36  | 18° 7 | 3°36           | 2° 8          | 13°12          | 13°20          | S 8  |
| M 9  | 17 5 42  | 17°13'10         | 25°57           | 5°58           | 5°38           | 1° 5           | 17°15  | 27° 1          | 19°23           | 0°39  | 18° 9 | 3°30           | 2° 5          | 13°19          | 13°16          | M 9  |
| T 10 | 17 9 39  | 18°10'33         | $10\Omega_{26}$ | 6° 5           | 6°45           | 1°48           | 17°14  | 26°58          | 19°20           | 0°41  | 18°10 | 3°24           | 2° 2          | 13°25          | 13°13          | T 10 |
| W11  | 17 13 36 | 19° 7'55         | 24°27           | 6°R 8          | 7°53           | 2°31           | 17°13  | 26°55          | 19°18           | 0°43  | 18°12 | 3°20           | 1°59          | 13°32          | 13°10          | W11  |
| T 12 | 17 17 32 | 20° 5'15         | 8 <b>m</b> ) 0  | 6° 7           | 9° 1           | 3°13           | 17°12  | 26°52          | 19°16           | 0°45  | 18°13 | 3°18           | 1°55          | 13°39          | 13° 7          | T 12 |
| F 13 | 17 21 29 | 21° 2'35         | 21° 6           | 6° 1           | 10° 9          | 3°56           | 17°11  | 26°49          | 19°13           | 0°47  | 18°14 | 3°D17          | 1°52          | 13°45          | 13° 3          | F 13 |
| S 14 | 17 25 25 | 21°59'54         | 3 <b>≏</b> 48   | 5°51           | 11°18          | 4°38           | 17°10  | 26°46          | 19°11           | 0°50  | 18°16 | 3°17           | 1°49          | 13°52          | 13° 0          | S 14 |
| S 15 | 17 29 22 | 22°57'11         | 16°11           | 5°37           | 12°26          | 5°20           | 17° 8  | 26°43          | 19°8            | 0°52  | 18°17 | 3°19           | 1°46          | 13°59          | 12°56          | S 15 |
| M16  | 17 33 18 | 23°54'28         | 28°19           | 5°19           | 13°34          | 6° 3           | 17° 6  | 26°39          | 19° 6           | 0°54  | 18°19 | 3°R20          | 1°43          | 14° 5          | 12°53          | M16  |
| T 17 | 17 37 15 | 24°51'45         | 10 <b>M</b> .17 | 4°57           | 14°43          | 6°45           | 17° 4  | 26°36          | 19° 3           | 0°56  | 18°20 | 3°19           | 1°40          | 14°12          | 12°49          | T 17 |
| W18  | 17 41 11 | 25°49'00         | 22° 8           | 4°32           | 15°51          | 7°27           | 17° 2  | 26°33          | 19° 1           | 0°58  | 18°21 | 3°17           | 1°36          | 14°19          | 12°46          | W18  |
| T 19 | 17 45 8  | 26°46'15         | 3 <b>∡</b> 757  | 4° 4           | 17° 0          | 8° 9           | 17° 0  | 26°29          | 18°58           | 1° 1  | 18°23 | 3°13           | 1°33          | 14°25          | 12°42          | T 19 |
| F 20 | 17 49 5  | 27°43'29         | 15°47           | 3°33           | 18° 9          | 8°52           | 16°57  | 26°26          | 18°56           | 1° 3  | 18°24 | 3° 7           | 1°30          | 14°32          | 12°39          | F 20 |
| S 21 | 17 53 1  | 28°40'43         | 27°38           | 3° 1           | 19°18          | 9°34           | 16°55  | 26°22          | 18°54           | 1° 5  | 18°25 | 2°58           | 1°27          | 14°39          | 12°35          | S 21 |
| S 22 | 17 56 58 | 29°37'57         | 9 <b>ට</b> 34   | 2°27           | 20°27          | 10°16          | 16°52  | 26°18          | 18°51           | 1° 7  | 18°27 | 2°48           | 1°24          | 14°46          | 12°32          | S 22 |
| M23  | 18 0 54  | 0935'10          | 21°36           | 1°52           | 21°36          | 10°58          | 16°49  | 26°15          | 18°49           | 1°10  | 18°28 | 2°38           | 1°21          | 14°52          | 12°28          | M23  |
| T 24 | 18 451   | 1°32'22          | 3≈45            | 1°17           | 22°45          | 11°39          | 16°45  | 26°11          | 18°46           | 1°12  | 18°30 | 2°27           | 1°17          | 14°59          | 12°24          | T 24 |
| W25  | 18 8 47  | 2°29'35          | 16° 2           | 0°43           | 23°54          | 12°21          | 16°42  | 26° 7          | 18°44           | 1°14  | 18°31 | 2°18           | 1°14          | 15° 6          | 12°21          | W25  |
| T 26 | 18 12 44 | 3°26'47          | 28°31           | 0° 9           | 25° 3          | 13° 3          | 16°38  | 26° 3          | 18°42           | 1°16  | 18°32 | 2°11           | 1°11          | 15°12          | 12°17          | T 26 |
| F 27 | 18 16 40 | 4°24'00          | 11 <b>)</b> 12  | 29 <b>Ⅲ</b> 37 | 26°13          | 13°45          | 16°35  | 25°59          | 18°39           | 1°19  | 18°34 | 2° 6           | 1° 8          | 15°19          | 12°13          | F 27 |
| S 28 | 18 20 37 | 5°21'12          | 24° 9           | 29° 6          | 27°22          | 14°27          | 16°31  | 25°55          | 18°37           | 1°21  | 18°35 | 2° 4           | 1° 5          | 15°26          | 12° 9          | S 28 |
| S 29 | 18 24 34 | 6°18'24          | 7 <b>Ƴ</b> 25   | 28°39          | 28°32          | 15° 8          | 16°26  | 25°51          | 18°35           | 1°23  | 18°36 | 2°D 3          | 1° 1          | 15°32          | 12° 6          | S 29 |
| M30  | 18 28 30 | 7 <b>©</b> 15'37 | 21 <b>°</b> 2   | 28Ⅱ14          | 29841          | 15 <b>Ⅱ</b> 50 | 16≈22  | 25 <b>る</b> 47 | 18 <b>₮</b> 32  | 19525 | 18Ⅲ38 | 2 <b>m</b> 4   | 0 <b>™</b> 58 | 15 <b>₹</b> 39 | 12る 2          | M30  |

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| Day          | Sid.t                | 0                           | D                        | ğ                         | ·                     | ð               | 4                       | ħ                       | )f(                       | ¥            | Р              | ß                       | Ω              | Ç               | ę,                      | Day         |
|--------------|----------------------|-----------------------------|--------------------------|---------------------------|-----------------------|-----------------|-------------------------|-------------------------|---------------------------|--------------|----------------|-------------------------|----------------|-----------------|-------------------------|-------------|
| T 1          | 18 32 27             | 8 <b>©</b> 12'50<br>9°10'03 | 5 <b>8</b> 2             | 27°R53<br>27 <b>II</b> 36 | 0 <b>Д</b> 51<br>2° 1 | 16 <b>II</b> 31 | 16°R18                  | 25°R43                  | 18°R30<br>18 <b>∡</b> 728 | 19527        | 18 <b>Ⅱ</b> 39 | 2°R 4                   | 0ML55          | 15 <b>×</b> 746 | 11°R58                  | T 1         |
| W 2<br>T 3   | 18 36 23<br>18 40 20 | 9°10'03<br>10° 7'16         | 19°26<br>4 <b>Ⅱ</b> 11   | 27 <b>H</b> 36<br>27°23   | 3°11                  | 17°13<br>17°54  | 16 <b>≈</b> 13<br>16° 8 | 25 <b>る</b> 39<br>25°35 | 18 <b>×</b> 28            | 1°30<br>1°32 | 18°40<br>18°42 | 2M 3<br>2° 0            | 0°52<br>0°49   | 15°52<br>15°59  | 11 <b>궁</b> 54<br>11°51 | W 2<br>T 3  |
| F 4          | 18 44 16             | 11° 4'29                    | 19°12                    | 27°15                     | 4°20                  | 18°36           | 16° 3                   | 25°31                   | 18°23                     | 1°34         | 18°43          | 1°54                    | 0°46           | 16° 6           | 11°47                   | F 4         |
| S 5          | 18 48 13             | 12° 1'43                    | 49521                    | 27°D11                    | 5°30                  | 19°17           | 15°58                   | 25°26                   | 18°21                     | 1°36         | 18°44          | 1°46                    | 0°42           | 16°12           | 11°43                   | S 5         |
| S 6          | 18 52 9              | 12°58'56                    | 19°28                    | 27°12                     | 6°40                  | 19°58           | 15°53                   | 25°22                   | 18°19                     | 1°39         | 18°46          | 1°36                    | 0°39           | 16°19           | 11°39                   | S 6         |
| M 7          | 18 56 6              | 13°56'10                    | 4 <b>Ω</b> 23            | 27°19                     | 7°51                  | 20°39           | 15°48                   | 25°18                   | 18°17                     | 1°41         | 18°47          | 1°26                    | 0°36           | 16°26           | 11°36                   | M 7         |
| T 8          | 19 0 3               | 14°53'23                    | 18°57                    | 27°30                     | 9° 1                  | 21°21           | 15°42                   | 25°14                   | 18°15                     | 1°43         | 18°48          | 1°16                    | 0°33           | 16°32           | 11°32                   | T 8         |
| W 9          | 19 3 59              | 15°50'37<br>16°47'50        | 3 mg 4                   | 27°46<br>28° 8            | 10°11<br>11°21        | 22° 2<br>22°43  | 15°36                   | 25° 9                   | 18°13<br>18°11            | 1°45<br>1°47 | 18°49<br>18°51 | 1° 9<br>1° 3            | 0°30<br>0°26   | 16°39           | 11°28<br>11°24          | W 9<br>T 10 |
| T 10<br>F 11 | 19 7 56<br>19 11 52  | 16°47'50<br>17°45'03        | 16°42<br>29°51           | 28° 8<br>28°35            | 11°21<br>12°32        | 22°43<br>23°24  | 15°31<br>15°25          | 25° 5<br>25° 1          | 18°11<br>18° 9            | 1°47<br>1°49 | 18°51<br>18°52 | 1° 3                    | 0°26<br>0°23   | 16°46<br>16°53  | 11°24<br>11°21          | F 11        |
| S 12         | 19 11 32             | 18°42'16                    | 12 <b>Ω</b> 35           | 28° 7                     | 13°42                 | 23° 24° 5       | 15°18                   | 24°56                   | 18° 7                     | 1°52         | 18°53          | 0°59                    | 0°20           | 16°59           | 11°17                   | S 12        |
| S 13         | 19 19 45             | 19°39'30                    | 24°58                    | 29°44                     | 14°53                 | 24°45           | 15°12                   | 24°52                   | 18° 5                     | 1°54         | 18°54          | 0°59                    | 0°17           | 17° 6           | 11°13                   | S 13        |
| M14          | 19 23 42             | 20°36'43                    | 7 <b>M</b> 5             | 0ණ26                      | 16° 3                 | 25°26           | 15° 6                   | 24°47                   | 18° 3                     | 1°56         | 18°56          | 0°59                    | 0°14           | 17°13           | 11°10                   | M14         |
| T 15         | 19 27 38             | 21°33'56                    | 19° 0                    | 1°14                      | 17°14                 | 26° 7           | 14°59                   | 24°43                   | 18° 1                     | 1°58         | 18°57          | 0°58                    | 0°11           | 17°19           | 11° 6                   | T 15        |
| W16          | 19 31 35             | 22°31'10                    | 0 <b>₹</b> 51            | 2° 6                      | 18°25                 | 26°48           | 14°53                   | 24°38                   | 17°59                     | 2° 0         | 18°58          | 0°55                    | 0° 7           | 17°26           | 11° 2                   | W16         |
| T 17         | 19 35 32             | 23°28'23                    | 12°39                    | 3° 4                      | 19°35                 | 27°28           | 14°46                   | 24°34                   | 17°57                     | 2° 2         | 18°59          | 0°49                    | 0° 4           | 17°33           | 10°59                   | T 17        |
| F 18         | 19 39 28             | 24°25'37                    | 24°31                    | 4° 6                      | 20°46                 | 28° 9           | 14°39                   | 24°30                   | 17°55                     | 2° 4         | 19° 0          | 0°41                    | 0° 1           | 17°39           | 10°55                   | F 18        |
| S 19         | 19 43 25             | 25°22'51                    | 6 <b>පි</b> 27           | 5°13                      | 21°57                 | 28°50           | 14°33                   | 24°25                   | 17°53                     | 2° 7         | 19° 2          | 0°30                    | 29 <b>≏</b> 58 | 17°46           | 10°51                   | S 19        |
| S 20         | 19 47 21             | 26°20'06                    | 18°30                    | 6°25                      | 23° 8                 | 29°30           | 14°26                   | 24°21                   | 17°52                     | 2° 9         | 19° 3          | 0°17                    | 29°55          | 17°53           | 10°48                   | S 20        |
| M21          | 19 51 18             | 27°17'21                    | 0≈42                     | 7°42                      | 24°19                 | 09911           | 14°19                   | 24°16                   | 17°50                     | 2°11         | 19° 4          | 0° 4                    | 29°52          | 17°59           | 10°44                   | M21         |
| T 22<br>W23  | 19 55 14<br>19 59 11 | 28°14'36<br>29°11'53        | 13° 3<br>25°35           | 9° 3<br>10°29             | 25°30<br>26°41        | 0°51<br>1°31    | 14°11<br>14° 4          | 24°12<br>24° 8          | 17°48<br>17°47            | 2°13<br>2°15 | 19° 5<br>19° 6 | 29 <b>2</b> 50<br>29°39 | 29°48<br>29°45 | 18° 6<br>18°13  | 10°41<br>10°37          | T 22<br>W23 |
| T 24         | 20 3 7               | $0\Omega$ 9'09              | 8 <b></b> <del>1</del> 6 | 10 29<br>11°59            | 20 41<br>27°52        | 2°12            | 13°57                   | 24° 3                   | 17 47<br>17°45            | 2°17         | 19 0<br>19° 7  | 29°29                   | 29°43<br>29°42 | 18°19           | 10°37<br>10°34          | T 24        |
| F 25         | 20 7 4               | 1° 6'27                     | 21° 9                    | 13°34                     | 29° 4                 | 2°52            | 13°49                   | 23°59                   | 17°43                     | 2°19         | 19° 8          | 29°23                   | 29°39          | 18°26           | 10°31                   | F 25        |
| S 26         | 20 11 1              | 2° 3'45                     | 4Υ15                     | 15°12                     | 09915                 | 3°32            | 13°42                   | 23°54                   | 17°42                     | 2°21         | 19° 9          | 29°19                   | 29°36          | 18°33           | 10°27                   | S 26        |
| S 27         | 20 14 57             | 3° 1'05                     | 17°35                    | 16°54                     | 1°26                  | 4°12            | 13°34                   | 23°50                   | 17°40                     | 2°23         | 19°11          | 29°18                   | 29°32          | 18°40           | 10°24                   | S 27        |
| M28          | 20 18 54             | 3°58'25                     | 1810                     | 18°40                     | 2°38                  | 4°52            | 13°27                   | 23°46                   | 17°39                     | 2°25         | 19°12          | 29°17                   | 29°29          | 18°46           | 10°21                   | M28         |
| T 29         | 20 22 50             | 4°55'47                     | 15° 4                    | 20°29                     | 3°49                  | 5°32            | 13°19                   | 23°41                   | 17°37                     | 2°27         | 19°13          | 29°17                   | 29°26          | 18°53           | 10°17                   | T 29        |
| W30          | 20 26 47             | 5°53'10                     | 29°15                    | 22°21                     | 5° 1                  | 6°12            | 13°12                   | 23°37                   | 17°36                     | 2°29         | 19°14          | 29°16                   | 29°23          | 19° 0           | 10°14                   | W30         |
| T 31         | 20 30 43             | 6 <b>Ω</b> 50'34            | 13 <b>Ⅱ</b> 43           | 249516                    | 69512                 | 6952            | 13≈ 4                   | 23 <b>중</b> 33          | 17 <b>₹</b> 35            | 2931         | 19 <b>Ⅱ</b> 15 | 29 <b>≏</b> 12          | 29 <b>≙</b> 20 | 19 <b>%</b> 6   | 10 <b>ਰ</b> 11          | T 31        |

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|------|----------|-------------------|-----------------|---------------|----------------|--------|---------------|----------------|-----------------|------|----------------|----------------|----------------|----------------|--------------|------|
| F 1  | 20 34 40 | 7 <b>Ω</b> 47'59  | 28∏25           | 269513        | 79524          | 7932   | 12°R56        | 23°R29         | 17°R33          | 2933 | 19 <b>Ⅱ</b> 16 | 29°R 6         | 29 <b>₽</b> 17 | 19 <b>×</b> 13 | 10°R 8       | F 1  |
| S 2  | 20 38 36 | 8°45'25           | 139515          | 28°12         | 8°36           | 8°12   | 12≈48         | 23 <b>る</b> 24 | 17 <b>,</b> ₹32 | 2°34 | 19°17          | 28 <b>≏</b> 58 | 29°13          | 19°20          | 10궁 5        | S 2  |
| S 3  | 20 42 33 | 9°42'52           | 28° 5           | 0Ω13          | 9°48           | 8°52   | 12°41         | 23°20          | 17°31           | 2°36 | 19°18          | 28°47          | 29°10          | 19°26          | 10° 2        | S 3  |
| M 4  | 20 46 30 | 10°40'20          | 12 <b>Ω</b> 47  | 2°16          | 11° 0          | 9°31   | 12°33         | 23°16          | 17°30           | 2°38 | 19°19          | 28°36          | 29° 7          | 19°33          | 9°59         | M 4  |
| T 5  | 20 50 26 | 11°37'49          | 27°13           | 4°19          | 12°12          | 10°11  | 12°25         | 23°12          | 17°29           | 2°40 | 19°19          | 28°26          | 29° 4          | 19°40          | 9°56         | T 5  |
| W 6  | 20 54 23 | 12°35'19          | 11 <b>m</b> )16 | 6°23          | 13°24          | 10°51  | 12°17         | 23° 8          | 17°28           | 2°42 | 19°20          | 28°17          | 29° 1          | 19°46          | 9°53         | W 6  |
| T 7  | 20 58 19 | 13°32'49          | 24°53           | 8°27          | 14°36          | 11°30  | 12° 9         | 23° 4          | 17°27           | 2°44 | 19°21          | 28°11          | 28°58          | 19°53          | 9°50         | T 7  |
| F 8  | 21 2 16  | 14°30'21          | 8 <b>₾</b> 3    | 10°32         | 15°48          | 12°10  | 12° 2         | 23° 0          | 17°26           | 2°45 | 19°22          | 28° 7          | 28°54          | 20° 0          | 9°47         | F 8  |
| S 9  | 21 6 12  | 15°27'53          | 20°49           | 12°36         | 17° 0          | 12°49  | 11°54         | 22°56          | 17°25           | 2°47 | 19°23          | 28° 6          | 28°51          | 20° 7          | 9°45         | S 9  |
| S 10 | 21 10 9  | 16°25'26          | 3 <b>M</b> .13  | 14°39         | 18°12          | 13°29  | 11°46         | 22°52          | 17°24           | 2°49 | 19°24          | 28°D 6         | 28°48          | 20°13          | 9°42         | S 10 |
| M11  | 21 14 5  | 17°23'00          | 15°21           | 16°43         | 19°24          | 14° 8  | 11°38         | 22°48          | 17°23           | 2°51 | 19°25          | 28°R 6         | 28°45          | 20°20          | 9°39         | M11  |
| T 12 | 21 18 2  | 18°20'35          | 27°19           | 18°45         | 20°36          | 14°47  | 11°30         | 22°44          | 17°22           | 2°52 | 19°26          | 28° 5          | 28°42          | 20°27          | 9°37         | T 12 |
| W13  | 21 21 59 | 19°18'11          | 9 <b>∡</b> 10   | 20°46         | 21°49          | 15°27  | 11°23         | 22°41          | 17°22           | 2°54 | 19°26          | 28° 4          | 28°38          | 20°33          | 9°34         | W13  |
| T 14 | 21 25 55 | 20°15'48          | 2 <u>1</u> ° 0  | 22°47         | 23° 1          | 16° 6  | 11°15         | 22°37          | 17°21           | 2°56 | 19°27          | 27°59          | 28°35          | 20°40          | 9°32         | T 14 |
| F 15 | 21 29 52 | 21°13'26          | 2 <b>ප</b> 54   | 24°46         | 24°14          | 16°45  | 11° 8         | 22°33          | 17°20           | 2°57 | 19°28          | 27°53          | 28°32          | 20°47          | 9°30         | F 15 |
| S 16 | 21 33 48 | 22°11'05          | 14°55           | 26°44         | 25°26          | 17°24  | 11° 0         | 22°30          | 17°20           | 2°59 | 19°29          | 27°44          | 28°29          | 20°53          | 9°27         | S 16 |
| S 17 | 21 37 45 | 23° 8'45          | 27° 7           | 28°40         | 26°39          | 18° 3  | 10°52         | 22°26          | 17°19           | 3° 0 | 19°29          | 27°33          | 28°26          | 21° 0          | 9°25         | S 17 |
| M18  | 21 41 41 | 24° 6'26          | 9≈30            | 0 <b>m</b> 36 | 27°51          | 18°42  | 10°45         | 22°23          | 17°19           | 3° 2 | 19°30          | 27°22          | 28°23          | 21° 7          | 9°23         | M18  |
| T 19 | 21 45 38 | 25° 4'09          | 22° 6           | 2°30          | 29° 4          | 19°21  | 10°38         | 22°20          | 17°18           | 3° 3 | 19°31          | 27°11          | 28°19          | 21°13          | 9°21         | T 19 |
| W20  | 21 49 34 | 26° 1'53          | 4 <b>∺</b> 55   | 4°22          | $0\Omega$ 17   | 20° 0  | 10°30         | 22°16          | 17°18           | 3° 5 | 19°31          | 27° 1          | 28°16          | 21°20          | 9°19         | W20  |
| T 21 | 21 53 31 | 26°59'38          | 17°56           | 6°13          | 1°30           | 20°39  | 10°23         | 22°13          | 17°17           | 3° 6 | 19°32          | 26°54          | 28°13          | 21°27          | 9°17         | T 21 |
| F 22 | 21 57 28 | 27°57'25          | 1 <b>Υ</b> 8    | 8° 3          | 2°42           | 21°17  | 10°16         | 22°10          | 17°17           | 3° 8 | 19°33          | 26°48          | 28°10          | 21°34          | 9°15         | F 22 |
| S 23 | 22 1 24  | 28°55'13          | 14°32           | 9°52          | 3°55           | 21°56  | 10° 9         | 22° 7          | 17°17           | 3° 9 | 19°33          | 26°46          | 28° 7          | 21°40          | 9°13         | S 23 |
| S 24 | 22 5 21  | 29°53'03          | 28° 6           | 11°39         | 5° 8           | 22°35  | 10° 2         | 22° 4          | 17°17           | 3°11 | 19°34          | 26°D45         | 28° 4          | 21°47          | 9°12         | S 24 |
| M25  | 22 9 17  | 0 <b>m</b> 50'55  | 11 <b>8</b> 51  | 13°24         | 6°21           | 23°13  | 9°55          | 22° 1          | 17°16           | 3°12 | 19°34          | 26°46          | 28° 0          | 21°54          | 9°10         | M25  |
| T 26 | 22 13 14 | 1°48'48           | 25°46           | 15° 9         | 7°34           | 23°52  | 9°49          | 21°58          | 17°16           | 3°14 | 19°35          | 26°R46         | 27°57          | 22° 0          | 9° 8         | T 26 |
| W27  | 22 17 10 | 2°46'44           | 9∏52            | 16°52         | 8°47           | 24°30  | 9°42          | 21°55          | 17°D16          | 3°15 | 19°35          | 26°46          | 27°54          | 22° 7          | 9° 7         | W27  |
| T 28 | 22 21 7  | 3°44'41           | 24° 8           | 18°34         | 10° 1          | 25° 9  | 9°35          | 21°52          | 17°16           | 3°16 | 19°36          | 26°45          | 27°51          | 22°14          | 9° 5         | T 28 |
| F 29 | 22 25 3  | 4°42'41           | 8 <b>9</b> 30   | 20°14         | 11°14          | 25°47  | 9°29          | 21°50          | 17°16           | 3°17 | 19°36          | 26°41          | 27°48          | 22°20          | 9° 4         | F 29 |
| S 30 | 22 29 0  | 5°40'42           | 22°56           | 21°53         | 12°27          | 26°26  | 9°23          | 21°47          | 17°16           | 3°19 | 19°37          | 26°35          | 27°44          | 22°27          | 9° 3         | S 30 |
| S 31 | 22 32 57 | 6 <b>M</b> y38'45 | 7 <b>Ω</b> 21   | 23 Mp 31      | 13 <b>N</b> 40 | 2795 4 | 9 <b>≈</b> 17 | 21 <b>る</b> 45 | 17 <b>,7</b> 17 | 3920 | 19 <b>Ⅱ</b> 37 | 26 <b>≏</b> 28 | 27 <b>≏</b> 41 | 22 <b>×</b> 34 | 9 <b>ට</b> 1 | S 31 |

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page 17 of 301

SEPTEMBER 1902 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ               | P              | ď              | 4     | ħ              | )Å(             | ¥             | В              | 'n             | v              | Ç              | , o           | Day  |
|------|----------|------------------|----------------|-----------------|----------------|----------------|-------|----------------|-----------------|---------------|----------------|----------------|----------------|----------------|---------------|------|
| M 1  | 22 36 53 | 7 <b>m</b> 36'49 | 21 <b>Ω</b> 38 | 25 <b>m</b> ) 8 | 14 <b>Ω</b> 54 | 279542         | 9°R10 | 21°R42         | 17 <b>.7</b> 17 | 39521         | 19耳38          | 26°R20         | 27 <u>₽</u> 38 | 22 <b>√</b> 41 | 9°R 0         | M 1  |
| T 2  | 22 40 50 | 8°34'55          | 5 Mp 43        | 26°43           | 16° 7          | 28°20          | 9≈ 5  | 21 <b>궁</b> 40 | 17°17           | 3°22          | 19°38          | 26 <b>₽</b> 12 | 27°35          | 22°47          | 8 <b>궁</b> 59 | T 2  |
| W 3  | 22 44 46 | 9°33'03          | 19°30          | 28°17           | 17°21          | 28°58          | 8°59  | 21°38          | 17°17           | 3°23          | 19°39          | 26° 6          | 27°32          | 22°54          | 8°58          | W 3  |
| T 4  | 22 48 43 | 10°31'13         | 2 <b>≏</b> 56  | 29°50           | 18°34          | 29°37          | 8°53  | 21°35          | 17°18           | 3°25          | 19°39          | 26° 2          | 27°29          | 23° 1          | 8°57          | T 4  |
| F 5  | 22 52 39 | 11°29'24         | 16° 1          | 1 <b>≏</b> 22   | 19°48          | $0\Omega15$    | 8°48  | 21°33          | 17°18           | 3°26          | 19°39          | 25°59          | 27°25          | 23° 7          | 8°56          | F 5  |
| S 6  | 22 56 36 | 12°27'37         | 28°44          | 2°53            | 21° 1          | 0°53           | 8°42  | 21°31          | 17°19           | 3°27          | 19°40          | 25°D59         | 27°22          | 23°14          | 8°56          | S 6  |
| S 7  | 23 0 32  | 13°25'51         | 11 <b>M</b> 8  | 4°22            | 22°15          | 1°30           | 8°37  | 21°29          | 17°19           | 3°28          | 19°40          | 26° 0          | 27°19          | 23°21          | 8°55          | S 7  |
| M 8  | 23 4 29  | 14°24'07         | 23°18          | 5°50            | 23°29          | 2° 8           | 8°32  | 21°28          | 17°20           | 3°29          | 19°40          | 26° 1          | 27°16          | 23°27          | 8°54          | M 8  |
| T 9  | 23 8 25  | 15°22'25         | 5 <b>₹</b> 16  | 7°16            | 24°42          | 2°46           | 8°27  | 21°26          | 17°20           | 3°30          | 19°40          | 26° 3          | 27°13          | 23°34          | 8°54          | T 9  |
| W10  | 23 12 22 | 16°20'44         | 17° 8          | 8°42            | 25°56          | 3°24           | 8°23  | 21°24          | 17°21           | 3°31          | 19°41          | 26°R 3         | 27° 9          | 23°41          | 8°53          | W10  |
| T 11 | 23 16 19 | 17°19'04         | 29° 0          | 10° 6           | 27°10          | 4° 1           | 8°18  | 21°23          | 17°22           | 3°31          | 19°41          | 26° 2          | 27° 6          | 23°47          | 8°53          | T 11 |
| F 12 | 23 20 15 | 18°17'27         | 10 <b>궁</b> 56 | 11°29           | 28°24          | 4°39           | 8°14  | 21°21          | 17°23           | 3°32          | 19°41          | 26° 0          | 27° 3          | 23°54          | 8°53          | F 12 |
| S 13 | 23 24 12 | 19°15'50         | 23° 0          | 12°50           | 29°38          | 5°17           | 8°10  | 21°20          | 17°23           | 3°33          | 19°41          | 25°56          | 27° 0          | 24° 1          | 8°53          | S 13 |
| S 14 | 23 28 8  | 20°14'16         | 5≈17           | 14°10           | 0 <b>m</b> 51  | 5°54           | 8° 6  | 21°19          | 17°24           | 3°34          | 19°41          | 25°51          | 26°57          | 24° 8          | 8°52          | S 14 |
| M15  | 23 32 5  | 21°12'43         | 17°48          | 15°29           | 2° 5           | 6°32           | 8° 2  | 21°18          | 17°25           | 3°35          | 19°42          | 25°45          | 26°54          | 24°14          | 8°D52         | M15  |
| T 16 | 23 36 1  | 22°11'11         | 0 <b>∺</b> 36  | 16°46           | 3°19           | 7° 9           | 7°58  | 21°16          | 17°26           | 3°35          | 19°42          | 25°39          | 26°50          | 24°21          | 8°52          | T 16 |
| W17  | 23 39 58 | 23° 9'42         | 13°42          | 18° 2           | 4°33           | 7°46           | 7°55  | 21°15          | 17°27           | 3°36          | 19°42          | 25°34          | 26°47          | 24°28          | 8°53          | W17  |
| T 18 | 23 43 54 | 24° 8'14         | 27° 3          | 19°16           | 5°48           | 8°23           | 7°51  | 21°15          | 17°28           | 3°37          | 19°42          | 25°30          | 26°44          | 24°34          | 8°53          | T 18 |
| F 19 | 23 47 51 | 25° 6'48         | 10 <b>Υ</b> 40 | 20°28           | 7° 2           | 9° 1           | 7°48  | 21°14          | 17°29           | 3°37          | 19°42          | 25°28          | 26°41          | 24°41          | 8°53          | F 19 |
| S 20 | 23 51 48 | 26° 5'24         | 24°29          | 21°39           | 8°16           | 9°38           | 7°45  | 21°13          | 17°31           | 3°38          | 19°R42         | 25°D27         | 26°38          | 24°48          | 8°53          | S 20 |
| S 21 | 23 55 44 | 27° 4'03         | 8 <b>8</b> 27  | 22°48           | 9°30           | 10°15          | 7°43  | 21°13          | 17°32           | 3°39          | 19°42          | 25°27          | 26°35          | 24°54          | 8°54          | S 21 |
| M22  | 23 59 41 | 28° 2'43         | 22°32          | 23°54           | 10°44          | 10°52          | 7°40  | 21°12          | 17°33           | 3°39          | 19°42          | 25°29          | 26°31          | 25° 1          | 8°54          | M22  |
| T 23 | 0 3 37   | 29° 1'26         | 6∏42           | 24°59           | 11°59          | 11°29          | 7°38  | 21°12          | 17°34           | 3°40          | 19°42          | 25°30          | 26°28          | 25° 8          | 8°55          | T 23 |
| W24  | 0 7 34   | 0 <b>요</b> 0'11  | 20°54          | 26° 1           | 13°13          | 12° 6          | 7°36  | 21°11          | 17°36           | 3°40          | 19°42          | 25°31          | 26°25          | 25°15          | 8°56          | W24  |
| T 25 | 0 11 30  | 0°58'59          | 599 6          | 27° 1           | 14°27          | 12°43          | 7°34  | 21°11          | 17°37           | 3°41          | 19°42          | 25°R31         | 26°22          | 25°21          | 8°56          | T 25 |
| F 26 | 0 15 27  | 1°57'49          | 19°16          | 27°59           | 15°42          | 13°19          | 7°32  | 21°D11         | 17°39           | 3°41          | 19°41          | 25°30          | 26°19          | 25°28          | 8°57          | F 26 |
| S 27 | 0 19 23  | 2°56'41          | 3 <b>Ω</b> 21  | 28°53           | 16°56          | 13°56          | 7°30  | 21°11          | 17°40           | 3°41          | 19°41          | 25°29          | 26°15          | 25°35          | 8°58          | S 27 |
| S 28 | 0 23 20  | 3°55'35          | 17°20          | 29°45           | 18°11          | 14°33          | 7°29  | 21°11          | 17°42           | 3°42          | 19°41          | 25°26          | 26°12          | 25°41          | 8°59          | S 28 |
| M29  | 0 27 17  | 4°54'31          | 1 Mp 10        | 0 <b>M</b> .33  | 19°25          | 15° 9          | 7°28  | 2 <u>1</u> °11 | 17°43           | 3°42          | 19°41          | 25°23          | 26° 9          | 25°48          | 9° 0          | M29  |
| T 30 | 0 31 13  | 5 <b>≙</b> 53'30 | 14 <b>M</b> 47 | 1 <b>M</b> .18  | 20 <b>m</b> 40 | 15 <b>Ω</b> 46 | 7≈27  | 21 <b>궁</b> 12 | 17 <b>×7</b> 45 | 3 <b>9</b> 42 | 19 <b>Ⅱ</b> 41 | 25 <b>≏</b> 20 | 26 <b>♀</b> 6  | 25 <b>₹</b> 55 | 9 <b>ට</b> 2  | T 30 |

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OCTOBER 1902 00:00 UT

| Day  | Sid.t   | $\odot$           | D               | φ              | φ              | ď              | 4             | ħ              | )∤(             | ¥     | P .            | ß              | Ω              | Ç              | Š              | Day  |
|------|---------|-------------------|-----------------|----------------|----------------|----------------|---------------|----------------|-----------------|-------|----------------|----------------|----------------|----------------|----------------|------|
| W 1  | 0 35 10 | 6₽52'31           | 28 <b>m</b> )10 | 1 <b>M</b> .58 | 21 m/54        | 16 <b>Ω</b> 22 | 7°R26         | 21 <b>궁</b> 12 | 17 <b>.7</b> 47 | 39543 | 19°R41         | 25°R18         | 26 <b>♀</b> 3  | 26 <b>×</b> 2  | 9 <b>ට</b> 3   | W 1  |
| T 2  | 0 39 6  | 7°51'33           | 11 <u>0</u> 18  | 2°35           | 23° 9          | 16°59          | 7≈25          | 21°13          | 17°48           | 3°43  | 19 <b>Ⅱ</b> 40 | 25 <b>₽</b> 16 | 26° 0          | 26° 8          | 9° 4           | T 2  |
| F 3  | 0 43 3  | 8°50'38           | 24° 9           | 3° 7           | 24°23          | 17°35          | 7°25          | 21°13          | 17°50           | 3°43  | 19°40          | 25°D16         | 25°56          | 26°15          | 9° 6           | F 3  |
| S 4  | 0 46 59 | 9°49'45           | 6 <b>M</b> .43  | 3°34           | 25°38          | 18°11          | 7°D25         | 21°14          | 17°52           | 3°43  | 19°40          | 25°16          | 25°53          | 26°22          | 9° 7           | S 4  |
| S 5  | 0 50 56 | 10°48'54          | 19° 3           | 3°55           | 26°53          | 18°48          | 7°25          | 21°15          | 17°54           | 3°43  | 19°39          | 25°17          | 25°50          | 26°28          | 9° 9           | S 5  |
| M 6  | 0 54 52 | 11°48'04          | 1 <b>才</b> 10   | 4°11           | 28° 8          | 19°24          | 7°25          | 21°16          | 17°56           | 3°43  | 19°39          | 25°18          | 25°47          | 26°35          | 9°10           | M 6  |
| T 7  | 0 58 49 | 12°47'17          | 13° 8           | 4°20           | 29°22          | 20° 0          | 7°25          | 21°17          | 17°58           | 3°43  | 19°39          | 25°20          | 25°44          | 26°42          | 9°12           | T 7  |
| W 8  | 1 2 45  | 13°46'31          | 25° 1           | 4°R22          | 0 <b>ჲ</b> 37  | 20°36          | 7°26          | 21°18          | 18° 0           | 3°R43 | 19°38          | 25°21          | 25°40          | 26°48          | 9°14           | W 8  |
| T 9  | 1 6 42  | 14°45'47          | 6 <b>る</b> 52   | 4°17           | 1°52           | 21°12          | 7°27          | 21°19          | 18° 2           | 3°43  | 19°38          | 25°21          | 25°37          | 26°55          | 9°16           | T 9  |
| F 10 | 1 10 39 | 15°45'05          | 18°48           | 4° 5           | 3° 7           | 21°48          | 7°28          | 21°20          | 18° 4           | 3°43  | 19°38          | 25°R21         | 25°34          | 27° 2          | 9°18           | F 10 |
| S 11 | 1 14 35 | 16°44'25          | 0≈51            | 3°44           | 4°22           | 22°23          | 7°29          | 21°22          | 18° 6           | 3°43  | 19°37          | 25°21          | 25°31          | 27° 9          | 9°20           | S 11 |
| S 12 | 1 18 32 | 17°43'46          | 13° 8           | 3°15           | 5°36           | 22°59          | 7°30          | 21°23          | 18° 8           | 3°43  | 19°37          | 25°20          | 25°28          | 27°15          | 9°22           | S 12 |
| M13  | 1 22 28 | 18°43'10          | 25°41           | 2°38           | 6°51           | 23°35          | 7°32          | 21°25          | 18°11           | 3°43  | 19°36          | 25°19          | 25°25          | 27°22          | 9°24           | M13  |
| T 14 | 1 26 25 | 19°42'35          | 8 <b>) (</b> 34 | 1°52           | 8° 6           | 24°10          | 7°34          | 21°26          | 18°13           | 3°43  | 19°36          | 25°19          | 25°21          | 27°29          | 9°26           | T 14 |
| W15  | 1 30 21 | 20°42'01          | 21°49           | 0°59           | 9°21           | 24°46          | 7°36          | 21°28          | 18°15           | 3°42  | 19°35          | 25°18          | 25°18          | 27°35          | 9°29           | W15  |
| T 16 | 1 34 18 | 21°41'30          | 5 <b>Υ</b> 26   | 29 <b>≙</b> 59 | 10°36          | 25°21          | 7°38          | 21°30          | 18°18           | 3°42  | 19°35          | 25°18          | 25°15          | 27°42          | 9°31           | T 16 |
| F 17 | 1 38 14 | 22°41'01          | 19°23           | 28°53          | 11°51          | 25°56          | 7°40          | 21°32          | 18°20           | 3°42  | 19°34          | 25°D18         | 25°12          | 27°49          | 9°34           | F 17 |
| S 18 | 1 42 11 | 23°40'33          | 3 <b>8</b> 38   | 27°42          | 13° 6          | 26°32          | 7°43          | 21°34          | 18°22           | 3°42  | 19°34          | 25°18          | 25° 9          | 27°55          | 9°36           | S 18 |
| S 19 | 1 46 8  | 24°40'08          | 18° 4           | 26°28          | 14°21          | 27° 7          | 7°46          | 21°36          | 18°25           | 3°41  | 19°33          | 25°18          | 25° 6          | 28° 2          | 9°39           | S 19 |
| M20  | 1 50 4  | 25°39'45          | 2Ⅲ38            | 25°14          | 15°36          | 27°42          | 7°49          | 21°39          | 18°27           | 3°41  | 19°32          | 25°R18         | 25° 2          | 28° 9          | 9°41           | M20  |
| T 21 | 1 54 1  | 26°39'24          | 17°12           | 24° 1          | 16°51          | 28°17          | 7°52          | 21°41          | 18°30           | 3°40  | 19°32          | 25°17          | 24°59          | 28°16          | 9°44           | T 21 |
| W22  | 1 57 57 | 27°39'06          | 19542           | 22°51          | 18° 6          | 28°52          | 7°55          | 21°43          | 18°33           | 3°40  | 19°31          | 25°17          | 24°56          | 28°22          | 9°47           | W22  |
| T 23 | 2 1 54  | 28°38'49          | 16° 3           | 21°47          | 19°21          | 29°27          | 7°59          | 21°46          | 18°35           | 3°39  | 19°31          | 25°17          | 24°53          | 28°29          | 9°50           | T 23 |
| F 24 | 2 5 50  | 29°38'35          | 0Ω12            | 20°51          | 20°36          | 0 m/ 2         | 8° 2          | 21°49          | 18°38           | 3°39  | 19°30          | 25°D17         | 24°50          | 28°36          | 9°53           | F 24 |
| S 25 | 2 9 47  | 0 <b>M</b> .38'24 | 14° 8           | 20° 3          | 21°52          | 0°36           | 8° 6          | 21°51          | 18°41           | 3°38  | 19°29          | 25°17          | 24°46          | 28°42          | 9°56           | S 25 |
| S 26 | 2 13 43 | 1°38'14           | 27°48           | 19°27          | 23° 7          | 1°11           | 8°10          | 21°54          | 18°43           | 3°38  | 19°28          | 25°18          | 24°43          | 28°49          | 9°59           | S 26 |
| M27  | 2 17 40 | 2°38'07           | 11 <b>m</b> 15  | 19° 1          | 24°22          | 1°45           | 8°15          | 21°57          | 18°46           | 3°37  | 19°28          | 25°18          | 24°40          | 28°56          | 10° 2          | M27  |
| T 28 | 2 21 37 | 3°38'02           | 24°27           | 18°46          | 25°37          | 2°20           | 8°19          | 22° 0          | 18°49           | 3°37  | 19°27          | 25°19          | 24°37          | 29° 3          | 10° 6          | T 28 |
| W29  | 2 25 33 | 4°37'58           | 7 <u>₽</u> 25   | 18°D44         | 26°52          | 2°54           | 8°24          | 22° 3          | 18°52           | 3°36  | 19°26          | 25°20          | 24°34          | 29° 9          | 10° 9          | W29  |
| T 30 | 2 29 30 | 5°37'57           | 20°10           | 18°52          | 28° 8          | 3°29           | 8°28          | 22° 6          | 18°55           | 3°35  | 19°25          | 25°R20         | 24°31          | 29°16          | 10°12          | T 30 |
| F 31 | 2 33 26 | 6 <b>M</b> 37'58  | 2 <b>M</b> 43   | 19 <b>₽</b> 11 | 29 <b>₾</b> 23 | 4Mp 3          | 8 <b>≈</b> 33 | 22 <b>궁</b> 10 | 18 <b>₹</b> 58  | 3934  | 19 <b>Ⅱ</b> 25 | 25 <b>≏</b> 20 | 24 <b>≏</b> 27 | 29 <b>×</b> 23 | 10 <b>궁</b> 16 | F 31 |

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NOVEMBER 1902 00:00 UT

| Day  | Sid.t   | 0                 | D               | ğ               | φ              | ð              | 4             | ħ              | )ұ(             | ¥            | В              | n              | ß              | Ç              | , k            | Day  |
|------|---------|-------------------|-----------------|-----------------|----------------|----------------|---------------|----------------|-----------------|--------------|----------------|----------------|----------------|----------------|----------------|------|
| S 1  | 2 37 23 | 7 <b>M</b> L38'01 | 15 <b>M</b> 5   | 19 <b>≏</b> 39  | 0 <b>M</b> .38 | 4 <b>M</b> 37  | 8 <b>≈</b> 39 | 22 <b>궁</b> 13 | 19 <b>×</b> 7 1 | 3°R34        | 19°R24         | 25°R19         | 24 <b>≏</b> 24 | 29 <b>×</b> 29 | 10 <b>ට</b> 19 | S 1  |
| S 2  | 2 41 19 | 8°38'06           | 27°16           | 20°17           | 1°53           | 5°11           | 8°44          | 22°16          | 19° 3           | 3933         | 19 <b>Ⅲ</b> 23 | 25 <b>≏</b> 18 | 24°21          | 29°36          | 10°23          | S 2  |
| M 3  | 2 45 16 | 9°38'13           | 9 <b>∡</b> 18   | 21° 3           | 3° 9           | 5°45           | 8°49          | 22°20          | 19° 6           | 3°32         | 19°22          | 25°16          | 24°18          | 29°43          | 10°27          | M 3  |
| T 4  | 2 49 12 | 10°38'21          | 21°14           | 21°57           | 4°24           | 6°18           | 8°55          | 22°23          | 19°10           | 3°31         | 19°21          | 25°14          | 24°15          | 29°50          | 10°30          | T 4  |
| W 5  | 2 53 9  | 11°38'31          | 3 <b>ප</b> 6    | 22°57           | 5°39           | 6°52           | 9° 1          | 22°27          | 19°13           | 3°30         | 19°20          | 25°11          | 24°12          | 29°56          | 10°34          | W 5  |
| T 6  | 2 57 6  | 12°38'43          | 14°56           | 24° 2           | 6°55           | 7°26           | 9° 7          | 22°31          | 19°16           | 3°29         | 19°19          | 25° 9          | 24° 8          | 0중 3           | 10°38          | T 6  |
| F 7  | 3 1 2   | 13°38'56          | 26°50           | 25°13           | 8°10           | 7°59           | 9°13          | 22°35          | 19°19           | 3°28         | 19°19          | 25° 7          | 24° 5          | 0°10           | 10°42          | F 7  |
| S 8  | 3 4 59  | 14°39'10          | 8 <b>≈</b> 51   | 26°28           | 9°25           | 8°33           | 9°20          | 22°39          | 19°22           | 3°27         | 19°18          | 25° 6          | 24° 2          | 0°16           | 10°46          | S 8  |
| S 9  | 3 8 55  | 15°39'26          | 21° 3           | 27°46           | 10°41          | 9° 6           | 9°26          | 22°43          | 19°25           | 3°26         | 19°17          | 25°D 6         | 23°59          | 0°23           | 10°50          | S 9  |
| M10  | 3 12 52 | 16°39'44          | 3 <b>∺</b> 32   | 29° 7           | 11°56          | 9°39           | 9°33          | 22°47          | 19°28           | 3°25         | 19°16          | 25° 7          | 23°56          | 0°30           | 10°54          | M10  |
| T 11 | 3 16 48 | 17°40'03          | 16°22           | 0 <b>M</b> .31  | 13°11          | 10°12          | 9°40          | 22°51          | 19°31           | 3°24         | 19°15          | 25° 8          | 23°52          | 0°37           | 10°58          | T 11 |
| W12  | 3 20 45 | 18°40'23          | 29°35           | 1°57            | 14°27          | 10°45          | 9°47          | 22°55          | 19°35           | 3°23         | 19°14          | 25°10          | 23°49          | 0°43           | 11° 2          | W12  |
| T 13 | 3 24 41 | 19°40'45          | 13 <b>Y</b> 16  | 3°25            | 15°42          | 11°18          | 9°54          | 23° 0          | 19°38           | 3°22         | 19°13          | 25°11          | 23°46          | 0°50           | 11° 6          | T 13 |
| F 14 | 3 28 38 | 20°41'08          | 27°22           | 4°55            | 16°57          | 11°51          | 10° 1         | 23° 4          | 19°41           | 3°21         | 19°12          | 25°R12         | 23°43          | 0°57           | 11°11          | F 14 |
| S 15 | 3 32 34 | 21°41'33          | 11 <b>8</b> 52  | 6°25            | 18°13          | 12°23          | 10° 8         | 23° 9          | 19°45           | 3°20         | 19°11          | 25°11          | 23°40          | 1° 3           | 11°15          | S 15 |
| S 16 | 3 36 31 | 22°42'00          | 26°41           | 7°57            | 19°28          | 12°56          | 10°16         | 23°13          | 19°48           | 3°19         | 19°10          | 25° 8          | 23°37          | 1°10           | 11°19          | S 16 |
| M17  | 3 40 28 | 23°42'28          | 11 <b>Ⅱ</b> 42  | 9°29            | 20°43          | 13°28          | 10°24         | 23°18          | 19°51           | 3°17         | 19° 9          | 25° 5          | 23°33          | 1°17           | 11°24          | M17  |
| T 18 | 3 44 24 | 24°42'57          | 26°44           | 11° 2           | 21°59          | 14° 1          | 10°32         | 23°23          | 19°55           | 3°16         | 19°8           | 25° 1          | 23°30          | 1°24           | 11°28          | T 18 |
| W19  | 3 48 21 | 25°43'29          | 11939           | 12°36           | 23°14          | 14°33          | 10°40         | 23°27          | 19°58           | 3°15         | 19° 7          | 24°56          | 23°27          | 1°30           | 11°33          | W19  |
| T 20 | 3 52 17 | 26°44'02          | 26°20           | 14°10           | 24°30          | 15° 5          | 10°48         | 23°32          | 20° 1           | 3°14         | 19° 6          | 24°53          | 23°24          | 1°37           | 11°37          | T 20 |
| F 21 | 3 56 14 | 27°44'37          | 10 <b>Ω</b> 40  | 15°44           | 25°45          | 15°37          | 10°56         | 23°37          | 20° 5           | 3°12         | 19° 5          | 24°50          | 23°21          | 1°44           | 11°42          | F 21 |
| S 22 | 4 0 10  | 28°45'14          | 24°38           | 17°18           | 27° 1          | 16° 8          | 11° 5         | 23°42          | 20° 8           | 3°11         | 19° 3          | 24°D49         | 23°18          | 1°50           | 11°47          | S 22 |
| S 23 | 4 4 7   | 29°45'52          | 8 <b>m</b> 13   | 18°52           | 28°16          | 16°40          | 11°13         | 23°47          | 20°12           | 3°10         | 19° 2          | 24°49          | 23°14          | 1°57           | 11°51          | S 23 |
| M24  | 4 8 3   | 0 <b>∡</b> 46'32  | 21°27           | 20°27           | 29°31          | 17°12          | 11°22         | 23°52          | 20°15           | 3° 8         | 19° 1          | 24°50          | 23°11          | 2° 4           | 11°56          | M24  |
| T 25 | 4 12 0  | 1°47'14           | 4 <b>₾</b> 23   | 22° 2           | 0 <b>∡</b> 747 | 17°43          | 11°31         | 23°58          | 20°19           | 3° 7         | 19° 0          | 24°52          | 23° 8          | 2°11           | 12° 1          | T 25 |
| W26  | 4 15 57 | 2°47'58           | 17° 2           | 23°36           | 2° 2           | 18°14          | 11°40         | 24° 3          | 20°22           | 3° 6         | 18°59          | 24°53          | 23° 5          | 2°17           | 12° 6          | W26  |
| T 27 | 4 19 53 | 3°48'42           | 29°29           | 25°11           | 3°18           | 18°46          | 11°49         | 24° 8          | 20°26           | 3° 4         | 18°58          | 24°R53         | 23° 2          | 2°24           | 12°11          | T 27 |
| F 28 | 4 23 50 | 4°49'29           | 11 <b>ML</b> 45 | 26°45           | 4°33           | 19°16          | 11°59         | 24°14          | 20°29           | 3° 3         | 18°57          | 24°52          | 22°58          | 2°31           | 12°16          | F 28 |
| S 29 | 4 27 46 | 5°50'17           | 23°53           | 28°20           | 5°49           | 19°47          | 12° 8         | 24°19          | 20°33           | 3° 1         | 18°56          | 24°48          | 22°55          | 2°37           | 12°21          | S 29 |
| S 30 | 4 31 43 | 6 <b>₹</b> 51'06  | 5 <b>₹</b> 54   | 29 <b>M</b> .54 | 7 <b>√</b> 4   | 20 <b>M</b> 18 | 12≈18         | 24 <b>ට</b> 25 | 20 <b>∡</b> 36  | 3 <b>9</b> 0 | 18 <b>Ⅱ</b> 55 | 24 <b>≏</b> 42 | 22 <b>≏</b> 52 | 2 <b>ප්</b> 44 | 12 <b>る</b> 26 | S 30 |

Delta T = 1.80 sec

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| Day        | Sid.t              | 0                    | D                      | φ              | φ                          | ♂               | 4              | ħ              | ) <del>/</del> ( | ¥            | Р               | v              | ಬ              | Ç              | <del>к</del> 0 | Day        |
|------------|--------------------|----------------------|------------------------|----------------|----------------------------|-----------------|----------------|----------------|------------------|--------------|-----------------|----------------|----------------|----------------|----------------|------------|
| M 1        | 4 35 39            | 7 <b>.</b> ₹51'56    | 17 <b>×7</b> 51        | 1 <b>~</b> 129 | 8 <b>×</b> <sup>7</sup> 20 | 20 <b>m</b> /49 | 12≈27          | 24 <b>궁</b> 30 | 20 <b>х</b> 40   | 2°R58        | 18°R53          | 24°R35         | 22 <b>£</b> 49 | 2 <b>ප්</b> 51 | 12 <b>る</b> 31 | M 1        |
| T 2        | 4 39 36            | 8°52'48              | 29°44                  | 3° 3           | 9°35                       | 21°19           | 12°37          | 24°36          | 20°44            | 2957         | 18 <b>Ⅱ</b> 52  | 24 <b>Ω</b> 26 | 22°46          | 2°58           | 12°36          | T 2        |
| W 3        | 4 43 33            | 9°53'40              | 11 <b>궁</b> 35         | 4°37           | 10°51                      | 21°49           | 12°47          | 24°41          | 20°47            | 2°55         | 18°51           | 24°17          | 22°43          | 3° 4           | 12°41          | W 3        |
| T 4        | 4 47 29            | 10°54'34             | 23°26                  | 6°11           | 12° 6                      | 22°19           | 12°57          | 24°47          | 20°51            | 2°54         | 18°50           | 24° 8          | 22°39          | 3°11           | 12°46          | T 4        |
| F 5<br>S 6 | 4 51 26<br>4 55 22 | 11°55'28<br>12°56'23 | 5 <b>≈</b> 20<br>17°19 | 7°46<br>9°20   | 13°22<br>14°37             | 22°49<br>23°19  | 13° 7<br>13°18 | 24°53<br>24°59 | 20°54<br>20°58   | 2°52<br>2°51 | 18°49<br>18°48  | 24° 0<br>23°55 | 22°36<br>22°33 | 3°18<br>3°24   | 12°51<br>12°56 | F 5<br>S 6 |
|            |                    |                      |                        |                |                            |                 |                |                |                  |              |                 |                |                |                |                |            |
| S 7        | 4 59 19            | 13°57'19             | 29°29                  | 10°54          | 15°53                      | 23°48           | 13°28          | 25° 5          | 21° 2            | 2°49         | 18°47           | 23°51          | 22°30          | 3°31           | 13° 2          | S 7        |
| M 8        | 5 3 15             | 14°58'16             | 11 <b>米</b> 52         | 12°28          | 17° 8                      | 24°18           | 13°39          | 25°11          | 21° 5            | 2°47         | 18°45           | 23°D50         | 22°27          | 3°38           | 13° 7          | M 8        |
| T 9<br>W10 | 5 7 12<br>5 11 8   | 15°59'13<br>17° 0'11 | 24°34<br>7 <b>Ƴ</b> 39 | 14° 2<br>15°36 | 18°23<br>19°39             | 24°47<br>25°16  | 13°49<br>14° 0 | 25°17<br>25°23 | 21° 9<br>21°13   | 2°46<br>2°44 | 18°44<br>18°43  | 23°50<br>23°51 | 22°23<br>22°20 | 3°45<br>3°51   | 13°12<br>13°18 | T 9<br>W10 |
| T 11       | 5 15 5             | 17 011<br>18° 1'10   | 21°11                  | 13°30          | 20°54                      | 25°45           | 14°11          | 25°29          | 21°16            | 2°42         | 18°42           | 23°R52         | 22°17          | 3°58           | 13°23          | T 11       |
| F 12       | 5 19 1             | 19° 2'09             | 5812                   | 18°45          | 20°10                      | 26°14           | 14°22          | 25°35          | 21°20            | 2°41         | 18°41           | 23°51          | 22°14          | 4° 5           | 13°28          | F 12       |
| S 13       | 5 22 58            | 20° 3'09             | 19°42                  | 20°19          | 23°25                      | 26°42           | 14°33          | 25°41          | 21°24            | 2°39         | 18°40           | 23°49          | 22°11          | 4°11           | 13°34          | S 13       |
| S 14       | 5 26 55            | 21° 4'09             | 4 <b>Ⅱ</b> 37          | 21°54          | 24°41                      | 27°10           | 14°44          | 25°48          | 21°27            | 2°38         | 18°38           | 23°44          | 22° 8          | 4°18           | 13°39          | S 14       |
| M15        | 5 30 51            | 21° 409<br>22° 5'10  | 19°50                  | 23°28          | 25°56                      | 27°38           | 14°55          | 25°54          | 21°31            | 2°36         | 18°37           | 23°36          | 22° 4          | 4°25           | 13°45          | M15        |
| T 16       | 5 34 48            | 23° 6'12             | 59510                  | 25° 3          | 27°12                      | 28° 6           | 15° 6          | 26° 0          | 21°35            | 2°34         | 18°36           | 23°27          | 22° 1          | 4°32           | 13°50          | T 16       |
| W17        | 5 38 44            | 24° 7'15             | 20°26                  | 26°38          | 28°27                      | 28°34           | 15°18          | 26° 7          | 21°38            | 2°33         | 18°35           | 23°18          | 21°58          | 4°38           | 13°56          | W17        |
| T 18       | 5 42 41            | 25° 8'18             | 5 <b>Ω</b> 28          | 28°13          | 29°43                      | 29° 2           | 15°29          | 26°13          | 21°42            | 2°31         | 18°34           | 23° 9          | 21°55          | 4°45           | 14° 1          | T 18       |
| F 19       | 5 46 37            | 26° 9'22             | 20° 6                  | 29°48          | 0 <b>궁</b> 58              | 29°29           | 15°41          | 26°19          | 21°45            | 2°29         | 18°33           | 23° 2          | 21°52          | 4°52           | 14° 7          | F 19       |
| S 20       | 5 50 34            | 27°10'27             | 4 <b>M</b> p 17        | 1 <b>る</b> 23  | 2°14                       | 29°56           | 15°53          | 26°26          | 21°49            | 2°27         | 18°31           | 22°57          | 21°49          | 4°58           | 14°12          | S 20       |
| S 21       | 5 54 31            | 28°11'33             | 17°59                  | 2°59           | 3°29                       | 0 <b>ჲ</b> 23   | 16° 5          | 26°32          | 21°53            | 2°26         | 18°30           | 22°55          | 21°45          | 5° 5           | 14°18          | S 21       |
| M22        | 5 58 27            | 29°12'39             | 1 <b>≏</b> 13          | 4°35           | 4°44                       | 0°50            | 16°17          | 26°39          | 21°56            | 2°24         | 18°29           | 22°D54         | 21°42          | 5°12           | 14°24          | M22        |
| T 23       | 6 2 24             | 0 <b>궁</b> 13'46     | 14° 4                  | 6°10           | 6° 0                       | 1°16            | 16°29          | 26°46          | 22° 0            | 2°22         | 18°28           | 22°55          | 21°39          | 5°19           | 14°29          | T 23       |
| W24        | 6 6 20             | 1°14'54              | 26°35                  | 7°46           | 7°15                       | 1°42            | 16°41          | 26°52          | 22° 4            | 2°21         | 18°27           | 22°R55         | 21°36          | 5°25           | 14°35          | W24        |
| T 25       | 6 10 17            | 2°16'03              | 8M.51                  | 9°23           | 8°31                       | 2° 8            | 16°53          | 26°59          | 22° 7            | 2°19         | 18°26           | 22°53          | 21°33          | 5°32           | 14°41          | T 25       |
| F 26       | 6 14 13            | 3°17'12              | 20°56                  | 10°59          | 9°46                       | 2°34            | 17° 5          | 27° 6          | 22°11            | 2°17         | 18°25           | 22°50          | 21°29          | 5°39           | 14°46          | F 26       |
| S 27       | 6 18 10            | 4°18'22              | 2 <b>,7</b> 54         | 12°36          | 11° 2                      | 2°59            | 17°17          | 27°12          | 22°14            | 2°16         | 18°24           | 22°43          | 21°26          | 5°45           | 14°52          | S 27       |
| S 28       | 6 22 6             | 5°19'32              | 14°48                  | 14°13          | 12°17                      | 3°24            | 17°30          | 27°19          | 22°18            | 2°14         | 18°22           | 22°34          | 21°23          | 5°52           | 14°58          | S 28       |
| M29        | 6 26 3             | 6°20'42              | 26°40                  | 15°49          | 13°33                      | 3°49            | 17°42          | 27°26          | 22°22            | 2°12         | 18°21           | 22°21          | 21°20          | 5°59           | 15° 3          | M29        |
| T 30       | 6 30 0             | 7°21'53              | 8중32                   | 17°26          | 14°48                      | 4°14            | 17°55          | 27°33          | 22°25            | 2°10         | 18°20           | 22° 7          | 21°17          | 6° 6           | 15° 9          | T 30       |
| W31        | 6 33 56            | 8 <b>궁</b> 23'04     | 20 <b>る</b> 25         | 19 <b>る</b> 3  | 16 <b>궁</b> 3              | 4 <b>₾</b> 38   | 18 <b>∞</b> 7  | 27 <b>る</b> 40 | 22 <b>×</b> 29   | 299 9        | 18 <b>I</b> I19 | 21 <b>≏</b> 53 | 21 <b>≏</b> 14 | 6 <b>ට</b> 12  | 15 <b>る</b> 15 | W31        |

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| Day  | Sid.t   | 0                | D               | ğ              | Q              | ð              | 4     | ħ              | )Å(                        | 卉             | Р              | ₽.             | v              | ţ             | Q<br>K         | Day  |
|------|---------|------------------|-----------------|----------------|----------------|----------------|-------|----------------|----------------------------|---------------|----------------|----------------|----------------|---------------|----------------|------|
| T 1  | 6 37 53 | 9 <b>ට</b> 24'15 | 2≈19            | 20중40          | 17 <b>る</b> 19 | 5 <b>₾</b> 2   | 18≈20 | 27 <b>3</b> 47 | 22 <b>×</b> 32             | 2°R 7         | 18°R18         | 21°R38         | 21 <b>≏</b> 10 | 6 <b>ට</b> 19 | 15 <b>る</b> 20 | T 1  |
| F 2  | 6 41 49 | 10°25'26         | 14°18           | 22°17          | 18°34          | 5°26           | 18°33 | 27°54          | 22°36                      | 2 <b>95</b> 5 | 18 <b>Ⅲ</b> 17 | 21 <b>≏</b> 26 | 21° 7          | 6°26          | 15°26          | F 2  |
| S 3  | 6 45 46 | 11°26'36         | 26°22           | 23°54          | 19°50          | 5°50           | 18°46 | 28° 0          | 22°39                      | 2° 4          | 18°16          | 21°15          | 21° 4          | 6°32          | 15°32          | S 3  |
| S 4  | 6 49 42 | 12°27'47         | 8 <b>)</b> €34  | 25°31          | 21° 5          | 6°13           | 18°59 | 28° 7          | 22°43                      | 2° 2          | 18°15          | 21° 8          | 21° 1          | 6°39          | 15°38          | S 4  |
| M 5  | 6 53 39 | 13°28'57         | 20°57           | 27° 7          | 22°21          | 6°36           | 19°12 | 28°14          | 22°46                      | 2° 0          | 18°14          | 21° 4          | 20°58          | 6°46          | 15°43          | M 5  |
| T 6  | 6 57 35 | 14°30'07         | 3 <b>Ƴ</b> 35   | 28°43          | 23°36          | 6°58           | 19°25 | 28°21          | 22°50                      | 1°59          | 18°13          | 21° 2          | 20°55          | 6°53          | 15°49          | T 6  |
| W 7  | 7 1 32  | 15°31'16         | 16°34           | 0≈18           | 24°51          | 7°21           | 19°38 | 28°28          | 22°53                      | 1°57          | 18°12          | 21° 2          | 20°51          | 6°59          | 15°55          | W 7  |
| T 8  | 7 5 29  | 16°32'25         | 29°55           | 1°52           | 26° 7          | 7°43           | 19°51 | 28°35          | 22°57                      | 1°55          | 18°11          | 21° 2          | 20°48          | 7° 6          | 16° 0          | T 8  |
| F 9  | 7 9 25  | 17°33'34         | 13 <b>8</b> 43  | 3°25           | 27°22          | 8° 4           | 20° 4 | 28°42          | 23° 0                      | 1°54          | 18°10          | 21° 1          | 20°45          | 7°13          | 16° 6          | F 9  |
| S 10 | 7 13 22 | 18°34'42         | 28° 0           | 4°57           | 28°37          | 8°25           | 20°18 | 28°49          | 23° 3                      | 1°52          | 18° 9          | 20°57          | 20°42          | 7°20          | 16°12          | S 10 |
| S 11 | 7 17 18 | 19°35'49         | 12∏43           | 6°26           | 29°53          | 8°46           | 20°31 | 28°57          | 23° 7                      | 1°51          | 18° 8          | 20°51          | 20°39          | 7°26          | 16°18          | S 11 |
| M12  | 7 21 15 | 20°36'57         | 27°48           | 7°54           | 1≈ 8           | 9° 7           | 20°44 | 29° 4          | 23°10                      | 1°49          | 18° 7          | 20°42          | 20°35          | 7°33          | 16°23          | M12  |
| T 13 | 7 25 11 | 21°38'03         | 1395 6          | 9°20           | 2°23           | 9°27           | 20°58 | 29°11          | 23°13                      | 1°47          | 18° 6          | 20°31          | 20°32          | 7°40          | 16°29          | T 13 |
| W14  | 7 29 8  | 22°39'09         | 28°26           | 10°42          | 3°39           | 9°47           | 21°11 | 29°18          | 23°17                      | 1°46          | 18° 5          | 20°19          | 20°29          | 7°46          | 16°35          | W14  |
| T 15 | 7 33 4  | 23°40'15         | $13\Omega 37$   | 12° 1          | 4°54           | 10° 7          | 21°25 | 29°25          | 23°20                      | 1°44          | 18° 4          | 20° 8          | 20°26          | 7°53          | 16°40          | T 15 |
| F 16 | 7 37 1  | 24°41'21         | 28°27           | 13°15          | 6° 9           | 10°26          | 21°38 | 29°32          | 23°23                      | 1°43          | 18° 3          | 19°59          | 20°23          | 8° 0          | 16°46          | F 16 |
| S 17 | 7 40 58 | 25°42'26         | 12 <b>m</b> 51  | 14°25          | 7°25           | 10°44          | 21°52 | 29°39          | 23°27                      | 1°41          | 18° 2          | 19°52          | 20°20          | 8° 7          | 16°52          | S 17 |
| S 18 | 7 44 54 | 26°43'30         | 26°44           | 15°29          | 8°40           | 11° 3          | 22° 6 | 29°46          | 23°30                      | 1°40          | 18° 1          | 19°48          | 20°16          | 8°13          | 16°58          | S 18 |
| M19  | 7 48 51 | 27°44'35         | 10 <b>♀</b> 7   | 16°26          | 9°55           | 11°21          | 22°20 | 29°53          | 23°33                      | 1°38          | 18° 0          | 19°46          | 20°13          | 8°20          | 17° 3          | M19  |
| T 20 | 7 52 47 | 28°45'39         | 23° 2           | 17°16          | 11°10          | 11°38          | 22°33 | 0≈ 1           | 23°36                      | 1°37          | 18° 0          | 19°46          | 20°10          | 8°27          | 17° 9          | T 20 |
| W21  | 7 56 44 | 29°46'42         | 5 <b>M</b> 35   | 17°58          | 12°26          | 11°55          | 22°47 | 0° 8           | 23°39                      | 1°35          | 17°59          | 19°46          | 20° 7          | 8°33          | 17°14          | W21  |
| T 22 | 8 0 40  | 0≈47'46          | 17°50           | 18°31          | 13°41          | 12°12          | 23° 1 | 0°15           | 23°42                      | 1°34          | 17°58          | 19°45          | 20° 4          | 8°40          | 17°20          | T 22 |
| F 23 | 8 4 37  | 1°48'49          | 29°53           | 18°55          | 14°56          | 12°28          | 23°15 | 0°22           | 23°45                      | 1°32          | 17°57          | 19°42          | 20° 1          | 8°47          | 17°26          | F 23 |
| S 24 | 8 8 33  | 2°49'51          | 11 <b>,7</b> 47 | 19° 7          | 16°11          | 12°44          | 23°29 | 0°29           | 23°48                      | 1°31          | 17°56          | 19°36          | 19°57          | 8°54          | 17°31          | S 24 |
| S 25 | 8 12 30 | 3°50'53          | 23°38           | 19°R 9         | 17°26          | 12°59          | 23°43 | 0°36           | 23°51                      | 1°30          | 17°55          | 19°27          | 19°54          | 9° 0          | 17°37          | S 25 |
| M26  | 8 16 27 | 4°51'54          | 5 <b>云</b> 28   | 18°59          | 18°42          | 13°14          | 23°57 | 0°43           | 23°54                      | 1°28          | 17°55          | 19°15          | 19°51          | 9° 7          | 17°42          | M26  |
| T 27 | 8 20 23 | 5°52'55          | 17°21           | 18°38          | 19°57          | 13°28          | 24°11 | 0°50           | 23°57                      | 1°27          | 17°54          | 19° 2          | 19°48          | 9°14          | 17°48          | T 27 |
| W28  | 8 24 20 | 6°53'55          | 29°17           | 18° 5          | 21°12          | 13°42          | 24°25 | 0°58           | 24° 0                      | 1°26          | 17°53          | 18°48          | 19°45          | 9°20          | 17°53          | W28  |
| T 29 | 8 28 16 | 7°54'53          | 11≈18           | 17°22          | 22°27          | 13°55          | 24°39 | 1° 5           | 24° 3                      | 1°24          | 17°53          | 18°34          | 19°41          | 9°27          | 17°59          | T 29 |
| F 30 | 8 32 13 | 8°55'51          | 23°25           | 16°30          | 23°42          | 14° 8          | 24°53 | 1°12           | 24° 6                      | 1°23          | 17°52          | 18°21          | 19°38          | 9°34          | 18° 4          | F 30 |
| S 31 | 8 36 9  | 9≈56'48          | 5 <b>)</b> €40  | 15 <b>≈</b> 29 | 24≈57          | 14 <b>≏</b> 20 | 25≈ 8 | 1≈19           | 24 <b>×</b> <sup>7</sup> 9 | 19522         | 17 <b>Ⅱ</b> 51 | 18 <b>≏</b> 12 | 19 <b>≙</b> 35 | 9 <b>ප</b> 41 | 18 <b>궁</b> 10 | S 31 |

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FEBRUARY 1903 00:00 UT

| Day  | Sid.t    | 0                 | )                | φ      | φ              | ð              | 4              | ħ    | )ţ(            | ¥     | Р              | r              | Ω              | Ç              | Š.             | Day  |
|------|----------|-------------------|------------------|--------|----------------|----------------|----------------|------|----------------|-------|----------------|----------------|----------------|----------------|----------------|------|
| S 1  | 8 40 6   | 10≈57'44          | 18 <b>米</b> 3    | 14°R22 | 26≈12          | 14 <b>₽</b> 32 | 25≈22          | 1≈26 | 24 <b>×</b> 12 | 1°R20 | 17°R51         | 18°R 5         | 19 <b>≏</b> 32 | 9 <b>궁</b> 47  | 18 <b>ਰ</b> 15 | S 1  |
| M 2  | 8 44 2   | 11°58'38          | 0 <b>Υ</b> 36    | 13≈11  | 27°28          | 14°43          | 25°36          | 1°33 | 24°14          | 19519 | 17 <b>Ⅱ</b> 50 | 18 <b>♀</b> 1  | 19°29          | 9°54           | 18°20          | M 2  |
| T 3  | 8 47 59  | 12°59'31          | 13°22            | 11°58  | 28°43          | 14°53          | 25°50          | 1°40 | 24°17          | 1°18  | 17°49          | 17°D59         | 19°26          | 10° 1          | 18°26          | T 3  |
| W 4  | 8 51 56  | 14° 0'23          | 26°22            | 10°44  | 29°58          | 15° 3          | 26° 5          | 1°47 | 24°20          | 1°17  | 17°49          | 17°59          | 19°22          | 10° 8          | 18°31          | W 4  |
| T 5  | 8 55 52  | 15° 1'13          | 9 <b>8</b> 41    | 9°33   | 1 <b>米</b> 13  | 15°13          | 26°19          | 1°54 | 24°23          | 1°16  | 17°48          | 18°R 0         | 19°19          | 10°14          | 18°36          | T 5  |
| F 6  | 8 59 49  | 16° 2'02          | 23°21            | 8°25   | 2°28           | 15°22          | 26°33          | 2° 1 | 24°25          | 1°15  | 17°48          | 18° 0          | 19°16          | 10°21          | 18°42          | F 6  |
| S 7  | 9 3 45   | 17° 2'49          | 7 <b>Ⅱ</b> 23    | 7°23   | 3°43           | 15°30          | 26°47          | 2° 8 | 24°28          | 1°13  | 17°47          | 17°58          | 19°13          | 10°28          | 18°47          | S 7  |
| S 8  | 9 7 42   | 18° 3'35          | 21°48            | 6°26   | 4°57           | 15°37          | 27° 2          | 2°15 | 24°30          | 1°12  | 17°47          | 17°54          | 19°10          | 10°34          | 18°52          | S 8  |
| M 9  | 9 11 38  | 19° 4'19          | 6 <b>9</b> 32    | 5°37   | 6°12           | 15°44          | 27°16          | 2°22 | 24°33          | 1°11  | 17°46          | 17°47          | 19° 7          | 10°41          | 18°57          | M 9  |
| T 10 | 9 15 35  | 20° 5'02          | 21°30            | 4°56   | 7°27           | 15°51          | 27°31          | 2°29 | 24°35          | 1°10  | 17°46          | 17°39          | 19° 3          | 10°48          | 19° 2          | T 10 |
| W11  | 9 19 31  | 21° 5'43          | 6 <b>Ω</b> 34    | 4°23   | 8°42           | 15°56          | 27°45          | 2°36 | 24°38          | 1° 9  | 17°45          | 17°30          | 19° 0          | 10°55          | 19° 7          | W11  |
| T 12 | 9 23 28  | 22° 6'23          | 21°33            | 3°58   | 9°57           | 16° 1          | 27°59          | 2°43 | 24°40          | 1° 8  | 17°45          | 17°21          | 18°57          | 11° 1          | 19°12          | T 12 |
| F 13 | 9 27 25  | 23° 7'01          | 6 <b>M</b> p19   | 3°41   | 11°12          | 16° 6          | 28°14          | 2°50 | 24°42          | 1° 8  | 17°44          | 17°14          | 18°54          | 11°8           | 19°17          | F 13 |
| S 14 | 9 31 21  | 24° 7'38          | 20°43            | 3°32   | 12°26          | 16° 9          | 28°28          | 2°56 | 24°45          | 1° 7  | 17°44          | 17° 8          | 18°51          | 11°15          | 19°22          | S 14 |
| S 15 | 9 35 18  | 25° 8'14          | 4 <b>₽</b> 40    | 3°D30  | 13°41          | 16°12          | 28°43          | 3° 3 | 24°47          | 1° 6  | 17°44          | 17° 6          | 18°47          | 11°21          | 19°27          | S 15 |
| M16  | 9 39 14  | 26° 8'48          | 18°10            | 3°35   | 14°56          | 16°15          | 28°57          | 3°10 | 24°49          | 1° 5  | 17°43          | 17°D 5         | 18°44          | 11°28          | 19°32          | M16  |
| T 17 | 9 43 11  | 27° 9'21          | 1 <b>M</b> .13   | 3°47   | 16°11          | 16°16          | 29°12          | 3°17 | 24°51          | 1° 4  | 17°43          | 17° 5          | 18°41          | 11°35          | 19°37          | T 17 |
| W18  | 9 47 7   | 28° 9'53          | 13°53            | 4° 4   | 17°25          | 16°17          | 29°26          | 3°23 | 24°53          | 1° 3  | 17°43          | 17° 7          | 18°38          | 11°42          | 19°42          | W18  |
| T 19 | 9 51 4   | 29°10'24          | 26°13            | 4°28   | 18°40          | 16°R17         | 29°40          | 3°30 | 24°55          | 1° 3  | 17°42          | 17°R 8         | 18°35          | 11°48          | 19°47          | T 19 |
| F 20 | 9 55 0   | 0 <b>光</b> 10′53  | 8 <b>才</b> 18    | 4°57   | 19°55          | 16°17          | 29°55          | 3°37 | 24°57          | 1° 2  | 17°42          | 17° 7          | 18°32          | 11°55          | 19°51          | F 20 |
| S 21 | 9 58 57  | 1°11'21           | 20°14            | 5°30   | 21° 9          | 16°15          | 0 <b>∺</b> 9   | 3°43 | 24°59          | 1° 1  | 17°42          | 17° 5          | 18°28          | 12° 2          | 19°56          | S 21 |
| S 22 | 10 2 54  | 2°11'48           | 2 <b>ප</b> 5     | 6° 9   | 22°24          | 16°13          | 0°24           | 3°50 | 25° 1          | 1° 1  | 17°42          | 17° 1          | 18°25          | 12° 9          | 20° 1          | S 22 |
| M23  | 10 6 50  | 3°12'13           | 13°56            | 6°51   | 23°38          | 16°10          | 0°38           | 3°57 | 25° 3          | 1° 0  | 17°41          | 16°55          | 18°22          | 12°15          | 20° 5          | M23  |
| T 24 | 10 10 47 | 4°12'37           | 25°51            | 7°37   | 24°53          | 16° 6          | 0°53           | 4° 3 | 25° 5          | 0°59  | 17°41          | 16°47          | 18°19          | 12°22          | 20°10          | T 24 |
| W25  | 10 14 43 | 5°13'00           | 7≈51             | 8°27   | 26° 7          | 16° 2          | 1° 7           | 4°10 | 25° 7          | 0°59  | 17°41          | 16°39          | 18°16          | 12°29          | 20°14          | W25  |
| T 26 | 10 18 40 | 6°13'20           | 20° 0            | 9°20   | 27°22          | 15°57          | 1°22           | 4°16 | 25° 9          | 0°58  | 17°41          | 16°31          | 18°13          | 12°35          | 20°19          | T 26 |
| F 27 | 10 22 36 | 7°13'39           | 2 <b>)</b> 19    | 10°16  | 28°36          | 15°51          | 1°36           | 4°22 | 25°10          | 0°58  | 17°41          | 16°24          | 18° 9          | 12°42          | 20°23          | F 27 |
| S 28 | 10 26 33 | 8 <b>):</b> 13'57 | 14 <b>) (</b> 48 | 11≈15  | 29 <b>米</b> 51 | 15 <b>≏</b> 44 | 1 <b>)</b> €50 | 4≈29 | 25 <b>×</b> 12 | 0957  | 17 <b>Ⅱ</b> 41 | 16 <b>≏</b> 19 | 18 <b>♀</b> 6  | 12 <b>る</b> 49 | 20 <b>云</b> 28 | S 28 |

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| Day  | Sid.t    | 0                | D              | ğ              | φ             | ď              | 4            | ħ    | )∤(            | 卉     | Р              | ß              | v              | ţ              | ę<br>k         | Day  |
|------|----------|------------------|----------------|----------------|---------------|----------------|--------------|------|----------------|-------|----------------|----------------|----------------|----------------|----------------|------|
| S 1  | 10 30 29 | 9 <b>米</b> 14'12 | 27 <b>)</b> 28 | 12≈17          | 1 <b>Υ</b> 5  | 15°R36         | 2 <b>∺</b> 5 | 4≈35 | 25 <b>×</b> 14 | 0°R57 | 17°R41         | 16°R15         | 18 <b>₾</b> 3  | 12 <b>る</b> 56 | 20 <b>궁</b> 32 | S 1  |
| M 2  | 10 34 26 | 10°14'26         | 10 <b>Υ</b> 20 | 13°21          | 2°19          | 15 <b>≏</b> 28 | 2°19         | 4°41 | 25°15          | 0956  | 17 <b>Ⅱ</b> 41 | 16°D13         | 18° 0          | 13° 2          | 20°36          | M 2  |
| T 3  | 10 38 23 | 11°14'37         | 23°23          | 14°28          | 3°34          | 15°19          | 2°34         | 4°48 | 25°17          | 0°56  | 17°D41         | 16 <b>≏</b> 13 | 17°57          | 13° 9          | 20°40          | T 3  |
| W 4  | 10 42 19 | 12°14'47         | 6840           | 15°36          | 4°48          | 15° 9          | 2°48         | 4°54 | 25°18          | 0°56  | 17°41          | 16°15          | 17°53          | 13°16          | 20°44          | W 4  |
| T 5  | 10 46 16 | 13°14'55         | 20° 9          | 16°47          | 6° 2          | 14°58          | 3° 2         | 5° 0 | 25°20          | 0°55  | 17°41          | 16°16          | 17°50          | 13°22          | 20°48          | T 5  |
| F 6  | 10 50 12 | 14°15'00         | 3 <b>II</b> 53 | 18° 0          | 7°16          | 14°47          | 3°17         | 5° 6 | 25°21          | 0°55  | 17°41          | 16°18          | 17°47          | 13°29          | 20°53          | F 6  |
| S 7  | 10 54 9  | 15°15'04         | 17°51          | 19°14          | 8°30          | 14°34          | 3°31         | 5°12 | 25°22          | 0°55  | 17°41          | 16°R18         | 17°44          | 13°36          | 20°56          | S 7  |
| S 8  | 10 58 5  | 16°15'05         | 295 3          | 20°30          | 9°44          | 14°21          | 3°45         | 5°18 | 25°24          | 0°55  | 17°41          | 16°17          | 17°41          | 13°43          | 21° 0          | S 8  |
| M 9  | 11 2 2   | 17°15'04         | 16°27          | 21°48          | 10°58         | 14° 8          | 3°59         | 5°24 | 25°25          | 0°55  | 17°41          | 16°15          | 17°38          | 13°49          | 21° 4          | M 9  |
| T 10 | 11 5 58  | 18°15'01         | 0 <b>Ω</b> 59  | 23° 8          | 12°12         | 13°53          | 4°14         | 5°30 | 25°26          | 0°55  | 17°41          | 16°11          | 17°34          | 13°56          | 21° 8          | T 10 |
| W1 1 | 11 9 55  | 19°14'55         | 15°35          | 24°29          | 13°26         | 13°38          | 4°28         | 5°36 | 25°27          | 0°54  | 17°41          | 16° 7          | 17°31          | 14° 3          | 21°12          | W11  |
| T 12 | 11 13 51 | 20°14'48         | 0 <b>m</b> y 8 | 25°51          | 14°40         | 13°23          | 4°42         | 5°41 | 25°28          | 0°54  | 17°41          | 16° 4          | 17°28          | 14°10          | 21°15          | T 12 |
| F 13 | 11 17 48 | 21°14'38         | 14°31          | 27°15          | 15°54         | 13° 6          | 4°56         | 5°47 | 25°29          | 0°D54 | 17°42          | 16° 0          | 17°25          | 14°16          | 21°19          | F 13 |
| S 14 | 11 21 45 | 22°14'26         | 28°40          | 28°41          | 17° 8         | 12°49          | 5°10         | 5°53 | 25°30          | 0°54  | 17°42          | 15°58          | 17°22          | 14°23          | 21°23          | S 14 |
| S 15 | 11 25 41 | 23°14'13         | 12 <b>≏</b> 28 | 0 <b>∺</b> 8   | 18°22         | 12°31          | 5°25         | 5°58 | 25°31          | 0°54  | 17°42          | 15°D57         | 17°18          | 14°30          | 21°26          | S 15 |
| M16  | 11 29 38 | 24°13'57         | 25°55          | 1°36           | 19°35         | 12°13          | 5°39         | 6° 4 | 25°32          | 0°54  | 17°42          | 15°58          | 17°15          | 14°36          | 21°29          | M16  |
| T 17 | 11 33 34 | 25°13'40         | 8 <b>M</b> .59 | 3° 6           | 20°49         | 11°54          | 5°53         | 6° 9 | 25°33          | 0°55  | 17°43          | 15°59          | 17°12          | 14°43          | 21°33          | T 17 |
| W18  | 11 37 31 | 26°13'21         | 21°41          | 4°36           | 22° 3         | 11°35          | 6° 7         | 6°15 | 25°33          | 0°55  | 17°43          | 16° 0          | 17° 9          | 14°50          | 21°36          | W18  |
| T 19 | 11 41 27 | 27°13'00         | 4 <b>₹</b> 6   | 6° 9           | 23°16         | 11°15          | 6°21         | 6°20 | 25°34          | 0°55  | 17°43          | 16° 2          | 17° 6          | 14°57          | 21°39          | T 19 |
| F 20 | 11 45 24 | 28°12'38         | 16°15          | 7°42           | 24°30         | 10°54          | 6°35         | 6°26 | 25°35          | 0°55  | 17°44          | 16° 3          | 17° 3          | 15° 3          | 21°43          | F 20 |
| S 21 | 11 49 20 | 29°12'14         | 28°14          | 9°17           | 25°43         | 10°33          | 6°49         | 6°31 | 25°35          | 0°55  | 17°44          | 16°R 3         | 16°59          | 15°10          | 21°46          | S 21 |
| S 22 | 11 53 17 | 0 <b>Ƴ</b> 11'48 | 10중 8          | 10°53          | 26°57         | 10°12          | 7° 2         | 6°36 | 25°36          | 0°56  | 17°44          | 16° 3          | 16°56          | 15°17          | 21°49          | S 22 |
| M23  | 11 57 14 | 1°11'20          | 22° 0          | 12°31          | 28°10         | 9°50           | 7°16         | 6°41 | 25°36          | 0°56  | 17°45          | 16° 2          | 16°53          | 15°24          | 21°52          | M23  |
| T 24 | 12 1 10  | 2°10'51          | 3≈56           | 14° 9          | 29°24         | 9°28           | 7°30         | 6°46 | 25°37          | 0°56  | 17°45          | 16° 0          | 16°50          | 15°30          | 21°55          | T 24 |
| W25  | 12 5 7   | 3°10'19          | 16° 0          | 15°49          | 0 <b>8</b> 37 | 9° 6           | 7°44         | 6°51 | 25°37          | 0°57  | 17°46          | 15°58          | 16°47          | 15°37          | 21°57          | W25  |
| T 26 | 12 9 3   | 4° 9'46          | 28°15          | 17°31          | 1°50          | 8°43           | 7°58         | 6°56 | 25°37          | 0°57  | 17°46          | 15°57          | 16°44          | 15°44          | 22° 0          | T 26 |
| F 27 | 12 13 0  | 5° 9'11          | 10 <b>)</b> 43 | 19°13          | 3° 4          | 8°20           | 8°11         | 7° 1 | 25°38          | 0°58  | 17°47          | 15°55          | 16°40          | 15°50          | 22° 3          | F 27 |
| S 28 | 12 16 56 | 6° 8'34          | 23°26          | 20°58          | 4°17          | 7°57           | 8°25         | 7° 6 | 25°38          | 0°58  | 17°47          | 15°54          | 16°37          | 15°57          | 22° 5          | S 28 |
| S 29 | 12 20 53 | 7° 7'54          | 6 <b>Υ</b> 24  | 22°43          | 5°30          | 7°34           | 8°38         | 7°10 | 25°38          | 0°59  | 17°48          | 15°53          | 16°34          | 16° 4          | 22° 8          | S 29 |
| M30  | 12 24 49 | 8° 7'13          | 19°39          | 24°30          | 6°43          | 7°10           | 8°52         | 7°15 | 25°38          | 0°59  | 1 <u>7</u> °48 | 15°D53         | 16°31          | 1 <u>6</u> °11 | 22°10          | M30  |
| T 31 | 12 28 46 | 9 <b>Υ</b> 6'30  | 3 <b>8</b> 7   | 26 <b>∺</b> 18 | 7 <b>8</b> 56 | 6 <b>≙</b> 47  | 9 <b>米</b> 6 | 7≈20 | 25 <b>×</b> 38 | 199 0 | 17 <b>Ⅱ</b> 49 | 15 <b>≏</b> 54 | 16 <b>≏</b> 28 | 16 <b>ਰ</b> 17 | 22 <b>る</b> 13 | T 31 |

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| Day  | Sid.t    | 0                | D               | ğ              | Ş              | ď              | 4              | ħ             | )f(            | ħ     | Р              | v              | v              | Ç               | ę,             | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|----------------|---------------|----------------|-------|----------------|----------------|----------------|-----------------|----------------|------|
| W 1  | 12 32 43 | 10 <b>Υ</b> 5'45 | 16 <b>8</b> 49  | 28 <b>)</b> 7  | 9 <b>8</b> 9   | 6°R24          | 9 <b>)</b> 19  | 7≈24          | 25°R38         | 199 0 | 17 <b>Ⅱ</b> 50 | 15 <b>≏</b> 54 | 16 <b>≏</b> 24 | 16 <b>පි</b> 24 | 22 <b>궁</b> 15 | W 1  |
| T 2  | 12 36 39 | 11° 4'57         | 0 <b>Ⅲ</b> 41   | 29°58          | 10°22          | 6 <b>º</b> 1   | 9°32           | 7°29          | 25 <b>₹</b> 38 | 1° 1  | 17°50          | 15°55          | 16°21          | 16°31           | 22°17          | T 2  |
| F 3  | 12 40 36 | 12° 4'07         | 14°42           | 1 <b>Y</b> 50  | 11°35          | 5°37           | 9°46           | 7°33          | 25°38          | 1° 2  | 17°51          | 15°55          | 16°18          | 16°37           | 22°20          | F 3  |
| S 4  | 12 44 32 | 13° 3'15         | 28°49           | 3°44           | 12°47          | 5°14           | 9°59           | 7°37          | 25°38          | 1° 2  | 17°52          | 15°55          | 16°15          | 16°44           | 22°22          | S 4  |
| S 5  | 12 48 29 | 14° 2'21         | 1395 1          | 5°39           | 14° 0          | 4°52           | 10°12          | 7°41          | 25°38          | 1° 3  | 17°52          | 15°R55         | 16°12          | 16°51           | 22°24          | S 5  |
| M 6  | 12 52 25 | 15° 1'24         | 27°15           | 7°35           | 15°13          | 4°29           | 10°25          | 7°45          | 25°38          | 1° 4  | 17°53          | 15°55          | 16° 9          | 16°58           | 22°26          | M 6  |
| T 7  | 12 56 22 | 16° 0'25         | 11 <b>Ω</b> 28  | 9°33           | 16°26          | 4° 7           | 10°38          | 7°49          | 25°37          | 1° 5  | 17°54          | 15°D55         | 16° 5          | 17° 4           | 22°28          | T 7  |
| W 8  | 13 0 18  | 16°59'23         | 25°37           | 11°32          | 17°38          | 3°45           | 10°51          | 7°53          | 25°37          | 1° 6  | 17°54          | 15°55          | 16° 2          | 17°11           | 22°29          | W 8  |
| T 9  | 13 4 15  | 17°58'19         | 9 <b>m</b> /41  | 13°33          | 18°51          | 3°23           | 11° 4          | 7°57          | 25°37          | 1° 6  | 17°55          | 15°55          | 15°59          | 17°18           | 22°31          | T 9  |
| F 10 | 13 8 11  | 18°57'13         | 23°35           | 15°34          | 20° 3          | 3° 2           | 11°17          | 8° 1          | 25°36          | 1° 7  | 17°56          | 15°56          | 15°56          | 17°25           | 22°33          | F 10 |
| S 11 | 13 12 8  | 19°56'05         | 7 <b>≏</b> 18   | 17°37          | 21°15          | 2°41           | 11°30          | 8° 5          | 25°36          | 1° 8  | 17°57          | 15°56          | 15°53          | 17°31           | 22°34          | S 11 |
| S 12 | 13 16 5  | 20°54'54         | 20°46           | 19°41          | 22°28          | 2°21           | 11°43          | 8° 8          | 25°35          | 1° 9  | 17°58          | 15°R56         | 15°49          | 17°38           | 22°36          | S 12 |
| M13  | 13 20 1  | 21°53'42         | 3 <b>M</b> 57   | 21°46          | 23°40          | 2° 1           | 11°56          | 8°12          | 25°34          | 1°10  | 17°59          | 15°56          | 15°46          | 17°45           | 22°37          | M13  |
| T 14 | 13 23 58 | 22°52'28         | 16°52           | 23°51          | 24°52          | 1°41           | 12° 8          | 8°15          | 25°34          | 1°11  | 17°59          | 15°55          | 15°43          | 17°51           | 22°39          | T 14 |
| W15  | 13 27 54 | 23°51'12         | 29°31           | 25°58          | 26° 4          | 1°23           | 12°21          | 8°19          | 25°33          | 1°12  | 18° 0          | 15°54          | 15°40          | 17°58           | 22°40          | W15  |
| T 16 | 13 31 51 | 24°49'54         | 11 <b>×</b> 754 | 28° 4          | 27°16          | 1° 4           | 12°33          | 8°22          | 25°32          | 1°13  | 18° 1          | 15°53          | 15°37          | 18° 5           | 22°41          | T 16 |
| F 17 | 13 35 47 | 25°48'34         | 2 <u>4</u> ° 4  | 0811           | 28°28          | 0°47           | 12°46          | 8°25          | 25°32          | 1°15  | 18° 2          | 15°52          | 15°34          | 18°12           | 22°42          | F 17 |
| S 18 | 13 39 44 | 26°47'13         | 6 <b>ප</b> 5    | 2°18           | 29°40          | 0°30           | 12°58          | 8°28          | 25°31          | 1°16  | 18° 3          | 15°51          | 15°30          | 18°18           | 22°43          | S 18 |
| S 19 | 13 43 40 | 27°45'50         | 17°59           | 4°25           | 0Д52           | 0°14           | 13°11          | 8°31          | 25°30          | 1°17  | 18° 4          | 15°50          | 15°27          | 18°25           | 22°44          | S 19 |
| M20  | 13 47 37 | 28°44'25         | 29°53           | 6°31           | 2° 4           | 29 <b>m</b> 58 | 13°23          | 8°34          | 25°29          | 1°18  | 18° 5          | 15°D50         | 15°24          | 18°32           | 22°45          | M20  |
| T 21 | 13 51 34 | 29°42'59         | 11 <b>≈</b> 49  | 8°36           | 3°15           | 29°43          | 13°35          | 8°37          | 25°28          | 1°19  | 18° 6          | 15°50          | 15°21          | 18°38           | 22°46          | T 21 |
| W22  | 13 55 30 | 0 <b>8</b> 41'31 | 23°53           | 10°40          | 4°27           | 29°29          | 13°47          | 8°40          | 25°27          | 1°21  | 18° 7          | 15°51          | 15°18          | 18°45           | 22°47          | W22  |
| T 23 | 13 59 27 | 1°40'01          | 6 <b>∺</b> 10   | 12°42          | 5°38           | 29°15          | 13°59          | 8°43          | 25°26          | 1°22  | 18° 8          | 15°52          | 15°15          | 18°52           | 22°47          | T 23 |
| F 24 | 14 3 23  | 2°38'30          | 18°42           | 14°43          | 6°50           | 29° 3          | 14°11          | 8°45          | 25°25          | 1°23  | 18° 9          | 15°54          | 15°11          | 18°59           | 22°48          | F 24 |
| S 25 | 14 7 20  | 3°36'56          | 1 <b>Y</b> 34   | 16°41          | 8° 1           | 28°51          | 14°23          | 8°48          | 25°24          | 1°25  | 18°10          | 15°55          | 15° 8          | 19° 5           | 22°48          | S 25 |
| S 26 | 14 11 16 | 4°35'22          | 14°46           | 18°37          | 9°13           | 28°39          | 14°34          | 8°50          | 25°22          | 1°26  | 18°11          | 15°R55         | 15° 5          | 19°12           | 22°49          | S 26 |
| M27  | 14 15 13 | 5°33'45          | 28°20           | 20°30          | 10°24          | 28°29          | 14°46          | 8°53          | 25°21          | 1°27  | 18°12          | 15°55          | 15° 2          | 19°19           | 22°49          | M27  |
| T 28 | 14 19 9  | 6°32'07          | 12 <b>8</b> 12  | 22°20          | 11°35          | 28°19          | 14°58          | 8°55          | 25°20          | 1°29  | 18°13          | 15°53          | 14°59          | 19°26           | 22°49          | T 28 |
| W29  | 14 23 6  | 7°30'26          | 26°22           | 24° 7          | 12°46          | 28°11          | 15° 9          | 8°57          | 25°18          | 1°30  | 18°14          | 15°51          | 14°55          | 1 <u>9</u> °32  | 2 <u>2</u> °49 | W29  |
| T 30 | 14 27 3  | 8 <b>8</b> 28'45 | 10 <b>Ⅱ</b> 42  | 25 <b>8</b> 51 | 13 <b>Ⅱ</b> 57 | 28Mp 3         | 15 <b>∺</b> 21 | 8 <b>≈</b> 59 | 25 <b>×</b> 17 | 1932  | 18 <b>Ⅱ</b> 15 | 15 <b>≏</b> 48 | 14 <b>♀</b> 52 | 19 <b>궁</b> 39  | 22 <b>る</b> 49 | T 30 |

Delta T = 2.40 sec

MAY 1903 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ               | ♂              | 4              | ħ     | )Å(            | ¥     | В               | ß              | v              | Ç              | , k            | Day          |
|------|----------|------------------|----------------|----------------|-----------------|----------------|----------------|-------|----------------|-------|-----------------|----------------|----------------|----------------|----------------|--------------|
| F 1  | 14 30 59 | 9827'01          | 25Ⅱ 9          | 27 <b>8</b> 31 | 15 <b>I</b> I 8 | 27°R55         | 15 <b>¥</b> 32 | 9≈ 1  | 25°R16         | 19533 | 18 <b>I</b> I16 | 15°R45         | 14 <b>Ω</b> 49 | 19 <b>궁</b> 46 | 22°R49         | F 1          |
| S 2  | 14 34 56 | 10°25'15         | 9937           | 29° 7          | 16°19           | 27 <b>m</b> 49 | 15°43          | 9° 3  | 25 <b>х</b> 14 | 1°35  | 18°18           | 15 <b>≏</b> 42 | 14°46          | 19°52          | 22 <b>る</b> 49 | S 2          |
| S 3  | 14 38 52 | 11°23'27         | 24° 1          | 0П40           | 17°30           | 27°43          | 15°54          | 9° 4  | 25°13          | 1°36  | 18°19           | 15°40          | 14°43          | 19°59          | 22°49          | S 3          |
| M 4  | 14 42 49 | 12°21'37         | 8 <b>Ω</b> 17  | 2° 8           | 18°41           | 27°39          | 16° 5          | 9° 6  | 25°11          | 1°38  | 18°20           | 15°D39         | 14°40          | 20° 6          | 22°49          | M 4          |
| T 5  | 14 46 45 | 13°19'45         | 22°22          | 3°33           | 19°51           | 27°35          | 16°16          | 9° 8  | 25°10          | 1°39  | 18°21           | 15°39          | 14°36          | 20°13          | 22°49          | T 5          |
| W 6  | 14 50 42 | 14°17'51         | 6 <b>m</b> )16 | 4°53           | 21° 2           | 27°31          | 16°27          | 9° 9  | 25° 8          | 1°41  | 18°22           | 15°40          | 14°33          | 20°19          | 22°48          | W 6          |
| T 7  | 14 54 38 | 15°15'55         | 19°57          | 6° 9           | 22°12           | 27°29          | 16°37          | 9°10  | 25° 6          | 1°43  | 18°23           | 15°42          | 14°30          | 20°26          | 22°48          | T 7          |
| F 8  | 14 58 35 | 16°13'57         | 3 <b>≏</b> 26  | 7°21           | 23°22           | 27°27          | 16°48          | 9°12  | 25° 5          | 1°44  | 18°25           | 15°43          | 14°27          | 20°33          | 22°47          | F 8          |
| S 9  | 15 2 32  | 17°11'57         | 16°42          | 8°28           | 24°33           | 27°26          | 16°59          | 9°13  | 25° 3          | 1°46  | 18°26           | 15°R44         | 14°24          | 20°39          | 22°47          | S 9          |
| S 10 | 15 6 28  | 18° 9'55         | 29°46          | 9°31           | 25°43           | 27°D26         | 17° 9          | 9°14  | 25° 1          | 1°48  | 18°27           | 15°43          | 14°21          | 20°46          | 22°46          | S 10         |
| M11  | 15 10 25 | 19° 7'52         | 12 <b>M</b> 38 | 10°30          | 26°53           | 27°27          | 17°19          | 9°15  | 24°59          | 1°49  | 18°28           | 15°40          | 14°17          | 20°53          | 22°45          | M11          |
| T 12 | 15 14 21 | 20° 5'47         | 25°17          | 11°24          | 28° 3           | 27°28          | 17°29          | 9°16  | 24°57          | 1°51  | 18°29           | 15°36          | 14°14          | 21° 0          | 22°44          | T 12         |
| W13  | 15 18 18 | 21° 3'41         | 7 <b>.₹</b> 45 | 12°13          | 29°12           | 27°30          | 17°39          | 9°17  | 24°56          | 1°53  | 18°31           | 15°31          | 14°11          | 21° 6          | 22°43          | W13          |
| T 14 | 15 22 14 | 22° 1'33         | 20° 1          | 12°58          | 0922            | 27°33          | 17°49          | 9°17  | 24°54          | 1°55  | 18°32           | 15°24          | 14° 8          | 21°13          | 22°42          | T 14         |
| F 15 | 15 26 11 | 22°59'24         | 2중 8           | 13°38          | 1°32            | 27°37          | 17°59          | 9°18  | 24°52          | 1°57  | 18°33           | 15°18          | 14° 5          | 21°20          | 22°41          | F 15         |
| S 16 | 15 30 7  | 23°57'14         | 14° 7          | 14°14          | 2°41            | 27°41          | 18° 9          | 9°18  | 24°50          | 1°58  | 18°35           | 15°12          | 14° 1          | 21°27          | 22°40          | S 16         |
| S 17 | 15 34 4  | 24°55'02         | 26° 0          | 14°44          | 3°51            | 27°46          | 18°18          | 9°19  | 24°48          | 2° 0  | 18°36           | 15° 7          | 13°58          | 21°33          | 22°39          | S 17         |
| M18  | 15 38 1  | 25°52'49         | 7≈53           | 15°10          | 5° 0            | 27°52          | 18°28          | 9°19  | 24°46          | 2° 2  | 18°37           | 15° 3          | 13°55          | 21°40          | 22°38          | M18          |
| T 19 | 15 41 57 | 26°50'35         | 19°48          | 15°31          | 6° 9            | 27°58          | 18°37          | 9°19  | 24°44          | 2° 4  | 18°38           | 15° 1          | 13°52          | 21°47          | 22°36          | T 19         |
| W20  | 15 45 54 | 27°48'20         | 1 <b>)</b> 50  | 15°47          | 7°18            | 28° 5          | 18°46          | 9°19  | 24°42          | 2° 6  | 18°40           | 15°D 1         | 13°49          | 21°53          | 22°35          | W20          |
| T 21 | 15 49 50 | 28°46'04         | 14° 5          | 15°58          | 8°27            | 28°13          | 18°56          | 9°R19 | 24°40          | 2° 8  | 18°41           | 15° 2          | 13°46          | 22° 0          | 22°33          | T 21         |
| F 22 | 15 53 47 | 29°43'46         | 26°37          | 16° 4          | 9°36            | 28°21          | 19° 5          | 9°19  | 24°37          | 2°10  | 18°42           | 15° 4          | 13°42          | 22° 7          | 22°32          | F 22         |
| S 23 | 15 57 43 | 0 <b>Ⅱ</b> 41′28 | 9 <b>Ƴ</b> 31  | 16°R 5         | 10°45           | 28°30          | 19°13          | 9°19  | 24°35          | 2°12  | 18°44           | 15°R 5         | 13°39          | 22°14          | 22°30          | S 23         |
| S 24 | 16 1 40  | 1°39'08          | 22°48          | 16° 2          | 11°53           | 28°40          | 19°22          | 9°19  | 24°33          | 2°14  | 18°45           | 15° 4          | 13°36          | 22°20          | 22°29          | S 24         |
| M25  | 16 5 36  | 2°36'48          | 6 <b>8</b> 32  | 15°55          | 13° 2           | 28°50          | 19°31          | 9°18  | 24°31          | 2°16  | 18°46           | 15° 2          | 13°33          | 22°27          | 22°27          | M25          |
| T 26 | 16 9 33  | 3°34'26          | 20°41          | 15°43          | 14°10           | 29° 1          | 19°39          | 9°18  | 24°29          | 2°18  | 18°48           | 14°58          | 13°30          | 22°34          | 22°25          | T 26         |
| W27  | 16 13 30 | 4°32'04          | 5 <b>Ⅱ</b> 12  | 15°27          | 15°18           | 29°12          | 19°47          | 9°17  | 24°26          | 2°20  | 18°49           | 14°53          | 13°26          | 22°40          | 22°23          | W27          |
| T 28 | 16 17 26 | 5°29'40          | 19°59          | 15° 7          | 16°26           | 29°24          | 19°56          | 9°17  | 24°24          | 2°22  | 18°51           | 14°45          | 13°23          | 22°47          | 22°21          | T 28         |
| F 29 | 16 21 23 | 6°27'15          | 4952           | 14°44          | 17°34<br>18°42  | 29°37          | 20° 4          | 9°16  | 24°22          | 2°24  | 18°52           | 14°37          | 13°20          | 22°54          | 22°19<br>22°17 | F 29<br>S 30 |
| S 30 | 16 25 19 | 7°24'48          | 19°44          | 14°18          |                 | 29°50          | 20°12          | 9°15  | 24°20          | 2°26  | 18°53           | 14°30          | 13°17          | 23° 1          | •              |              |
| S 31 | 16 29 16 | 8 <b>Ⅱ</b> 22'21 | 4 <b>Ω</b> 27  | 13 <b>Ⅱ</b> 49 | 19950           | 0요 4           | 20 <b>米</b> 19 | 9≈14  | 24 <b>×</b> 17 | 29528 | 18 <b>Ⅱ</b> 55  | 14 <b>≏</b> 24 | 13 <b>≏</b> 14 | 23중 7          | 22 <b>ට</b> 15 | S 31         |

Delta T = 2.52 sec

JUNE 1903 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ♂              | 4              | ħ            | )∤(            | Ħ    | В     | N.             | v              | Ç              | Ş,             | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|--------------|----------------|------|-------|----------------|----------------|----------------|----------------|------|
| M 1  | 16 33 12 | 9∏19'52          | 18 <b>Ω</b> 55 | 13°R19         | 20957          | 0 <b>ჲ</b> 18  | 20 <b>)</b> 27 | 9°R13        | 24°R15         | 2930 | 18耳56 | 14°R21         | 13 <b>≏</b> 11 | 23 <b>중</b> 14 | 22°R13         | M 1  |
| T 2  | 16 37 9  | 10°17'21         | 3 Mm) 4        | 12 <b>Ⅱ</b> 46 | 22° 5          | 0°33           | 20°35          | 9≈12         | 24 <b>×</b> 13 | 2°32 | 18°57 | 14 <b>≏</b> 19 | 13° 7          | 23°21          | 22 <b>궁</b> 10 | T 2  |
| W 3  | 16 41 5  | 11°14'49         | 16°53          | 12°13          | 23°12          | 0°48           | 20°42          | 9°11         | 24°10          | 2°34 | 18°59 | 14°D19         | 13° 4          | 23°28          | 22° 8          | W 3  |
| T 4  | 16 45 2  | 12°12'16         | 0 <b>ჲ</b> 23  | 11°40          | 24°19          | 1° 4           | 20°49          | 9° 9         | 24° 8          | 2°36 | 19° 0 | 14°19          | 13° 1          | 23°34          | 22° 5          | T 4  |
| F 5  | 16 48 59 | 13° 9'42         | 13°36          | 11° 6          | 25°26          | 1°21           | 20°56          | 9° 8         | 24° 5          | 2°38 | 19° 2 | 14°R20         | 12°58          | 23°41          | 22° 3          | F 5  |
| S 6  | 16 52 55 | 14° 7'06         | 26°33          | 10°34          | 26°32          | 1°38           | 21° 3          | 9° 6         | 24° 3          | 2°40 | 19° 3 | 14°19          | 12°55          | 23°48          | 22° 0          | S 6  |
| S 7  | 16 56 52 | 15° 4'30         | 9 <b>™</b> 17  | 10° 2          | 27°39          | 1°55           | 21°10          | 9° 5         | 24° 1          | 2°43 | 19° 4 | 14°17          | 12°52          | 23°54          | 21°58          | S 7  |
| M 8  | 17 0 48  | 16° 1'52         | 21°50          | 9°33           | 28°45          | 2°13           | 21°16          | 9° 3         | 23°58          | 2°45 | 19° 6 | 14°11          | 12°48          | 24° 1          | 21°55          | M 8  |
| T 9  | 17 4 45  | 16°59'14         | 4 <b>₹</b> 14  | 9° 6           | 29°51          | 2°31           | 21°23          | 9° 1         | 23°56          | 2°47 | 19° 7 | 14° 3          | 12°45          | 24° 8          | 21°53          | T 9  |
| W10  | 17 8 41  | 17°56'35         | 16°29          | 8°41           | 0 <b>Ω</b> 57  | 2°50           | 21°29          | 8°59         | 23°53          | 2°49 | 19° 9 | 13°53          | 12°42          | 24°15          | 21°50          | W10  |
| T 11 | 17 12 38 | 18°53'55         | 2 <u>8</u> °36 | 8°20           | 2° 3           | 3° 9           | 21°35          | 8°57         | 23°51          | 2°51 | 19°10 | 13°42          | 12°39          | 24°21          | 21°47          | T 11 |
| F 12 | 17 16 34 | 19°51'14         | 10 <b>ට</b> 36 | 8° 3           | 3° 9           | 3°29           | 21°41          | 8°55         | 23°48          | 2°53 | 19°11 | 13°30          | 12°36          | 24°28          | 21°44          | F 12 |
| S 13 | 17 20 31 | 20°48'32         | 22°32          | 7°49           | 4°14           | 3°49           | 21°47          | 8°53         | 23°46          | 2°56 | 19°13 | 13°19          | 12°32          | 24°35          | 21°41          | S 13 |
| S 14 | 17 24 28 | 21°45'50         | 4≈24           | 7°39           | 5°19           | 4° 9           | 21°52          | 8°51         | 23°44          | 2°58 | 19°14 | 13° 9          | 12°29          | 24°41          | 21°39          | S 14 |
| M15  | 17 28 24 | 22°43'08         | 16°15          | 7°34           | 6°24           | 4°30           | 21°58          | 8°49         | 23°41          | 3° 0 | 19°16 | 13° 1          | 12°26          | 24°48          | 21°36          | M15  |
| T 16 | 17 32 21 | 23°40'25         | 28° 9          | 7°D33          | 7°29           | 4°51           | 22° 3          | 8°46         | 23°39          | 3° 2 | 19°17 | 12°56          | 12°23          | 24°55          | 21°33          | T 16 |
| W17  | 17 36 17 | 24°37'42         | 10 <b>∺</b> 10 | 7°36           | 8°34           | 5°13           | 22° 8          | 8°44         | 23°36          | 3° 4 | 19°18 | 12°53          | 12°20          | 25° 2          | 21°29          | W17  |
| T 18 | 17 40 14 | 25°34'58         | 22°23          | 7°44           | 9°38           | 5°35           | 22°13          | 8°41         | 23°34          | 3° 7 | 19°20 | 12°D52         | 12°17          | 25° 8          | 21°26          | T 18 |
| F 19 | 17 44 10 | 26°32'14         | <b>4Υ</b> 52   | 7°57           | 10°42          | 5°57           | 22°18          | 8°38         | 23°31          | 3° 9 | 19°21 | 12°52          | 12°13          | 25°15          | 21°23          | F 19 |
| S 20 | 17 48 7  | 27°29'30         | 17°42          | 8°14           | 11°46          | 6°20           | 22°23          | 8°36         | 23°29          | 3°11 | 19°23 | 12°R52         | 12°10          | 25°22          | 21°20          | S 20 |
| S 21 | 17 52 3  | 28°26'46         | 0 <b>8</b> 58  | 8°36           | 12°50          | 6°43           | 22°27          | 8°33         | 23°26          | 3°13 | 19°24 | 12°51          | 12° 7          | 25°29          | 21°17          | S 21 |
| M22  | 17 56 0  | 29°24'01         | 14°43          | 9° 3           | 13°53          | 7° 7           | 22°31          | 8°30         | 23°24          | 3°16 | 19°25 | 12°48          | 12° 4          | 25°35          | 21°14          | M22  |
| T 23 | 17 59 57 | 0921'17          | 28°56          | 9°34           | 14°56          | 7°31           | 22°36          | 8°27         | 23°22          | 3°18 | 19°27 | 12°42          | 12° 1          | 25°42          | 21°10          | T 23 |
| W24  | 18 3 53  | 1°18'32          | 13 <b>Ⅱ</b> 36 | 10°10          | 15°59          | 7°55           | 22°39          | 8°24         | 23°19          | 3°20 | 19°28 | 12°34          | 11°58          | 25°49          | 21° 7          | W24  |
| T 25 | 18 7 50  | 2°15'47          | 28°36          | 10°50          | 17° 2          | 8°20           | 22°43          | 8°21         | 23°17          | 3°22 | 19°29 | 12°24          | 11°54          | 25°55          | 21° 4          | T 25 |
| F 26 | 18 11 46 | 3°13'02          | 139548         | 11°34          | 18° 4          | 8°45           | 22°47          | 8°18         | 23°14          | 3°25 | 19°31 | 12°13          | 11°51          | 26° 2          | 21° 0          | F 26 |
| S 27 | 18 15 43 | 4°10'16          | 29° 0          | 12°23          | 19° 7          | 9°10           | 22°50          | 8°15         | 23°12          | 3°27 | 19°32 | 12° 3          | 11°48          | 26° 9          | 20°57          | S 27 |
| S 28 | 18 19 39 | 5° 7'30          | 14 <b>0</b> 2  | 13°16          | 20° 8          | 9°36           | 22°53          | 8°11         | 23°10          | 3°29 | 19°34 | 11°55          | 11°45          | 26°16          | 20°53          | S 28 |
| M29  | 18 23 36 | 6° 4'44          | 28°45          | 14°14          | 21°10          | 10° 2          | 22°56          | 8° 8         | 23° 7          | 3°31 | 19°35 | 11°49          | 11°42          | 2 <u>6</u> °22 | 20°50          | M29  |
| T 30 | 18 27 32 | 7 <b>95</b> 1'57 | 13 <b>m</b> 5  | 15 <b>Ⅱ</b> 15 | 22 <b>Ω</b> 11 | 10 <b>≏</b> 28 | 22 <b>米</b> 59 | 8 <b>≈</b> 5 | 23 <b>×</b> 5  | 3933 | 19耳36 | 11 <b>≏</b> 45 | 11 <b>≏</b> 38 | 26 <b>궁</b> 29 | 20 <b>궁</b> 47 | T 30 |

Delta T = 2.65 sec

JULY 1903 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ               | ·              | ♂ <sup>™</sup> | 4              | ħ             | )f(           | 卉     | Р              | 'n             | v              | Ç              | ę,             | Day  |
|------|----------|------------------|----------------|-----------------|----------------|----------------|----------------|---------------|---------------|-------|----------------|----------------|----------------|----------------|----------------|------|
| W 1  | 18 31 29 | 7959'09          | 26Mp59         | 16耳20           | 23€12          | 10 <b>≏</b> 54 | 23 <b>米</b> 2  | 8°R 1         | 23°R 2        | 3936  | 19 <b>Ⅲ</b> 38 | 11°R44         | 11 <b>≏</b> 35 | 26 <b>궁</b> 36 | 20°R43         | W 1  |
| T 2  | 18 35 26 | 8°56'22          | 10 <b>≏</b> 28 | 17°30           | 24°13          | 11°21          | 23° 4          | 7≈57          | 23 <b>×</b> 0 | 3°38  | 19°39          | 11 <b>≏</b> 44 | 11°32          | 26°42          | 20 <b>궁</b> 40 | T 2  |
| F 3  | 18 39 22 | 9°53'33          | 23°35          | 18°43           | 25°13          | 11°48          | 23° 6          | 7°54          | 22°58         | 3°40  | 19°40          | 11°43          | 11°29          | 26°49          | 20°36          | F 3  |
| S 4  | 18 43 19 | 10°50'45         | 6M23           | 20° 1           | 26°13          | 12°16          | 23° 8          | 7°50          | 22°55         | 3°42  | 19°42          | 11°42          | 11°26          | 26°56          | 20°32          | S 4  |
| S 5  | 18 47 15 | 11°47'56         | 18°56          | 21°22           | 27°12          | 12°44          | 23°10          | 7°46          | 22°53         | 3°45  | 19°43          | 11°38          | 11°23          | 27° 3          | 20°29          | S 5  |
| M 6  | 18 51 12 | 12°45'07         | 1 <b>才</b> 16  | 22°47           | 28°11          | 13°12          | 23°12          | 7°43          | 22°51         | 3°47  | 19°44          | 11°32          | 11°19          | 27° 9          | 20°25          | M 6  |
| T 7  | 18 55 8  | 13°42'18         | 13°27          | 24°16           | 29°10          | 13°40          | 23°13          | 7°39          | 22°49         | 3°49  | 19°46          | 11°23          | 11°16          | 27°16          | 20°22          | T 7  |
| W 8  | 18 59 5  | 14°39'29         | 2 <u>5</u> °32 | 25°48           | 0 <b>m</b> ) 8 | 14° 8          | 23°15          | 7°35          | 22°46         | 3°51  | 19°47          | 11°11          | 11°13          | 27°23          | 20°18          | W 8  |
| T 9  | 19 3 1   | 15°36'40         | 7 <b>궁</b> 31  | 27°24           | 1° 6           | 14°37          | 23°16          | 7°31          | 22°44         | 3°53  | 19°48          | 10°58          | 11°10          | 27°29          | 20°15          | T 9  |
| F 10 | 19 6 58  | 16°33'51         | 19°26          | 29° 4           | 2° 4           | 15° 6          | 23°17          | 7°27          | 22°42         | 3°56  | 19°49          | 10°45          | 11° 7          | 27°36          | 20°11          | F 10 |
| S 11 | 19 10 55 | 17°31'03         | 1≈18           | 09547           | 3° 1           | 15°36          | 23°17          | 7°23          | 22°40         | 3°58  | 19°51          | 10°31          | 11° 4          | 27°43          | 20° 7          | S 11 |
| S 12 | 19 14 51 | 18°28'14         | 13°10          | 2°34            | 3°57           | 16° 5          | 23°18          | 7°19          | 22°38         | 4° 0  | 19°52          | 10°20          | 11° 0          | 27°50          | 20° 4          | S 12 |
| M13  | 19 18 48 | 19°25'26         | 25° 3          | 4°23            | 4°53           | 16°35          | 23°18          | 7°15          | 22°36         | 4° 2  | 19°53          | 10°10          | 10°57          | 27°56          | 20° 0          | M13  |
| T 14 | 19 22 44 | 20°22'38         | 6 <b>¥</b> 58  | 6°16            | 5°49           | 17° 5          | 23°R18         | 7°11          | 22°34         | 4° 4  | 19°54          | 10° 4          | 10°54          | 28° 3          | 19°56          | T 14 |
| W15  | 19 26 41 | 21°19'51         | 19° 1          | 8°11            | 6°44           | 17°35          | 23°18          | 7° 7          | 22°32         | 4° 6  | 19°56          | 10° 0          | 10°51          | 28°10          | 19°53          | W15  |
| T 16 | 19 30 37 | 22°17'04         | 1 <b>Υ</b> 14  | 10° 9           | 7°39           | 18° 6          | 23°18          | 7° 2          | 22°30         | 4° 9  | 19°57          | 9°59           | 10°48          | 28°17          | 19°49          | T 16 |
| F 17 | 19 34 34 | 23°14'18         | 13°42          | 12° 9           | 8°33           | 18°37          | 23°18          | 6°58          | 22°28         | 4°11  | 19°58          | 9°D58          | 10°44          | 28°23          | 19°46          | F 17 |
| S 18 | 19 38 30 | 24°11'32         | 26°29          | 14°11           | 9°26           | 19° 8          | 23°17          | 6°54          | 22°26         | 4°13  | 19°59          | 9°R58          | 10°41          | 28°30          | 19°42          | S 18 |
| S 19 | 19 42 27 | 25° 8'48         | 9 <b>8</b> 41  | 16°15           | 10°19          | 19°39          | 23°16          | 6°50          | 22°24         | 4°15  | 20° 0          | 9°58           | 10°38          | 28°37          | 19°38          | S 19 |
| M20  | 19 46 24 | 26° 6'04         | 23°20          | 18°20           | 11°12          | 20°10          | 23°15          | 6°45          | 22°22         | 4°17  | 20° 2          | 9°55           | 10°35          | 28°43          | 19°35          | M20  |
| T 21 | 19 50 20 | 27° 3'21         | 7 <b>Ⅱ</b> 28  | 20°26           | 12° 4          | 20°42          | 23°14          | 6°41          | 22°20         | 4°19  | 20° 3          | 9°50           | 10°32          | 28°50          | 19°31          | T 21 |
| W22  | 19 54 17 | 28° 0'39         | 22° 4          | 22°33           | 12°55          | 21°14          | 23°12          | 6°37          | 22°18         | 4°21  | 20° 4          | 9°43           | 10°29          | 28°57          | 19°28          | W22  |
| T 23 | 19 58 13 | 28°57'57         | 7 <b>95</b> 3  | 24°40           | 13°45          | 21°46          | 23°11          | 6°32          | 22°16         | 4°23  | 20° 5          | 9°34           | 10°25          | 29° 4          | 19°24          | T 23 |
| F 24 | 20 2 10  | 29°55'16         | 22°17          | 26°48           | 14°35          | 22°18          | 23° 9          | 6°28          | 22°14         | 4°25  | 20° 6          | 9°24           | 10°22          | 29°10          | 19°21          | F 24 |
| S 25 | 20 6 6   | 0 <b>Ω</b> 52'36 | 7 <b>Ω</b> 35  | 28°55           | 15°24          | 22°51          | 23° 7          | 6°23          | 22°13         | 4°28  | 20° 7          | 9°15           | 10°19          | 29°17          | 19°17          | S 25 |
| S 26 | 20 10 3  | 1°49'57          | 22°47          | 1 <b>0</b> 2    | 16°13          | 23°23          | 23° 5          | 6°19          | 22°11         | 4°30  | 20° 8          | 9° 7           | 10°16          | 29°24          | 19°14          | S 26 |
| M27  | 20 13 59 | 2°47'18          | 7 <b>⋒</b> 42  | 3° 9            | 17° 0          | 23°56          | 23° 2          | 6°15          | 22° 9         | 4°32  | 20°10          | 9° 1           | 10°13          | 29°30          | 19°10          | M27  |
| T 28 | 20 17 56 | 3°44'39          | 22°12          | 5°15            | 17°47          | 24°29          | 23° 0          | 6°10          | 22° 8         | 4°34  | 20°11          | 8°58           | 10°10          | 29°37          | 19° 7          | T 28 |
| W29  | 20 21 53 | 4°42'01          | 6 <b>≏</b> 16  | 7°19            | 18°33          | 25° 3          | 22°57          | 6° 6          | 22° 6         | 4°36  | 20°12          | 8°D57          | 10° 6          | 29°44          | 19° 3          | W29  |
| T 30 | 20 25 49 | 5°39'23          | 19°51          | 9°23            | 19°18          | 25°36          | 22°54          | 6° 1          | 22° 4         | 4°38  | 20°13          | 8°57           | 10° 3          | 29°51          | 19° 0          | T 30 |
| F 31 | 20 29 46 | 6 <b>Ω</b> 36'46 | 3 <b>™</b> 0   | 11 <b>\O</b> 25 | 20 mg 3        | 26 <b>₽</b> 10 | 22 <b>米</b> 51 | 5 <b>≈</b> 57 | 22 <b>×</b> 3 | 49540 | 20 <b>Ⅱ</b> 14 | 8°R58          | 10☎ 0          | 29 <b>る</b> 57 | 18 <b>궁</b> 56 | F 31 |

Delta T = 2.77 sec

AUGUST 1903 00:00 UT

| Day  | Sid.t    | $\odot$          | <b>)</b>        | φ              | Ŷ              | o <sup>7</sup> | 4                | ħ     | )∤(            | ¥             | 2               | R             | Ω             | ţ             | δ              | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|------------------|-------|----------------|---------------|-----------------|---------------|---------------|---------------|----------------|------|
| S 1  | 20 33 42 | 7 <b>Ω</b> 34'10 | 15 <b>M</b> 48  | 13 <b>N</b> 26 | 20 <b>M</b> 46 | 26 <b>₽</b> 44 | 22°R48           | 5°R52 | 22°R 1         | 49541         | 20 <b>I</b> I15 | 8°R57         | 9 <b>≏</b> 57 | 0≈ 4          | 18°R53         | S 1  |
| S 2  | 20 37 39 | 8°31'34          | 28°16           | 15°26          | 21°29          | 27°18          | 22 <b>) (</b> 44 | 5≈48  | 22 <b>₹</b> 0  | 4°43          | 20°16           | 8 <b>≏</b> 55 | 9°54          | 0°11          | 18 <b>궁</b> 50 | S 2  |
| M 3  | 20 41 35 | 9°28'59          | 10 <b>₮</b> 31  | 17°24          | 22°10          | 27°52          | 22°40            | 5°43  | 21°59          | 4°45          | 20°17           | 8°51          | 9°50          | 0°17          | 18°47          | M 3  |
| T 4  | 20 45 32 | 10°26'24         | 22°36           | 19°20          | 22°50          | 28°27          | 22°36            | 5°39  | 21°57          | 4°47          | 20°18           | 8°45          | 9°47          | 0°24          | 18°43          | T 4  |
| W 5  | 20 49 28 | 11°23'51         | 4 <b>궁</b> 34   | 21°15          | 23°30          | 29° 1          | 22°32            | 5°34  | 21°56          | 4°49          | 20°19           | 8°36          | 9°44          | 0°31          | 18°40          | W 5  |
| T 6  | 20 53 25 | 12°21'18         | 16°28           | 23° 9          | 24° 8          | 29°36          | 22°28            | 5°30  | 21°55          | 4°51          | 20°20           | 8°26          | 9°41          | 0°38          | 18°37          | T 6  |
| F 7  | 20 57 22 | 13°18'46         | 28°21           | 25° 1          | 24°45          | 0 <b>M</b> .11 | 22°24            | 5°26  | 21°53          | 4°53          | 20°21           | 8°16          | 9°38          | 0°44          | 18°34          | F 7  |
| S 8  | 21 118   | 14°16'15         | 10≈13           | 26°51          | 25°21          | 0°46           | 22°19            | 5°21  | 21°52          | 4°55          | 20°21           | 8° 6          | 9°35          | 0°51          | 18°31          | S 8  |
| S 9  | 21 5 15  | 15°13'45         | 22° 7           | 28°40          | 25°55          | 1°21           | 22°14            | 5°17  | 21°51          | 4°56          | 20°22           | 7°57          | 9°31          | 0°58          | 18°28          | S 9  |
| M10  | 21 9 11  | 16°11'16         | 4 <b>)</b>      | 0 <b>m</b> )27 | 26°29          | 1°57           | 22° 9            | 5°13  | 21°50          | 4°58          | 20°23           | 7°50          | 9°28          | 1° 4          | 18°25          | M10  |
| T 11 | 21 13 8  | 17° 8'48         | 16° 7           | 2°13           | 27° 1          | 2°32           | 22° 4            | 5° 8  | 21°49          | 5° 0          | 20°24           | 7°45          | 9°25          | 1°11          | 18°22          | T 11 |
| W12  | 21 17 4  | 18° 6'22         | 28°17           | 3°57           | 27°31          | 3° 8           | 21°59            | 5° 4  | 21°48          | 5° 2          | 20°25           | 7°43          | 9°22          | 1°18          | 18°19          | W12  |
| T 13 | 21 21 1  | 19° 3'56         | 10 <b>Y</b> 36  | 5°40           | 28° 0          | 3°44           | 21°54            | 5° 0  | 21°47          | 5° 3          | 20°26           | 7°D42         | 9°19          | 1°25          | 18°16          | T 13 |
| F 14 | 21 24 57 | 20° 1'33         | 23°10           | 7°21           | 28°28          | 4°20           | 21°48            | 4°55  | 21°46          | 5° 5          | 20°26           | 7°43          | 9°16          | 1°31          | 18°13          | F 14 |
| S 15 | 21 28 54 | 20°59'10         | 5 <b>8</b> 59   | 9° 1           | 28°54          | 4°57           | 21°43            | 4°51  | 21°45          | 5° 7          | 20°27           | 7°44          | 9°12          | 1°38          | 18°10          | S 15 |
| S 16 | 21 32 51 | 21°56'50         | 19°10           | 10°39          | 29°18          | 5°33           | 21°37            | 4°47  | 21°44          | 5° 9          | 20°28           | 7°R45         | 9° 9          | 1°45          | 18° 8          | S 16 |
| M17  | 21 36 47 | 22°54'31         | 2 <b>Ⅱ</b> 43   | 12°16          | 29°41          | 6°10           | 21°31            | 4°43  | 21°44          | 5°10          | 20°29           | 7°45          | 9° 6          | 1°51          | 18° 5          | M17  |
| T 18 | 21 40 44 | 23°52'13         | 16°42           | 13°51          | 0 <b>호</b> 2   | 6°46           | 21°25            | 4°39  | 21°43          | 5°12          | 20°30           | 7°43          | 9° 3          | 1°58          | 18° 2          | T 18 |
| W19  | 21 44 40 | 24°49'58         | 195 5           | 15°25          | 0°21           | 7°23           | 21°18            | 4°35  | 21°42          | 5°13          | 20°30           | 7°39          | 9° 0          | 2° 5          | 18° 0          | W19  |
| T 20 | 21 48 37 | 25°47'44         | 15°51           | 16°58          | 0°38           | 8° 0           | 21°12            | 4°31  | 21°42          | 5°15          | 20°31           | 7°34          | 8°56          | 2°12          | 17°57          | T 20 |
| F 21 | 21 52 33 | 26°45'31         | 0Ω52            | 18°29          | 0°54           | 8°37           | 21° 6            | 4°27  | 21°41          | 5°17          | 20°32           | 7°28          | 8°53          | 2°18          | 17°55          | F 21 |
| S 22 | 21 56 30 | 27°43'20         | 16° 1           | 19°58          | 1° 7           | 9°15           | 20°59            | 4°23  | 21°40          | 5°18          | 20°32           | 7°22          | 8°50          | 2°25          | 17°52          | S 22 |
| S 23 | 22 0 26  | 28°41'10         | 1 Mp 7          | 21°26          | 1°19           | 9°52           | 20°52            | 4°19  | 21°40          | 5°20          | 20°33           | 7°17          | 8°47          | 2°32          | 17°50          | S 23 |
| M24  | 22 4 23  | 29°39'02         | 16° 1           | 22°53          | 1°28           | 10°30          | 20°45            | 4°15  | 21°39          | 5°21          | 20°34           | 7°14          | 8°44          | 2°38          | 17°48          | M24  |
| T 25 | 22 8 20  | OM 36'55         | 0 <b>ჲ</b> 36   | 24°18          | 1°36           | 11° 7          | 20°38            | 4°12  | 21°39          | 5°22          | 20°34           | 7°D12         | 8°41          | 2°45          | 17°46          | T 25 |
| W26  | 22 12 16 | 1°34'50          | 14°45           | 25°41          | 1°41           | 11°45          | 20°31            | 4° 8  | 21°39          | 5°24          | 20°35           | 7°12          | 8°37          | 2°52          | 17°43          | W26  |
| T 27 | 22 16 13 | 2°32'46          | 28°27           | 27° 3          | 1°43           | 12°23          | 20°24            | 4° 4  | 21°38          | 5°25          | 20°35           | 7°13          | 8°34          | 2°58          | 17°41          | T 27 |
| F 28 | 22 20 9  | 3°30'43          | 11 <b>M</b> .42 | 28°23          | 1°R44          | 13° 2          | 20°17            | 4° 1  | 21°38          | 5°27          | 20°36           | 7°15          | 8°31          | 3° 5          | 17°39          | F 28 |
| S 29 | 22 24 6  | 4°28'41          | 24°34           | 29°42          | 1°42           | 13°40          | 20° 9            | 3°57  | 21°38          | 5°28          | 20°36           | 7°16          | 8°28          | 3°12          | 17°37          | S 29 |
| S 30 | 22 28 2  | 5°26'41          | 7 <b>,₹</b> 5   | 0 <b>≏</b> 59  | 1°38           | 14°18          | 20° 2            | 3°54  | 21°38          | 5°29          | 20°37           | 7°R17         | 8°25          | 3°19          | 1 <u>7</u> °35 | S 30 |
| M31  | 22 31 59 | 6Mp24'42         | 19 <b>×</b> 20  | 2 <b>≏</b> 14  | 1 <b>≏</b> 32  | 14 <b>M</b> 57 | 19 <b>米</b> 55   | 3≈50  | 21 <b>×</b> 38 | 5 <b>9</b> 31 | 20耳37           | 7 <b>≙</b> 16 | 8 <b>≏</b> 21 | 3 <b>≈</b> 25 | 17 <b>る</b> 33 | M31  |

Delta T = 2.89 sec

SEPTEMBER 1903 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ð              | 4              | ħ     | )ұ(            | ¥             | В              | n             | ß             | ţ    | ę,             | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|-------|----------------|---------------|----------------|---------------|---------------|------|----------------|------|
| T 1  | 22 35 55 | 7 <b>m</b> 22'45 | 1 <b>る</b> 23  | 3 <u>₽</u> 27  | 1°R23          | 15 <b>M</b> 36 | 19°R47         | 3°R47 | 21°D38         | 5932          | 20耳38          | 7°R14         | 8 <b>亞</b> 18 | 3≈32 | 17°R32         | T 1  |
| W 2  | 22 39 52 | 8°20'49          | 13°19          | 4°39           | 1 <b>₽</b> 11  | 16°14          | 19 <b>米</b> 39 | 3≈44  | 21 <b>~</b> 38 | 5°33          | 20°38          | 7 <b>≙</b> 10 | 8°15          | 3°39 | 17 <b>云</b> 30 | W 2  |
| T 3  | 22 43 49 | 9°18'54          | 25°11          | 5°49           | 0°57           | 16°53          | 19°32          | 3°40  | 21°38          | 5°34          | 20°39          | 7° 6          | 8°12          | 3°45 | 17°28          | T 3  |
| F 4  | 22 47 45 | 10°17'01         | 7 <b>≈</b> 3   | 6°56           | 0°41           | 17°32          | 19°24          | 3°37  | 21°38          | 5°35          | 20°39          | 7° 1          | 8° 9          | 3°52 | 17°27          | F 4  |
| S 5  | 22 51 42 | 11°15'10         | 18°57          | 8° 1           | 0°23           | 18°12          | 19°16          | 3°34  | 21°38          | 5°37          | 20°39          | 6°57          | 8° 6          | 3°59 | 17°25          | S 5  |
| S 6  | 22 55 38 | 12°13'20         | 0 <b>∺</b> 57  | 9° 4           | 0° 2           | 18°51          | 19°8           | 3°31  | 21°38          | 5°38          | 20°40          | 6°53          | 8° 2          | 4° 6 | 17°24          | S 6  |
| M 7  | 22 59 35 | 13°11'31         | 13° 2          | 10° 5          | 29 <b>m</b> 39 | 19°30          | 19° 0          | 3°28  | 21°39          | 5°39          | 20°40          | 6°50          | 7°59          | 4°12 | 17°23          | M 7  |
| T 8  | 23 3 31  | 14° 9'45         | 25°16          | 11° 3          | 29°14          | 20°10          | 18°52          | 3°25  | 21°39          | 5°40          | 20°40          | 6°48          | 7°56          | 4°19 | 17°21          | T 8  |
| W 9  | 23 7 28  | 15° 8'00         | 7 <b>Υ</b> 40  | 11°58          | 28°47          | 20°50          | 18°45          | 3°23  | 21°39          | 5°41          | 20°41          | 6°D48         | 7°53          | 4°26 | 17°20          | W 9  |
| T 10 | 23 11 24 | 16° 6'17         | 20°14          | 12°51          | 28°19          | 21°29          | 18°37          | 3°20  | 21°40          | 5°42          | 20°41          | 6°48          | 7°50          | 4°32 | 17°19          | T 10 |
| F 11 | 23 15 21 | 17° 4'36         | 3 <b>8</b> 1   | 13°40          | 27°48          | 22° 9          | 18°29          | 3°17  | 21°40          | 5°43          | 20°41          | 6°50          | 7°47          | 4°39 | 17°18          | F 11 |
| S 12 | 23 19 17 | 18° 2'57         | 16° 3          | 14°26          | 27°16          | 22°49          | 18°21          | 3°15  | 21°41          | 5°44          | 20°41          | 6°51          | 7°43          | 4°46 | 17°17          | S 12 |
| S 13 | 23 23 14 | 19° 1'21         | 29°20          | 15° 9          | 26°43          | 23°30          | 18°13          | 3°12  | 21°41          | 5°45          | 20°42          | 6°52          | 7°40          | 4°53 | 17°16          | S 13 |
| M14  | 23 27 11 | 19°59'46         | 12 <b>Ⅱ</b> 55 | 15°47          | 26° 8          | 24°10          | 18° 5          | 3°10  | 21°42          | 5°46          | 20°42          | 6°53          | 7°37          | 4°59 | 17°15          | M14  |
| T 15 | 23 31 7  | 20°58'14         | 26°48          | 16°22          | 25°33          | 24°50          | 17°57          | 3° 8  | 21°43          | 5°47          | 20°42          | 6°R53         | 7°34          | 5° 6 | 17°14          | T 15 |
| W16  | 23 35 4  | 21°56'44         | 109559         | 16°52          | 24°56          | 25°31          | 17°49          | 3° 6  | 21°43          | 5°47          | 20°42          | 6°52          | 7°31          | 5°13 | 17°13          | W16  |
| T 17 | 23 39 0  | 22°55'16         | 25°26          | 17°17          | 24°20          | 26°11          | 17°41          | 3° 4  | 21°44          | 5°48          | 20°42          | 6°51          | 7°27          | 5°19 | 17°13          | T 17 |
| F 18 | 23 42 57 | 23°53'50         | 10 <b>N</b> 6  | 17°37          | 23°43          | 26°52          | 17°33          | 3° 2  | 21°45          | 5°49          | 20°42          | 6°50          | 7°24          | 5°26 | 17°12          | F 18 |
| S 19 | 23 46 53 | 24°52'27         | 24°52          | 17°52          | 23° 6          | 27°33          | 17°25          | 3° 0  | 21°46          | 5°50          | 20°42          | 6°48          | 7°21          | 5°33 | 17°12          | S 19 |
| S 20 | 23 50 50 | 25°51'05         | 9 <b>m</b> 38  | 18° 1          | 22°29          | 28°14          | 17°17          | 2°58  | 21°47          | 5°50          | 20°42          | 6°47          | 7°18          | 5°39 | 17°11          | S 20 |
| M21  | 23 54 46 | 26°49'45         | 24°17          | 18°R 4         | 21°53          | 28°55          | 17° 9          | 2°56  | 21°48          | 5°51          | 20°42          | 6°46          | 7°15          | 5°46 | 17°11          | M21  |
| T 22 | 23 58 43 | 27°48'28         | 8 <b>≏</b> 42  | 18° 0          | 21°17          | 29°36          | 17° 2          | 2°54  | 21°49          | 5°52          | 20°R42         | 6°D46         | 7°12          | 5°53 | 17°11          | T 22 |
| W23  | 0 2 40   | 28°47'12         | 22°47          | 17°49          | 20°43          | 0 <b>才</b> 17  | 16°54          | 2°53  | 21°50          | 5°52          | 20°42          | 6°46          | 7° 8          | 6° 0 | 17°11          | W23  |
| T 24 | 0 636    | 29°45'58         | 6M29           | 17°32          | 20° 9          | 0°59           | 16°46          | 2°51  | 21°51          | 5°53          | 20°42          | 6°47          | 7° 5          | 6° 6 | 17°11          | T 24 |
| F 25 | 0 10 33  | 0 <b>ჲ</b> 44'46 | 19°48          | 17° 7          | 19°37          | 1°40           | 16°39          | 2°50  | 21°52          | 5°53          | 20°42          | 6°48          | 7° 2          | 6°13 | 17°D11         | F 25 |
| S 26 | 0 14 29  | 1°43'36          | 2 <b>,</b> 743 | 16°34          | 19° 6          | 2°22           | 16°31          | 2°49  | 21°53          | 5°54          | 20°42          | 6°48          | 6°59          | 6°20 | 17°11          | S 26 |
| S 27 | 0 18 26  | 2°42'28          | 15°18          | 15°55          | 18°37          | 3° 4           | 16°24          | 2°48  | 21°55          | 5°54          | 20°42          | 6°48          | 6°56          | 6°26 | 17°11          | S 27 |
| M28  | 0 22 22  | 3°41'21          | 27°36          | 15° 8          | 18°10          | 3°45           | 16°17          | 2°47  | 21°56          | 5°55          | 20°42          | 6°49          | 6°52          | 6°33 | 17°11          | M28  |
| T 29 | 0 26 19  | 4°40'16          | 9 <b>조</b> 40  | 14°15          | 17°45          | 4°27           | 16°10          | 2°46  | 21°58          | 5°55          | 20°42          | 6°R49         | 6°49          | 6°40 | 1 <u>7</u> °11 | T 29 |
| W30  | 0 30 15  | 5 <b>≏</b> 39'13 | 21 <b>る</b> 36 | 13 <b>≏</b> 16 | 17 <b>m</b> 22 | 5 <b>才</b> 9   | 16 <b>米</b> 3  | 2≈45  | 21 <b>~</b> 59 | 5 <b>9</b> 55 | 20 <b>Ⅱ</b> 42 | 6 <b>≏</b> 49 | 6 <b>₽</b> 46 | 6≈47 | 17 <b>る</b> 12 | W30  |

Delta T = 3.02 sec

OCTOBER 1903 00:00 UT

| Day  | Sid.t   | 0                | D              | φ             | φ               | ð               | 4              | ħ     | )∤(           | ¥     | Р              | S.            | c<br>c        | Ç     | <del>к</del> 0 | Day  |
|------|---------|------------------|----------------|---------------|-----------------|-----------------|----------------|-------|---------------|-------|----------------|---------------|---------------|-------|----------------|------|
| T 1  | 0 34 12 | 6 <b>₽</b> 38'11 | 3≈28           | 12°R12        | 17°R 1          | 5 <b>₹</b> 51   | 15°R56         | 2°R44 | 22 <b>×</b> 0 | 5956  | 20°R41         | 6°D49         | 6 <b>₽</b> 43 | 6≈53  | 17 <b>る</b> 12 | T 1  |
| F 2  | 0 38 9  | 7°37'12          | 15°21          | 11 <b>º</b> 5 | 16 <b>M</b> )42 | 6°34            | 15 <b>米</b> 49 | 2≈43  | 22° 2         | 5°56  | 20 <b>Ⅱ</b> 41 | 6 <b>≏</b> 49 | 6°40          | 7° 0  | 17°13          | F 2  |
| S 3  | 0 42 5  | 8°36'14          | 27°18          | 9°57          | 16°26           | 7°16            | 15°42          | 2°43  | 22° 4         | 5°56  | 20°41          | 6°49          | 6°37          | 7° 7  | 17°13          | S 3  |
| S 4  | 0 46 2  | 9°35'18          | 9 <b>∺</b> 22  | 8°48          | 16°12           | 7°58            | 15°35          | 2°42  | 22° 5         | 5°57  | 20°41          | 6°49          | 6°33          | 7°13  | 17°14          | S 4  |
| M 5  | 0 49 58 | 10°34'24         | 21°37          | 7°40          | 16° 1           | 8°41            | 15°29          | 2°42  | 22° 7         | 5°57  | 20°40          | 6°49          | 6°30          | 7°20  | 17°15          | M 5  |
| T 6  | 0 53 55 | 11°33'32         | <b>4Υ</b> 5    | 6°37          | 15°52           | 9°23            | 15°22          | 2°42  | 22° 9         | 5°57  | 20°40          | 6°R49         | 6°27          | 7°27  | 17°16          | T 6  |
| W 7  | 0 57 51 | 12°32'41         | 16°46          | 5°38          | 15°45           | 10° 6           | 15°16          | 2°41  | 22°10         | 5°57  | 20°40          | 6°49          | 6°24          | 7°33  | 17°16          | W 7  |
| T 8  | 1 1 48  | 13°31'53         | 29°41          | 4°47          | 15°41           | 10°49           | 15°10          | 2°D41 | 22°12         | 5°57  | 20°39          | 6°49          | 6°21          | 7°40  | 17°17          | T 8  |
| F 9  | 1 5 44  | 14°31'07         | 12851          | 4° 4          | 15°D40          | 11°32           | 15° 4          | 2°41  | 22°14         | 5°57  | 20°39          | 6°48          | 6°18          | 7°47  | 17°19          | F 9  |
| S 10 | 1 9 41  | 15°30'24         | 26°14          | 3°31          | 15°40           | 12°15           | 14°58          | 2°41  | 22°16         | 5°R57 | 20°39          | 6°47          | 6°14          | 7°54  | 17°20          | S 10 |
| S 11 | 1 13 37 | 16°29'42         | 9∏50           | 3° 8          | 15°43           | 12°58           | 14°52          | 2°42  | 22°18         | 5°57  | 20°38          | 6°46          | 6°11          | 8° 0  | 17°21          | S 11 |
| M12  | 1 17 34 | 17°29'03         | 23°37          | 2°56          | 15°49           | 13°41           | 14°47          | 2°42  | 22°20         | 5°57  | 20°38          | 6°45          | 6° 8          | 8° 7  | 17°22          | M12  |
| T 13 | 1 21 31 | 18°28'26         | 7 <b>9</b> 35  | 2°D55         | 15°57           | 14°24           | 14°42          | 2°42  | 22°22         | 5°57  | 20°37          | 6°44          | 6° 5          | 8°14  | 17°24          | T 13 |
| W14  | 1 25 27 | 19°27'52         | 21°41          | 3° 4          | 16° 7           | 15° 7           | 14°36          | 2°43  | 22°24         | 5°57  | 20°37          | 6°D44         | 6° 2          | 8°20  | 17°25          | W14  |
| T 15 | 1 29 24 | 20°27'20         | 5 <b>Ω</b> 55  | 3°24          | 16°19           | 15°50           | 14°31          | 2°44  | 22°26         | 5°57  | 20°36          | 6°44          | 5°58          | 8°27  | 17°27          | T 15 |
| F 16 | 1 33 20 | 21°26'50         | 20°13          | 3°54          | 16°33           | 16°34           | 14°26          | 2°44  | 22°28         | 5°57  | 20°36          | 6°45          | 5°55          | 8°34  | 17°28          | F 16 |
| S 17 | 1 37 17 | 22°26'23         | 4 <b>m</b> 33  | 4°34          | 16°49           | 17°17           | 14°22          | 2°45  | 22°30         | 5°56  | 20°35          | 6°46          | 5°52          | 8°40  | 17°30          | S 17 |
| S 18 | 1 41 13 | 23°25'57         | 18°51          | 5°22          | 17° 8           | 18° 1           | 14°17          | 2°46  | 22°33         | 5°56  | 20°35          | 6°48          | 5°49          | 8°47  | 17°32          | S 18 |
| M19  | 1 45 10 | 24°25'34         | 3 <b>₾</b> 3   | 6°17          | 17°28           | 18°45           | 14°13          | 2°47  | 22°35         | 5°56  | 20°34          | 6°R48         | 5°46          | 8°54  | 17°33          | M19  |
| T 20 | 1 49 6  | 25°25'13         | 17° 6          | 7°20          | 17°50           | 19°29           | 14° 8          | 2°48  | 22°37         | 5°56  | 20°34          | 6°48          | 5°43          | 9° 1  | 17°35          | T 20 |
| W21  | 1 53 3  | 26°24'54         | 0 <b>M</b> .56 | 8°29          | 18°14           | 20°12           | 14° 4          | 2°49  | 22°40         | 5°55  | 20°33          | 6°47          | 5°39          | 9° 7  | 17°37          | W21  |
| T 22 | 1 57 0  | 27°24'37         | 14°28          | 9°43          | 18°40           | 20°56           | 14° 1          | 2°51  | 22°42         | 5°55  | 20°32          | 6°44          | 5°36          | 9°14  | 17°39          | T 22 |
| F 23 | 2 0 56  | 28°24'22         | 27°42          | 11° 1         | 19° 7           | 21°40           | 13°57          | 2°52  | 22°44         | 5°54  | 20°32          | 6°41          | 5°33          | 9°21  | 17°41          | F 23 |
| S 24 | 2 4 53  | 29°24'09         | 10 <b>∡</b> 36 | 12°24         | 19°36           | 22°25           | 13°53          | 2°54  | 22°47         | 5°54  | 20°31          | 6°38          | 5°30          | 9°27  | 17°44          | S 24 |
| S 25 | 2 8 49  | 0ML23'58         | 23°11          | 13°50         | 20° 7           | 23° 9           | 13°50          | 2°55  | 22°49         | 5°54  | 20°30          | 6°34          | 5°27          | 9°34  | 17°46          | S 25 |
| M26  | 2 12 46 | 1°23'49          | 5 <b>云</b> 30  | 15°18         | 20°39           | 23°53           | 13°47          | 2°57  | 22°52         | 5°53  | 20°30          | 6°31          | 5°24          | 9°41  | 17°48          | M26  |
| T 27 | 2 16 42 | 2°23'41          | 17°35          | 16°49         | 21°12           | 24°37           | 13°44          | 2°59  | 22°55         | 5°52  | 20°29          | 6°29          | 5°20          | 9°47  | 17°50          | T 27 |
| W28  | 2 20 39 | 3°23'35          | 29°31          | 18°22         | 21°47           | 25°22           | 13°42          | 3° 1  | 22°57         | 5°52  | 20°28          | 6°D28         | 5°17          | 9°54  | 17°53          | W28  |
| T 29 | 2 24 35 | 4°23'30          | 11≈23          | 19°56         | 22°23           | 26° 6           | 13°39          | 3° 3  | 23° 0         | 5°51  | 20°28          | 6°28          | 5°14          | 10° 1 | 17°55          | T 29 |
| F 30 | 2 28 32 | 5°23'27          | 23°15          | 21°32         | 23° 1           | 26°51           | 13°37          | 3° 5  | 23° 3         | 5°51  | 20°27          | 6°29          | 5°11          | 10° 8 | 17°58          | F 30 |
| S 31 | 2 32 29 | 6ML23'26         | 5 <b>)</b> 12  | 23 <b>₾</b> 9 | 23 Mp 40        | 27 <b>∡</b> ³35 | 13 <b>∺</b> 35 | 3≈ 7  | 23 <b>×</b> 5 | 5950  | 20 <b>Ⅲ</b> 26 | 6 <b>₽</b> 31 | 5 <b>₾</b> 8  | 10≈14 | 18중 1          | S 31 |

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|------|---------|------------------|-----------------|-----------------|----------------|-----------------------------|----------------|------|-----------------|---------------|----------------|---------------|---------------|----------------|----------------|------|
| S 1  | 2 36 25 | 7 <b>M</b> 23'27 | 17 <b>)</b> (20 | 24 <u>₽</u> 46  | 24 Mp 20       | 28 <b>×</b> <sup>7</sup> 20 | 13°R33         | 3≈ 9 | 23 <b>×</b> 8   | 5°R49         | 20°R25         | 6 <b>₽</b> 33 | 5 <b>♀</b> 4  | 10≈21          | 18 <b>궁</b> 3  | S 1  |
| M 2  | 2 40 22 | 8°23'29          | 29°41           | 26°23           | 25° 1          | 29° 5                       | 13 <b>米</b> 31 | 3°12 | 23°11           | 5 <b>9</b> 49 | 20∏24          | 6°34          | 5° 1          | 10°28          | 18° 6          | M 2  |
| T 3  | 2 44 18 | 9°23'32          | 12 <b>Y</b> 19  | 28° 2           | 25°43          | 29°50                       | 13°30          | 3°14 | 23°14           | 5°48          | 20°24          | 6°R34         | 4°58          | 10°34          | 18° 9          | T 3  |
| W 4  | 2 48 15 | 10°23'38         | 25°17           | 29°40           | 26°27          | 0 <b>ට</b> 35               | 13°28          | 3°17 | 23°17           | 5°47          | 20°23          | 6°32          | 4°55          | 10°41          | 18°12          | W 4  |
| T 5  | 2 52 11 | 11°23'45         | 8 <b>8</b> 34   | 1 <b>M</b> .18  | 27°11          | 1°20                        | 13°27          | 3°20 | 23°20           | 5°46          | 20°22          | 6°29          | 4°52          | 10°48          | 18°15          | T 5  |
| F 6  | 2 56 8  | 12°23'54         | 22° 9           | 2°57            | 27°57          | 2° 5                        | 13°26          | 3°22 | 23°23           | 5°45          | 20°21          | 6°24          | 4°49          | 10°54          | 18°18          | F 6  |
| S 7  | 3 0 4   | 13°24'05         | 6 <b>II</b> 0   | 4°35            | 28°43          | 2°50                        | 13°26          | 3°25 | 23°25           | 5°44          | 20°20          | 6°19          | 4°45          | 11° 1          | 18°21          | S 7  |
| S 8  | 3 4 1   | 14°24'18         | 20° 4           | 6°13            | 29°30          | 3°35                        | 13°25          | 3°28 | 23°28           | 5°44          | 20°19          | 6°12          | 4°42          | 11°8           | 18°24          | S 8  |
| M 9  | 3 7 58  | 15°24'33         | 49915           | 7°51            | 0 <b>ჲ</b> 19  | 4°20                        | 13°25          | 3°31 | 23°32           | 5°43          | 20°18          | 6° 7          | 4°39          | 11°14          | 18°28          | M 9  |
| T 10 | 3 11 54 | 16°24'50         | 18°29           | 9°29            | 1° 8           | 5° 5                        | 13°D25         | 3°34 | 23°35           | 5°42          | 20°17          | 6° 2          | 4°36          | 11°21          | 18°31          | T 10 |
| W11  | 3 15 51 | 17°25'09         | 2 <b>Ω</b> 44   | 11° 7           | 1°58           | 5°51                        | 13°25          | 3°38 | 23°38           | 5°41          | 20°16          | 5°59          | 4°33          | 11°28          | 18°34          | W11  |
| T 12 | 3 19 47 | 18°25'29         | 16°55           | 12°44           | 2°49           | 6°36                        | 13°25          | 3°41 | 23°41           | 5°40          | 20°15          | 5°D58         | 4°29          | 11°35          | 18°38          | T 12 |
| F 13 | 3 23 44 | 19°25'52         | 1 Mp 1          | 14°21           | 3°40           | 7°21                        | 13°26          | 3°44 | 23°44           | 5°39          | 20°15          | 5°59          | 4°26          | 11°41          | 18°41          | F 13 |
| S 14 | 3 27 40 | 20°26'17         | 15° 1           | 15°58           | 4°33           | 8° 7                        | 13°27          | 3°48 | 23°47           | 5°38          | 20°14          | 6° 0          | 4°23          | 11°48          | 18°45          | S 14 |
| S 15 | 3 31 37 | 21°26'44         | 28°54           | 17°34           | 5°26           | 8°52                        | 13°28          | 3°51 | 23°50           | 5°36          | 20°13          | 6°R 1         | 4°20          | 11°55          | 18°48          | S 15 |
| M16  | 3 35 33 | 22°27'12         | 12 <b>≏</b> 39  | 19°11           | 6°20           | 9°38                        | 13°29          | 3°55 | 23°53           | 5°35          | 20°12          | 6° 1          | 4°17          | 12° 1          | 18°52          | M16  |
| T 17 | 3 39 30 | 23°27'42         | 26°14           | 20°47           | 7°14           | 10°24                       | 13°30          | 3°59 | 23°57           | 5°34          | 20°11          | 5°59          | 4°14          | 12° 8          | 18°56          | T 17 |
| W18  | 3 43 27 | 24°28'14         | 9 <b>M</b> 40   | 22°23           | 8° 9           | 11° 9                       | 13°32          | 4° 3 | 24° 0           | 5°33          | 20° 9          | 5°55          | 4°10          | 12°15          | 19° 0          | W18  |
| T 19 | 3 47 23 | 25°28'48         | 22°53           | 23°58           | 9° 5           | 11°55                       | 13°34          | 4° 6 | 24° 3           | 5°32          | 20° 8          | 5°48          | 4° 7          | 12°21          | 19° 3          | T 19 |
| F 20 | 3 51 20 | 26°29'23         | 5 <b>₹</b> 52   | 25°34           | 10° 1          | 12°41                       | 13°36          | 4°10 | 24° 7           | 5°31          | 20° 7          | 5°40          | 4° 4          | 12°28          | 19° 7          | F 20 |
| S 21 | 3 55 16 | 27°30'00         | 18°37           | 27° 9           | 10°58          | 13°27                       | 13°38          | 4°15 | 24°10           | 5°29          | 20° 6          | 5°30          | 4° 1          | 12°35          | 19°11          | S 21 |
| S 22 | 3 59 13 | 28°30'38         | 1ਰ 7            | 28°44           | 11°55          | 14°13                       | 13°40          | 4°19 | 24°13           | 5°28          | 20° 5          | 5°20          | 3°58          | 12°42          | 19°15          | S 22 |
| M23  | 4 3 9   | 29°31'17         | 13°23           | 0 <b>∡</b> 18   | 12°53          | 14°59                       | 13°43          | 4°23 | 24°17           | 5°27          | 20° 4          | 5°10          | 3°55          | 12°48          | 19°19          | M23  |
| T 24 | 4 7 6   | 0 <b>₮</b> 31'58 | 25°27           | 1°53            | 13°52          | 15°45                       | 13°46          | 4°27 | 24°20           | 5°25          | 20° 3          | 5° 3          | 3°51          | 12°55          | 19°23          | T 24 |
| W25  | 4 11 2  | 1°32'40          | 7≈22            | 3°27            | 14°51          | 16°31                       | 13°49          | 4°32 | 24°23           | 5°24          | 20° 2          | 4°57          | 3°48          | 13° 2          | 19°27          | W25  |
| T 26 | 4 14 59 | 2°33'23          | 19°12           | 5° 1            | 15°50          | 17°17                       | 13°52          | 4°36 | 24°27           | 5°23          | 20° 1          | 4°54          | 3°45          | 13° 8          | 19°32          | T 26 |
| F 27 | 4 18 56 | 3°34'07          | 1 <b>¥</b> 2    | 6°35            | 16°50          | 18° 3                       | 13°55          | 4°41 | 24°30           | 5°21          | 20° 0          | 4°D53         | 3°42          | 13°15          | 19°36          | F 27 |
| S 28 | 4 22 52 | 4°34'51          | 12°57           | 8° 9            | 17°51          | 18°50                       | 13°59          | 4°45 | 24°34           | 5°20          | 19°59          | 4°53          | 3°39          | 13°22          | 19°40          | S 28 |
| S 29 | 4 26 49 | 5°35'37          | 25° 3           | 9°43            | 18°51          | 19°36                       | 14° 3          | 4°50 | 24°37           | 5°19          | 19°58          | 4°54          | 3°35          | 13°28          | 19°44          | S 29 |
| M30  | 4 30 45 | 6 <b>₹</b> 36'24 | 7 <b>℃</b> 24   | 11 <b>,7</b> 17 | 19 <b>≏</b> 53 | 20る22                       | 14 <b>)</b> 7  | 4≈55 | 24 <b>×</b> 741 | 59917         | 19 <b>Ⅱ</b> 56 | 4°R54         | 3 <b>₾</b> 32 | 13 <b>≈</b> 35 | 19 <b>る</b> 49 | M30  |

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|------|---------|-------------------|----------------|-----------------|----------------|-------|------------------|---------------|----------------|-------|----------------|---------------|---------------|-------|----------------|------|
| T 1  | 4 34 42 | 7 <b>.</b> ₹37'12 | 20 <b>Y</b> 6  | 12 <b>×</b> 751 | 20 <b>≏</b> 54 | 21궁 9 | 14 <b>) (</b> 11 | 5≈ 0          | 24 <b>才</b> 44 | 5°R16 | 19°R55         | 4°R53         | 3 <b>₾</b> 29 | 13≈42 | 19 <b>궁</b> 53 | T 1  |
| W 2  | 4 38 38 | 8°38'01           | 3 <b>8</b> 11  | 14°24           | 21°56          | 21°55 | 14°15            | 5° 5          | 24°48          | 59514 | 19 <b>Ⅲ</b> 54 | 4 <b>Ω</b> 49 | 3°26          | 13°48 | 19°58          | W 2  |
| T 3  | 4 42 35 | 9°38'51           | 16°42          | 15°58           | 22°59          | 22°41 | 14°20            | 5°10          | 24°51          | 5°13  | 19°53          | 4°43          | 3°23          | 13°55 | 20° 2          | T 3  |
| F 4  | 4 46 31 | 10°39'42          | 0耳37           | 17°32           | 24° 1          | 23°28 | 14°25            | 5°15          | 24°55          | 5°11  | 19°52          | 4°35          | 3°20          | 14° 2 | 20° 7          | F 4  |
| S 5  | 4 50 28 | 11°40'34          | 14°54          | 19° 5           | 25° 4          | 24°14 | 14°30            | 5°20          | 24°58          | 5°10  | 19°51          | 4°24          | 3°16          | 14° 8 | 20°11          | S 5  |
| S 6  | 4 54 25 | 12°41'27          | 29°27          | 20°39           | 26° 8          | 25° 1 | 14°35            | 5°25          | 25° 2          | 5° 8  | 19°50          | 4°13          | 3°13          | 14°15 | 20°16          | S 6  |
| M 7  | 4 58 21 | 13°42'21          | 1495 7         | 22°12           | 27°12          | 25°47 | 14°40            | 5°30          | 25° 6          | 5° 7  | 19°48          | 4° 3          | 3°10          | 14°22 | 20°21          | M 7  |
| T 8  | 5 2 18  | 14°43'16          | 28°48          | 23°46           | 28°16          | 26°34 | 14°45            | 5°36          | 25° 9          | 5° 5  | 19°47          | 3°54          | 3° 7          | 14°29 | 20°25          | T 8  |
| W 9  | 5 6 14  | 15°44'13          | 13 <b>Ω</b> 22 | 25°19           | 29°20          | 27°21 | 14°51            | 5°41          | 25°13          | 5° 4  | 19°46          | 3°48          | 3° 4          | 14°35 | 20°30          | W 9  |
| T 10 | 5 10 11 | 16°45'11          | 27°45          | 26°52           | 0 <b>M</b> 25  | 28° 7 | 14°57            | 5°46          | 25°16          | 5° 2  | 19°45          | 3°44          | 3° 1          | 14°42 | 20°35          | T 10 |
| F 11 | 5 14 7  | 17°46'09          | 11 <b>m</b> 54 | 28°26           | 1°30           | 28°54 | 15° 3            | 5°52          | 25°20          | 5° 0  | 19°44          | 3°43          | 2°57          | 14°49 | 20°39          | F 11 |
| S 12 | 5 18 4  | 18°47'09          | 25°47          | 29°59           | 2°36           | 29°41 | 15° 9            | 5°58          | 25°24          | 4°59  | 19°43          | 3°D43         | 2°54          | 14°55 | 20°44          | S 12 |
| S 13 | 5 22 0  | 19°48'10          | 9 <b>≙</b> 26  | 1 <b>る</b> 32   | 3°41           | 0≈27  | 15°15            | 6° 3          | 25°27          | 4°57  | 19°41          | 3°R43         | 2°51          | 15° 2 | 20°49          | S 13 |
| M14  | 5 25 57 | 20°49'13          | 22°51          | 3° 6            | 4°47           | 1°14  | 15°22            | 6° 9          | 25°31          | 4°55  | 19°40          | 3°41          | 2°48          | 15° 9 | 20°54          | M14  |
| T 15 | 5 29 54 | 21°50'16          | 6M 5           | 4°38            | 5°53           | 2° 1  | 15°28            | 6°15          | 25°34          | 4°54  | 19°39          | 3°38          | 2°45          | 15°15 | 20°59          | T 15 |
| W16  | 5 33 50 | 22°51'20          | 19° 6          | 6°11            | 7° 0           | 2°48  | 15°35            | 6°20          | 25°38          | 4°52  | 19°38          | 3°31          | 2°41          | 15°22 | 21° 4          | W16  |
| T 17 | 5 37 47 | 23°52'25          | 1 <b>∡</b> 758 | 7°44            | 8° 6           | 3°35  | 15°42            | 6°26          | 25°42          | 4°51  | 19°37          | 3°21          | 2°38          | 15°29 | 21° 9          | T 17 |
| F 18 | 5 41 43 | 24°53'31          | 14°38          | 9°16            | 9°13           | 4°22  | 15°49            | 6°32          | 25°45          | 4°49  | 19°36          | 3° 9          | 2°35          | 15°35 | 21°14          | F 18 |
| S 19 | 5 45 40 | 25°54'37          | 27° 8          | 10°48           | 10°20          | 5° 9  | 15°57            | 6°38          | 25°49          | 4°47  | 19°34          | 2°54          | 2°32          | 15°42 | 21°19          | S 19 |
| S 20 | 5 49 36 | 26°55'44          | 9 <b>ප</b> 27  | 12°19           | 11°28          | 5°55  | 16° 4            | 6°44          | 25°53          | 4°46  | 19°33          | 2°40          | 2°29          | 15°49 | 21°24          | S 20 |
| M21  | 5 53 33 | 27°56'52          | 21°36          | 13°50           | 12°35          | 6°42  | 16°12            | 6°50          | 25°56          | 4°44  | 19°32          | 2°26          | 2°26          | 15°56 | 21°29          | M21  |
| T 22 | 5 57 29 | 28°58'00          | 3 <b>≈</b> 35  | 15°20           | 13°43          | 7°29  | 16°20            | 6°56          | 26° 0          | 4°42  | 19°31          | 2°14          | 2°22          | 16° 2 | 21°34          | T 22 |
| W23  | 6 1 26  | 29°59'08          | 15°27          | 16°49           | 14°51          | 8°16  | 16°28            | 7° 3          | 26° 4          | 4°40  | 19°30          | 2° 4          | 2°19          | 16° 9 | 21°39          | W23  |
| T 24 | 6 5 23  | 1궁 0'16           | 27°15          | 18°16           | 15°59          | 9° 3  | 16°36            | 7° 9          | 26° 7          | 4°39  | 19°29          | 1°58          | 2°16          | 16°16 | 21°45          | T 24 |
| F 25 | 6 9 19  | 2° 1'25           | 9 <b>米</b> 3   | 19°43           | 17° 7          | 9°50  | 16°44            | 7°15          | 26°11          | 4°37  | 19°28          | 1°54          | 2°13          | 16°22 | 21°50          | F 25 |
| S 26 | 6 13 16 | 3° 2'34           | 20°56          | 21° 7           | 18°16          | 10°38 | 16°52            | 7°21          | 26°14          | 4°35  | 19°26          | 1°53          | 2°10          | 16°29 | 21°55          | S 26 |
| S 27 | 6 17 12 | 4° 3'42           | 2 <b>Υ</b> 58  | 22°30           | 19°24          | 11°25 | 17° 1            | 7°28          | 26°18          | 4°34  | 19°25          | 1°53          | 2° 7          | 16°36 | 22° 0          | S 27 |
| M28  | 6 21 9  | 5° 4'51           | 15°15          | 23°50           | 20°33          | 12°12 | 17°10            | 7°34          | 26°22          | 4°32  | 19°24          | 1°52          | 2° 3          | 16°42 | 22° 5          | M28  |
| T 29 | 6 25 5  | 6° 6'00           | 27°53          | 25° 8           | 21°42          | 12°59 | 17°18            | 7°41          | 26°25          | 4°30  | 19°23          | 1°51          | 2° 0          | 16°49 | 22°11          | T 29 |
| W30  | 6 29 2  | 7° 7'08           | 10856          | 26°22           | 22°51          | 13°46 | 17°27            | 7°47          | 26°29          | 4°29  | 19°22          | 1°47          | 1°57          | 16°56 | 22°16          | W30  |
| T 31 | 6 32 58 | 8중 8'17           | 24 <b>8</b> 28 | 27 <b>る</b> 32  | 24M 1          | 14≈33 | 17 <b>∺</b> 36   | 7 <b>≈</b> 54 | 26 <b>₹</b> 32 | 49927 | 19 <b>Ⅱ</b> 21 | 1 <b>≏</b> 41 | 1 <b>≏</b> 54 | 17≈ 2 | 22 <b>る</b> 21 | T 31 |

Delta T = 3.38 sec

JANUARY 1904 00:00 UT

| Day          | Sid.t              | 0                    | D                        | ğ               | φ              | ð              | 4                | ħ              | )f(            | ¥            | В               | ß              | ß             | Ç              | ę,             | Day          |
|--------------|--------------------|----------------------|--------------------------|-----------------|----------------|----------------|------------------|----------------|----------------|--------------|-----------------|----------------|---------------|----------------|----------------|--------------|
| F 1          | 6 36 55            | 9る 9'25              | 8Д30                     | 28 <b>궁</b> 38  | 25 <b>M</b> 10 | 15≈20          | 17 <b>) (</b> 46 | 8 <b>≈</b> 0   | 26 <b>₮</b> 36 | 4°R25        | 19°R20          | 1°R32          | 1 <b>≏</b> 51 | 17≈ 9          | 22 <b>궁</b> 27 | F 1          |
| S 2          | 6 40 52            | 10°10'34             | 22°59                    | 29°38           | 26°20          | 16° 7          | 17°55            | 8° 7           | 26°40          | 49523        | 19 <b>I</b> I19 | 1 <b>≏</b> 21  | 1°47          | 17°16          | 22°32          | S 2          |
| S 3          | 6 44 48            | 11°11'42             | 79549                    | 0≈32            | 27°29          | 16°54          | 18° 4            | 8°13           | 26°43          | 4°22         | 19°18           | 1°10           | 1°44          | 17°22          | 22°37          | S 3          |
| M 4          | 6 48 45            | 12°12'50             | 22°53                    | 1°20            | 28°39          | 17°41          | 18°14            | 8°20           | 26°47          | 4°20         | 19°16           | 0°58           | 1°41          | 17°29          | 22°42          | M 4          |
| T 5          | 6 52 41            | 13°13'59             | 7 <b>Ω</b> 59            | 1°59            | 29°49          | 18°29          | 18°24            | 8°27           | 26°50          | 4°18         | 19°15           | 0°48           | 1°38          | 17°36          | 22°48          | T 5          |
| W 6          | 6 56 38            | 14°15'07             | 22°59                    | 2°30            | 0 <b>₹</b> 59  | 19°16          | 18°34            | 8°34           | 26°54          | 4°17         | 19°14           | 0°41           | 1°35          | 17°42          | 22°53          | W 6          |
| T 7          | 7 0 34             | 15°16'16             | 7 Mp 43                  | 2°52            | 2°10           | 20° 3          | 18°44            | 8°40           | 26°57          | 4°15         | 19°13           | 0°37           | 1°32          | 17°49          | 22°59          | T 7          |
| F 8<br>S 9   | 7 431<br>7 827     | 16°17'24             | 22° 7<br>6 <b>Ω</b> 9    | 3°R 3<br>3° 3   | 3°20           | 20°50          | 18°54<br>19°4    | 8°47           | 27° 1<br>27° 4 | 4°13         | 19°12           | 0°35           | 1°28          | 17°56<br>18° 3 | 23° 4<br>23° 9 | F 8<br>S 9   |
|              | , 02,              | 17°18'33             |                          |                 | 4°30           | 21°37          |                  | 8°54           |                | 4°12         | 19°11           | 0°D35          | 1°25          |                |                |              |
| S 10         | 7 12 24            | 18°19'42             | 19°48                    | 2°51            | 5°41           | 22°24          | 19°14            | 9° 1           | 27° 8          | 4°10         | 19°10           | 0°R35          | 1°22          | 18° 9          | 23°15          | S 10         |
| M11          | 7 16 21            | 19°20'50             | 3M 7                     | 2°28            | 6°52           | 23°12          | 19°25            | 9° 8           | 27°11          | 4° 8         | 19° 9           | 0°34           | 1°19          | 18°16          | 23°20          | M11          |
| T 12         | 7 20 17            | 20°21'59             | 16° 9                    | 1°53<br>1° 6    | 8° 3           | 23°59          | 19°35            | 9°15           | 27°15<br>27°18 | 4° 7<br>4° 5 | 19° 8<br>19° 7  | 0°31           | 1°16          | 18°23<br>18°29 | 23°25<br>23°31 | T 12<br>W13  |
| W13<br>T 14  | 7 24 14<br>7 28 10 | 21°23'08<br>22°24'17 | 28°55<br>11 <b>×</b> 729 | 0°10            | 9°13<br>10°24  | 24°46<br>25°33 | 19°46<br>19°57   | 9°22<br>9°29   | 27°18          | 4° 5<br>4° 4 | 19° /           | 0°26<br>0°17   | 1°13<br>1° 9  | 18°36          | 23°36          | T 14         |
| F 15         | 7 32 7             | 23°25'25             | 23°53                    | 29 <b>궁</b> 5   | 11°36          | 26°20          | 20° 8            | 9°36           | 27°25          | 4° 2         | 19° 5           | 0° 6           | 1° 6          | 18°43          | 23°42          | F 15         |
| S 16         | 7 36 3             | 24°26'33             | 23 33<br>6 <b>ප</b> 7    | 27°53           | 12°47          | 27° 7          | 20°19            | 9°43           | 27°28          | 4° 0         | 19° 4           | 29 m 54        | 1° 3          | 18°49          | 23°47          | S 16         |
| S 17         | 7 40 0             | 25°27'41             | 18°14                    | 26°37           | 13°58          | 27°55          | 20°30            | 9°50           | 27°31          | 3°59         | 19° 4           | 29°41          | 1° 0          | 18°56          | 23°52          | S 17         |
| M18          | 7 43 56            | 26°28'48             | 0≈14                     | 25°18           | 15° 9          | 28°42          | 20°41            | 9°57           | 27°35          | 3°57         | 19° 3           | 29°28          | 0°57          | 19° 3          | 23°58          | M18          |
| T 19         | 7 47 53            | 27°29'55             | 12° 8                    | 24° 1           | 16°21          | 29°29          | 20°53            | 10° 4          | 27°38          | 3°56         | 19° 2           | 29°18          | 0°53          | 19° 9          | 24° 3          | T 19         |
| W20          | 7 51 50            | 28°31'01             | 23°57                    | 22°45           | 17°32          | 0 <b>)</b> €16 | 21° 4            | 10°11          | 27°41          | 3°54         | 19° 1           | 29° 9          | 0°50          | 19°16          | 24° 9          | W20          |
| T 21         | 7 55 46            | 29°32'06             | 5 <b>)</b> (45           | 21°35           | 18°44          | 1° 3           | 21°16            | 10°18          | 27°44          | 3°53         | 19° 0           | 29° 3          | 0°47          | 19°23          | 24°14          | T 21         |
| F 22         | 7 59 43            | 0≈33'10              | 17°33                    | 20°31           | 19°56          | 1°50           | 21°27            | 10°25          | 27°48          | 3°51         | 18°59           | 29° 0          | 0°44          | 19°29          | 24°19          | F 22         |
| S 23         | 8 3 39             | 1°34'14              | 29°25                    | 19°34           | 21° 8          | 2°37           | 21°39            | 10°32          | 27°51          | 3°50         | 18°58           | 29°D 0         | 0°41          | 19°36          | 24°25          | S 23         |
| S 24         | 8 7 36             | 2°35'16              | 11 <b>Y</b> 27           | 18°46           | 22°19          | 3°25           | 21°51            | 10°39          | 27°54          | 3°48         | 18°58           | 29° 0          | 0°38          | 19°43          | 24°30          | S 24         |
| M25          | 8 11 32            | 3°36'18              | 23°41                    | 18° 7           | 23°31          | 4°12           | 22° 3            | 10°46          | 27°57          | 3°47         | 18°57           | 29° 1          | 0°34          | 19°49          | 24°35          | M25          |
| T 26         | 8 15 29            | 4°37'18              | 6814                     | 17°37           | 24°43          | 4°59           | 22°15            | 10°53          | 28° 0          | 3°45         | 18°56           | 29°R 2         | 0°31          | 19°56          | 24°41          | T 26         |
| W27          | 8 19 25            | 5°38'17              | 19°11                    | 17°17           | 25°55          | 5°46           | 22°27            | 11° 1          | 28° 3          | 3°44         | 18°55           | 29° 1          | 0°28          | 20° 3          | 24°46          | W27          |
| T 28<br>F 29 | 8 23 22<br>8 27 19 | 6°39'15<br>7°40'12   | 2 <b>Ⅲ</b> 36<br>16°30   | 17° 4<br>17°D 0 | 27° 7<br>28°19 | 6°33<br>7°20   | 22°39<br>22°51   | 11° 8<br>11°15 | 28° 6<br>28° 9 | 3°43<br>3°41 | 18°54<br>18°54  | 28°57<br>28°52 | 0°25<br>0°22  | 20° 9<br>20°16 | 24°51<br>24°57 | T 28<br>F 29 |
| S 30         | 8 27 19 8 31 15    | 8°41'08              | 16°30<br>0 <b>©</b> 54   | 17°D 0          | 28°19<br>29°32 | 8° 7           | 22°51<br>23° 4   | 11°15<br>11°22 | 28° 9<br>28°12 | 3°41<br>3°40 | 18°54<br>18°53  | 28°52<br>28°45 | 0°22<br>0°19  | 20°16<br>20°23 | 24°57<br>25° 2 | F 29<br>S 30 |
|              |                    |                      |                          |                 |                |                | _                |                | -              |              |                 |                |               |                | -              |              |
| S 31         | 8 35 12            | 9≈42'03              | 159944                   | 17 <b>る</b> 15  | 0 <b>궁</b> 44  | 8 <b>)</b> €54 | 23 <b>米</b> 16   | 11 <b>≈</b> 29 | 28 <b>×</b> 15 | 3939         | 18耳52           | 28 <b>m</b> 38 | 0 <b>≏</b> 15 | 20≈29          | 25 <b>궁</b> 7  | S 31         |

Delta T = 3.50 sec

FEBRUARY 1904 00:00 UT

| Day  | Sid.t    | 0                | )               | φ              | Ŷ             | δ              | 4                | ħ     | ) <del>/</del> ( | ¥     | Р              | r              | Ω              | Ç     | Š              | Day  |
|------|----------|------------------|-----------------|----------------|---------------|----------------|------------------|-------|------------------|-------|----------------|----------------|----------------|-------|----------------|------|
| M 1  | 8 39 8   | 10≈42'56         | 0 <b>£</b> 52   | 17 <b>る</b> 33 | 1 <b>ප</b> 56 | 9 <b>)</b> (41 | 23 <b>米</b> 29   | 11≈37 | 28 <b>×</b> 18   | 3°R37 | 18°R52         | 28°R30         | 0 <b>₽</b> 12  | 20≈36 | 25 <b>궁</b> 12 | M 1  |
| T 2  | 8 43 5   | 11°43'48         | 16°10           | 17°57          | 3° 8          | 10°28          | 23°41            | 11°44 | 28°21            | 3936  | 18 <b>Ⅲ</b> 51 | 28 Mp 23       | 0° 9           | 20°43 | 25°17          | T 2  |
| W 3  | 8 47 1   | 12°44'40         | 1 <b>m</b> 26   | 18°27          | 4°21          | 11°15          | 23°54            | 11°51 | 28°24            | 3°35  | 18°50          | 28°18          | 0° 6           | 20°50 | 25°23          | W 3  |
| T 4  | 8 50 58  | 13°45'30         | 16°29           | 19° 2          | 5°33          | 12° 2          | 24° 7            | 11°58 | 28°27            | 3°34  | 18°50          | 28°16          | 0° 3           | 20°56 | 25°28          | T 4  |
| F 5  | 8 54 54  | 14°46'19         | 1 <b>≏</b> 12   | 19°42          | 6°46          | 12°49          | 24°19            | 12° 5 | 28°30            | 3°32  | 18°49          | 28°D15         | 29 <b>m</b> 59 | 21° 3 | 25°33          | F 5  |
| S 6  | 8 58 51  | 15°47'07         | 15°30           | 20°26          | 7°58          | 13°35          | 24°32            | 12°12 | 28°32            | 3°31  | 18°49          | 28°16          | 29°56          | 21°10 | 25°38          | S 6  |
| S 7  | 9 2 48   | 16°47'54         | 29°21           | 21°14          | 9°11          | 14°22          | 24°45            | 12°20 | 28°35            | 3°30  | 18°48          | 28°18          | 29°53          | 21°16 | 25°43          | S 7  |
| M 8  | 9 6 44   | 17°48'41         | 12 <b>M</b> 47  | 22° 6          | 10°23         | 15° 9          | 24°58            | 12°27 | 28°38            | 3°29  | 18°47          | 28°R19         | 29°50          | 21°23 | 25°48          | M 8  |
| T 9  | 9 10 41  | 18°49'26         | 25°50           | 23° 1          | 11°36         | 15°56          | 25°11            | 12°34 | 28°40            | 3°28  | 18°47          | 28°19          | 29°47          | 21°30 | 25°53          | T 9  |
| W10  | 9 14 37  | 19°50'11         | 8 <b>₹</b> 32   | 23°59          | 12°49         | 16°43          | 25°24            | 12°41 | 28°43            | 3°27  | 18°46          | 28°17          | 29°44          | 21°36 | 25°58          | W10  |
| T 11 | 9 18 34  | 20°50'54         | 20°59           | 25° 0          | 14° 2         | 17°29          | 25°38            | 12°48 | 28°46            | 3°26  | 18°46          | 28°13          | 29°40          | 21°43 | 26° 3          | T 11 |
| F 12 | 9 22 30  | 21°51'37         | 3 <b>る</b> 12   | 26° 4          | 15°14         | 18°16          | 25°51            | 12°55 | 28°48            | 3°25  | 18°46          | 28° 8          | 29°37          | 21°50 | 26° 8          | F 12 |
| S 13 | 9 26 27  | 22°52'18         | 15°16           | 27° 9          | 16°27         | 19° 3          | 26° 4            | 13° 2 | 28°51            | 3°24  | 18°45          | 28° 2          | 29°34          | 21°56 | 26°13          | S 13 |
| S 14 | 9 30 23  | 23°52'58         | 27°13           | 28°17          | 17°40         | 19°50          | 26°18            | 13°10 | 28°53            | 3°23  | 18°45          | 27°55          | 29°31          | 22° 3 | 26°18          | S 14 |
| M15  | 9 34 20  | 24°53'36         | 9≈ 6            | 29°27          | 18°53         | 20°36          | 26°31            | 13°17 | 28°56            | 3°22  | 18°44          | 27°49          | 29°28          | 22°10 | 26°23          | M15  |
| T 16 | 9 38 17  | 25°54'13         | 20°55           | 0≈39           | 20° 6         | 21°23          | 26°44            | 13°24 | 28°58            | 3°21  | 18°44          | 27°43          | 29°24          | 22°16 | 26°28          | T 16 |
| W17  | 9 42 13  | 26°54'49         | 2 <b>) (</b> 44 | 1°53           | 21°19         | 22° 9          | 26°58            | 13°31 | 29° 0            | 3°20  | 18°44          | 27°39          | 29°21          | 22°23 | 26°33          | W17  |
| T 18 | 9 46 10  | 27°55'23         | 14°33           | 3° 8           | 22°32         | 22°56          | 27°12            | 13°38 | 29° 3            | 3°19  | 18°43          | 27°36          | 29°18          | 22°30 | 26°38          | T 18 |
| F 19 | 9 50 6   | 28°55'55         | 26°26           | 4°25           | 23°45         | 23°43          | 27°25            | 13°45 | 29° 5            | 3°18  | 18°43          | 27°D36         | 29°15          | 22°36 | 26°43          | F 19 |
| S 20 | 9 54 3   | 29°56'26         | 8 <b>Ƴ</b> 24   | 5°44           | 24°58         | 24°29          | 27°39            | 13°52 | 29° 7            | 3°18  | 18°43          | 27°36          | 29°12          | 22°43 | 26°47          | S 20 |
| S 21 | 9 57 59  | 0 <b>¥</b> 56'55 | 20°31           | 7° 4           | 26°11         | 25°16          | 27°53            | 13°59 | 29° 9            | 3°17  | 18°42          | 27°38          | 29° 9          | 22°50 | 26°52          | S 21 |
| M22  | 10 1 56  | 1°57'22          | 2 <b>8</b> 50   | 8°25           | 27°24         | 26° 2          | 28° 6            | 14° 6 | 29°11            | 3°16  | 18°42          | 27°39          | 29° 5          | 22°56 | 26°57          | M22  |
| T 23 | 10 5 52  | 2°57'48          | 15°25           | 9°47           | 28°37         | 26°48          | 28°20            | 14°13 | 29°14            | 3°15  | 18°42          | 27°41          | 29° 2          | 23° 3 | 27° 1          | T 23 |
| W24  | 10 9 49  | 3°58'11          | 28°19           | 11°11          | 29°50         | 27°35          | 28°34            | 14°20 | 29°16            | 3°15  | 18°42          | 27°R42         | 28°59          | 23°10 | 27° 6          | W24  |
| T 25 | 10 13 46 | 4°58'33          | 11 <b>Ⅲ</b> 37  | 12°36          | 1≈ 4          | 28°21          | 28°48            | 14°27 | 29°18            | 3°14  | 18°42          | 27°42          | 28°56          | 23°16 | 27°10          | T 25 |
| F 26 | 10 17 42 | 5°58'52          | 25°20           | 14° 3          | 2°17          | 29° 8          | 29° 2            | 14°33 | 29°20            | 3°14  | 18°41          | 27°41          | 28°53          | 23°23 | 27°15          | F 26 |
| S 27 | 10 21 39 | 6°59'10          | 99529           | 15°30          | 3°30          | 29°54          | 29°16            | 14°40 | 29°21            | 3°13  | 18°41          | 27°39          | 28°50          | 23°30 | 27°19          | S 27 |
| S 28 | 10 25 35 | 7°59'26          | 24° 4           | 16°58          | 4°43          | <b>0</b> Υ40   | 29°30            | 14°47 | 29°23            | 3°12  | 18°41          | 27°36          | 28°46          | 23°36 | 27°24          | S 28 |
| M29  | 10 29 32 | 8 <b>∺</b> 59'39 | 8 <b>Ω</b> 59   | 18 <b>≈</b> 28 | 5≈56          | 1 <b>Y</b> 26  | 29 <b>) (</b> 44 | 14≈54 | 29 <b>×</b> 25   | 39512 | 18 <b>Ⅱ</b> 41 | 27 <b>m</b> 34 | 28 <b>m</b> 43 | 23≈43 | 27 <b>る</b> 28 | M29  |

Delta T = 3.62 sec

MARCH 1904 00:00 UT

| Day         | Sid.t                | 0                            | D                     | ğ                       | ·              | ď                       | 4                     | ħ              | )f(             | ¥            | Р              | ß               | Ω               | Ç              | ę,                      | Day         |
|-------------|----------------------|------------------------------|-----------------------|-------------------------|----------------|-------------------------|-----------------------|----------------|-----------------|--------------|----------------|-----------------|-----------------|----------------|-------------------------|-------------|
| T 1         | 10 33 28             | 9 <b>)</b> 59'51             | 24 <b>N</b> 8         | 19≈59                   | 7≈10           | 2 <b>Υ</b> 12           | 29 <b>米</b> 58        | 15≈ 1          | 29 <b>×</b> 27  | 3°R11        | 18°R41         | 27°R31          | 28 <b>m</b> /40 | 23≈50          | 27る32                   | T 1         |
| W 2         | 10 37 25             | 11° 0'00                     | 9 <b>m</b> 21         | 21°31                   | 8°23           | 2°59                    | 0 <b>Υ</b> 12         | 15° 7          | 29°29           | 39511        | 18 <b>Ⅱ</b> 41 | 27 <b>m</b> 30  | 28°37           | 23°56          | 27°37                   | W 2         |
| T 3         | 10 41 21             | 12° 0'08                     | 24°28                 | 23° 4                   | 9°36           | 3°45                    | 0°27                  | 15°14          | 29°30           | 3°11         | 18°41          | 27°D29          | 28°34           | 24° 3          | 27°41                   | T 3         |
| F 4         | 10 45 18             | 13° 0'14                     | 9 <u>₽</u> 20         | 24°38                   | 10°50          | 4°31                    | 0°41                  | 15°21          | 29°32           | 3°10         | 18°D41         | 27°30           | 28°30           | 24°10          | 27°45                   | F 4         |
| S 5         | 10 49 15             | 14° 0'18                     | 23°51                 | 26°13                   | 12° 3          | 5°17                    | 0°55                  | 15°27          | 29°33           | 3°10         | 18°41          | 27°30           | 28°27           | 24°16          | 27°49                   | S 5         |
| S 6         | 10 53 11             | 15° 0'21                     | 7 <b>M</b> 55         | 27°50                   | 13°16          | 6° 3                    | 1° 9                  | 15°34          | 29°35           | 3°10         | 18°41          | 27°31           | 28°24           | 24°23          | 27°53                   | S 6         |
| M 7         | 10 57 8              | 16° 0'22                     | 21°33                 | 29°27                   | 14°30          | 6°49                    | 1°23                  | 15°41          | 29°36           | 3° 9         | 18°41          | 27°32           | 28°21           | 24°30          | 27°57                   | M 7         |
| T 8         | 11 1 4               | 17° 0'22                     | 4 <b>~</b> 744        | 1 <del>)(</del> 6       | 15°43          | 7°34                    | 1°38                  | 15°47          | 29°38           | 3° 9         | 18°41          | 27°33           | 28°18           | 24°36          | 28° 1                   | T 8         |
| W 9<br>T 10 | 11 5 1<br>11 8 57    | 18° 0'19<br>19° 0'16         | 17°31<br>29°58        | 2°45<br>4°26            | 16°56<br>18°10 | 8°20<br>9° 6            | 1°52<br>2° 6          | 15°53<br>16° 0 | 29°39<br>29°41  | 3° 9<br>3° 9 | 18°41<br>18°41 | 27°R33<br>27°33 | 28°15<br>28°11  | 24°43<br>24°50 | 28° 5<br>28° 9          | W 9<br>T 10 |
| F 11        | 11 8 5 /             | 20° 0'10                     | 12 <b>ろ</b> 10        | 6° 8                    | 18°10<br>19°23 | 9°52                    | 2°21                  | 16° 6          | 29°41<br>29°42  | 3° 8         | 18°41          | 27°33           | 28° 11          | 24°56          | 28°13                   | F 11        |
| S 12        | 11 16 50             | 21° 0'03                     | 24°10                 | 7°51                    | 20°37          | 10°38                   | 2°35                  | 16°13          | 29°43           | 3° 8         | 18°42          | 27°32           | 28° 5           | 25° 3          | 28°17                   | S 12        |
|             |                      |                              |                       |                         |                |                         |                       |                |                 | -            |                |                 |                 |                |                         |             |
| S 13<br>M14 | 11 20 47<br>11 24 43 | 21°59'54<br>22°59'44         | 6 <b>≈</b> 2<br>17°51 | 9°35<br>11°21           | 21°50<br>23° 4 | 11°23<br>12° 9          | 2°50<br>3° 4          | 16°19<br>16°25 | 29°44<br>29°46  | 3° 8<br>3° 8 | 18°42<br>18°42 | 27°31<br>27°30  | 28° 2<br>27°59  | 25°10<br>25°16 | 28°21<br>28°24          | S 13<br>M14 |
| T 15        | 11 24 43             | 22 39 44<br>23°59'31         | 29°39                 | 11 21<br>13° 7          | 23 4<br>24°17  | 12°55                   | 3°18                  | 16°23          | 29°47           | 3°D 8        | 18°42          | 27°30           | 27°56           | 25°23          | 28°28                   | T 15        |
| W16         | 11 32 37             | 24°59'17                     | 11 <b>)</b> 29        | 14°55                   | 25°30          | 13°40                   | 3°33                  | 16°38          | 29°48           | 3° 8         | 18°43          | 27°30           | 27°52           | 25°30          | 28°32                   | W16         |
| T 17        | 11 36 33             | 25°59'01                     | 23°24                 | 16°44                   | 26°44          | 14°26                   | 3°47                  | 16°44          | 29°49           | 3° 8         | 18°43          | 27°D29          | 27°49           | 25°36          | 28°35                   | T 17        |
| F 18        | 11 40 30             | 26°58'42                     | 5 <b>Υ</b> 25         | 18°35                   | 27°57          | 15°11                   | 4° 2                  | 16°50          | 29°50           | 3° 8         | 18°43          | 27°R29          | 27°46           | 25°43          | 28°39                   | F 18        |
| S 19        | 11 44 26             | 27°58'22                     | 17°35                 | 20°26                   | 29°11          | 15°57                   | 4°16                  | 16°56          | 29°50           | 3° 9         | 18°44          | 27°29           | 27°43           | 25°50          | 28°42                   | S 19        |
| S 20        | 11 48 23             | 28°57'59                     | 29°55                 | 22°19                   | 0 <b>¥</b> 24  | 16°42                   | 4°31                  | 17° 2          | 29°51           | 3° 9         | 18°44          | 27°29           | 27°40           | 25°56          | 28°45                   | S 20        |
| M21         | 11 52 19             | 29°57'35                     | 12827                 | 24°13                   | 1°38           | 17°27                   | 4°45                  | 17° 8          | 29°52           | 3° 9         | 18°44          | 27°29           | 27°36           | 26° 3          | 28°49                   | M21         |
| T 22        | 11 56 16             | 0 <b>Υ</b> 57'08             | 25°13                 | 26° 8                   | 2°51           | 18°13                   | 5° 0                  | 17°14          | 29°53           | 3° 9         | 18°45          | 27°29           | 27°33           | 26°10          | 28°52                   | T 22        |
| W23         | 12 0 12              | 1°56'39                      | 8 <b>Ⅲ</b> 15         | 28° 5                   | 4° 5           | 18°58                   | 5°14                  | 17°19          | 29°53           | 3° 9         | 18°45          | 27°28           | 27°30           | 26°16          | 28°55                   | W23         |
| T 24        | 12 4 9               | 2°56'08                      | 21°34                 | 0 <b>Υ</b> 2            | 5°18           | 19°43                   | 5°29                  | 17°25          | 29°54           | 3°10         | 18°46          | 27°28           | 27°27           | 26°23          | 28°58                   | T 24        |
| F 25        | 12 8 6               | 3°55'34                      | 59612                 | 2° 1                    | 6°32           | 20°28                   | 5°44                  | 17°31          | 29°55           | 3°10         | 18°46          | 27°D28          | 27°24           | 26°30          | 29° 1                   | F 25        |
| S 26        | 12 12 2              | 4°54'58                      | 19°10                 | 4° 1                    | 7°46           | 21°13                   | 5°58                  | 17°37          | 29°55           | 3°10         | 18°47          | 27°28           | 27°21           | 26°36          | 29° 4                   | S 26        |
| S 27        | 12 15 59             | 5°54'20                      | 3 <b>Ω</b> 26         | 6° 1                    | 8°59           | 21°58                   | 6°13                  | 17°42          | 29°56           | 3°11         | 18°47          | 27°29           | 27°17           | 26°43          | 29° 7                   | S 27        |
| M28         | 12 19 55             | 6°53'39                      | 18° 0                 | 8° 3                    | 10°13          | 22°44                   | 6°27                  | 17°48          | 29°56           | 3°11         | 18°48          | 27°29           | 27°14           | 26°50          | 29°10                   | M28         |
| T 29        | 12 23 52             | 7°52'56                      | 2 Mp 46               | 10° 5                   | 11°26          | 23°28                   | 6°42                  | 17°53          | 29°56           | 3°12         | 18°48          | 27°30           | 27°11           | 26°56          | 29°13                   | T 29        |
| W30         | 12 27 48             | 8°52'11<br>9 <b>°</b> 751'23 | 17°39                 | 12° 8<br>14 <b>Y</b> 11 | 12°40          | 24°13<br>24 <b>°</b> 58 | 6°56<br>7 <b>Ƴ</b> 11 | 17°59          | 29°57           | 3°12         | 18°49          | 27°31           | 27° 8           | 27° 3          | 29°16<br>29 <b>궁</b> 18 | W30         |
| T 31        | 12 31 45             | 91/01/23                     | 2 <b>₾</b> 32         | 14 Y 11                 | 13 <b>米</b> 53 | 24°¥°58                 | /·¥·11                | 18 <b>≈</b> 4  | 29 <b>×</b> 757 | 39913        | 18 <b>Ⅱ</b> 49 | 27°R31          | 27 m/ 5         | 27≈10          | 29018                   | T 31        |

Delta T = 3.74 sec

APRIL 1904 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | φ              | ď              | 4              | ħ             | )∤(             | ¥     | В              | N.             | ß              | Ç             | ę,             | Day  |
|------|----------|-------------------|----------------|----------------|----------------|----------------|----------------|---------------|-----------------|-------|----------------|----------------|----------------|---------------|----------------|------|
| F 1  | 12 35 41 | 10 <b>Y</b> 50'33 | 17 <b>≏</b> 16 | 16 <b>Y</b> 15 | 15 <b>)</b> 7  | 25 <b>Y</b> 43 | 7 <b>Y</b> 25  | 18 <b>≈</b> 9 | 29 <b>×</b> 757 | 39513 | 18耳50          | 27°R30         | 27 m/ 1        | 27≈16         | 29 <b>궁</b> 21 | F 1  |
| S 2  | 12 39 38 | 11°49'42          | 1 <b>M</b> .45 | 18°18          | 16°20          | 26°28          | 7°40           | 18°14         | 29°57           | 3°14  | 18°50          | 27 <b>m</b> 29 | 26°58          | 27°23         | 29°23          | S 2  |
| S 3  | 12 43 35 | 12°48'48          | 15°53          | 20°22          | 17°34          | 27°13          | 7°54           | 18°20         | 29°57           | 3°15  | 18°51          | 27°27          | 26°55          | 27°30         | 29°26          | S 3  |
| M 4  | 12 47 31 | 13°47'53          | 29°37          | 22°24          | 18°47          | 27°57          | 8° 9           | 18°25         | 29°R57          | 3°15  | 18°52          | 27°25          | 26°52          | 27°36         | 29°28          | M 4  |
| T 5  | 12 51 28 | 14°46'56          | 12 <b>~</b> 55 | 24°26          | 20° 1          | 28°42          | 8°23           | 18°30         | 29°57           | 3°16  | 18°52          | 27°23          | 26°49          | 27°43         | 29°31          | T 5  |
| W 6  | 12 55 24 | 15°45'57          | 25°49          | 26°27          | 21°14          | 29°26          | 8°38           | 18°35         | 29°57           | 3°17  | 18°53          | 27°21          | 26°46          | 27°50         | 29°33          | W 6  |
| T 7  | 12 59 21 | 16°44'56          | 8 <b>궁</b> 20  | 28°26          | 22°28          | 0811           | 8°52           | 18°39         | 29°57           | 3°17  | 18°54          | 27°20          | 26°42          | 27°56         | 29°35          | T 7  |
| F 8  | 13 3 17  | 17°43'54          | 20°34          | 0 <b>8</b> 23  | 23°42          | 0°55           | 9° 7           | 18°44         | 29°57           | 3°18  | 18°55          | 27°D20         | 26°39          | 28° 3         | 29°37          | F 8  |
| S 9  | 13 7 14  | 18°42'50          | 2≈35           | 2°18           | 24°55          | 1°40           | 9°21           | 18°49         | 29°57           | 3°19  | 18°55          | 27°20          | 26°36          | 28°10         | 29°39          | S 9  |
| S 10 | 13 11 10 | 19°41'44          | 14°27          | 4°10           | 26° 9          | 2°24           | 9°35           | 18°54         | 29°57           | 3°20  | 18°56          | 27°22          | 26°33          | 28°16         | 29°41          | S 10 |
| M11  | 13 15 7  | 20°40'36          | 26°15          | 5°59           | 27°22          | 3° 9           | 9°50           | 18°58         | 29°56           | 3°21  | 18°57          | 27°23          | 26°30          | 28°23         | 29°43          | M11  |
| T 12 | 13 19 3  | 21°39'26          | 8 <b>)</b> 4   | 7°45           | 28°36          | 3°53           | 10° 4          | 19° 3         | 29°56           | 3°22  | 18°58          | 27°25          | 26°27          | 28°30         | 29°45          | T 12 |
| W13  | 13 23 0  | 22°38'15          | 19°57          | 9°28           | 29°49          | 4°37           | 10°18          | 19° 7         | 29°55           | 3°23  | 18°59          | 27°26          | 26°23          | 28°36         | 29°47          | W13  |
| T 14 | 13 26 57 | 23°37'01          | 1 <b>Y</b> 59  | 11° 6          | 1 <b>℃</b> 3   | 5°21           | 10°33          | 19°12         | 29°55           | 3°24  | 18°59          | 27°R26         | 26°20          | 28°43         | 29°48          | T 14 |
| F 15 | 13 30 53 | 24°35'46          | 14°11          | 12°40          | 2°17           | 6° 5           | 10°47          | 19°16         | 29°54           | 3°25  | 19° 0          | 27°25          | 26°17          | 28°50         | 29°50          | F 15 |
| S 16 | 13 34 50 | 25°34'29          | 26°36          | 14°10          | 3°30           | 6°50           | 11° 1          | 19°20         | 29°54           | 3°26  | 19° 1          | 27°23          | 26°14          | 28°56         | 29°52          | S 16 |
| S 17 | 13 38 46 | 26°33'10          | 9 <b>8</b> 14  | 15°35          | 4°44           | 7°34           | 11°16          | 19°24         | 29°53           | 3°27  | 19° 2          | 27°19          | 26°11          | 29° 3         | 29°53          | S 17 |
| M18  | 13 42 43 | 27°31'49          | 22° 6          | 16°55          | 5°57           | 8°18           | 11°30          | 19°28         | 29°53           | 3°28  | 19° 3          | 27°14          | 26° 7          | 29°10         | 29°55          | M18  |
| T 19 | 13 46 39 | 28°30'26          | 5 <b>Ⅱ</b> 12  | 18°11          | 7°11           | 9° 2           | 11°44          | 19°32         | 29°52           | 3°29  | 19° 4          | 27° 9          | 26° 4          | 29°16         | 29°56          | T 19 |
| W20  | 13 50 36 | 29°29'01          | 18°32          | 19°21          | 8°24           | 9°45           | 11°58          | 19°36         | 29°51           | 3°30  | 19° 5          | 27° 4          | 26° 1          | 29°23         | 29°57          | W20  |
| T 21 | 13 54 32 | 0 <b>8</b> 27'33  | 295 4          | 20°27          | 9°38           | 10°29          | 12°12          | 19°40         | 29°50           | 3°31  | 19° 6          | 27° 0          | 25°58          | 29°30         | 29°58          | T 21 |
| F 22 | 13 58 29 | 1°26'04           | 15°48          | 21°27          | 10°52          | 11°13          | 12°27          | 19°44         | 29°49           | 3°33  | 19° 7          | 26°58          | 25°55          | 29°36         | 29°59          | F 22 |
| S 23 | 14 2 26  | 2°24'32           | 29°44          | 22°21          | 12° 5          | 11°57          | 12°41          | 19°48         | 29°49           | 3°34  | 19° 8          | 26°D57         | 25°52          | 29°43         | 0≈ 0           | S 23 |
| S 24 | 14 6 22  | 3°22'59           | 13 <b>Ω</b> 51 | 23°10          | 13°19          | 12°41          | 12°55          | 19°51         | 29°48           | 3°35  | 19° 9          | 26°57          | 25°48          | 29°50         | 0° 1           | S 24 |
| M25  | 14 10 19 | 4°21'22           | 28° 6          | 23°54          | 14°32          | 13°24          | 13° 9          | 19°55         | 29°47           | 3°36  | 19°10          | 26°58          | 25°45          | 29°56         | 0° 2           | M25  |
| T 26 | 14 14 15 | 5°19'44           | 12 <b>M</b> 29 | 24°32          | 15°46          | 14° 8          | 13°23          | 19°58         | 29°46           | 3°38  | 19°11          | 27° 0          | 25°42          | 0 <b>∺</b> 3  | 0° 3           | T 26 |
| W27  | 14 18 12 | 6°18'04           | 26°56          | 25° 5          | 16°59          | 14°51          | 13°37          | 20° 2         | 29°44           | 3°39  | 19°12          | 27°R 0         | 25°39          | 0°10          | 0° 4           | W27  |
| T 28 | 14 22 8  | 7°16'21           | 11 <b>≏</b> 24 | 25°32          | 18°13          | 15°35          | 13°51          | 20° 5         | 29°43           | 3°41  | 19°13          | 26°59          | 25°36          | 0°16          | 0° 5           | T 28 |
| F 29 | 14 26 5  | 8°14'37           | 25°46          | 25°53          | 19°26          | 16°18          | 14° 4          | 20° 8         | 29°42           | 3°42  | 19°14          | 26°57          | 25°32          | 0°23          | 0° 5           | F 29 |
| S 30 | 14 30 1  | 9 <b>8</b> 12'51  | 9 <b>M</b> 59  | 26 <b>8</b> 9  | 20 <b>Υ</b> 40 | 178 1          | 14 <b>Υ</b> 18 | 20≈11         | 29 <b>×</b> 741 | 39543 | 19 <b>Ⅱ</b> 15 | 26 <b>m</b> 52 | 25 <b>m</b> 29 | 0 <b>∺</b> 29 | 0≈ 6           | S 30 |

Delta T = 3.86 sec

MAY 1904 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | φ              | ♂              | 4              | ħ     | )∤(            | ¥     | Р              | P              | v        | ţ             | ę<br>k         | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|----------------|-------|----------------|-------|----------------|----------------|----------|---------------|----------------|------|
| S 1  | 14 33 58 | 10811'03         | 23M56           | 26819          | 21 <b>Y</b> 53 | 17 <b>8</b> 45 | 14 <b>Y</b> 32 | 20≈14 | 29°R40         | 39545 | 19 <b>Ⅱ</b> 16 | 26°R46         | 25 Mg 26 | 0 <b>∺</b> 36 | 0≈ 6           | S 1  |
| M 2  | 14 37 55 | 11° 9'14         | 7 <b>.</b> ₹34  | 26°R24         | 23° 7          | 18°28          | 14°46          | 20°17 | 29 <b>∡</b> 38 | 3°46  | 19°18          | 26 <b>m</b> 39 | 25°23    | 0°43          | 0° 7           | M 2  |
| T 3  | 14 41 51 | 12° 7'23         | 20°50           | 26°23          | 24°20          | 19°11          | 15° 0          | 20°20 | 29°37          | 3°48  | 19°19          | 26°31          | 25°20    | 0°49          | 0° 7           | T 3  |
| W 4  | 14 45 48 | 13° 5'30         | 3 <b>⋜</b> 45   | 26°18          | 25°34          | 19°54          | 15°13          | 20°22 | 29°36          | 3°49  | 19°20          | 26°24          | 25°17    | 0°56          | 0° 7           | W 4  |
| T 5  | 14 49 44 | 14° 3'36         | 16°18           | 26° 7          | 26°47          | 20°38          | 15°27          | 20°25 | 29°34          | 3°51  | 19°21          | 26°19          | 25°13    | 1° 3          | 0° 7           | T 5  |
| F 6  | 14 53 41 | 15° 1'40         | 28°34           | 25°52          | 28° 1          | 21°21          | 15°40          | 20°28 | 29°33          | 3°52  | 19°22          | 26°16          | 25°10    | 1° 9          | 0° 7           | F 6  |
| S 7  | 14 57 37 | 15°59'43         | 10≈36           | 25°33          | 29°14          | 22° 4          | 15°54          | 20°30 | 29°31          | 3°54  | 19°23          | 26°14          | 25° 7    | 1°16          | 0°R 7          | S 7  |
| S 8  | 15 134   | 16°57'45         | 22°29           | 25° 9          | 0 <b>8</b> 28  | 22°47          | 16° 7          | 20°32 | 29°30          | 3°56  | 19°25          | 26°D14         | 25° 4    | 1°23          | 0° 7           | S 8  |
| M 9  | 15 5 30  | 17°55'45         | 4 <b>)</b> 18   | 24°43          | 1°42           | 23°30          | 16°21          | 20°35 | 29°28          | 3°57  | 19°26          | 26°15          | 25° 1    | 1°29          | 0° 7           | M 9  |
| T 10 | 15 9 27  | 18°53'44         | 16° 8           | 24°13          | 2°55           | 24°12          | 16°34          | 20°37 | 29°26          | 3°59  | 19°27          | 26°16          | 24°58    | 1°36          | 0° 7           | T 10 |
| W11  | 15 13 24 | 19°51'41         | 28° 4           | 23°41          | 4° 9           | 24°55          | 16°47          | 20°39 | 29°25          | 4° 1  | 19°28          | 26°R17         | 24°54    | 1°43          | 0° 7           | W11  |
| T 12 | 15 17 20 | 20°49'38         | 10 <b>Y</b> 12  | 23° 7          | 5°22           | 25°38          | 17° 1          | 20°41 | 29°23          | 4° 2  | 19°30          | 26°15          | 24°51    | 1°49          | 0° 6           | T 12 |
| F 13 | 15 21 17 | 21°47'32         | 22°33           | 22°32          | 6°36           | 26°21          | 17°14          | 20°43 | 29°21          | 4° 4  | 19°31          | 26°12          | 24°48    | 1°56          | 0° 6           | F 13 |
| S 14 | 15 25 13 | 22°45'26         | 5812            | 21°56          | 7°49           | 27° 3          | 17°27          | 20°45 | 29°20          | 4° 6  | 19°32          | 26° 7          | 24°45    | 2° 3          | 0° 5           | S 14 |
| S 15 | 15 29 10 | 23°43'18         | 18° 9           | 21°21          | 9° 3           | 27°46          | 17°40          | 20°46 | 29°18          | 4° 8  | 19°33          | 25°59          | 24°42    | 2° 9          | 0° 5           | S 15 |
| M16  | 15 33 6  | 24°41'09         | 1 <b>Ⅱ</b> 23   | 20°46          | 10°16          | 28°29          | 17°53          | 20°48 | 29°16          | 4°10  | 19°35          | 25°50          | 24°38    | 2°16          | 0° 4           | M16  |
| T 17 | 15 37 3  | 25°38'58         | 14°54           | 20°12          | 11°30          | 29°11          | 18° 6          | 20°49 | 29°14          | 4°11  | 19°36          | 25°40          | 24°35    | 2°23          | 0° 3           | T 17 |
| W18  | 15 40 59 | 26°36'46         | 28°38           | 19°41          | 12°43          | 29°54          | 18°19          | 20°51 | 29°12          | 4°13  | 19°37          | 25°30          | 24°32    | 2°29          | 0° 2           | W18  |
| T 19 | 15 44 56 | 27°34'32         | 12933           | 19°11          | 13°57          | 0Д36           | 18°32          | 20°52 | 29°10          | 4°15  | 19°39          | 25°22          | 24°29    | 2°36          | 0° 2           | T 19 |
| F 20 | 15 48 53 | 28°32'17         | 26°35           | 18°45          | 15°10          | 1°18           | 18°45          | 20°53 | 29° 8          | 4°17  | 19°40          | 25°16          | 24°26    | 2°43          | 0° 1           | F 20 |
| S 21 | 15 52 49 | 29°30'00         | 10 <b>Ω</b> 40  | 18°21          | 16°24          | 2° 1           | 18°57          | 20°54 | 29° 6          | 4°19  | 19°41          | 25°12          | 24°23    | 2°49          | 29 <b>궁</b> 59 | S 21 |
| S 22 | 15 56 46 | 0 <b>Ⅲ</b> 27'41 | 24°48           | 18° 1          | 17°37          | 2°43           | 19°10          | 20°55 | 29° 4          | 4°21  | 19°43          | 25°D11         | 24°19    | 2°56          | 29°59          | S 22 |
| M23  | 16 0 42  | 1°25'21          | 8 Mp 56         | 17°45          | 18°51          | 3°25           | 19°22          | 20°56 | 29° 2          | 4°23  | 19°44          | 25°11          | 24°16    | 3° 3          | 29°57          | M23  |
| T 24 | 16 4 39  | 2°22'59          | 23° 4           | 17°33          | 20° 4          | 4° 7           | 19°35          | 20°57 | 29° 0          | 4°25  | 19°45          | 25°R11         | 24°13    | 3° 9          | 29°56          | T 24 |
| W25  | 16 8 35  | 3°20'35          | 7 <b>Ω</b> 9    | 17°26          | 21°18          | 4°50           | 19°47          | 20°58 | 28°58          | 4°27  | 19°47          | 25°11          | 24°10    | 3°16          | 29°55          | W25  |
| T 26 | 16 12 32 | 4°18'10          | 21°12           | 17°D22         | 22°31          | 5°32           | 20° 0          | 20°59 | 28°56          | 4°29  | 19°48          | 25° 8          | 24° 7    | 3°23          | 29°53          | T 26 |
| F 27 | 16 16 28 | 5°15'44          | 5M 8            | 17°24          | 23°45          | 6°14           | 20°12          | 20°59 | 28°54          | 4°31  | 19°49          | 25° 3          | 24° 4    | 3°29          | 29°52          | F 27 |
| S 28 | 16 20 25 | 6°13'16          | 18°56           | 17°29          | 24°58          | 6°56           | 20°24          | 21° 0 | 28°52          | 4°33  | 19°51          | 24°56          | 24° 0    | 3°36          | 29°51          | S 28 |
| S 29 | 16 24 22 | 7°10'48          | 2 <b>₹</b> 33   | 17°39          | 26°12          | 7°38           | 20°36          | 21° 0 | 28°49          | 4°35  | 19°52          | 24°46          | 23°57    | 3°43          | 29°49          | S 29 |
| M30  | 16 28 18 | 8° 8'18          | 15°54           | 17°54          | 27°25          | 8°19           | 20°48          | 21° 0 | 28°47          | 4°37  | 19°53          | 24°34          | 23°54    | 3°49          | 29°47          | M30  |
| T 31 | 16 32 15 | 9Ⅱ 5'47          | 28 <b>×</b> 759 | 18 <b>8</b> 13 | 28 <b>8</b> 39 | 9耳 1           | 21 <b>°</b> 0  | 21≈ 0 | 28 <b>×</b> 45 | 4939  | 19 <b>Ⅱ</b> 55 | 24 Mp 22       | 23 Mp 51 | 3 <b>∺</b> 56 | 29 <b>る</b> 46 | T 31 |

Delta T = 3.98 sec

JUNE 1904 00:00 UT

| Day  | Sid.t    | $\odot$            | D               | ğ              | φ              | ♂             | 4              | ħ      | )f(             | ¥             | Р     | ß        | ಬ              | Ç              | o k            | Day  |
|------|----------|--------------------|-----------------|----------------|----------------|---------------|----------------|--------|-----------------|---------------|-------|----------|----------------|----------------|----------------|------|
| W 1  | 16 36 11 | 10 <b>I</b> I 3'15 | 11 <b>궁</b> 46  | 18 <b>8</b> 36 | 29 <b>8</b> 52 | 9 <b>Ⅱ</b> 43 | 21 <b>Y</b> 12 | 21°R 0 | 28°R43          | 49541         | 19耳56 | 24°R11   | 23 <b>m</b> 48 | 4 <b>)</b> € 2 | 29°R44         | W 1  |
| T 2  | 16 40 8  | 11° 0'42           | 24°15           | 19° 4          | 1 <b>I</b> I 6 | 10°25         | 21°24          | 21≈ 0  | 28 <b>∡</b> 40  | 4°43          | 19°58 | 24 Mp 2  | 23°44          | 4° 9           | 29 <b>궁</b> 42 | T 2  |
| F 3  | 16 44 4  | 11°58'09           | 6≈29            | 19°36          | 2°20           | 11° 6         | 21°35          | 21° 0  | 28°38           | 4°45          | 19°59 | 23°55    | 23°41          | 4°16           | 29°40          | F 3  |
| S 4  | 16 48 1  | 12°55'35           | 18°30           | 20°12          | 3°33           | 11°48         | 21°47          | 21° 0  | 28°36           | 4°47          | 20° 0 | 23°50    | 23°38          | 4°22           | 29°38          | S 4  |
| S 5  | 16 51 57 | 13°53'00           | 0 <b>∺</b> 22   | 20°52          | 4°47           | 12°30         | 21°58          | 21° 0  | 28°33           | 4°49          | 20° 2 | 23°48    | 23°35          | 4°29           | 29°36          | S 5  |
| M 6  | 16 55 54 | 14°50'24           | 12°11           | 21°36          | 6° 0           | 13°11         | 22°10          | 20°59  | 28°31           | 4°51          | 20° 3 | 23°D48   | 23°32          | 4°36           | 29°34          | M 6  |
| T 7  | 16 59 51 | 15°47'47           | 24° 1           | 22°24          | 7°14           | 13°53         | 22°21          | 20°59  | 28°29           | 4°53          | 20° 5 | 23°R48   | 23°29          | 4°42           | 29°32          | T 7  |
| W 8  | 17 3 47  | 16°45'10           | 5 <b>Ƴ</b> 59   | 23°16          | 8°27           | 14°34         | 22°32          | 20°58  | 28°26           | 4°55          | 20° 6 | 23°47    | 23°25          | 4°49           | 29°30          | W 8  |
| T 9  | 17 7 44  | 17°42'33           | 18°10           | 24°11          | 9°41           | 15°16         | 22°44          | 20°57  | 28°24           | 4°58          | 20° 7 | 23°45    | 23°22          | 4°56           | 29°28          | T 9  |
| F 10 | 17 11 40 | 18°39'55           | 0 <b>8</b> 37   | 25°10          | 10°54          | 15°57         | 22°55          | 20°56  | 28°22           | 5° 0          | 20° 9 | 23°41    | 23°19          | 5° 2           | 29°25          | F 10 |
| S 11 | 17 15 37 | 19°37'16           | 13°25           | 26°12          | 12° 8          | 16°38         | 23° 6          | 20°55  | 28°19           | 5° 2          | 20°10 | 23°35    | 23°16          | 5° 9           | 29°23          | S 11 |
| S 12 | 17 19 33 | 20°34'37           | 26°35           | 27°18          | 13°22          | 17°20         | 23°16          | 20°54  | 28°17           | 5° 4          | 20°12 | 23°26    | 23°13          | 5°16           | 29°21          | S 12 |
| M13  | 17 23 30 | 21°31'58           | 10 <b>I</b> I 8 | 28°28          | 14°35          | 18° 1         | 23°27          | 20°53  | 28°14           | 5° 6          | 20°13 | 23°15    | 23°10          | 5°22           | 29°18          | M13  |
| T 14 | 17 27 26 | 22°29'18           | 24° 2           | 29°40          | 15°49          | 18°42         | 23°38          | 20°52  | 28°12           | 5° 8          | 20°14 | 23° 3    | 23° 6          | 5°29           | 29°16          | T 14 |
| W15  | 17 31 23 | 23°26'37           | 89्ड11          | 0耳56           | 17° 2          | 19°23         | 23°48          | 20°51  | 28° 9           | 5°11          | 20°16 | 22°51    | 23° 3          | 5°36           | 29°13          | W15  |
| T 16 | 17 35 20 | 24°23'55           | 22°32           | 2°15           | 18°16          | 20° 4         | 23°59          | 20°49  | 28° 7           | 5°13          | 20°17 | 22°41    | 23° 0          | 5°42           | 29°11          | T 16 |
| F 17 | 17 39 16 | 25°21'13           | 6 <b>Ω</b> 57   | 3°38           | 19°30          | 20°45         | 24° 9          | 20°48  | 28° 5           | 5°15          | 20°19 | 22°34    | 22°57          | 5°49           | 29° 8          | F 17 |
| S 18 | 17 43 13 | 26°18'30           | 21°22           | 5° 3           | 20°43          | 21°26         | 24°19          | 20°46  | 28° 2           | 5°17          | 20°20 | 22°29    | 22°54          | 5°56           | 29° 5          | S 18 |
| S 19 | 17 47 9  | 27°15'46           | 5 <b>m</b> ) 42 | 6°32           | 21°57          | 22° 7         | 24°30          | 20°45  | 28° 0           | 5°19          | 20°21 | 22°27    | 22°50          | 6° 2           | 29° 2          | S 19 |
| M20  | 17 51 6  | 28°13'01           | 19°55           | 8° 4           | 23°10          | 22°48         | 24°40          | 20°43  | 27°57           | 5°22          | 20°23 | 22°26    | 22°47          | 6° 9           | 29° 0          | M20  |
| T 21 | 17 55 2  | 29°10'16           | 3 <b>₾</b> 58   | 9°38           | 24°24          | 23°29         | 24°49          | 20°41  | 27°55           | 5°24          | 20°24 | 22°26    | 22°44          | 6°16           | 28°57          | T 21 |
| W22  | 17 58 59 | 0 <b>න</b> 7'30    | 17°53           | 11°16          | 25°38          | 24°10         | 24°59          | 20°39  | 27°52           | 5°26          | 20°26 | 22°25    | 22°41          | 6°22           | 28°54          | W22  |
| T 23 | 18 2 55  | 1° 4'43            | 1 <b>M</b> 37   | 12°57          | 26°51          | 24°51         | 25° 9          | 20°37  | 27°50           | 5°28          | 20°27 | 22°23    | 22°38          | 6°29           | 28°51          | T 23 |
| F 24 | 18 6 52  | 2° 1'56            | 15°12           | 14°41          | 28° 5          | 25°31         | 25°18          | 20°35  | 27°47           | 5°31          | 20°28 | 22°17    | 22°35          | 6°35           | 28°48          | F 24 |
| S 25 | 18 10 49 | 2°59'08            | 28°36           | 16°28          | 29°19          | 26°12         | 25°28          | 20°33  | 27°45           | 5°33          | 20°30 | 22° 9    | 22°31          | 6°42           | 28°45          | S 25 |
| S 26 | 18 14 45 | 3°56'20            | 11 <b>.7</b> 49 | 18°18          | 0932           | 26°53         | 25°37          | 20°30  | 27°43           | 5°35          | 20°31 | 21°59    | 22°28          | 6°49           | 28°42          | S 26 |
| M27  | 18 18 42 | 4°53'31            | 24°50           | 20°10          | 1°46           | 27°33         | 25°46          | 20°28  | 27°40           | 5°37          | 20°32 | 21°47    | 22°25          | 6°55           | 28°39          | M27  |
| T 28 | 18 22 38 | 5°50'42            | 7 <b>云</b> 37   | 22° 6          | 3° 0           | 28°14         | 25°55          | 20°26  | 27°38           | 5°39          | 20°34 | 21°35    | 22°22          | 7° 2           | 28°36          | T 28 |
| W29  | 18 26 35 | 6°47'53            | 20°10           | 24° 3          | 4°13           | 28°54         | 26° 4          | 20°23  | 27°35           | 5°42          | 20°35 | 21°23    | 22°19          | 7° 9           | 2 <u>8</u> °33 | W29  |
| T 30 | 18 30 31 | 79545'04           | 2≈29            | 26耳 3          | 5927           | 29耳35         | 26 <b>Υ</b> 13 | 20≈20  | 27 <b>,</b> ₹33 | 5 <b>9</b> 44 | 20耳37 | 21 Mp 13 | 22 Mp 16       | 7 <b>₩</b> 15  | 28 <b>궁</b> 30 | T 30 |

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| Day          | Sid.t                | 0                    | D                       | ğ               | Q.             | ð              | 4              | ħ              | )f(                            | Ħ,           | В               | N.             | v              | ţ              | o<br>k         | Day          |
|--------------|----------------------|----------------------|-------------------------|-----------------|----------------|----------------|----------------|----------------|--------------------------------|--------------|-----------------|----------------|----------------|----------------|----------------|--------------|
| F 1          | 18 34 28             | 89642'15             | 14≈36                   | 28耳 5           | 69641          | 09915          | 26 <b>Y</b> 22 | 20°R18         | 27°R31                         | 59346        | 20耳38           | 21°R 6         | 22 m/12        | 7 <b>)</b> 22  | 28°R26         | F 1          |
| S 2          | 18 38 24             | 9°39'25              | 26°33                   | 099 9           | 7°54           | 0°56           | 26°30          | 20≈15          | 27 <b>×</b> 728                | 5°48         | 20°39           | 21 mg 1        | 22° 9          | 7°29           | 28 <b>궁</b> 23 | S 2          |
| S 3          | 18 42 21             | 10°36'36             | 8 <b>¥</b> 24           | 2°15            | 9° 8           | 1°36           | 26°39          | 20°12          | 27°26                          | 5°51         | 20°41           | 20°58          | 22° 6          | 7°35           | 28°20          | S 3          |
| M 4          | 18 46 18             | 11°33'47             | 20°11                   | 4°22            | 10°22          | 2°16           | 26°47          | 20° 9          | 27°23                          | 5°53         | 20°42           | 20°D57         | 22° 3          | 7°42           | 28°17          | M 4          |
| T 5          | 18 50 14             | 12°30'59             | 2 <b>Υ</b> 1            | 6°30            | 11°36          | 2°57           | 26°55          | 20° 6          | 27°21                          | 5°55         | 20°43           | 20°58          | 22° 0          | 7°49           | 28°13          | T 5          |
| W 6          | 18 54 11             | 13°28'10             | 13°59                   | 8°39            | 12°49          | 3°37           | 27° 3          | 20° 3          | 27°19                          | 5°57         | 20°45           | 20°R58         | 21°56          | 7°55           | 28°10          | W 6          |
| T 7          | 18 58 7              | 14°25'22             | 26° 9                   | 10°49           | 14° 3          | 4°17           | 27°11          | 20° 0          | 27°16                          | 6° 0         | 20°46           | 20°57          | 21°53          | 8° 2           | 28° 7          | T 7          |
| F 8          | 19 2 4               | 15°22'35             | 8 <b>8</b> 37           | 12°59           | 15°17          | 4°57           | 27°19          | 19°57          | 27°14                          | 6° 2         | 20°47           | 20°55          | 21°50          | 8° 9           | 28° 3          | F 8          |
| S 9          | 19 6 0               | 16°19'48             | 21°28                   | 15° 9           | 16°31          | 5°37           | 27°26          | 19°53          | 27°12                          | 6° 4         | 20°48           | 20°50          | 21°47          | 8°15           | 28° 0          | S 9          |
| S 10         | 19 9 57              | 17°17'01             | 4∏44                    | 17°18           | 17°44          | 6°17           | 27°34          | 19°50          | 27°10                          | 6° 6         | 20°50           | 20°43          | 21°44          | 8°22           | 27°56          | S 10         |
| M11          | 19 13 53             | 18°14'14             | 18°27                   | 19°28           | 18°58          | 6°57           | 27°41          | 19°47          | 27° 7                          | 6° 8         | 20°51           | 20°35          | 21°41          | 8°29           | 27°53          | M11          |
| T 12         | 19 17 50             | 19°11'29             | 2934                    | 21°36           | 20°12          | 7°37           | 27°48          | 19°43          | 27° 5                          | 6°11         | 20°52           | 20°25          | 21°37          | 8°35           | 27°50          | T 12         |
| W13          | 19 21 47             | 20° 8'43             | 17° 2                   | 23°43           | 21°26          | 8°17           | 27°55          | 19°40          | 27° 3                          | 6°13         | 20°54           | 20°16          | 21°34          | 8°42           | 27°46          | W13          |
| T 14         | 19 25 43             | 21° 5'58             | 1 <b>Ω</b> 45           | 25°49           | 22°40          | 8°57           | 28° 2          | 19°36          | 27° 1                          | 6°15         | 20°55           | 20° 8          | 21°31          | 8°48           | 27°43          | T 14         |
| F 15         | 19 29 40             | 22° 3'13             | 16°34                   | 27°54           | 23°54          | 9°37           | 28° 8          | 19°32          | 26°59                          | 6°17         | 20°56           | 20° 2          | 21°28          | 8°55           | 27°39          | F 15         |
| S 16         | 19 33 36             | 23° 0'28             | 1 <b>m</b> 21           | 29°58           | 25° 8          | 10°17          | 28°15          | 19°29          | 26°57                          | 6°19         | 20°57           | 19°58          | 21°25          | 9° 2           | 27°36          | S 16         |
| S 17         | 19 37 33             | 23°57'43             | 16° 1                   | 2 <b>N</b> 0    | 26°21          | 10°57          | 28°21          | 19°25          | 26°54                          | 6°21         | 20°58           | 19°D57         | 21°22          | 9° 8           | 27°32          | S 17         |
| M18          | 19 41 29             | 24°54'59             | 0 <b>ჲ</b> 27           | 4° 0            | 27°35          | 11°37          | 28°27          | 19°21          | 26°52                          | 6°24         | 21° 0           | 19°57          | 21°18          | 9°15           | 27°29          | M18          |
| T 19         | 19 45 26             | 25°52'14             | 14°38                   | 5°59            | 28°49          | 12°16          | 28°34          | 19°17          | 26°50                          | 6°26         | 21° 1           | 19°58          | 21°15          | 9°22           | 27°25          | T 19         |
| W20          | 19 49 22             | 26°49'30             | 28°32                   | 7°56            | 0 <b>Ω</b> 3   | 12°56          | 28°39          | 19°13          | 26°48                          | 6°28         | 21° 2           | 19°R58         | 21°12          | 9°28           | 27°22          | W20          |
| T 21         | 19 53 19             | 27°46'46             | 12M 9                   | 9°52            | 1°17           | 13°36          | 28°45          | 19° 9          | 26°46                          | 6°30         | 21° 3           | 19°57          | 21° 9          | 9°35           | 27°18          | T 21         |
| F 22<br>S 23 | 19 57 16<br>20 1 12  | 28°44'03<br>29°41'19 | 25°31<br>8 <b>∡</b> 738 | 11°45<br>13°37  | 2°31<br>3°45   | 14°15<br>14°55 | 28°51<br>28°56 | 19° 5<br>19° 1 | 26°44<br>26°42                 | 6°32<br>6°34 | 21° 4<br>21° 6  | 19°54<br>19°49 | 21° 6<br>21° 2 | 9°42<br>9°48   | 27°15<br>27°11 | F 22<br>S 23 |
|              |                      |                      |                         |                 |                |                |                | -              | -                              |              |                 |                |                |                |                |              |
| S 24         | 20 5 9               | 0€38'36              | 21°31                   | 15°27           | 4°59           | 15°34          | 29° 1          | 18°57          | 26°41                          | 6°36         | 21° 7           | 19°43          | 20°59          | 9°55           | 27° 8          | S 24         |
| M25          | 20 9 5               | 1°35'54              | 4 <b>궁</b> 12           | 17°16           | 6°13           | 16°14          | 29° 6          | 18°53          | 26°39                          | 6°38         | 21° 8           | 19°34          | 20°56          | 10° 2          | 27° 4          | M25          |
| T 26         | 20 13 2              | 2°33'12              | 16°41                   | 19° 3           | 7°27           | 16°53          | 29°11          | 18°49          | 26°37                          | 6°40         | 21° 9           | 19°26          | 20°53          | 10° 8          | 27° 1          | T 26         |
| W27          | 20 16 58             | 3°30'31<br>4°27'50   | 28°59                   | 20°48           | 8°40<br>9°54   | 17°33<br>18°12 | 29°16<br>29°20 | 18°44<br>18°40 | 26°35<br>26°33                 | 6°42<br>6°44 | 21°10<br>21°11  | 19°18<br>19°11 | 20°50<br>20°47 | 10°15          | 26°57          | W27<br>T 28  |
| T 28<br>F 29 | 20 20 55<br>20 24 51 | 5°25'11              | 11 <b>≈</b> 6<br>23° 5  | 22°31<br>24°12  | 9°54<br>11° 8  | 18°12<br>18°51 | 29°20<br>29°25 | 18°40<br>18°36 | 26°33<br>26°32                 | 6°44         | 21°11<br>21°12  | 19°11<br>19° 6 | 20°47<br>20°43 | 10°22<br>10°28 | 26°54<br>26°51 | F 29         |
| S 30         | 20 24 31 20 28 48    | 6°22'32              | 4 <b>) (</b> 57         | 24 12<br>25°52  | 12°22          | 18 31<br>19°30 | 29°29          | 18°32          | 26°32<br>26°30                 | 6°48         | 21°13           | 19 0<br>19° 3  | 20°40          | 10°28          | 26°47          | S 30         |
| S 31         | 20 32 45             | $7\Omega_{19'54}$    | 16 <b>¥</b> 45          | $27\Omega_{30}$ | 13 <b>Ω</b> 36 | 20910          | 29 <b>Y</b> 33 | 18 <b>≈</b> 27 | 26 <b>3</b> 0 26 <b>3</b> 0 28 | 6950         | 21 <b>1</b> 13  | 19°D 2         | 20 m 37        | 10 33          | 26 <b>3</b> 44 | S 31         |
| 3 31         | 20 32 43             | 1061934              | 10/(43                  | 210630          | 120620         | 10ء            | 49 I 33        | 10~~2/         | 201 20                         | 0 د د د      | 41 <b>بر</b> 14 | 17 D Z         | 20 IJ 3 /      | 10)(41         | 20044          | 3 31         |

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|------|----------|------------------|----------------|---------------|----------------|---------------|----------------|----------------|----------------|-------|-----------------|-----------------|-----------------|----------------|----------------|------|
| M 1  | 20 36 41 | 8 <b>Ω</b> 17'17 | 28 <b>)</b> 32 | 29 <b>N</b> 7 | 14 <b>Ω</b> 50 | 209649        | 29 <b>Y</b> 37 | 18°R23         | 26°R27         | 6952  | 21 <b>I</b> I15 | 19Mp 2          | 20 <b>m</b> 34  | 10 <b>∺</b> 48 | 26°R40         | M 1  |
| T 2  | 20 40 38 | 9°14'41          | 10 <b>Υ</b> 22 | 0 <b>₯</b> 42 | 16° 4          | 21°28         | 29°40          | 18 <b>≈</b> 19 | 26 <b>₹</b> 25 | 6°54  | 21°16           | 19° 4           | 20°31           | 10°55          | 26 <b>궁</b> 37 | T 2  |
| W 3  | 20 44 34 | 10°12'06         | 22°19          | 2°15          | 17°18          | 22° 7         | 29°44          | 18°14          | 26°24          | 6°56  | 21°17           | 19° 5           | 20°27           | 11° 1          | 26°34          | W 3  |
| T 4  | 20 48 31 | 11° 9'33         | 4829           | 3°46          | 18°32          | 22°46         | 29°47          | 18°10          | 26°22          | 6°58  | 21°18           | 19° 7           | 20°24           | 11° 8          | 26°30          | T 4  |
| F 5  | 20 52 27 | 12° 7'00         | 16°55          | 5°16          | 19°46          | 23°26         | 29°50          | 18° 5          | 26°21          | 7° 0  | 21°19           | 19°R 7          | 20°21           | 11°15          | 26°27          | F 5  |
| S 6  | 20 56 24 | 13° 4'29         | 29°44          | 6°43          | 21° 0          | 24° 5         | 29°53          | 18° 1          | 26°19          | 7° 2  | 21°20           | 19° 5           | 20°18           | 11°21          | 26°24          | S 6  |
| S 7  | 21 0 20  | 14° 2'00         | 12耳58          | 8°10          | 22°14          | 24°44         | 29°56          | 17°56          | 26°18          | 7° 4  | 21°21           | 19° 3           | 20°15           | 11°28          | 26°20          | S 7  |
| M 8  | 21 4 17  | 14°59'32         | 26°39          | 9°34          | 23°28          | 25°23         | 29°58          | 17°52          | 26°16          | 7° 6  | 21°22           | 18°59           | 20°12           | 11°35          | 26°17          | M 8  |
| T 9  | 21 8 14  | 15°57'05         | 109549         | 10°57         | 24°42          | 26° 2         | 0 <b>8</b> 0   | 17°47          | 26°15          | 7° 8  | 21°23           | 18°54           | 20° 8           | 11°41          | 26°14          | T 9  |
| W10  | 21 12 10 | 16°54'39         | 25°23          | 12°17         | 25°57          | 26°40         | 0° 2           | 17°43          | 26°14          | 7° 9  | 21°24           | 18°49           | 20° 5           | 11°48          | 26°11          | W10  |
| T 11 | 21 16 7  | 17°52'15         | $10\Omega16$   | 13°36         | 27°11          | 27°19         | 0° 4           | 17°38          | 26°13          | 7°11  | 21°25           | 18°45           | 20° 2           | 11°55          | 26° 8          | T 11 |
| F 12 | 21 20 3  | 18°49'52         | 25°20          | 14°53         | 28°25          | 27°58         | 0° 6           | 17°34          | 26°11          | 7°13  | 21°25           | 18°42           | 19°59           | 12° 1          | 26° 5          | F 12 |
| S 13 | 21 24 0  | 19°47'30         | 10 <b>m</b> 26 | 16° 8         | 29°39          | 28°37         | 0° 8           | 17°29          | 26°10          | 7°15  | 21°26           | 18°41           | 19°56           | 12° 8          | 26° 2          | S 13 |
| S 14 | 21 27 56 | 20°45'09         | 25°25          | 17°21         | 0 <b>m</b> 53  | 29°16         | 0° 9           | 17°25          | 26° 9          | 7°16  | 21°27           | 18°D41          | 19°53           | 12°15          | 25°59          | S 14 |
| M15  | 21 31 53 | 21°42'49         | 10 <b>亞</b> 9  | 18°32         | 2° 7           | 29°55         | 0°10           | 17°20          | 26° 8          | 7°18  | 21°28           | 18°42           | 19°49           | 12°21          | 25°56          | M15  |
| T 16 | 21 35 49 | 22°40'30         | 24°34          | 19°41         | 3°21           | 0 <b>Ω</b> 33 | 0°11           | 17°16          | 26° 7          | 7°20  | 21°29           | 18°43           | 19°46           | 12°28          | 25°53          | T 16 |
| W17  | 21 39 46 | 23°38'12         | 8 <b>M</b> .37 | 20°47         | 4°35           | 1°12          | 0°12           | 17°11          | 26° 6          | 7°22  | 21°29           | 18°44           | 19°43           | 12°34          | 25°50          | W17  |
| T 18 | 21 43 43 | 24°35'55         | 22°17          | 21°51         | 5°49           | 1°51          | 0°12           | 17° 7          | 26° 5          | 7°23  | 21°30           | 18°R45          | 19°40           | 12°41          | 25°47          | T 18 |
| F 19 | 21 47 39 | 25°33'39         | 5 <b>₹</b> 35  | 22°53         | 7° 3           | 2°29          | 0°13           | 17° 3          | 26° 4          | 7°25  | 21°31           | 18°45           | 19°37           | 12°48          | 25°44          | F 19 |
| S 20 | 21 51 36 | 26°31'25         | 18°34          | 23°52         | 8°17           | 3° 8          | 0°R13          | 16°58          | 26° 4          | 7°26  | 21°32           | 18°43           | 19°33           | 12°54          | 25°41          | S 20 |
| S 21 | 21 55 32 | 27°29'11         | 1 <b>ට</b> 15  | 24°48         | 9°32           | 3°46          | 0°13           | 16°54          | 26° 3          | 7°28  | 21°32           | 18°41           | 19°30           | 13° 1          | 25°38          | S 21 |
| M22  | 21 59 29 | 28°26'59         | 13°42          | 25°41         | 10°46          | 4°25          | 0°13           | 16°49          | 26° 2          | 7°30  | 21°33           | 18°38           | 19°27           | 13° 8          | 25°36          | M22  |
| T 23 | 22 3 25  | 29°24'48         | 25°56          | 26°31         | 12° 0          | 5° 3          | 0°12           | 16°45          | 26° 1          | 7°31  | 21°34           | 18°35           | 19°24           | 13°14          | 25°33          | T 23 |
| W24  | 22 7 22  | 0 <b>m</b> 22'38 | 8≈ 1           | 27°18         | 13°14          | 5°42          | 0°11           | 16°41          | 26° 1          | 7°33  | 21°34           | 18°32           | 19°21           | 13°21          | 25°31          | W24  |
| T 25 | 22 11 18 | 1°20'30          | 19°58          | 28° 2         | 14°28          | 6°20          | 0°11           | 16°37          | 26° 0          | 7°34  | 21°35           | 18°30           | 19°18           | 13°28          | 25°28          | T 25 |
| F 26 | 22 15 15 | 2°18'23          | 1 <b>米</b> 50  | 28°42         | 15°42          | 6°58          | 0°10           | 16°32          | 26° 0          | 7°36  | 21°35           | 18°28           | 19°14           | 13°34          | 25°26          | F 26 |
| S 27 | 22 19 12 | 3°16'18          | 13°39          | 29°18         | 16°56          | 7°37          | 0° 8           | 16°28          | 25°59          | 7°37  | 21°36           | 18°D28          | 19°11           | 13°41          | 25°23          | S 27 |
| S 28 | 22 23 8  | 4°14'14          | 25°26          | 29°50         | 18°10          | 8°15          | 0° 7           | 16°24          | 25°59          | 7°38  | 21°36           | 18°28           | 19° 8           | 13°48          | 25°21          | S 28 |
| M29  | 22 27 5  | 5°12'12          | 7 <b>Υ</b> 15  | 0 <b>ჲ</b> 18 | 19°24          | 8°53          | 0° 5           | 16°20          | 25°58          | 7°40  | 21°37           | 18°28           | 19° 5           | 13°54          | 25°18          | M29  |
| T 30 | 22 31 1  | 6°10'12          | 19° 8          | 0°41          | 20°38          | 9°32          | 0° 3           | 16°16          | 25°58          | 7°41  | 21°38           | 18°29           | 19° 2           | 14° 1          | 25°16          | T 30 |
| W31  | 22 34 58 | 7 Mg 8'13        | 1 <b>8</b> 9   | 0 <b>ჲ</b> 59 | 21 <b>m</b> 53 | 10Ω10         | 0 <b>8</b> 1   | 16≈12          | 25 <b>₹</b> 58 | 79542 | 21耳38           | 18 <b>m</b> /30 | 18 <b>m</b> /59 | 14 <b>米</b> 7  | 25 <b>궁</b> 14 | W31  |

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SEPTEMBER 1904 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ               | P              | ď              | 4              | ħ      | )f(            | ¥            | Р               | ß               | ß              | ţ                | o<br>k         | Day  |
|------|----------|------------------|----------------|-----------------|----------------|----------------|----------------|--------|----------------|--------------|-----------------|-----------------|----------------|------------------|----------------|------|
| T 1  | 22 38 54 | 8 Mp 6'17        | 13820          | 1 <b>≏</b> 11   | 23 mg 7        | 10 <b>Ω</b> 48 | 29°R59         | 16°R 8 | 25°R58         | 79544        | 21 <b>II</b> 38 | 18 <b>m</b> /31 | 18 <b>m</b> 55 | 14 <b>) (</b> 14 | 25°R12         | T 1  |
| F 2  | 22 42 51 | 9° 4'22          | 25°47          | 1°19            | 24°21          | 11°26          | 29 <b>Y</b> 57 | 16≈ 4  | 25 <b>₹</b> 57 | 7°45         | 21°39           | 18°32           | 18°52          | 14°21            | 25 <b>궁</b> 10 | F 2  |
| S 3  | 22 46 47 | 10° 2'29         | 8Д33           | 1°R20           | 25°35          | 12° 4          | 29°54          | 16° 0  | 25°57          | 7°46         | 21°39           | 18°R32          | 18°49          | 14°27            | 25° 8          | S 3  |
| S 4  | 22 50 44 | 11° 0'39         | 21°42          | 1°16            | 26°49          | 12°42          | 29°51          | 15°56  | 25°57          | 7°48         | 21°40           | 18°32           | 18°46          | 14°34            | 25° 6          | S 4  |
| M 5  | 22 54 41 | 11°58'50         | 59916          | 1° 5            | 28° 3          | 13°20          | 29°48          | 15°52  | 25°D57         | 7°49         | 21°40           | 18°32           | 18°43          | 14°41            | 25° 4          | M 5  |
| T 6  | 22 58 37 | 12°57'03         | 19°17          | 0°48            | 29°17          | 13°58          | 29°45          | 15°48  | 25°57          | 7°50         | 21°40           | 18°31           | 18°39          | 14°47            | 25° 2          | T 6  |
| W 7  | 23 2 34  | 13°55'19         | 3 <b>Ω</b> 43  | 0°25            | 0 <b>ჲ</b> 31  | 14°36          | 29°42          | 15°45  | 25°57          | 7°51         | 21°41           | 18°31           | 18°36          | 14°54            | 25° 0          | W 7  |
| T 8  | 23 6 30  | 14°53'36         | 18°31          | 29 <b>m</b> 55  | 1°46           | 15°14          | 29°38          | 15°41  | 25°57          | 7°52         | 21°41           | 18°30           | 18°33          | 15° 1            | 24°58          | T 8  |
| F 9  | 23 10 27 | 15°51'56         | 3 <b>m</b> 36  | 29°19           | 3° 0           | 15°52          | 29°34          | 15°37  | 25°58          | 7°53         | 21°41           | 18°30           | 18°30          | 15° 7            | 24°56          | F 9  |
| S 10 | 23 14 23 | 16°50'17         | 18°47          | 28°37           | 4°14           | 16°30          | 29°30          | 15°34  | 25°58          | 7°54         | 21°42           | 18°D30          | 18°27          | 15°14            | 24°55          | S 10 |
| S 11 | 23 18 20 | 17°48'40         | 3 <b>≙</b> 57  | 27°49           | 5°28           | 17° 8          | 29°26          | 15°30  | 25°58          | 7°55         | 21°42           | 18°30           | 18°24          | 15°21            | 24°53          | S 11 |
| M12  | 23 22 16 | 18°47'04         | 18°55          | 26°56           | 6°42           | 17°46          | 29°22          | 15°27  | 25°58          | 7°56         | 21°42           | 18°R30          | 18°20          | 15°27            | 24°52          | M12  |
| T 13 | 23 26 13 | 19°45'31         | 3MJ35          | 25°59           | 7°56           | 18°24          | 29°17          | 15°24  | 25°59          | 7°57         | 21°42           | 18°30           | 18°17          | 15°34            | 24°50          | T 13 |
| W14  | 23 30 9  | 20°43'59         | 17°50          | 24°58           | 9°10           | 19° 2          | 29°13          | 15°21  | 25°59          | 7°58         | 21°43           | 18°30           | 18°14          | 15°41            | 24°49          | W14  |
| T 15 | 23 34 6  | 21°42'28         | 1 <b>₹</b> 39  | 23°56           | 10°24          | 19°39          | 29° 8          | 15°17  | 26° 0          | 7°59         | 21°43           | 18°30           | 18°11          | 15°47            | 24°48          | T 15 |
| F 16 | 23 38 3  | 22°41'00         | 15° 2          | 22°53           | 11°38          | 20°17          | 29° 3          | 15°14  | 26° 0          | 8° 0         | 21°43           | 18°29           | 18° 8          | 15°54            | 24°47          | F 16 |
| S 17 | 23 41 59 | 23°39'33         | 28° 1          | 21°51           | 12°53          | 20°55          | 28°58          | 15°11  | 26° 1          | 8° 1         | 21°43           | 18°D29          | 18° 4          | 16° 0            | 24°45          | S 17 |
| S 18 | 23 45 56 | 24°38'07         | 10 <b>궁</b> 38 | 20°52           | 14° 7          | 21°32          | 28°52          | 15° 8  | 26° 2          | 8° 2         | 21°43           | 18°30           | 18° 1          | 16° 7            | 24°44          | S 18 |
| M19  | 23 49 52 | 25°36'44         | 22°57          | 19°56           | 15°21          | 22°10          | 28°47          | 15° 5  | 26° 2          | 8° 2         | 21°43           | 18°30           | 17°58          | 16°14            | 24°43          | M19  |
| T 20 | 23 53 49 | 26°35'22         | 5≈ 4           | 19° 6           | 16°35          | 22°47          | 28°41          | 15° 3  | 26° 3          | 8° 3         | 21°43           | 18°31           | 17°55          | 16°20            | 24°42          | T 20 |
| W21  | 23 57 45 | 27°34'01         | 17° 0          | 18°22           | 17°49          | 23°25          | 28°35          | 15° 0  | 26° 4          | 8° 4         | 21°43           | 18°32           | 17°52          | 16°27            | 24°42          | W21  |
| T 22 | 0 1 42   | 28°32'43         | 28°51          | 17°46           | 19° 3          | 24° 2          | 28°29          | 14°57  | 26° 5          | 8° 5         | 21°R43          | 18°33           | 17°49          | 16°34            | 24°41          | T 22 |
| F 23 | 0 5 38   | 29°31'26         | 10 <b>米</b> 39 | 17°19           | 20°17          | 24°40          | 28°23          | 14°55  | 26° 6          | 8° 5         | 21°43           | 18°33           | 17°45          | 16°40            | 24°40          | F 23 |
| S 24 | 0 9 35   | 0 <b>₾</b> 30'11 | 22°27          | 17° 1           | 21°31          | 25°17          | 28°17          | 14°52  | 26° 6          | 8° 6         | 21°43           | 18°R33          | 17°42          | 16°47            | 24°39          | S 24 |
| S 25 | 0 13 32  | 1°28'58          | <b>4Υ</b> 17   | 16°D53          | 22°45          | 25°55          | 28°11          | 14°50  | 26° 7          | 8° 6         | 21°43           | 18°33           | 17°39          | 16°54            | 24°39          | S 25 |
| M26  | 0 17 28  | 2°27'48          | 16°11          | 16°56           | 23°59          | 26°32          | 28° 4          | 14°48  | 26° 9          | 8° 7         | 21°43           | 18°32           | 17°36          | 17° 0            | 24°38          | M26  |
| T 27 | 0 21 25  | 3°26'39          | 28°13          | 17° 8           | 25°13          | 27° 9          | 27°57          | 14°45  | 26°10          | 8° 7         | 21°43           | 18°30           | 17°33          | 17° 7            | 24°38          | T 27 |
| W28  | 0 25 21  | 4°25'32          | 10822          | 17°30           | 26°27          | 27°47          | 27°51          | 14°43  | 26°11          | 8° 8         | 21°43           | 18°27           | 17°30          | 17°14            | 24°37          | W28  |
| T 29 | 0 29 18  | 5°24'28          | 22°43          | 18° 2           | 27°41          | 28°24          | 27°44          | 14°41  | 26°12          | 8° 8         | 21°43           | 18°25           | 17°26          | 17°20            | 24°37          | T 29 |
| F 30 | 0 33 14  | 6 <b>₽</b> 23'26 | 5 <b>Ⅱ</b> 16  | 18 <b>M</b> )43 | 28 <b>≏</b> 55 | 29⋒ 1          | 27 <b>Y</b> 37 | 14≈39  | 26 <b>х</b> 13 | 8 <b>9</b> 9 | 21 <b>II</b> 42 | 18 <b>m</b> 23  | 17 <b>m</b> 23 | 17 <b>)</b> 27   | 24 <b>궁</b> 37 | F 30 |

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OCTOBER 1904 00:00 UT

| Day   | Sid.t   | 0                | D              | Ϋ́             | φ             | ď                | 4              | ħ              | )‡(             | <del>¥</del> | В               | n               | Ω              | Ç                | ķ              | Day   |
|-------|---------|------------------|----------------|----------------|---------------|------------------|----------------|----------------|-----------------|--------------|-----------------|-----------------|----------------|------------------|----------------|-------|
| S 1   | 0 37 11 | 7 <b>₽</b> 22'26 | 18 <b>I</b> 5  | 19 <b>m</b> 32 | 0 <b>TL</b> 9 | 29€39            | 27°R30         | 14°R37         | 26 <b>×</b> 15  | 8 <b>9</b> 9 | 21°R42          | 18°R21          | 17 <b>m</b> 20 | 17 <b>) (</b> 33 | 24°R37         | S 1   |
|       |         |                  |                |                |               | 29 <b>6 (</b> 39 |                | 14 K3/         |                 |              |                 |                 |                |                  |                |       |
| S 2   | 0 41 7  | 8°21'28          | 19912          | 20°30          | 1°23          | 0 <b>m</b> /16   | 27 <b>Y</b> 22 | 14 <b>≈</b> 36 | 26°16           | 8° 9         | 21 <b>II</b> 42 | 18 <b>m</b> 20  | 17°17          | 17°40            | 24°D37         | S 2   |
| M 3   | 0 45 4  | 9°20'33          | 14°39          | 21°34          | 2°37          | 0°53             | 27°15          | 14°34          | 26°17           | 8°10         | 21°42           | 18°D20          | 17°14          | 17°47            | 24 <b>궁</b> 37 | M 3   |
| T 4   | 0 49 1  | 10°19'40         | 28°28          | 22°45          | 3°51          | 1°30             | 27° 8          | 14°32          | 26°19           | 8°10         | 21°42           | 18°20           | 17°10          | 17°53            | 24°37          | T 4   |
| W 5   | 0 52 57 | 11°18'50         | 12 <b>Ω</b> 39 | 24° 2          | 5° 5          | 2° 7             | 27° 0          | 14°31          | 26°20           | 8°10         | 21°41           | 18°22           | 17° 7          | 18° 0            | 24°37          | W 5   |
| T 6   | 0 56 54 | 12°18'02         | 27°11          | 25°24          | 6°19          | 2°44             | 26°53          | 14°30          | 26°22           | 8°11         | 21°41           | 18°23           | 17° 4          | 18° 7            | 24°37          | T 6   |
| F 7   | 1 0 50  | 13°17'16         | 12 mg 0        | 26°50          | 7°33          | 3°21             | 26°45          | 14°28          | 26°23           | 8°11         | 21°41           | 18°R24          | 17° 1          | 18°13            | 24°38          | F 7   |
| S 8   | 1 4 47  | 14°16'32         | 27° 1          | 28°20          | 8°47          | 3°58             | 26°37          | 14°27          | 26°25           | 8°11         | 21°40           | 18°24           | 16°58          | 18°20            | 24°38          | S 8   |
| S 9   | 1 8 43  | 15°15'50         | 12 <b>♀</b> 6  | 29°53          | 10° 1         | 4°35             | 26°29          | 14°26          | 26°27           | 8°11         | 21°40           | 18°22           | 16°55          | 18°27            | 24°38          | S 9   |
| M10   | 1 12 40 | 16°15'11         | 27° 5          | 1 <b>≏</b> 28  | 11°15         | 5°12             | 26°22          | 14°25          | 26°28           | 8°11         | 21°40           | 18°20           | 16°51          | 18°33            | 24°39          | M10   |
| T 11  | 1 16 36 | 17°14'33         | 11 <b>M</b> 50 | 3° 6           | 12°29         | 5°49             | 26°14          | 14°24          | 26°30           | 8°11         | 21°39           | 18°16           | 16°48          | 18°40            | 24°40          | T 11  |
| W12   | 1 20 33 | 18°13'58         | 26°13          | 4°45           | 13°43         | 6°26             | 26° 6          | 14°23          | 26°32           | 8°R11        | 21°39           | 18°11           | 16°45          | 18°47            | 24°40          | W12   |
| T 13  | 1 24 29 | 19°13'24         | 10 <b>×</b> 11 | 6°26           | 14°57         | 7° 2             | 25°58          | 14°23          | 26°34           | 8°11         | 21°38           | 18° 7           | 16°42          | 18°53            | 24°41          | T 13  |
| F 14  | 1 28 26 | 20°12'52         | 23°41          | 8° 7           | 16°11         | 7°39             | 25°50          | 14°22          | 26°36           | 8°11         | 21°38           | 18° 3           | 16°39          | 19° 0            | 24°42          | F 14  |
| S 15  | 1 32 23 | 21°12'22         | 6 <b>පි</b> 44 | 9°50           | 17°24         | 8°16             | 25°41          | 14°22          | 26°38           | 8°11         | 21°37           | 18° 1           | 16°36          | 19° 6            | 24°43          | S 15  |
| S 16  | 1 36 19 | 22°11'54         | 19°23          | 11°32          | 18°38         | 8°53             | 25°33          | 14°21          | 26°40           | 8°11         | 21°37           | 18°D 0          | 16°32          | 19°13            | 24°44          | S 16  |
| M17   | 1 40 16 | 23°11'27         | 1≈42           | 13°15          | 19°52         | 9°29             | 25°25          | 14°21          | 26°42           | 8°11         | 21°36           | 18° 0           | 16°29          | 19°20            | 24°45          | M17   |
| T 18  | 1 44 12 | 24°11'02         | 13°46          | 14°58          | 21° 6         | 10° 6            | 25°17          | 14°21          | 26°44           | 8°10         | 21°36           | 18° 1           | 16°26          | 19°26            | 24°46          | T 18  |
| W19   | 1 48 9  | 25°10'39         | 25°39          | 16°41          | 22°20         | 10°42            | 25° 9          | 14°D21         | 26°46           | 8°10         | 21°35           | 18° 3           | 16°23          | 19°33            | 24°47          | W19   |
| T 20  | 1 52 5  | 26°10'18         | 7 <b>)</b> €27 | 18°24          | 23°34         | 11°19            | 25° 1          | 14°21          | 26°48           | 8°10         | 21°35           | 18° 5           | 16°20          | 19°40            | 24°48          | T 20  |
| F 21  | 1 56 2  | 27° 9'58         | 19°14          | 20° 7          | 24°48         | 11°56            | 24°53          | 14°21          | 26°50           | 8°10         | 21°34           | 18°R 5          | 16°16          | 19°46            | 24°50          | F 21  |
| S 22  | 1 59 58 | 28° 9'40         | 1 <b>°</b> 4   | 21°50          | 26° 1         | 12°32            | 24°45          | 14°21          | 26°53           | 8° 9         | 21°34           | 18° 4           | 16°13          | 19°53            | 24°51          | S 22  |
| S 23  | 2 3 55  | 29° 9'24         | 13° 0          | 23°32          | 27°15         | 13° 8            | 24°37          | 14°21          | 26°55           | 8° 9         | 21°33           | 18° 1           | 16°10          | 20° 0            | 24°52          | S 23  |
| M24   | 2 7 52  | 0ML 9'10         | 25° 3          | 25°13          | 28°29         | 13°45            | 24°29          | 14°22          | 26°57           | 8° 9         | 21°32           | 17°56           | 16° 7          | 20° 6            | 24°54          | M24   |
| T 25  | 2 11 48 | 1° 8'58          | 7 <b>8</b> 17  | 26°55          | 29°43         | 14°21            | 24°21          | 14°22          | 27° 0           | 8° 8         | 21°32           | 17°50           | 16° 4          | 20°13            | 24°56          | T 25  |
| W26   | 2 15 45 | 2° 8'48          | 19°42          | 28°35          | 0 <b>₹</b> 57 | 14°57            | 24°13          | 14°23          | 27° 2           | 8° 8         | 21°31           | 17°42           | 16° 1          | 20°20            | 24°57          | W26   |
| T 27  | 2 19 41 | 3° 8'41          | 2П19           | 0M16           | 2°10          | 15°34            | 24° 5          | 14°24          | 27° 4           | 8° 7         | 21°30           | 17°33           | 15°57          | 20°26            | 24°59          | T 27  |
| F 28  | 2 23 38 | 4° 8'35          | 15° 7          | 1°55           | 3°24          | 16°10            | 23°57          | 14°25          | 27° 7           | 8° 7         | 21°29           | 17°25           | 15°54          | 20°33            | 25° 1          | F 28  |
| S 29  | 2 27 34 | 5° 8'31          | 28° 9          | 3°35           | 4°38          | 16°46            | 23°49          | 14°26          | 27° 9           | 8° 6         | 21°29           | 17°18           | 15°51          | 20°39            | 25° 3          | S 29  |
| S 30  | 2 31 31 | 6° 8'29          | 119923         | 5°14           | 5°51          | 17°22            | 23°41          | 14°27          | 27°12           | 8° 5         | 21°28           | 17°13           | 15°48          | 20°46            | 25° 5          | S 30  |
| M31   | 2 35 27 | 7 <b>M</b> 8'30  | 24951          | 6M52           | 7 <b>.7</b> 5 | 17 mp 58         | 23 <b>Y</b> 33 | 14≈28          | 27 <b>-7</b> 15 | 8 <b>9</b> 5 | 21 <b>II</b> 27 | 17 <b>m</b> )11 | 15 mp 45       | 20 <b>米</b> 53   | 25 <b>궁</b> 7  | M31   |
| 1,101 | 2 33 21 | , 110 0 30       | 2.031          | Ollosz         | 17. 3         | 1711120          | 23 1 33        | 11,4,20        | -/ - 13         | <del></del>  |                 | 1 / 10/11       | 10 10 10       | 20,000           |                | 1,101 |

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NOVEMBER 1904 00:00 UT

| Day  | Sid.t   | 0                 | D               | ğ              | Ŷ              | ♂               | 4              | ħ              | )ұ(             | ¥     | В               | ß               | v              | Ç              | ę,             | Day  |
|------|---------|-------------------|-----------------|----------------|----------------|-----------------|----------------|----------------|-----------------|-------|-----------------|-----------------|----------------|----------------|----------------|------|
| T 1  | 2 39 24 | 8M 8'33           | 8 <b>Ω</b> 34   | 8 <b>M</b> .30 | 8 <b>∡</b> 19  | 18 <b>m</b> /34 | 23°R26         | 14≈29          | 27 <b>.7</b> 17 | 8°R 4 | 21°R26          | 17°D10          | 15 <b>m</b> 41 | 20 <b>)</b> 59 | 25 <b>る</b> 9  | T 1  |
| W 2  | 2 43 21 | 9° 8'38           | 22°32           | 10° 7          | 9°32           | 19°10           | 23 <b>Y</b> 18 | 14°30          | 27°20           | 895 4 | 21 <b>II</b> 26 | 17 <b>m</b> )10 | 15°38          | 21° 6          | 25°11          | W 2  |
| T 3  | 2 47 17 | 10° 8'45          | 6 <b>m</b> 45   | 11°44          | 10°46          | 19°46           | 23°11          | 14°32          | 27°23           | 8° 3  | 21°25           | 17°11           | 15°35          | 21°13          | 25°13          | T 3  |
| F 4  | 2 51 14 | 11° 8'54          | 21°12           | 13°21          | 12° 0          | 20°22           | 23° 4          | 14°33          | 27°25           | 8° 2  | 21°24           | 17°R12          | 15°32          | 21°19          | 25°16          | F 4  |
| S 5  | 2 55 10 | 12° 9'05          | 5 <b>≏</b> 51   | 14°57          | 13°13          | 20°58           | 22°56          | 14°35          | 27°28           | 8° 1  | 21°23           | 17°10           | 15°29          | 21°26          | 25°18          | S 5  |
| S 6  | 2 59 7  | 13° 9'18          | 20°35           | 16°33          | 14°27          | 21°34           | 22°49          | 14°37          | 27°31           | 8° 1  | 21°22           | 17° 6           | 15°26          | 21°33          | 25°20          | S 6  |
| M 7  | 3 3 3   | 14° 9'33          | 5 <b>M</b> .18  | 18° 8          | 15°41          | 22°10           | 22°42          | 14°39          | 27°34           | 8° 0  | 21°21           | 17° 0           | 15°22          | 21°39          | 25°23          | M 7  |
| T 8  | 3 7 0   | 15° 9'51          | 19°53           | 19°43          | 16°54          | 22°46           | 22°35          | 14°40          | 27°37           | 7°59  | 21°20           | 16°51           | 15°19          | 21°46          | 25°26          | T 8  |
| W 9  | 3 10 56 | 16°10'09          | 4 <b>₹</b> 12   | 21°18          | 18° 8          | 23°21           | 22°28          | 14°42          | 27°40           | 7°58  | 21°19           | 16°41           | 15°16          | 21°53          | 25°28          | W 9  |
| T 10 | 3 14 53 | 17°10'30          | 18°10           | 22°52          | 19°21          | 23°57           | 22°22          | 14°45          | 27°43           | 7°57  | 21°18           | 16°31           | 15°13          | 21°59          | 25°31          | T 10 |
| F 11 | 3 18 50 | 18°10'52          | 1 <b>정</b> 42   | 24°26          | 20°35          | 24°33           | 22°15          | 14°47          | 27°46           | 7°56  | 21°18           | 16°22           | 15°10          | 22° 6          | 25°34          | F 11 |
| S 12 | 3 22 46 | 19°11'15          | 14°49           | 26° 0          | 21°48          | 25° 8           | 22° 9          | 14°49          | 27°49           | 7°55  | 21°17           | 16°15           | 15° 7          | 22°13          | 25°36          | S 12 |
| S 13 | 3 26 43 | 20°11'40          | 27°31           | 27°34          | 23° 2          | 25°44           | 22° 2          | 14°52          | 27°52           | 7°54  | 21°16           | 16°10           | 15° 3          | 22°19          | 25°39          | S 13 |
| M14  | 3 30 39 | 21°12'06          | 9≈52            | 29° 7          | 24°15          | 26°19           | 21°56          | 14°54          | 27°55           | 7°53  | 21°15           | 16° 7           | 15° 0          | 22°26          | 25°42          | M14  |
| T 15 | 3 34 36 | 22°12'34          | 21°56           | 0 <b>,</b> 739 | 25°29          | 26°54           | 21°50          | 14°57          | 27°58           | 7°52  | 21°14           | 16°D 6          | 14°57          | 22°32          | 25°45          | T 15 |
| W16  | 3 38 32 | 23°13'03          | 3 <b></b> ₩50   | 2°12           | 26°42          | 27°30           | 21°44          | 15° 0          | 28° 1           | 7°51  | 21°13           | 16° 7           | 14°54          | 22°39          | 25°48          | W16  |
| T 17 | 3 42 29 | 24°13'33          | 15°38           | 3°44           | 27°56          | 28° 5           | 21°39          | 15° 2          | 28° 4           | 7°50  | 21°12           | 16°R 7          | 14°51          | 22°46          | 25°51          | T 17 |
| F 18 | 3 46 25 | 25°14'04          | 27°25           | 5°17           | 29° 9          | 28°40           | 21°33          | 15° 5          | 28° 7           | 7°49  | 21°11           | 16° 7           | 14°47          | 22°52          | 25°55          | F 18 |
| S 19 | 3 50 22 | 26°14'37          | 9 <b>Ƴ</b> 18   | 6°48           | 0る22           | 29°16           | 21°28          | 15° 8          | 28°10           | 7°47  | 21°10           | 16° 4           | 14°44          | 22°59          | 25°58          | S 19 |
| S 20 | 3 54 19 | 27°15'11          | 21°19           | 8°20           | 1°36           | 29°51           | 21°23          | 15°11          | 28°14           | 7°46  | 21° 9           | 15°59           | 14°41          | 23° 6          | 26° 1          | S 20 |
| M21  | 3 58 15 | 28°15'46          | 3 <b>8</b> 32   | 9°51           | 2°49           | 0 <u>ჲ</u> 26   | 21°18          | 15°15          | 28°17           | 7°45  | 21° 7           | 15°51           | 14°38          | 23°12          | 26° 5          | M21  |
| T 22 | 4 2 12  | 29°16'23          | 16° 0           | 11°23          | 4° 2           | 1° 1            | 21°13          | 15°18          | 28°20           | 7°44  | 21° 6           | 15°40           | 14°35          | 23°19          | 26° 8          | T 22 |
| W23  | 4 6 8   | 0 <b>√</b> 17'01  | 28°42           | 12°53          | 5°15           | 1°36            | 21° 8          | 15°21          | 28°23           | 7°43  | 21° 5           | 15°28           | 14°32          | 23°26          | 26°11          | W23  |
| T 24 | 4 10 5  | 1°17'41           | 11 <b>II</b> 40 | 14°24          | 6°29           | 2°11            | 21° 4          | 15°25          | 28°27           | 7°41  | 21° 4           | 15°15           | 14°28          | 23°32          | 26°15          | T 24 |
| F 25 | 4 14 1  | 2°18'22           | 24°51           | 15°55          | 7°42           | 2°45            | 20°59          | 15°28          | 28°30           | 7°40  | 21° 3           | 15° 2           | 14°25          | 23°39          | 26°18          | F 25 |
| S 26 | 4 17 58 | 3°19'04           | 89914           | 17°25          | 8°55           | 3°20            | 20°55          | 15°32          | 28°33           | 7°39  | 21° 2           | 14°51           | 14°22          | 23°46          | 26°22          | S 26 |
| S 27 | 4 21 54 | 4°19'48           | 21°47           | 18°54          | 10° 8          | 3°55            | 20°51          | 15°36          | 28°37           | 7°37  | 21° 1           | 14°42           | 14°19          | 23°52          | 26°26          | S 27 |
| M28  | 4 25 51 | 5°20'33           | $5\Omega$ 28    | 20°24          | 11°21          | 4°30            | 20°48          | 15°39          | 28°40           | 7°36  | 21° 0           | 14°37           | 14°16          | 23°59          | 26°29          | M28  |
| T 29 | 4 29 48 | 6°21'20           | 19°18           | 21°53          | 1 <u>2</u> °34 | 5° 4            | 20°44          | 15°43          | 28°43           | 7°35  | 20°59           | 14°34           | 14°13          | 24° 6          | 2 <u>6</u> °33 | T 29 |
| W30  | 4 33 44 | 7 <b>,</b> ₹22'09 | 3 <b>M</b> 14   | 23 <b>×</b> 21 | 13 <b>石</b> 47 | 5 <b>₾</b> 39   | 20 <b>Υ</b> 41 | 15 <b>≈</b> 47 | 28 <b>∡</b> 47  | 79933 | 20耳58           | 14 <b>m</b> /33 | 14 <b>m</b> 9  | 24 <b>米</b> 12 | 26 <b>궁</b> 37 | W30  |

Delta T = 4.68 sec

DECEMBER 1904 00:00 UT

| Day  | Sid.t   | $\odot$           | ))                   | φ              | φ             | o <sup>7</sup> | 4              | ħ              | )∤(             | ¥             | P 2    | ß               | Ω               | £               | δ               | Day  |
|------|---------|-------------------|----------------------|----------------|---------------|----------------|----------------|----------------|-----------------|---------------|--------|-----------------|-----------------|-----------------|-----------------|------|
| T 1  | 4 37 41 | 8 <b>.</b> 722'59 | 17 <b>m</b> )17      | 24 <b>√</b> 49 | 15 <b>る</b> 0 | 6 <b>₽</b> 13  | 20°R37         | 15≈51          | 28 <b>×</b> 350 | 7°R32         | 20°R56 | 14°R33          | 14Mp 6          | 24 <b>)</b> (19 | 26 <b>පි</b> 41 | T 1  |
| F 2  | 4 41 37 | 9°23'50           | 1 <u><b>△</b></u> 27 | 26°17          | 16°13         | 6°48           | 20 <b>Y</b> 34 | 15°55          | 28°54           | <b>79</b> 30  | 20耳55  | 14 <b>m</b> /32 | 14° 3           | 24°25           | 26°45           | F 2  |
| S 3  | 4 45 34 | 10°24'43          | 15°42                | 27°44          | 17°26         | 7°22           | 20°32          | 16° 0          | 28°57           | 7°29          | 20°54  | 14°30           | 14° 0           | 24°32           | 26°49           | S 3  |
| S 4  | 4 49 30 | 11°25'37          | 29°59                | 29° 9          | 18°39         | 7°56           | 20°29          | 16° 4          | 29° 1           | 7°27          | 20°53  | 14°25           | 13°57           | 24°39           | 26°53           | S 4  |
| M 5  | 4 53 27 | 12°26'32          | 14 <b>M</b> .16      | 0 <b>궁</b> 34  | 19°52         | 8°31           | 20°27          | 16° 8          | 29° 4           | 7°26          | 20°52  | 14°16           | 13°53           | 24°45           | 26°57           | M 5  |
| T 6  | 4 57 23 | 13°27'29          | 28°27                | 1°58           | 21° 4         | 9° 5           | 20°25          | 16°13          | 29° 8           | 7°24          | 20°51  | 14° 5           | 13°50           | 24°52           | 27° 1           | T 6  |
| W 7  | 5 1 20  | 14°28'26          | 12 <b>×</b> 27       | 3°21           | 22°17         | 9°39           | 20°23          | 16°17          | 29°11           | 7°23          | 20°50  | 13°52           | 13°47           | 24°59           | 27° 5           | W 7  |
| T 8  | 5 5 17  | 15°29'25          | 26°11                | 4°42           | 23°30         | 10°13          | 20°21          | 16°22          | 29°15           | 7°21          | 20°48  | 13°39           | 13°44           | 25° 5           | 27° 9           | T 8  |
| F 9  | 5 9 13  | 16°30'25          | 9 <b>궁</b> 35        | 6° 2           | 24°42         | 10°47          | 20°19          | 16°27          | 29°18           | 7°20          | 20°47  | 13°27           | 13°41           | 25°12           | 27°13           | F 9  |
| S 10 | 5 13 10 | 17°31'25          | 22°37                | 7°19           | 25°55         | 11°21          | 20°18          | 16°31          | 29°22           | 7°18          | 20°46  | 13°16           | 13°38           | 25°19           | 27°18           | S 10 |
| S 11 | 5 17 6  | 18°32'26          | 5≈18                 | 8°34           | 27° 8         | 11°54          | 20°17          | 16°36          | 29°26           | 7°17          | 20°45  | 13° 9           | 13°34           | 25°25           | 27°22           | S 11 |
| M12  | 5 21 3  | 19°33'28          | 17°39                | 9°46           | 28°20         | 12°28          | 20°16          | 16°41          | 29°29           | 7°15          | 20°44  | 13° 4           | 13°31           | 25°32           | 27°26           | M12  |
| T 13 | 5 24 59 | 20°34'30          | 29°45                | 10°55          | 29°32         | 13° 2          | 20°15          | 16°46          | 29°33           | 7°13          | 20°43  | 13° 2           | 13°28           | 25°39           | 27°31           | T 13 |
| W14  | 5 28 56 | 21°35'33          | 11 <b>米</b> 39       | 12° 0          | 0≈45          | 13°35          | 20°15          | 16°51          | 29°36           | 7°12          | 20°41  | 13°D 1          | 13°25           | 25°45           | 27°35           | W14  |
| T 15 | 5 32 52 | 22°36'36          | 23°27                | 13° 1          | 1°57          | 14° 9          | 20°15          | 16°56          | 29°40           | 7°10          | 20°40  | 13°R 1          | 13°22           | 25°52           | 27°40           | T 15 |
| F 16 | 5 36 49 | 23°37'39          | 5 <b>Υ</b> 16        | 13°58          | 3° 9          | 14°42          | 20°D14         | 17° 2          | 29°43           | 7° 9          | 20°39  | 13° 1           | 13°19           | 25°59           | 27°44           | F 16 |
| S 17 | 5 40 46 | 24°38'43          | 17° 9                | 14°48          | 4°22          | 15°15          | 20°15          | 17° 7          | 29°47           | 7° 7          | 20°38  | 12°59           | 13°15           | 26° 5           | 27°48           | S 17 |
| S 18 | 5 44 42 | 25°39'47          | 29°13                | 15°32          | 5°34          | 15°48          | 20°15          | 17°12          | 29°51           | 7° 5          | 20°37  | 12°54           | 13°12           | 26°12           | 27°53           | S 18 |
| M19  | 5 48 39 | 26°40'52          | 11831                | 16° 9          | 6°46          | 16°22          | 20°16          | 17°18          | 29°54           | 7° 4          | 20°36  | 12°47           | 13° 9           | 26°18           | 27°58           | M19  |
| T 20 | 5 52 35 | 27°41'57          | 24° 8                | 16°38          | 7°58          | 16°55          | 20°16          | 17°23          | 2 <u>9</u> °58  | 7° 2          | 20°34  | 12°37           | 13° 6           | 26°25           | 28° 2           | T 20 |
| W21  | 5 56 32 | 28°43'02          | 7 <b>I</b> I 4       | 16°57          | 9° 9          | 17°28          | 20°17          | 17°28          | 0중 2            | 7° 0          | 20°33  | 12°25           | 13° 3           | 26°32           | 28° 7           | W21  |
| T 22 | 6 0 28  | 29°44'08          | 20°20                | 17°R 7         | 10°21         | 18° 0          | 20°18          | 17°34          | 0° 5            | 6°59          | 20°32  | 12°13           | 12°59           | 26°38           | 28°12           | T 22 |
| F 23 | 6 4 25  | 0 <b>궁</b> 45'14  | 3955                 | 17° 6          | 11°33         | 18°33          | 20°20          | 17°40          | 0° 9            | 6°57          | 20°31  | 12° 1           | 12°56           | 26°45           | 28°16           | F 23 |
| S 24 | 6 8 21  | 1°46'21           | 17°43                | 16°54          | 12°45         | 19° 6          | 20°21          | 17°45          | 0°12            | 6°55          | 20°30  | 11°50           | 12°53           | 26°52           | 28°21           | S 24 |
| S 25 | 6 12 18 | 2°47'28           | 1 <b>Ω</b> 43        | 16°30          | 13°56         | 19°38          | 20°23          | 17°51          | 0°16            | 6°53          | 20°29  | 11°42           | 12°50           | 26°58           | 28°26           | S 25 |
| M26  | 6 16 15 | 3°48'35           | 15°50                | 15°54          | 15° 8         | 20°11          | 20°25          | 17°57          | 0°20            | 6°52          | 20°27  | 11°36           | 12°47           | 27° 5           | 28°30           | M26  |
| T 27 | 6 20 11 | 4°49'43           | 29°59                | 15° 6          | 16°19         | 20°43          | 20°27          | 18° 3          | 0°23            | 6°50          | 20°26  | 11°34           | 12°44           | 27°12           | 28°35           | T 27 |
| W28  | 6 24 8  | 5°50'51           | 14 <b>m</b> 9        | 14° 8          | 17°30         | 21°15          | 20°30          | 18° 9          | 0°27            | 6°48          | 20°25  | 11°D33          | 12°40           | 27°18           | 28°40           | W28  |
| T 29 | 6 28 4  | 6°52'00           | 28°17                | 13° 1          | 18°41         | 21°48          | 20°32          | 18°15          | 0°31            | 6°47          | 20°24  | 11°34           | 12°37           | 27°25           | 28°45           | T 29 |
| F 30 | 6 32 1  | <u>7</u> °53'10   | 12 <b>≙</b> 22       | 1 <u>1°</u> 47 | 19°52         | 22°20          | 20°35          | 18°21          | <u>0°34</u>     | 6°45          | 20°23  | 11°R34          | 12°34           | 27°32           | 2 <u>8</u> °50  | F 30 |
| S 31 | 6 35 57 | 8 <b>ප</b> 54'19  | 26 <b>≏</b> 23       | 10 <b>궁</b> 28 | 21≈ 3         | 22 <b>≏</b> 52 | 20 <b>Y</b> 38 | 18 <b>≈</b> 27 | 0 <b>궁</b> 38   | 6 <b>9</b> 43 | 20∏22  | 11 <b>m</b> 32  | 12 <b>m</b> y31 | 27 <b>)</b> 38  | 28 <b>궁</b> 55  | S 31 |

Delta T = 4.80 sec

JANUARY 1905 00:00 UT

| Day          | Sid.t              | 0                    | D                       | ğ              | φ              | ♂              | 4              | ħ              | )∤(           | #             | Р              | ß              | Ω              | ţ               | ę,             | Day          |
|--------------|--------------------|----------------------|-------------------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|----------------|----------------|----------------|-----------------|----------------|--------------|
| S 1          | 6 39 54            | 9 <b>ප</b> 555'30    | 10 <b>M</b> 20          | 9°R 6          | 22≈14          | 23 <b>≏</b> 23 | 20 <b>Y</b> 41 | 18 <b>≈</b> 33 | 0 <b>ට</b> 41 | 6°R42         | 20°R21         | 11°R29         | 12 <b>m</b> 28 | 27 <b>)</b> (45 | 29る 0          | S 1          |
| M 2          | 6 43 50            | 10°56'40             | 24°11                   | 7 <b>3</b> 45  | 23°25          | 23°55          | 20°45          | 18°39          | 0°45          | 6940          | 20∏20          | 11 <b>m</b> 22 | 12°25          | 27°52           | 29° 4          | M 2          |
| T 3          | 6 47 47            | 11°57'51             | 7 <b>₹</b> 54           | 6°27           | 24°36          | 24°27          | 20°48          | 18°46          | 0°48          | 6°38          | 20°19          | 11°14          | 12°21          | 27°58           | 29° 9          | T 3          |
| W 4          | 6 51 44            | 12°59'02             | 21°27                   | 5°15<br>4° 9   | 25°46          | 24°58          | 20°52          | 18°52          | 0°52          | 6°37          | 20°18          | 11° 3          | 12°18          | 28° 5           | 29°14          | W 4          |
| T 5<br>F 6   | 6 55 40<br>6 59 37 | 14° 0'13<br>15° 1'24 | 4 <b>る</b> 47<br>17°52  | 3°12           | 26°57<br>28° 7 | 25°29<br>26° 1 | 20°56<br>21° 0 | 18°58<br>19°5  | 0°56<br>0°59  | 6°35<br>6°33  | 20°16<br>20°15 | 10°53<br>10°43 | 12°15<br>12°12 | 28°12<br>28°18  | 29°19<br>29°24 | T 5<br>F 6   |
| S 7          | 7 3 33             | 15 1 24<br>16° 2'35  | 0 <del>≈</del> 41       | 2°25           | 28 /<br>29°17  | 26°32          | 21° 5          | 19°11          | 1° 3          | 6°31          | 20°13          | 10°34          | 12 12<br>12° 9 | 28°25           | 29°29          | S 7          |
| S 8          | 7 7 30             | 17° 3'45             | 13°13                   | 1°47           | 0 <b>₩</b> 27  | 27° 3          | 21° 9          | 19°17          | 1° 6          | 6°30          | 20°13          | 10°28          | 12° 5          | 28°31           | 29°34          | S 8          |
| M 9          | 7 11 26            | 17 343<br>18° 4'55   | 25°29                   | 1°19           | 1°37           | 27°34          | 21°14          | 19°24          | 1°10          | 6°28          | 20°12          | 10°24          | 12° 2          | 28°38           | 29°39          | M 9          |
| T 10         | 7 15 23            | 19° 6'05             | 7 <b>)</b> €32          | 1° 2           | 2°47           | 28° 4          | 21°19          | 19°30          | 1°13          | 6°26          | 20°11          | 10°D23         | 11°59          | 28°45           | 29°44          | T 10         |
| W11          | 7 19 19            | 20° 7'14             | 19°26                   | 0°D53          | 3°57           | 28°35          | 21°24          | 19°37          | 1°17          | 6°25          | 20°10          | 10°23          | 11°56          | 28°51           | 29°49          | W11          |
| T 12         | 7 23 16            | 21° 8'23             | 1 <b>Y</b> 14           | 0°54           | 5° 6           | 29° 5          | 21°29          | 19°44          | 1°20          | 6°23          | 20° 9          | 10°25          | 11°53          | 28°58           | 29°55          | T 12         |
| F 13         | 7 27 13            | 22° 9'31             | 13° 2                   | 1° 3           | 6°16           | 29°36          | 21°35          | 19°50          | 1°24          | 6°22          | 20° 8          | 10°26          | 11°50          | 29° 5           | 29°59          | F 13         |
| S 14         | 7 31 9             | 23°10'38             | 24°55                   | 1°19           | 7°25           | OM 6           | 21°41          | 19°57          | 1°27          | 6°20          | 20° 7          | 10°R26         | 11°46          | 29°11           | 0≈ 5           | S 14         |
| S 15         | 7 35 6             | 24°11'45             | 6 <b>8</b> 58           | 1°42           | 8°34           | 0°36           | 21°46          | 20° 4          | 1°30          | 6°18          | 20° 6          | 10°25          | 11°43          | 29°18           | 0°10           | S 15         |
| M16          | 7 39 2             | 25°12'50             | 19°16                   | 2°12           | 9°43           | 1° 6           | 21°52          | 20°11          | 1°34          | 6°17          | 20° 5          | 10°22          | 11°40          | 29°25           | 0°15           | M16          |
| T 17         | 7 42 59            | 26°13'56             | 1 <b>Ⅱ</b> 54           | 2°48           | 10°51          | 1°35           | 21°59          | 20°17          | 1°37          | 6°15          | 20° 5          | 10°17          | 11°37          | 29°31           | 0°20           | T 17         |
| W18          | 7 46 55            | 27°15'00             | 14°55                   | 3°28           | 12° 0          | 2° 5           | 22° 5          | 20°24          | 1°41          | 6°14          | 20° 4          | 10°11          | 11°34          | 29°38           | 0°25           | W18          |
| T 19         | 7 50 52            | 28°16'04             | 28°20                   | 4°14           | 13° 8          | 2°34           | 22°11          | 20°31          | 1°44          | 6°12          | 20° 3          | 10° 4          | 11°30          | 29°45           | 0°30           | T 19<br>F 20 |
| F 20<br>S 21 | 7 54 49<br>7 58 45 | 29°17'07<br>0≈18'09  | 12 <b>95</b> 8<br>26°17 | 5° 3<br>5°57   | 14°16<br>15°24 | 3° 3<br>3°32   | 22°18<br>22°25 | 20°38<br>20°45 | 1°47<br>1°51  | 6°10<br>6°9   | 20° 2<br>20° 1 | 9°56<br>9°50   | 11°27<br>11°24 | 29°51<br>29°58  | 0°35<br>0°40   | S 21         |
|              |                    |                      |                         |                |                |                |                |                |               |               | -              |                |                |                 |                |              |
| S 22         | 8 2 42             | 1°19'10              | 10\$\Omega42            | 6°53           | 16°32          | 4° 1           | 22°32          | 20°52          | 1°54          | 6° 7          | 20° 0          | 9°46           | 11°21          | 0 <b>Υ</b> 5    | 0°45           | S 22         |
| M23          | 8 6 38             | 2°20'11<br>3°21'11   | 25°16                   | 7°53           | 17°40<br>18°47 | 4°30           | 22°39<br>22°46 | 20°59<br>21° 6 | 1°57<br>2° 0  | 6° 6<br>6° 4  | 19°59          | 9°43           | 11°18          | 0°11            | 0°50           | M23<br>T 24  |
| T 24<br>W25  | 8 10 35<br>8 14 31 | 4°22'10              | 9 Mp 54<br>24°28        | 8°56<br>10° 1  | 18°47<br>19°54 | 4°59<br>5°27   | 22°54          | 21° 6<br>21°13 | 2° 4          | 6° 4<br>6° 3  | 19°58<br>19°58 | 9°D42<br>9°43  | 11°15<br>11°11 | 0°18<br>0°25    | 0°56<br>1° 1   | W25          |
| T 26         | 8 14 31            | 5°23'09              | 8 <u>0</u> 55           | 10° 1          | 21° 1          | 5°55           | 22°54<br>23° 1 | 21°13<br>21°20 | 2° 7          | 6° 2          | 19°58<br>19°57 | 9°43<br>9°44   | 11°11          | 0°23            | 1° 6           | T 26         |
| F 27         | 8 22 24            | 6°24'07              | 23°11                   | 12°18          | 21° 7          | 6°23           | 23° 9          | 21°27          | 2°10          | 6° 0          | 19°56          | 9°45           | 11° 5          | 0°38            | 1°11           | F 27         |
| S 28         | 8 26 21            | 7°25'04              | 7 <b>m</b> 14           | 13°30          | 23°14          | 6°51           | 23°17          | 21°34          | 2°13          | 5°59          | 19°55          | 9°R46          | 11° 2          | 0°45            | 1°16           | S 28         |
| S 29         | 8 30 17            | 8°26'01              | 21° 4                   | 14°43          | 24°20          | 7°19           | 23°25          | 21°41          | 2°16          | 5°57          | 19°55          | 9°45           | 10°59          | 0°51            | 1°21           | S 29         |
| M30          | 8 34 14            | 9°26'57              | 4 <b>₹</b> 40           | 15°58          | 25°26          | 7°46           | 23°33          | 21°48          | 2°19          | 5°56          | 19°54          | 9°43           | 10°56          | 0°58            | 1°26           | M30          |
| T 31         | 8 38 11            | 10≈27'53             | 18 <b>才</b> 1           | 17 <b>る</b> 15 | 26 <b>∺</b> 32 | 8 <b>M</b> .13 | 23 <b>Y</b> 42 | 21≈55          | 2 <b>る</b> 22 | 5 <b>©</b> 55 | 19 <b>Ⅱ</b> 53 | 9 <b>m</b> /40 | 10 <b>m</b> 52 | 1 <b>Y</b> 4    | 1 <b>≈</b> 31  | T 31         |

Delta T = 4.91 sec

FEBRUARY 1905 00:00 UT

| Day  | Sid.t    | 0                  | D               | ğ              | φ               | ♂               | 4              | ħ     | )Å(           | ¥     | Р              | N.             | v               | ţ             | ę,   | Day  |
|------|----------|--------------------|-----------------|----------------|-----------------|-----------------|----------------|-------|---------------|-------|----------------|----------------|-----------------|---------------|------|------|
| W 1  | 8 42 7   | 11≈28'48           | 1 <b>궁</b> 10   | 18 <b>云</b> 33 | 27 <b>)</b> (37 | 8 <b>M</b> .40  | 23 <b>Y</b> 50 | 22≈ 3 | 2 <b>る</b> 25 | 5°R53 | 19°R53         | 9°R35          | 10 <b>m</b> /49 | 1 <b>Y</b> 11 | 1≈36 | W 1  |
| T 2  | 8 46 4   | 12°29'42           | 14° 5           | 19°52          | 28°42           | 9° 7            | 23°59          | 22°10 | 2°28          | 5952  | 19 <b>Ⅲ</b> 52 | 9 <b>m</b> /31 | 10°46           | 1°18          | 1°41 | T 2  |
| F 3  | 8 50 0   | 13°30'35           | 26°47           | 21°13          | 29°47           | 9°34            | 24° 8          | 22°17 | 2°31          | 5°51  | 19°51          | 9°26           | 10°43           | 1°24          | 1°46 | F 3  |
| S 4  | 8 53 57  | 14°31'27           | 9≈17            | 22°35          | 0 <b>Υ</b> 52   | 10° 0           | 24°17          | 22°24 | 2°34          | 5°49  | 19°51          | 9°22           | 10°40           | 1°31          | 1°51 | S 4  |
| S 5  | 8 57 53  | 15°32'17           | 21°35           | 23°58          | 1°56            | 10°26           | 24°26          | 22°31 | 2°37          | 5°48  | 19°50          | 9°20           | 10°36           | 1°38          | 1°56 | S 5  |
| M 6  | 9 1 50   | 16°33'07           | 3 <b>)</b> €42  | 25°22          | 3° 0            | 10°52           | 24°35          | 22°39 | 2°40          | 5°47  | 19°49          | 9°D19          | 10°33           | 1°44          | 2° 1 | M 6  |
| T 7  | 9 5 47   | 17°33'55           | 15°40           | 26°47          | 4° 3            | 11°18           | 24°44          | 22°46 | 2°43          | 5°46  | 19°49          | 9°19           | 10°30           | 1°51          | 2° 6 | T 7  |
| W 8  | 9 9 43   | 18°34'41           | 27°31           | 28°13          | 5° 7            | 11°43           | 24°54          | 22°53 | 2°46          | 5°45  | 19°48          | 9°20           | 10°27           | 1°58          | 2°11 | W 8  |
| T 9  | 9 13 40  | 19°35'27           | 9 <b>Υ</b> 18   | 29°40          | 6°10            | 12° 8           | 25° 3          | 23° 0 | 2°48          | 5°44  | 19°48          | 9°21           | 10°24           | 2° 4          | 2°16 | T 9  |
| F 10 | 9 17 36  | 20°36'10           | 21° 6           | 1≈ 8           | 7°12            | 12°33           | 25°13          | 23° 7 | 2°51          | 5°42  | 19°47          | 9°23           | 10°21           | 2°11          | 2°21 | F 10 |
| S 11 | 9 21 33  | 21°36'52           | 2 <b>8</b> 59   | 2°36           | 8°15            | 12°57           | 25°23          | 23°15 | 2°54          | 5°41  | 19°47          | 9°24           | 10°17           | 2°18          | 2°26 | S 11 |
| S 12 | 9 25 29  | 22°37'33           | 15° 0           | 4° 6           | 9°16            | 13°22           | 25°33          | 23°22 | 2°56          | 5°40  | 19°46          | 9°25           | 10°14           | 2°24          | 2°30 | S 12 |
| M13  | 9 29 26  | 23°38'12           | 27°16           | 5°37           | 10°18           | 13°46           | 25°43          | 23°29 | 2°59          | 5°39  | 19°46          | 9°R25          | 10°11           | 2°31          | 2°35 | M13  |
| T 14 | 9 33 22  | 24°38'49           | 9耳50            | 7° 9           | 11°19           | 14°10           | 25°53          | 23°36 | 3° 2          | 5°38  | 19°45          | 9°25           | 10° 8           | 2°38          | 2°40 | T 14 |
| W15  | 9 37 19  | 25°39'25           | 22°46           | 8°41           | 12°20           | 14°33           | 26° 3          | 23°44 | 3° 4          | 5°37  | 19°45          | 9°24           | 10° 5           | 2°44          | 2°45 | W15  |
| T 16 | 9 41 15  | 26°39'58           | 6 <b>9</b> 8    | 10°15          | 13°20           | 14°56           | 26°14          | 23°51 | 3° 7          | 5°36  | 19°45          | 9°22           | 10° 2           | 2°51          | 2°50 | T 16 |
| F 17 | 9 45 12  | 27°40'30           | 19°57           | 11°49          | 14°19           | 15°19           | 26°24          | 23°58 | 3° 9          | 5°35  | 19°44          | 9°20           | 9°58            | 2°58          | 2°54 | F 17 |
| S 18 | 9 49 9   | 28°41'01           | 4 <b>Ω</b> 12   | 13°24          | 15°19           | 15°42           | 26°35          | 24° 5 | 3°12          | 5°34  | 19°44          | 9°19           | 9°55            | 3° 4          | 2°59 | S 18 |
| S 19 | 9 53 5   | 29°41'29           | 18°48           | 15° 0          | 16°18           | 16° 4           | 26°46          | 24°13 | 3°14          | 5°34  | 19°44          | 9°18           | 9°52            | 3°11          | 3° 4 | S 19 |
| M20  | 9 57 2   | 0 <b>)</b> 41′56   | 3 <b>m</b> ) 41 | 16°37          | 17°16           | 16°26           | 26°56          | 24°20 | 3°16          | 5°33  | 19°43          | 9°D18          | 9°49            | 3°18          | 3° 8 | M20  |
| T 21 | 10 0 58  | 1°42'21            | 18°42           | 18°15          | 18°14           | 16°48           | 27° 7          | 24°27 | 3°19          | 5°32  | 19°43          | 9°18           | 9°46            | 3°24          | 3°13 | T 21 |
| W22  | 10 4 55  | 2°42'45            | 3 <b>≏</b> 43   | 19°54          | 19°11           | 17° 9           | 27°18          | 24°34 | 3°21          | 5°31  | 19°43          | 9°18           | 9°42            | 3°31          | 3°18 | W22  |
| T 23 | 10 8 51  | 3°43'07            | 18°35           | 21°34          | 20° 7           | 17°30           | 27°30          | 24°41 | 3°23          | 5°30  | 19°43          | 9°19           | 9°39            | 3°38          | 3°22 | T 23 |
| F 24 | 10 12 48 | 4°43'28            | 3 <b>M</b> .12  | 23°15          | 21° 4           | 17°51           | 27°41          | 24°49 | 3°25          | 5°30  | 19°42          | 9°19           | 9°36            | 3°44          | 3°27 | F 24 |
| S 25 | 10 16 44 | 5°43'48            | 17°30           | 24°57          | 21°59           | 18°11           | 27°52          | 24°56 | 3°28          | 5°29  | 19°42          | 9°19           | 9°33            | 3°51          | 3°31 | S 25 |
| S 26 | 10 20 41 | 6°44'06            | 1 <b>∡</b> 726  | 26°40          | 22°54           | 18°31           | 28° 4          | 25° 3 | 3°30          | 5°28  | 19°42          | 9°20           | 9°30            | 3°58          | 3°36 | S 26 |
| M27  | 10 24 38 | 7°44'22            | 14°59           | 28°23          | 23°48           | 18°51           | 28°15          | 25°10 | 3°32          | 5°28  | 19°42          | 9°R20          | 9°27            | 4° 4          | 3°40 | M27  |
| T 28 | 10 28 34 | 8 <b>) (</b> 44'37 | 28 <b>×</b> 12  | 0 <b>∀</b> 8   | 24 <b>Y</b> 42  | 19 <b>M</b> .10 | 28 <b>Y</b> 27 | 25≈17 | 3 <b>ට</b> 34 | 59527 | 19 <b>Ⅱ</b> 42 | 9°D20          | 9 <b>₯</b> 23   | 4 <b>Υ</b> 11 | 3≈45 | T 28 |

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| Day  | Sid.t    | 0                | D               | ğ              | P              | ♂              | 4              | ħ     | )Å(           | ¥     | Р              | ß                         | ಬ                         | Ç             | Ş.   | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|----------------|-------|---------------|-------|----------------|---------------------------|---------------------------|---------------|------|------|
| W 1  | 10 32 31 | 9 <b>)</b> 44'51 | 11ට 6           | 1 <b>)</b> 54  | 25 <b>Y</b> 35 | 19 <b>M</b> 29 | 28 <b>Y</b> 38 | 25≈24 | 3 <b>ප</b> 36 | 5°R27 | 19°R42         | 9 <b>m</b> <sub>2</sub> 0 | 9 <b>m</b> <sub>2</sub> 0 | <b>4</b> Υ18  | 3≈49 | W 1  |
| T 2  | 10 36 27 | 10°45'03         | 23°44           | 3°41           | 26°27          | 19°47          | 28°50          | 25°31 | 3°38          | 5926  | 19 <b>Ⅱ</b> 42 | 9°20                      | 9°17                      | 4°24          | 3°53 | T 2  |
| F 3  | 10 40 24 | 11°45'14         | 6≈ 8            | 5°29           | 27°19          | 20° 6          | 29° 2          | 25°38 | 3°40          | 5°26  | 19°42          | 9°20                      | 9°14                      | 4°31          | 3°58 | F 3  |
| S 4  | 10 44 20 | 12°45'23         | 18°21           | 7°18           | 28°10          | 20°23          | 29°14          | 25°45 | 3°41          | 5°25  | 19°42          | 9°20                      | 9°11                      | 4°37          | 4° 2 | S 4  |
| S 5  | 10 48 17 | 13°45'30         | 0 <b>)</b> €24  | 9° 8           | 29° 0          | 20°40          | 29°26          | 25°52 | 3°43          | 5°25  | 19°D42         | 9°20                      | 9° 8                      | 4°44          | 4° 6 | S 5  |
| M 6  | 10 52 13 | 14°45'35         | 12°21           | 10°59          | 29°49          | 20°57          | 29°38          | 25°59 | 3°45          | 5°24  | 19°42          | 9°R20                     | 9° 4                      | 4°51          | 4°10 | M 6  |
| T 7  | 10 56 10 | 15°45'38         | 24°12           | 12°52          | 0 <b>8</b> 37  | 21°13          | 29°51          | 26° 6 | 3°47          | 5°24  | 19°42          | 9°20                      | 9° 1                      | 4°57          | 4°14 | T 7  |
| W 8  | 11 0 7   | 16°45'40         | 6 <b>℃</b> 1    | 14°45          | 1°25           | 21°29          | 0 <b>8</b> 3   | 26°13 | 3°48          | 5°24  | 19°42          | 9°20                      | 8°58                      | 5° 4          | 4°18 | W 8  |
| T 9  | 11 4 3   | 17°45'39         | 17°49           | 16°39          | 2°12           | 21°44          | 0°15           | 26°20 | 3°50          | 5°23  | 19°42          | 9°19                      | 8°55                      | 5°11          | 4°22 | T 9  |
| F 10 | 11 8 0   | 18°45'37         | 29°39           | 18°35          | 2°57           | 21°59          | 0°28           | 26°27 | 3°51          | 5°23  | 19°42          | 9°17                      | 8°52                      | 5°17          | 4°26 | F 10 |
| S 11 | 11 11 56 | 19°45'32         | 11834           | 20°31          | 3°42           | 22°14          | 0°40           | 26°34 | 3°53          | 5°23  | 19°42          | 9°16                      | 8°48                      | 5°24          | 4°30 | S 11 |
| S 12 | 11 15 53 | 20°45'25         | 23°37           | 22°28          | 4°26           | 22°28          | 0°53           | 26°41 | 3°54          | 5°23  | 19°42          | 9°14                      | 8°45                      | 5°31          | 4°34 | S 12 |
| M13  | 11 19 49 | 21°45'16         | 5 <b>Ⅱ</b> 51   | 24°25          | 5° 8           | 22°41          | 1° 5           | 26°48 | 3°56          | 5°23  | 19°42          | 9°13                      | 8°42                      | 5°37          | 4°38 | M13  |
| T 14 | 11 23 46 | 22°45'05         | 18°22           | 26°24          | 5°50           | 22°54          | 1°18           | 26°55 | 3°57          | 5°22  | 19°43          | 9°D13                     | 8°39                      | 5°44          | 4°42 | T 14 |
| W15  | 11 27 42 | 23°44'52         | 19512           | 28°23          | 6°30           | 23° 6          | 1°31           | 27° 1 | 3°58          | 5°22  | 19°43          | 9°13                      | 8°36                      | 5°51          | 4°46 | W15  |
| T 16 | 11 31 39 | 24°44'36         | 14°25           | 0 <b>Υ</b> 22  | 7° 9           | 23°18          | 1°44           | 27° 8 | 4° 0          | 5°22  | 19°43          | 9°14                      | 8°33                      | 5°57          | 4°49 | T 16 |
| F 17 | 11 35 36 | 25°44'19         | 28° 5           | 2°22           | 7°47           | 23°29          | 1°57           | 27°15 | 4° 1          | 5°D22 | 19°43          | 9°15                      | 8°29                      | 6° 4          | 4°53 | F 17 |
| S 18 | 11 39 32 | 26°43'58         | 12 <b>Ω</b> 11  | 4°21           | 8°24           | 23°40          | 2°10           | 27°21 | 4° 2          | 5°22  | 19°44          | 9°16                      | 8°26                      | 6°11          | 4°57 | S 18 |
| S 19 | 11 43 29 | 27°43'36         | 26°44           | 6°20           | 8°59           | 23°50          | 2°23           | 27°28 | 4° 3          | 5°22  | 19°44          | 9°17                      | 8°23                      | 6°17          | 5° 0 | S 19 |
| M20  | 11 47 25 | 28°43'11         | 11 <b>m</b> y38 | 8°19           | 9°33           | 24° 0          | 2°36           | 27°34 | 4° 4          | 5°22  | 19°44          | 9°R17                     | 8°20                      | 6°24          | 5° 4 | M20  |
| T 21 | 11 51 22 | 29°42'44         | 26°47           | 10°17          | 10° 6          | 24° 9          | 2°49           | 27°41 | 4° 5          | 5°23  | 19°45          | 9°17                      | 8°17                      | 6°31          | 5° 7 | T 21 |
| W22  | 11 55 18 | 0 <b>Ƴ</b> 42'16 | 12 <b>♀</b> 2   | 12°13          | 10°37          | 24°17          | 3° 2           | 27°47 | 4° 6          | 5°23  | 19°45          | 9°15                      | 8°13                      | 6°37          | 5°11 | W22  |
| T 23 | 11 59 15 | 1°41'45          | 27°13           | 14° 8          | 11° 6          | 24°25          | 3°15           | 27°54 | 4° 7          | 5°23  | 19°45          | 9°12                      | 8°10                      | 6°44          | 5°14 | T 23 |
| F 24 | 12 3 11  | 2°41'12          | 12 <b>M</b> _10 | 16° 1          | 11°34          | 24°32          | 3°29           | 28° 0 | 4° 8          | 5°23  | 19°46          | 9° 9                      | 8° 7                      | 6°51          | 5°17 | F 24 |
| S 25 | 12 7 8   | 3°40'38          | 26°46           | 17°51          | 12° 0          | 24°38          | 3°42           | 28° 7 | 4° 9          | 5°23  | 19°46          | 9° 6                      | 8° 4                      | 6°57          | 5°21 | S 25 |
| S 26 | 12 11 4  | 4°40'01          | 10 <b>∡</b> 755 | 19°39          | 12°24          | 24°44          | 3°55           | 28°13 | 4° 9          | 5°24  | 19°47          | 9° 3                      | 8° 1                      | 7° 4          | 5°24 | S 26 |
| M27  | 12 15 1  | 5°39'24          | 24°37           | 21°23          | 12°47          | 24°50          | 4° 9           | 28°19 | 4°10          | 5°24  | 19°47          | 9° 2                      | 7°58                      | 7°11          | 5°27 | M27  |
| T 28 | 12 18 58 | 6°38'44          | 7 <b>궁</b> 52   | 23° 4          | 13° 8          | 24°54          | 4°22           | 28°26 | 4°11          | 5°24  | 19°48          | 9°D 1                     | 7°54                      | 7°17          | 5°30 | T 28 |
| W29  | 12 22 54 | 7°38'02          | 20°42           | 24°40          | 13°27          | 24°58          | 4°36           | 28°32 | 4°11          | 5°25  | 19°48          | 9° 2                      | 7°51                      | 7°24          | 5°33 | W29  |
| T 30 | 12 26 51 | 8°37'19          | 3≈13            | 26°12          | 13°44          | 25° 1          | 4°50           | 28°38 | <u>4</u> °12  | 5°25  | 19°49          | 9° 3                      | 7°48                      | 7°31          | 5°36 | T 30 |
| F 31 | 12 30 47 | 9 <b>Υ</b> 36'34 | 15≈27           | 27 <b>Y</b> 39 | 13 <b>8</b> 59 | 25M 4          | 5 <b>8</b> 3   | 28≈44 | 4 <b>궁</b> 12 | 5926  | 19 <b>Ⅱ</b> 49 | 9 <b>m</b> , 5            | 7 <b>m</b> 45             | 7 <b>Υ</b> 37 | 5≈39 | F 31 |

Delta T = 5.13 sec

APRIL 1905 00:00 UT

| Day  | Sid.t    | 0                 | D               | ğ              | φ             | o <sup>™</sup> | 4             | ħ             | )Å(           | ¥    | Р              | B              | Ω              | Ç              | Š    | Day  |
|------|----------|-------------------|-----------------|----------------|---------------|----------------|---------------|---------------|---------------|------|----------------|----------------|----------------|----------------|------|------|
| S 1  | 12 34 44 | 10 <b>°</b> 35'47 | 27 <b>≈</b> 29  | 29 <b>Υ</b> 1  | 14811         | 25 <b>M</b> 5  | 5 <b>8</b> 17 | 28≈50         | 4 <b>ට</b> 13 | 5926 | 19 <b>Ⅱ</b> 50 | 9 <b>m</b> ) 6 | 7 <b>M</b> 42  | 7 <b>℃</b> 44  | 5≈42 | S 1  |
| S 2  | 12 38 40 | 11°34'58          | 9 <b>∺</b> 23   | 0 <b>8</b> 18  | 14°22         | 25° 6          | 5°31          | 28°56         | 4°13          | 5°27 | 19°50          | 9°R 7          | 7°39           | 7°51           | 5°45 | S 2  |
| M 3  | 12 42 37 | 12°34'08          | 21°13           | 1°28           | 14°31         | 25°R 7         | 5°44          | 29° 2         | 4°14          | 5°27 | 19°51          | 9° 6           | 7°35           | 7°57           | 5°47 | M 3  |
| T 4  | 12 46 33 | 13°33'15          | <b>3Υ</b> 1     | 2°33           | 14°37         | 25° 6          | 5°58          | 29° 8         | 4°14          | 5°28 | 19°52          | 9° 4           | 7°32           | 8° 4           | 5°50 | T 4  |
| W 5  | 12 50 30 | 14°32'20          | 14°49           | 3°32           | 14°41         | 25° 5          | 6°12          | 29°14         | 4°14          | 5°28 | 19°52          | 9° 0           | 7°29           | 8°11           | 5°53 | W 5  |
| T 6  | 12 54 27 | 15°31'23          | 26°40           | 4°24           | 14°R42        | 25° 3          | 6°26          | 29°19         | 4°14          | 5°29 | 19°53          | 8°54           | 7°26           | 8°17           | 5°55 | T 6  |
| F 7  | 12 58 23 | 16°30'25          | 8 <b>8</b> 35   | 5°10           | 14°42         | 25° 0          | 6°40          | 29°25         | 4°14          | 5°30 | 19°54          | 8°47           | 7°23           | 8°24           | 5°58 | F 7  |
| S 8  | 13 2 20  | 17°29'24          | 20°36           | 5°49           | 14°38         | 24°57          | 6°54          | 29°31         | 4°14          | 5°30 | 19°54          | 8°40           | 7°19           | 8°31           | 6° 0 | S 8  |
| S 9  | 13 6 16  | 18°28'21          | 2Д46            | 6°22           | 14°33         | 24°52          | 7° 8          | 29°36         | 4°R14         | 5°31 | 19°55          | 8°33           | 7°16           | 8°37           | 6° 3 | S 9  |
| M10  | 13 10 13 | 19°27'16          | 15° 6           | 6°48           | 14°24         | 24°47          | 7°22          | 29°42         | 4°14          | 5°32 | 19°56          | 8°27           | 7°13           | 8°44           | 6° 5 | M10  |
| T 11 | 13 14 9  | 20°26'08          | 27°38           | 7° 7           | 14°14         | 24°42          | 7°36          | 29°47         | 4°14          | 5°33 | 19°57          | 8°23           | 7°10           | 8°51           | 6° 7 | T 11 |
| W12  | 13 18 6  | 21°24'59          | 109527          | 7°20           | 14° 1         | 24°35          | 7°50          | 29°53         | 4°14          | 5°34 | 19°58          | 8°20           | 7° 7           | 8°57           | 6° 9 | W12  |
| T 13 | 13 22 2  | 22°23'47          | 23°35           | 7°R26          | 13°45         | 24°28          | 8° 4          | 29°58         | 4°14          | 5°34 | 19°58          | 8°D20          | 7° 4           | 9° 4           | 6°11 | T 13 |
| F 14 | 13 25 59 | 23°22'32          | 7 <b>Ω</b> 5    | 7°26           | 13°27         | 24°20          | 8°18          | 0 <b>∺</b> 3  | 4°14          | 5°35 | 19°59          | 8°20           | 7° 0           | 9°11           | 6°13 | F 14 |
| S 15 | 13 29 56 | 24°21'16          | 20°59           | 7°20           | 13° 7         | 24°11          | 8°32          | 0° 9          | 4°13          | 5°36 | 20° 0          | 8°21           | 6°57           | 9°17           | 6°15 | S 15 |
| S 16 | 13 33 52 | 25°19'57          | 5 <b>m</b> ) 17 | 7° 8           | 12°44         | 24° 1          | 8°46          | 0°14          | 4°13          | 5°37 | 20° 1          | 8°R22          | 6°54           | 9°24           | 6°17 | S 16 |
| M17  | 13 37 49 | 26°18'36          | 19°59           | 6°50           | 12°19         | 23°51          | 9° 0          | 0°19          | 4°13          | 5°38 | 20° 2          | 8°22           | 6°51           | 9°31           | 6°19 | M17  |
| T 18 | 13 41 45 | 27°17'13          | 4 <b>Ω</b> 59   | 6°28           | 11°52         | 23°40          | 9°14          | 0°24          | 4°12          | 5°39 | 20° 3          | 8°19           | 6°48           | 9°37           | 6°21 | T 18 |
| W19  | 13 45 42 | 28°15'47          | 20°10           | 6° 0           | 11°23         | 23°28          | 9°29          | 0°29          | 4°12          | 5°40 | 20° 4          | 8°15           | 6°44           | 9°44           | 6°23 | W19  |
| T 20 | 13 49 38 | 29°14'20          | 5M23            | 5°29           | 10°52         | 23°16          | 9°43          | 0°34          | 4°11          | 5°41 | 20° 5          | 8° 8           | 6°41           | 9°51           | 6°24 | T 20 |
| F 21 | 13 53 35 | 0 <b>8</b> 12'51  | 20°27           | 4°55           | 10°20         | 23° 2          | 9°57          | 0°39          | 4°11          | 5°42 | 20° 6          | 8° 0           | 6°38           | 9°57           | 6°26 | F 21 |
| S 22 | 13 57 31 | 1°11'20           | 5 <b>₹</b> 12   | 4°18           | 9°46          | 22°48          | 10°11         | 0°43          | 4°10          | 5°44 | 20° 6          | 7°52           | 6°35           | 10° 4          | 6°27 | S 22 |
| S 23 | 14 1 28  | 2° 9'48           | 19°32           | 3°38           | 9°11          | 22°34          | 10°25         | 0°48          | 4° 9          | 5°45 | 20° 7          | 7°45           | 6°32           | 10°11          | 6°29 | S 23 |
| M24  | 14 5 24  | 3° 8'14           | 3 <b>る</b> 23   | 2°58           | 8°35          | 22°19          | 10°40         | 0°53          | 4° 9          | 5°46 | 20° 8          | 7°39           | 6°29           | 10°17          | 6°30 | M24  |
| T 25 | 14 9 21  | 4° 6'38           | 16°44           | 2°17           | 7°58          | 22° 3          | 10°54         | 0°57          | 4° 8          | 5°47 | 20° 9          | 7°36           | 6°25           | 10°24          | 6°31 | T 25 |
| W26  | 14 13 18 | 5° 5'00           | 29°39           | 1°37           | 7°21          | 21°46          | 11°8          | 1° 2          | 4° 7          | 5°48 | 20°11          | 7°D34          | 6°22           | 10°31          | 6°33 | W26  |
| T 27 | 14 17 14 | 6° 3'22           | 12≈ 9           | 0°57           | 6°43          | 21°29          | 11°22         | 1° 6          | 4° 6          | 5°50 | 20°12          | 7°34           | 6°19           | 10°37          | 6°34 | T 27 |
| F 28 | 14 21 11 | 7° 1'41           | 24°22           | 0°19           | 6° 5          | 21°11          | 11°37         | 1°10          | 4° 5          | 5°51 | 20°13          | 7°35           | 6°16           | 10°44          | 6°35 | F 28 |
| S 29 | 14 25 7  | 7°59'59           | 6 <b>¥</b> 21   | 29 <b>Y</b> 44 | 5°27          | 20°53          | 11°51         | 1°14          | 4° 4          | 5°52 | 20°14          | 7°R35          | 6°13           | 10°51          | 6°36 | S 29 |
| S 30 | 14 29 4  | 8 <b>8</b> 58'15  | 18 <b>¥</b> 12  | 29 <b>Υ</b> 11 | 4 <b>8</b> 50 | 20 <b>M</b> 34 | 128 5         | 1 <b>)</b> 19 | 4る 3          | 5954 | 20耳15          | 7 <b>m</b> 35  | 6 <b>m</b> )10 | 10 <b>Y</b> 57 | 6≈37 | S 30 |

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| Day  | Sid.t    | 0                | D               | ğ              | φ              | ð              | 4     | ħ             | )f(           | 卉             | Р     | ß             | S              | Ç              | Ŷ,    | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|-------|---------------|---------------|---------------|-------|---------------|----------------|----------------|-------|------|
| M 1  | 14 33 0  | 9 <b>8</b> 56'30 | 29 <b>米</b> 59  | 28°R42         | 4°R14          | 20°R15         | 12820 | 1 <b>∺</b> 23 | 4°R 2         | 5 <b>9</b> 55 | 20耳16 | 7°R32         | 6M) 6          | 11 <b>Υ</b> 4  | 6≈38  | M 1  |
| T 2  | 14 36 57 | 10°54'43         | 11 <b>Y</b> 46  | 28 <b>Y</b> 16 | 3 <b>8</b> 38  | 19 <b>M</b> 55 | 12°34 | 1°27          | 4ਰ 1          | 5°57          | 20°17 | 7 <b>™</b> 27 | 6° 3           | 11°11          | 6°39  | T 2  |
| W 3  | 14 40 53 | 11°52'55         | 23°37           | 27°54          | 3° 3           | 19°35          | 12°48 | 1°31          | 4° 0          | 5°58          | 20°18 | 7°20          | 6° 0           | 11°17          | 6°39  | W 3  |
| T 4  | 14 44 50 | 12°51'05         | 5 <b>8</b> 33   | 27°37          | 2°30           | 19°15          | 13° 3 | 1°34          | 3°59          | 6° 0          | 20°19 | 7°10          | 5°57           | 11°24          | 6°40  | T 4  |
| F 5  | 14 48 47 | 13°49'13         | 17°37           | 27°24          | 1°59           | 18°54          | 13°17 | 1°38          | 3°58          | 6° 1          | 20°20 | 6°58          | 5°54           | 11°31          | 6°41  | F 5  |
| S 6  | 14 52 43 | 14°47'20         | 29°49           | 27°16          | 1°29           | 18°33          | 13°31 | 1°42          | 3°56          | 6° 3          | 20°22 | 6°45          | 5°50           | 11°37          | 6°41  | S 6  |
| S 7  | 14 56 40 | 15°45'25         | 12 <b>I</b> I11 | 27°D13         | 1° 0           | 18°12          | 13°45 | 1°45          | 3°55          | 6° 4          | 20°23 | 6°33          | 5°47           | 11°44          | 6°42  | S 7  |
| M 8  | 15 0 36  | 16°43'28         | 24°43           | 27°14          | 0°34           | 17°50          | 14° 0 | 1°49          | 3°54          | 6° 6          | 20°24 | 6°23          | 5°44           | 11°51          | 6°42  | M 8  |
| T 9  | 15 4 33  | 17°41'30         | 79526           | 27°20          | 0°10           | 17°29          | 14°14 | 1°52          | 3°52          | 6° 7          | 20°25 | 6°15          | 5°41           | 11°57          | 6°42  | T 9  |
| W10  | 15 8 29  | 18°39'29         | 20°23           | 27°30          | 29 <b>Y</b> 48 | 17° 7          | 14°28 | 1°56          | 3°51          | 6° 9          | 20°26 | 6° 9          | 5°38           | 12° 4          | 6°42  | W10  |
| T 11 | 15 12 26 | 19°37'27         | 3 <b>Ω</b> 33   | 27°46          | 29°28          | 16°45          | 14°43 | 1°59          | 3°49          | 6°11          | 20°28 | 6° 6          | 5°35           | 12°11          | 6°43  | T 11 |
| F 12 | 15 16 22 | 20°35'23         | 17° 1           | 28° 5          | 29°11          | 16°23          | 14°57 | 2° 2          | 3°48          | 6°12          | 20°29 | 6°D 5         | 5°31           | 12°17          | 6°43  | F 12 |
| S 13 | 15 20 19 | 21°33'17         | 0 <b>m</b> )47  | 28°29          | 28°56          | 16° 1          | 15°11 | 2° 5          | 3°46          | 6°14          | 20°30 | 6°R 5         | 5°28           | 12°24          | 6°R43 | S 13 |
| S 14 | 15 24 16 | 22°31'09         | 14°52           | 28°57          | 28°43          | 15°40          | 15°25 | 2° 8          | 3°45          | 6°16          | 20°31 | 6° 5          | 5°25           | 12°31          | 6°43  | S 14 |
| M15  | 15 28 12 | 23°29'00         | 29°17           | 29°30          | 28°33          | 15°18          | 15°40 | 2°11          | 3°43          | 6°17          | 20°33 | 6° 4          | 5°22           | 12°37          | 6°43  | M15  |
| T 16 | 15 32 9  | 24°26'48         | 13 <b>≏</b> 58  | 0 <b>8</b> 6   | 28°25          | 14°57          | 15°54 | 2°14          | 3°41          | 6°19          | 20°34 | 6° 0          | 5°19           | 12°44          | 6°42  | T 16 |
| W17  | 15 36 5  | 25°24'35         | 28°52           | 0°46           | 28°20          | 14°35          | 16° 8 | 2°16          | 3°40          | 6°21          | 20°35 | 5°53          | 5°16           | 12°51          | 6°42  | W17  |
| T 18 | 15 40 2  | 26°22'21         | 13 <b>M</b> 50  | 1°30           | 28°17          | 14°15          | 16°22 | 2°19          | 3°38          | 6°23          | 20°36 | 5°44          | 5°12           | 12°57          | 6°42  | T 18 |
| F 19 | 15 43 58 | 27°20'05         | 28°43           | 2°18           | 28°D16         | 13°54          | 16°36 | 2°22          | 3°36          | 6°24          | 20°38 | 5°33          | 5° 9           | 13° 4          | 6°41  | F 19 |
| S 20 | 15 47 55 | 28°17'48         | 13 <b>×</b> 23  | 3° 9           | 28°18          | 13°34          | 16°50 | 2°24          | 3°34          | 6°26          | 20°39 | 5°22          | 5° 6           | 13°11          | 6°41  | S 20 |
| S 21 | 15 51 51 | 29°15'30         | 27°42           | 4° 3           | 28°22          | 13°14          | 17° 4 | 2°26          | 3°32          | 6°28          | 20°40 | 5°12          | 5° 3           | 13°17          | 6°40  | S 21 |
| M22  | 15 55 48 | 0 <b>Ⅲ</b> 13'10 | 11 <b>る</b> 34  | 5° 1           | 28°28          | 12°54          | 17°19 | 2°29          | 3°30          | 6°30          | 20°42 | 5° 3          | 5° 0           | 13°24          | 6°40  | M22  |
| T 23 | 15 59 45 | 1°10'49          | 24°59           | 6° 2           | 28°37          | 12°35          | 17°33 | 2°31          | 3°29          | 6°32          | 20°43 | 4°57          | 4°56           | 13°31          | 6°39  | T 23 |
| W24  | 16 3 41  | 2° 8'27          | 7≈57            | 7° 6           | 28°48          | 12°16          | 17°47 | 2°33          | 3°27          | 6°34          | 20°44 | 4°54          | 4°53           | 13°37          | 6°38  | W24  |
| T 25 | 16 7 38  | 3° 6'05          | 20°31           | 8°13           | 29° 0          | 11°58          | 18° 1 | 2°35          | 3°25          | 6°36          | 20°46 | 4°52          | 4°50           | 13°44          | 6°38  | T 25 |
| F 26 | 16 11 34 | 4° 3'41          | 2 <b>)</b> 45   | 9°23           | 29°15          | 11°41          | 18°15 | 2°37          | 3°23          | 6°38          | 20°47 | 4°52          | 4°47           | 13°51          | 6°37  | F 26 |
| S 27 | 16 15 31 | 5° 1'16          | 14°45           | 10°36          | 29°32          | 11°24          | 18°29 | 2°38          | 3°21          | 6°40          | 20°48 | 4°52          | 4°44           | 13°57          | 6°36  | S 27 |
| S 28 | 16 19 27 | 5°58'51          | 26°37           | 11°51          | 29°51          | 11° 8          | 18°43 | 2°40          | 3°19          | 6°41          | 20°50 | 4°51          | 4°41           | 14° 4          | 6°35  | S 28 |
| M29  | 16 23 24 | 6°56'24          | 8 <b>Ƴ</b> 25   | 13°10          | 0 <b>8</b> 11  | 10°52          | 18°57 | 2°42          | 3°16          | 6°43          | 20°51 | 4°48          | 4°37           | 14°11          | 6°34  | M29  |
| T 30 | 16 27 20 | 7°53'57          | 20°15           | 14°31          | 0°33           | 10°37          | 19°10 | 2°43          | 3°14          | 6°45          | 20°53 | 4°42          | 4°34           | 14°18          | 6°32  | T 30 |
| W31  | 16 31 17 | 8 <b>Ⅱ</b> 51′28 | 2 <b>8</b> 9    | 15 <b>8</b> 55 | 0 <b>8</b> 57  | 10ML23         | 19824 | 2 <b>)</b> 45 | 3 <b>ਰ</b> 12 | 69547         | 20∏54 | 4 Mp 34       | 4 <b>m</b> /31 | 14 <b>Ƴ</b> 24 | 6≈31  | W31  |

Delta T = 5.35 sec

JUNE 1905 00:00 UT

| Day  | Sid.t    | $\odot$  | D               | φ             | ·     | ď             | 4              | ħ              | )ұ(   | ¥     | 5               | R       | Ω       | ţ              | Š     | Day  |
|------|----------|----------|-----------------|---------------|-------|---------------|----------------|----------------|-------|-------|-----------------|---------|---------|----------------|-------|------|
| T 1  | 16 35 14 | 9∏48'59  | 14812           | 17821         | 1823  | 10°R 9        | 19 <b>8</b> 38 | 2 <b>)</b> (46 | 3°R10 | 69549 | 20耳55           | 4°R23   | 4 Mp 28 | 14 <b>Y</b> 31 | 6°R30 | T 1  |
| F 2  | 16 39 10 | 10°46'29 | 26°26           | 18°50         | 1°50  | 9 <b>™</b> 56 | 19°52          | 2°47           | 3පි 8 | 6°52  | 20°57           | 4 Mp 11 | 4°25    | 14°38          | 6≈29  | F 2  |
| S 3  | 16 43 7  | 11°43'58 | 8耳52            | 20°22         | 2°19  | 9°44          | 20° 6          | 2°48           | 3° 6  | 6°54  | 20°58           | 3°58    | 4°22    | 14°44          | 6°27  | S 3  |
| S 4  | 16 47 3  | 12°41'26 | 21°30           | 21°57         | 2°49  | 9°33          | 20°19          | 2°49           | 3° 3  | 6°56  | 21° 0           | 3°45    | 4°18    | 14°51          | 6°26  | S 4  |
| M 5  | 16 51 0  | 13°38'54 | 49519           | 23°34         | 3°21  | 9°22          | 20°33          | 2°50           | 3° 1  | 6°58  | 21° 1           | 3°33    | 4°15    | 14°58          | 6°24  | M 5  |
| T 6  | 16 54 56 | 14°36'20 | 17°21           | 25°13         | 3°54  | 9°12          | 20°47          | 2°51           | 2°59  | 7° 0  | 21° 2           | 3°25    | 4°12    | 15° 4          | 6°23  | T 6  |
| W 7  | 16 58 53 | 15°33'45 | 0 <b>Ω</b> 34   | 26°55         | 4°28  | 9° 3          | 21° 0          | 2°52           | 2°57  | 7° 2  | 21° 4           | 3°18    | 4° 9    | 15°11          | 6°21  | W 7  |
| T 8  | 17 2 49  | 16°31'09 | 13°58           | 28°40         | 5° 3  | 8°55          | 21°14          | 2°52           | 2°54  | 7° 4  | 21° 5           | 3°15    | 4° 6    | 15°18          | 6°19  | T 8  |
| F 9  | 17 6 46  | 17°28'32 | 27°33           | 0 <b>Ⅲ</b> 27 | 5°40  | 8°48          | 21°27          | 2°53           | 2°52  | 7° 6  | 21° 7           | 3°D14   | 4° 2    | 15°24          | 6°17  | F 9  |
| S 10 | 17 10 43 | 18°25'54 | 11 <b>M</b> 21  | 2°17          | 6°18  | 8°41          | 21°41          | 2°53           | 2°50  | 7° 8  | 21° 8           | 3°R14   | 3°59    | 15°31          | 6°16  | S 10 |
| S 11 | 17 14 39 | 19°23'15 | 25°21           | 4° 9          | 6°57  | 8°36          | 21°54          | 2°53           | 2°47  | 7°10  | 21° 9           | 3°14    | 3°56    | 15°38          | 6°14  | S 11 |
| M12  | 17 18 36 | 20°20'34 | 9 <b>≙</b> 34   | 6° 3          | 7°37  | 8°31          | 22° 8          | 2°54           | 2°45  | 7°13  | 21°11           | 3°13    | 3°53    | 15°44          | 6°12  | M12  |
| T 13 | 17 22 32 | 21°17'53 | 23°57           | 8° 0          | 8°18  | 8°27          | 22°21          | 2°54           | 2°43  | 7°15  | 21°12           | 3° 9    | 3°50    | 15°51          | 6°10  | T 13 |
| W14  | 17 26 29 | 22°15'11 | 8 <b>M</b> 29   | 9°59          | 9° 0  | 8°24          | 22°34          | 2°R54          | 2°40  | 7°17  | 21°14           | 3° 3    | 3°47    | 15°58          | 6° 8  | W14  |
| T 15 | 17 30 25 | 23°12'28 | 23° 3           | 12° 1         | 9°43  | 8°22          | 22°48          | 2°54           | 2°38  | 7°19  | 21°15           | 2°55    | 3°43    | 16° 4          | 6° 6  | T 15 |
| F 16 | 17 34 22 | 24° 9'44 | 7 <b>,</b> ₹33  | 14° 4         | 10°27 | 8°20          | 23° 1          | 2°54           | 2°36  | 7°21  | 21°16           | 2°45    | 3°40    | 16°11          | 6° 3  | F 16 |
| S 17 | 17 38 18 | 25° 7'00 | 21°53           | 16° 9         | 11°12 | 8°D20         | 23°14          | 2°53           | 2°33  | 7°23  | 21°18           | 2°35    | 3°37    | 16°18          | 6° 1  | S 17 |
| S 18 | 17 42 15 | 26° 4'15 | 5 <b>る</b> 57   | 18°16         | 11°58 | 8°20          | 23°27          | 2°53           | 2°31  | 7°26  | 21°19           | 2°26    | 3°34    | 16°24          | 5°59  | S 18 |
| M19  | 17 46 12 | 27° 1'30 | 19°40           | 20°24         | 12°44 | 8°21          | 23°40          | 2°52           | 2°28  | 7°28  | 21°21           | 2°18    | 3°31    | 16°31          | 5°57  | M19  |
| T 20 | 17 50 8  | 27°58'44 | 2≈59            | 22°33         | 13°31 | 8°22          | 23°53          | 2°52           | 2°26  | 7°30  | 21°22           | 2°12    | 3°28    | 16°38          | 5°54  | T 20 |
| W21  | 17 54 5  | 28°55'58 | 15°55           | 24°43         | 14°20 | 8°25          | 24° 6          | 2°51           | 2°23  | 7°32  | 21°23           | 2° 8    | 3°24    | 16°44          | 5°52  | W21  |
| T 22 | 17 58 1  | 29°53'11 | 28°29           | 26°54         | 15° 8 | 8°28          | 24°19          | 2°50           | 2°21  | 7°34  | 21°25           | 2°D 7   | 3°21    | 16°51          | 5°49  | T 22 |
| F 23 | 18 1 58  | 0950'25  | 10 <b>)</b> (45 | 29° 6         | 15°58 | 8°32          | 24°31          | 2°49           | 2°19  | 7°37  | 21°26           | 2° 7    | 3°18    | 16°58          | 5°47  | F 23 |
| S 24 | 18 5 54  | 1°47'38  | 22°47           | 19917         | 16°48 | 8°37          | 24°44          | 2°49           | 2°16  | 7°39  | 21°28           | 2° 8    | 3°15    | 17° 5          | 5°44  | S 24 |
| S 25 | 18 9 51  | 2°44'52  | <b>4</b> Υ40    | 3°28          | 17°39 | 8°43          | 24°57          | 2°47           | 2°14  | 7°41  | 21°29           | 2°R 8   | 3°12    | 17°11          | 5°42  | S 25 |
| M26  | 18 13 47 | 3°42'05  | 16°31           | 5°39          | 18°31 | 8°49          | 25° 9          | 2°46           | 2°11  | 7°43  | 21°30           | 2° 7    | 3° 8    | 17°18          | 5°39  | M26  |
| T 27 | 18 17 44 | 4°39'18  | 28°23           | 7°50          | 19°23 | 8°56          | 25°22          | 2°45           | 2° 9  | 7°46  | 21°32           | 2° 5    | 3° 5    | 17°25          | 5°36  | T 27 |
| W28  | 18 21 41 | 5°36'31  | 10821           | 9°59          | 20°16 | 9° 4          | 25°34          | 2°44           | 2° 6  | 7°48  | 21°33           | 1°59    | 3° 2    | 17°31          | 5°34  | W28  |
| T 29 | 18 25 37 | 6°33'45  | 22°30           | 12° 7         | 21° 9 | 9°13          | 25°47          | 2°42           | 2° 4  | 7°50  | 21°35           | 1°52    | 2°59    | 17°38          | 5°31  | T 29 |
| F 30 | 18 29 34 | 7930'58  | 4 <b>Ⅱ</b> 52   | 149514        | 228 3 | 9 <b>M</b> 22 | 25 <b>8</b> 59 | 2 <b>∺</b> 41  | 2ਰ 1  | 7952  | 21 <b>II</b> 36 | 1 Mp 44 | 2 Mp 56 | 17 <b>Ƴ</b> 45 | 5≈28  | F 30 |

Delta T = 5.47 sec

JULY 1905 00:00 UT

| Day  | Sid.t    | 0               | D              | ğ             | ·              | ď             | 4              | ħ             | )∤(           | 卉    | Р               | 'n              | Ω               | Ç              | ę,    | Day  |
|------|----------|-----------------|----------------|---------------|----------------|---------------|----------------|---------------|---------------|------|-----------------|-----------------|-----------------|----------------|-------|------|
| S 1  | 18 33 30 | 8928'12         | 17 <b>川</b> 30 | 16919         | 22 <b>8</b> 57 | 9 <b>M</b> 32 | 26 <b>8</b> 12 | 2°R39         | 1°R59         | 7954 | 21 <b>II</b> 37 | 1°R35           | 2 My 53         | 17 <b>Y</b> 51 | 5°R25 | S 1  |
| S 2  | 18 37 27 | 9°25'25         | 0ණ23           | 18°23         | 23°52          | 9°43          | 26°24          | 2 <b>∺</b> 37 | 1 <b>る</b> 57 | 7°57 | 21°39           | 1 <b>m</b> ) 25 | 2°49            | 17°58          | 5≈22  | S 2  |
| M 3  | 18 41 23 | 10°22'39        | 13°32          | 20°25         | 24°47          | 9°54          | 26°36          | 2°36          | 1°54          | 7°59 | 21°40           | 1°17            | 2°46            | 18° 5          | 5°19  | M 3  |
| T 4  | 18 45 20 | 11°19'52        | 26°56          | 22°26         | 25°43          | 10° 6         | 26°48          | 2°34          | 1°52          | 8° 1 | 21°41           | 1°11            | 2°43            | 18°11          | 5°16  | T 4  |
| W 5  | 18 49 17 | 12°17'06        | 10 <b>Ω</b> 31 | 24°24         | 26°40          | 10°19         | 27° 0          | 2°32          | 1°49          | 8° 3 | 21°43           | 1° 7            | 2°40            | 18°18          | 5°13  | W 5  |
| T 6  | 18 53 13 | 13°14'19        | 24°17          | 26°21         | 27°36          | 10°32         | 27°12          | 2°30          | 1°47          | 8° 6 | 21°44           | 1° 5            | 2°37            | 18°25          | 5°10  | T 6  |
| F 7  | 18 57 10 | 14°11'32        | 8 Mp 12        | 28°16         | 28°34          | 10°46         | 27°24          | 2°27          | 1°45          | 8° 8 | 21°45           | 1°D 5           | 2°33            | 18°31          | 5° 7  | F 7  |
| S 8  | 19 1 6   | 15° 8'45        | 22°13          | 0 <b>Ω</b> 9  | 29°31          | 11° 1         | 27°35          | 2°25          | 1°42          | 8°10 | 21°47           | 1° 6            | 2°30            | 18°38          | 5° 4  | S 8  |
| S 9  | 19 5 3   | 16° 5'57        | 6 <b>₽</b> 19  | 2° 0          | 0 <b>П</b> 29  | 11°16         | 27°47          | 2°23          | 1°40          | 8°12 | 21°48           | 1° 7            | 2°27            | 18°45          | 5° 1  | S 9  |
| M10  | 19 8 59  | 17° 3'10        | 20°29          | 3°49          | 1°27           | 11°32         | 27°59          | 2°20          | 1°38          | 8°15 | 21°49           | 1°R 8           | 2°24            | 18°51          | 4°58  | M10  |
| T 11 | 19 12 56 | 18° 0'22        | 4 <b>M</b> .42 | 5°36          | 2°26           | 11°48         | 28°10          | 2°18          | 1°35          | 8°17 | 21°51           | 1° 6            | 2°21            | 18°58          | 4°55  | T 11 |
| W12  | 19 16 52 | 18°57'34        | 18°55          | 7°21          | 3°25           | 12° 5         | 28°21          | 2°15          | 1°33          | 8°19 | 21°52           | 1° 4            | 2°18            | 19° 5          | 4°51  | W12  |
| T 13 | 19 20 49 | 19°54'47        | 3 <b>∡</b> 5   | 9° 4          | 4°25           | 12°23         | 28°33          | 2°13          | 1°31          | 8°21 | 21°53           | 0°59            | 2°14            | 19°12          | 4°48  | T 13 |
| F 14 | 19 24 46 | 20°51'59        | 1 <u>7°</u> 9  | 10°45         | 5°25           | 12°41         | 28°44          | 2°10          | 1°29          | 8°23 | 21°54           | 0°53            | 2°11            | 19°18          | 4°45  | F 14 |
| S 15 | 19 28 42 | 21°49'12        | 1중 2           | 12°24         | 6°25           | 13° 0         | 28°55          | 2° 7          | 1°26          | 8°26 | 21°56           | 0°47            | 2° 8            | 19°25          | 4°42  | S 15 |
| S 16 | 19 32 39 | 22°46'25        | 14°42          | 14° 2         | 7°25           | 13°19         | 29° 6          | 2° 4          | 1°24          | 8°28 | 21°57           | 0°41            | 2° 5            | 19°32          | 4°38  | S 16 |
| M17  | 19 36 35 | 23°43'38        | 28° 5          | 15°37         | 8°26           | 13°39         | 29°17          | 2° 1          | 1°22          | 8°30 | 21°58           | 0°37            | 2° 2            | 19°38          | 4°35  | M17  |
| T 18 | 19 40 32 | 24°40'52        | 11≈10          | 17°10         | 9°27           | 13°59         | 29°28          | 1°58          | 1°20          | 8°32 | 21°59           | 0°33            | 1°59            | 19°45          | 4°32  | T 18 |
| W19  | 19 44 28 | 25°38'06        | 23°56          | 18°42         | 10°28          | 14°19         | 29°39          | 1°55          | 1°18          | 8°34 | 22° 0           | 0°32            | 1°55            | 19°52          | 4°29  | W19  |
| T 20 | 19 48 25 | 26°35'21        | 6 <b>∺</b> 25  | 20°11         | 11°30          | 14°41         | 29°49          | 1°52          | 1°15          | 8°36 | 22° 2           | 0°D32           | 1°52            | 19°58          | 4°25  | T 20 |
| F 21 | 19 52 21 | 27°32'36        | 18°38          | 21°38         | 12°32          | 15° 2         | 29°59          | 1°49          | 1°13          | 8°38 | 22° 3           | 0°33            | 1°49            | 20° 5          | 4°22  | F 21 |
| S 22 | 19 56 18 | 28°29'52        | 0 <b>Υ</b> 40  | 23° 4         | 13°34          | 15°25         | 0 <b>耳</b> 10  | 1°45          | 1°11          | 8°41 | 22° 4           | 0°34            | 1°46            | 20°12          | 4°19  | S 22 |
| S 23 | 20 0 15  | 29°27'09        | 12°35          | 24°27         | 14°37          | 15°47         | 0°21           | 1°42          | 1° 9          | 8°43 | 22° 5           | 0°36            | 1°43            | 20°18          | 4°15  | S 23 |
| M24  | 20 4 11  | $0\Omega 24'27$ | 24°26          | 25°48         | 15°40          | 16°10         | 0°31           | 1°38          | 1° 7          | 8°45 | 22° 6           | 0°37            | 1°39            | 20°25          | 4°12  | M24  |
| T 25 | 20 8 8   | 1°21'46         | 6819           | 27° 7         | 16°43          | 16°34         | 0°41           | 1°35          | 1° 5          | 8°47 | 22° 8           | 0°R37           | 1°36            | 20°32          | 4° 8  | T 25 |
| W26  | 20 12 4  | 2°19'05         | 18°19          | 28°24         | 17°46          | 16°58         | 0°51           | 1°31          | 1° 3          | 8°49 | 22° 9           | 0°36            | 1°33            | 20°38          | 4° 5  | W26  |
| T 27 | 20 16 1  | 3°16'26         | 0Д30           | 29°39         | 18°50          | 17°22         | 1° 1           | 1°28          | 1° 1          | 8°51 | 22°10           | 0°34            | 1°30            | 20°45          | 4° 2  | T 27 |
| F 28 | 20 19 57 | 4°13'48         | 12°56          | 0 <b>m</b> 52 | 19°53          | 17°47         | 1°11           | 1°24          | 0°59          | 8°53 | 22°11           | 0°30            | 1°27            | 20°52          | 3°58  | F 28 |
| S 29 | 20 23 54 | 5°11'10         | 25°41          | 2° 2          | 20°58          | 18°12         | 1°20           | 1°20          | 0°57          | 8°55 | 22°12           | 0°27            | 1°24            | 20°59          | 3°55  | S 29 |
| S 30 | 20 27 50 | 6° 8'34         | 8 <b>9</b> 45  | 3° 9          | 22° 2          | 18°38         | 1°30           | 1°16          | 0°56          | 8°57 | 22°13           | 0°23            | 1°20            | 21° 5          | 3°52  | S 30 |
| M31  | 20 31 47 | 7 <b>Ω</b> 5'58 | 229 9          | 4 Mp 15       | 23 <b>I</b> 6  | 19 <b>M</b> 4 | 1 <b>II</b> 40 | 1 <b>)</b> 12 | 0 <b>궁</b> 54 | 8959 | 22 <b>I</b> I4  | 0 <b>m</b> ,20  | 1 <b>M</b> ) 17 | 21 <b>Y</b> 12 | 3≈48  | M31  |

Delta T = 5.58 sec

AUGUST 1905 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ             | ·               | ð               | 4             | ħ              | )∱(           | 并             | Р               | £              | ಬ               | ţ              | ę,    | Day  |
|------|----------|-------------------|----------------|---------------|-----------------|-----------------|---------------|----------------|---------------|---------------|-----------------|----------------|-----------------|----------------|-------|------|
| T 1  | 20 35 44 | 8 <b>Ω</b> 3'24   | 5 <b>Ω</b> 53  | 5 <b>m</b> 17 | 24 <b>I</b> I11 | 19 <b>M</b> .31 | 1 <b>Ⅱ</b> 49 | 1°R 8          | 0°R52         | 999 1         | 22 <b>II</b> 15 | 0°R17          | 1 <b>m</b> ) 14 | 21 <b>Υ</b> 19 | 3°R45 | T 1  |
| W 2  | 20 39 40 | 9° 0'50           | 19°52          | 6°17          | 25°16           | 19°58           | 1°58          | 1 <b>∺</b> 4   | 0 <b>궁</b> 50 | 9° 3          | 22°16           | 0 <b>m</b> /16 | 1°11            | 21°25          | 3≈42  | W 2  |
| T 3  | 20 43 37 | 9°58'17           | 4M) 4          | 7°14          | 26°21           | 20°25           | 2° 7          | 1° 0           | 0°48          | 9° 5          | 22°17           | 0°D16          | 1° 8            | 21°32          | 3°38  | T 3  |
| F 4  | 20 47 33 | 10°55'45          | 18°24          | 8° 8          | 27°26           | 20°52           | 2°16          | 0°56           | 0°47          | 9° 7          | 22°18           | 0°16           | 1° 5            | 21°39          | 3°35  | F 4  |
| S 5  | 20 51 30 | 11°53'14          | 2 <b>≏</b> 48  | 8°59          | 28°32           | 21°21           | 2°25          | 0°52           | 0°45          | 9° 9          | 22°19           | 0°17           | 1° 1            | 21°45          | 3°31  | S 5  |
| S 6  | 20 55 26 | 12°50'43          | 17°11          | 9°47          | 29°37           | 21°49           | 2°34          | 0°48           | 0°44          | 9°11          | 22°20           | 0°19           | 0°58            | 21°52          | 3°28  | S 6  |
| M 7  | 20 59 23 | 13°48'14          | 1 <b>M</b> 30  | 10°31         | 0ණ43            | 22°18           | 2°42          | 0°44           | 0°42          | 9°13          | 22°21           | 0°19           | 0°55            | 21°59          | 3°25  | M 7  |
| T 8  | 21 3 19  | 14°45'45          | 15°43          | 11°12         | 1°49            | 22°47           | 2°51          | 0°40           | 0°40          | 9°15          | 22°22           | 0°R20          | 0°52            | 22° 5          | 3°22  | T 8  |
| W 9  | 21 7 16  | 15°43'16          | 29°46          | 11°48         | 2°55            | 23°16           | 2°59          | 0°35           | 0°39          | 9°17          | 22°23           | 0°19           | 0°49            | 22°12          | 3°18  | W 9  |
| T 10 | 21 11 12 | 16°40'49          | 13 <b>×</b> 39 | 12°21         | 4° 2            | 23°46           | 3° 7          | 0°31           | 0°37          | 9°19          | 22°24           | 0°18           | 0°45            | 22°19          | 3°15  | T 10 |
| F 11 | 21 15 9  | 17°38'22          | 2 <u>7</u> °19 | 12°50         | 5° 8            | 24°16           | 3°15          | 0°27           | 0°36          | 9°21          | 22°25           | 0°17           | 0°42            | 22°26          | 3°12  | F 11 |
| S 12 | 21 19 6  | 18°35'57          | 10 <b>궁</b> 47 | 13°14         | 6°15            | 24°46           | 3°23          | 0°22           | 0°35          | 9°22          | 22°26           | 0°15           | 0°39            | 22°32          | 3° 9  | S 12 |
| S 13 | 21 23 2  | 19°33'32          | 24° 1          | 13°34         | 7°22            | 25°17           | 3°31          | 0°18           | 0°33          | 9°24          | 22°26           | 0°14           | 0°36            | 22°39          | 3° 5  | S 13 |
| M14  | 21 26 59 | 20°31'09          | 7≈ 1           | 13°49         | 8°29            | 25°48           | 3°39          | 0°14           | 0°32          | 9°26          | 22°27           | 0°13           | 0°33            | 22°46          | 3° 2  | M14  |
| T 15 | 21 30 55 | 21°28'46          | 19°46          | 13°59         | 9°36            | 26°19           | 3°46          | 0° 9           | 0°31          | 9°28          | 22°28           | 0°12           | 0°30            | 22°52          | 2°59  | T 15 |
| W16  | 21 34 52 | 22°26'25          | 2 <b>)</b> 18  | 14°R 3        | 10°43           | 26°51           | 3°54          | 0° 5           | 0°30          | 9°30          | 22°29           | 0°D12          | 0°26            | 22°59          | 2°56  | W16  |
| T 17 | 21 38 48 | 23°24'05          | 14°37          | 14° 3         | 11°51           | 27°23           | 4° 1          | 0° 0           | 0°28          | 9°31          | 22°30           | 0°12           | 0°23            | 23° 6          | 2°53  | T 17 |
| F 18 | 21 42 45 | 24°21'47          | 26°44          | 13°56         | 12°59           | 27°55           | 4° 8          | 29≈56          | 0°27          | 9°33          | 22°30           | 0°13           | 0°20            | 23°12          | 2°50  | F 18 |
| S 19 | 21 46 41 | 25°19'30          | 8 <b>Ƴ</b> 43  | 13°44         | 14° 6           | 28°27           | 4°15          | 29°51          | 0°26          | 9°35          | 22°31           | 0°13           | 0°17            | 23°19          | 2°47  | S 19 |
| S 20 | 21 50 38 | 26°17'15          | 20°36          | 13°26         | 15°14           | 29° 0           | 4°22          | 29°47          | 0°25          | 9°36          | 22°32           | 0°14           | 0°14            | 23°26          | 2°44  | S 20 |
| M21  | 21 54 35 | 27°15'01          | 2 <b>8</b> 27  | 13° 3         | 16°23           | 29°33           | 4°28          | 29°42          | 0°24          | 9°38          | 22°33           | 0°14           | 0°11            | 23°33          | 2°41  | M21  |
| T 22 | 21 58 31 | 28°12'49          | 14°20          | 12°33         | 17°31           | 0 <b>,₹</b> 6   | 4°35          | 29°38          | 0°23          | 9°40          | 22°33           | 0°15           | 0° 7            | 23°39          | 2°38  | T 22 |
| W23  | 22 2 28  | 29°10'38          | 26°19          | 11°59         | 18°39           | 0°40            | 4°41          | 29°33          | 0°22          | 9°41          | 22°34           | 0°15           | 0° 4            | 23°46          | 2°35  | W23  |
| T 24 | 22 6 24  | 0 <b>m</b> ) 8'30 | 8 <b>Ⅱ</b> 29  | 11°19         | 19°48           | 1°13            | 4°47          | 29°28          | 0°22          | 9°43          | 22°35           | 0°15           | 0° 1            | 23°53          | 2°32  | T 24 |
| F 25 | 22 10 21 | 1° 6'23           | 20°54          | 10°35         | 20°57           | 1°47            | 4°53          | 29°24          | 0°21          | 9°44          | 22°35           | 0°15           | 29 <b>Ω</b> 58  | 23°59          | 2°30  | F 25 |
| S 26 | 22 14 17 | 2° 4'18           | 3939           | 9°46          | 22° 5           | 2°22            | 4°59          | 29°19          | 0°20          | 9°46          | 22°36           | 0°15           | 29°55           | 24° 6          | 2°27  | S 26 |
| S 27 | 22 18 14 | 3° 2'15           | 16°46          | 8°54          | 23°14           | 2°56            | 5° 5          | 29°15          | 0°19          | 9°47          | 22°36           | 0°15           | 29°51           | 24°13          | 2°24  | S 27 |
| M28  | 22 22 10 | 4° 0'13           | 0Ω17           | 8° 0          | 24°24           | 3°31            | 5°10          | 29°10          | 0°19          | 9°49          | 22°37           | 0°15           | 29°48           | 24°19          | 2°22  | M28  |
| T 29 | 22 26 7  | 4°58'13           | 14°11          | 7° 5          | 25°33           | 4° 6            | 5°15          | 29° 6          | 0°18          | 9°50          | 22°38           | 0°16           | 29°45           | 24°26          | 2°19  | T 29 |
| W30  | 22 30 4  | 5°56'15           | 28°28          | 6° 9          | 26°42           | 4°41            | 5°21          | 29° 1          | 0°17          | 9°52          | 22°38           | 0°R16          | 29°42           | 24°33          | 2°16  | W30  |
| T 31 | 22 34 0  | 6 <b>M</b> 54'19  | 13 <b>m</b> 3  | 5 <b>m</b> 13 | 27952           | 5 <b>,₹</b> 17  | 5 <b>Ⅱ</b> 26 | 28 <b>≈</b> 57 | 0 <b>궁</b> 17 | 9 <b>9</b> 53 | 22 <b>Ⅱ</b> 39  | 0 <b>m</b> 16  | 29 <b>Ω</b> 39  | 24 <b>Y</b> 39 | 2≈14  | T 31 |

Delta T = 5.69 sec

SEPTEMBER 1905 00:00 UT

| Day          | Sid.t                | 0                          | D                      | ğ                        | φ              | ď                        | 4             | ħ                      | )f(                                | ¥              | В               | ß                       | v                  | Ç                         | ç                     | Day          |
|--------------|----------------------|----------------------------|------------------------|--------------------------|----------------|--------------------------|---------------|------------------------|------------------------------------|----------------|-----------------|-------------------------|--------------------|---------------------------|-----------------------|--------------|
| F 1          | 22 37 57             | 7 <b>m</b> 52'24           | 27 <b>m</b> 49         | 4°R20                    | 2995 1         | 5 <b>₹</b> 52            | 5 <b>Ⅱ</b> 30 | 28°R52                 | 0°R17                              | 9954           | 22П39           | 0°R15                   | 29⋒36              | 24 <b>Y</b> 46            | 2°R11                 | F 1          |
| S 2          | 22 41 53             | 8°50'31                    | 12 <b>≏</b> 39         | 3 <b>m</b> 30            | 0 <b>Ω</b> 11  | 6°28                     | 5°35          | 28≈48                  | 0 <b>ਰ</b> 16                      | 9°56           | 22°40           | 0 <b>m</b> 14           | 29°32              | 24°53                     | 2≈ 9                  | S 2          |
| S 3          | 22 45 50             | 9°48'39                    | 27°26                  | 2°45                     | 1°21           | 7° 4                     | 5°39          | 28°44                  | 0°16                               | 9°57           | 22°40           | 0°13                    | 29°29              | 25° 0                     | 2° 6                  | S 3          |
| M 4          | 22 49 46             | 10°46'48                   | 12 <b>M</b> 3          | 2° 5                     | 2°31           | 7°41                     | 5°44          | 28°39                  | 0°15                               | 9°58           | 22°40           | 0°12                    | 29°26              | 25° 6                     | 2° 4                  | M 4          |
| T 5          | 22 53 43             | 11°44'59                   | 26°25                  | 1°31                     | 3°41           | 8°17                     | 5°48          | 28°35                  | 0°15                               | 10° 0          | 22°41           | 0°11                    | 29°23              | 25°13                     | 2° 2                  | T 5          |
| W 6          | 22 57 39             | 12°43'12                   | 10 <b>×</b> 29         | 1° 5                     | 4°51           | 8°54                     | 5°52          | 28°30                  | 0°15                               | 10° 1          | 22°41           | 0°D11                   | 29°20              | 25°20                     | 2° 0                  | W 6          |
| T 7          | 23 1 36              | 13°41'26                   | 24°15                  | 0°46                     | 6° 1           | 9°31                     | 5°55          | 28°26                  | 0°15                               | 10° 2          | 22°42           | 0°11                    | 29°16              | 25°26                     | 1°57                  | T 7          |
| F 8<br>S 9   | 23 5 33<br>23 9 29   | 14°39'42<br>15°37'59       | 7 <b>る</b> 41<br>20°50 | 0°36<br>0°D35            | 7°11<br>8°22   | 10° 8<br>10°45           | 5°59<br>6°2   | 28°22<br>28°18         | 0°15<br>0°15                       | 10° 3<br>10° 4 | 22°42<br>22°42  | 0°12<br>0°13            | 29°13<br>29°10     | 25°33<br>25°40            | 1°55<br>1°53          | F 8<br>S 9   |
|              |                      |                            |                        |                          | _              |                          |               |                        |                                    | -              |                 |                         |                    |                           |                       |              |
| S 10         | 23 13 26             | 16°36'17                   | 3≈43                   | 0°43                     | 9°33           | 11°23                    | 6° 6          | 28°13                  | 0°D15                              | 10° 6          | 22°43           | 0°14                    | 29° 7              | 25°46                     | 1°51                  | S 10         |
| M11          | 23 17 22             | 17°34'38                   | 16°21                  | 1° 0                     | 10°43          | 12° 1                    | 6° 9          | 28° 9                  | 0°15                               | 10° 7          | 22°43           | 0°16                    | 29° 4              | 25°53                     | 1°49                  | M11          |
| T 12<br>W13  | 23 21 19<br>23 25 15 | 18°32'59<br>19°31'23       | 28°48<br>11 <b>)</b> 4 | 1°26<br>2° 1             | 11°54<br>13° 5 | 12°39<br>13°17           | 6°11<br>6°14  | 28° 5<br>28° 1         | 0°15<br>0°15                       | 10° 8<br>10° 9 | 22°43<br>22°43  | 0°R16<br>0°16           | 29° 1<br>28°57     | 26° 0<br>26° 7            | 1°47<br>1°45          | T 12<br>W13  |
| T 14         | 23 25 15 23 29 12    | 19°31°23<br>20°29'48       | 23°12                  | 2°44                     | 13° 5          | 13°17<br>13°55           | 6°14          | 28° 1<br>27°57         | 0°15                               | 10° 9          | 22°43           | 0°16                    | 28°54              | 26°13                     | 1°43                  | T 14         |
| F 15         | 23 23 12             | 20°29'16                   | 5 <b>Υ</b> 12          | 3°36                     | 15°27          | 14°33                    | 6°19          | 27°53                  | 0°15                               | 10°11          | 22°44           | 0°12                    | 28°51              | 26°20                     | 1°42                  | F 15         |
| S 16         | 23 37 5              | 22°26'45                   | 17° 7                  | 4°35                     | 16°38          | 15°12                    | 6°21          | 27°49                  | 0°16                               | 10°12          | 22°44           | 0° 9                    | 28°48              | 26°27                     | 1°40                  | S 16         |
| S 17         | 23 41 1              | 23°25'16                   | 28°59                  | 5°41                     | 17°50          | 15°51                    | 6°23          | 27°45                  | 0°16                               | 10°13          | 22°44           | 0° 5                    | 28°45              | 26°33                     | 1°39                  | S 17         |
| M18          | 23 44 58             | 24°23'49                   | 10849                  | 6°54                     | 19° 1          | 16°30                    | 6°24          | 27°42                  | 0°16                               | 10°13          | 22°44           | 0° 1                    | 28°42              | 26°40                     | 1°37                  | M18          |
| T 19         | 23 48 55             | 25°22'25                   | 22°42                  | 8°13                     | 20°12          | 17° 9                    | 6°26          | 27°38                  | 0°17                               | 10°14          | 22°44           | 29 <b>N</b> 57          | 28°38              | 26°47                     | 1°36                  | T 19         |
| W20          | 23 52 51             | 26°21'02                   | 4 <b>Ⅱ</b> 40          | 9°37                     | 21°24          | 17°48                    | 6°27          | 27°34                  | 0°17                               | 10°15          | 22°44           | 29°54                   | 28°35              | 26°53                     | 1°34                  | W20          |
| T 21         | 23 56 48             | 27°19'42                   | 16°48                  | 11° 6                    | 22°36          | 18°27                    | 6°28          | 27°30                  | 0°18                               | 10°16          | 22°44           | 29°52                   | 28°32              | 27° 0                     | 1°33                  | T 21         |
| F 22         | 0 0 44               | 28°18'24                   | 29°10                  | 12°39                    | 23°48          | 19° 7                    | 6°29          | 27°27                  | 0°19                               | 10°17          | 22°45           | 29°D52                  | 28°29              | 27° 7                     | 1°32                  | F 22         |
| S 23         | 0 441                | 29°17'09                   | 119549                 | 14°15                    | 24°59          | 19°47                    | 6°30          | 27°23                  | 0°19                               | 10°17          | 22°R45          | 29°53                   | 28°26              | 27°14                     | 1°30                  | S 23         |
| S 24         | 0 8 37               | 0 <b>≏</b> 15'56           | 24°51                  | 15°55                    | 26°11          | 20°27                    | 6°30          | 27°20                  | 0°20                               | 10°18          | 22°45           | 29°54                   | 28°22              | 27°20                     | 1°29                  | S 24         |
| M25          | 0 12 34              | 1°14'44                    | 8 <b>Ω</b> 18          | 17°36                    | 27°23          | 21° 7                    | 6°30          | 27°17                  | 0°21                               | 10°19          | 22°45           | 29°55                   | 28°19              | 27°27                     | 1°28                  | M25          |
| T 26         | 0 16 30              | 2°13'36                    | 22°13                  | 19°20                    | 28°36          | 21°47                    | 6°R30         | 27°13                  | 0°21                               | 10°19          | 22°44           | 29°57                   | 28°16              | 27°34                     | 1°27                  | T 26         |
| W27          | 0 20 27              | 3°12'29                    | 6Mp34                  | 21° 5                    | 29°48          | 22°27                    | 6°30          | 27°10                  | 0°22                               | 10°20          | 22°44           | 29°R57                  | 28°13              | 27°40                     | 1°26                  | W27          |
| T 28<br>F 29 | 0 24 24<br>0 28 20   | 4°11'24<br>5°10'22         | 21°19<br>6 <b>Ω</b> 21 | 22°52<br>24°39           | 1 Mp 0<br>2°13 | 23° 8<br>23°48           | 6°30<br>6°29  | 27° 7<br>27° 4         | 0°23<br>0°24                       | 10°21<br>10°21 | 22°44<br>22°44  | 29°55<br>29°52          | 28°10<br>28° 7     | 27°47<br>27°54            | 1°25<br>1°24          | T 28<br>F 29 |
| S 30         | 0 28 20 0 32 17      | 5°10°22<br>6 <b>₽</b> 9'21 | 21 <u>0</u> 32         | 24°39<br>26 <b>m</b> )27 | 3 Mp 25        | 23°48<br>24 <b>×</b> 129 | 6 <b>Ⅱ</b> 29 | 27* 4<br>27 <b>≈</b> 1 | 0 <sup>-</sup> 24<br>0 <b>중</b> 25 | 10°21          | 22 <b> 1</b> 44 | 29°52<br>29 <b>Ω</b> 47 | 28 <b>\Omega</b> 3 | $\frac{2}{28}$ <b>Y</b> 0 | 1°24<br>1 <b>≈</b> 24 | F 29<br>S 30 |

Delta T = 5.80 sec

OCTOBER 1905 00:00 UT

| Day  | Sid.t   | 0               | D                       | ğ              | φ              | ď              | 4             | ħ              | )∤(           | 并              | В              | N.              | v              | Ç             | , k          | Day          |
|------|---------|-----------------|-------------------------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|-----------------|----------------|---------------|--------------|--------------|
| S 1  | 0 36 13 | 7 <b>♀</b> 8'23 | 6M42                    | 28 m 15        | 4 m) 38        | 25 <b>×</b> 10 | 6°R28         | 26°R58         | 0 <b>ට</b> 26 | 109522         | 22°R44         | 29°R42          | 28 <b>Ω</b> 0  | 28 <b>°</b> 7 | 1°R23        | S 1          |
| M 2  | 0 40 10 | 8° 7'26         | 21°40                   | 0 <u>∞</u> 3   | 5°50           | 25°51          | 6 <b>Ⅱ</b> 26 | 26≈55          | 0°27          | 10°22          | 22 <b>Ⅱ</b> 44 | 29 <b>Ω</b> 36  | 27°57          | 28°14         | 1≈22         | M 2          |
| T 3  | 0 44 6  | 9° 6'31         | 6 <b>₹</b> 19           | 1°51           | 7° 3           | 26°32          | 6°25          | 26°52          | 0°29          | 10°23          | 22°43          | 29°32           | 27°54          | 28°21         | 1°22         | T 3          |
| W 4  | 0 48 3  | 10° 5'38        | 20°33                   | 3°39           | 8°16           | 27°13          | 6°24          | 26°50          | 0°30          | 10°23          | 22°43          | 29°28           | 27°51          | 28°27         | 1°21         | W 4          |
| T 5  | 0 51 59 | 11° 4'47        | 4 <b>궁</b> 22           | 5°27           | 9°29           | 27°55          | 6°22          | 26°47          | 0°31          | 10°24          | 22°43          | 29°27           | 27°48          | 28°34         | 1°21         | T 5          |
| F 6  | 0 55 56 | 12° 3'58        | 17°45                   | 7°14           | 10°41          | 28°36          | 6°20          | 26°44          | 0°32          | 10°24          | 22°43          | 29°D27          | 27°44          | 28°41         | 1°21         | F 6          |
| S 7  | 0 59 53 | 13° 3'10        | 0≈45                    | 9° 0           | 11°54          | 29°18          | 6°18          | 26°42          | 0°34          | 10°24          | 22°42          | 29°28           | 27°41          | 28°47         | 1°20         | S 7          |
| S 8  | 1 3 49  | 14° 2'24        | 13°25                   | 10°46          | 13° 7          | 29°59          | 6°15          | 26°40          | 0°35          | 10°24          | 22°42          | 29°29           | 27°38          | 28°54         | 1°20         | S 8          |
| M 9  | 1 7 46  | 15° 1'40        | 25°50                   | 12°32          | 14°21          | 0 <b>궁</b> 42  | 6°13          | 26°37          | 0°37          | 10°25          | 22°42          | 29°R30          | 27°35          | 29° 1         | 1°20         | M 9          |
| T 10 | 1 11 42 | 16° 0'57        | 8 <b>∺</b> 3            | 14°17          | 15°34          | 1°24           | 6°10          | 26°35          | 0°38          | 10°25          | 22°41          | 29°30           | 27°32          | 29° 8         | 1°D20        | T 10         |
| W11  | 1 15 39 | 17° 0'17        | 20° 7                   | 16° 1          | 16°47          | 2° 6           | 6° 7          | 26°33          | 0°40          | 10°25          | 22°41          | 29°27           | 27°28          | 29°14         | 1°20         | W11          |
| T 12 | 1 19 35 | 17°59'38        | 2 <b>Υ</b> 5            | 17°44          | 18° 0          | 2°48           | 6° 4          | 26°31          | 0°41          | 10°25          | 22°41          | 29°23           | 27°25          | 29°21         | 1°20         | T 12         |
| F 13 | 1 23 32 | 18°59'02        | 13°59                   | 19°27          | 19°14          | 3°30           | 6° 1          | 26°29          | 0°43          | 10°25          | 22°40          | 29°16           | 27°22          | 29°28         | 1°20         | F 13         |
| S 14 | 1 27 28 | 19°58'27        | 25°51                   | 21° 9          | 20°27          | 4°13           | 5°57          | 26°28          | 0°45          | 10°R25         | 22°40          | 29° 7           | 27°19          | 29°34         | 1°21         | S 14         |
| S 15 | 1 31 25 | 20°57'54        | 7 <b>8</b> 42           | 22°50          | 21°41          | 4°55           | 5°53          | 26°26          | 0°46          | 10°25          | 22°39          | 28°57           | 27°16          | 29°41         | 1°21         | S 15         |
| M16  | 1 35 22 | 21°57'24        | 19°35                   | 24°30          | 22°54          | 5°38           | 5°50          | 26°24          | 0°48          | 10°25          | 22°39          | 28°47           | 27°13          | 29°48         | 1°21         | M16          |
| T 17 | 1 39 18 | 22°56'56        | 1 <b>II</b> 30          | 26°10          | 24° 8          | 6°21           | 5°45          | 26°23          | 0°50          | 10°25          | 22°38          | 28°37           | 27° 9          | 29°54         | 1°22         | T 17         |
| W18  | 1 43 15 | 23°56'30        | 13°31                   | 27°50          | 25°22          | 7° 4           | 5°41          | 26°21          | 0°52          | 10°25          | 22°38          | 28°28           | 27° 6          | 08 1          | 1°22         | W18          |
| T 19 | 1 47 11 | 24°56'06        | 25°40                   | 29°28          | 26°35          | 7°47           | 5°37          | 26°20          | 0°54          | 10°25          | 22°37          | 28°22           | 27° 3          | 0° 8          | 1°23         | T 19         |
| F 20 | 1 51 8  | 25°55'45        | 895 0                   | 1M 6           | 27°49          | 8°30           | 5°32          | 26°19          | 0°56          | 10°24          | 22°37          | 28°18           | 27° 0          | 0°15          | 1°23         | F 20         |
| S 21 | 1 55 4  | 26°55'25        | 20°36                   | 2°44           | 29° 3          | 9°13           | 5°27          | 26°18          | 0°58          | 10°24          | 22°36          | 28°16           | 26°57          | 0°21          | 1°24         | S 21         |
| S 22 | 1 59 1  | 27°55'08        | 3⋒30                    | 4°20           | 0 <b>ჲ</b> 17  | 9°56           | 5°22          | 26°17          | 1° 0          | 10°24          | 22°36          | 28°D16          | 26°53          | 0°28          | 1°25         | S 22         |
| M23  | 2 2 57  | 28°54'54        | 16°49                   | 5°57           | 1°31           | 10°39          | 5°17          | 26°16          | 1° 2          | 10°24          | 22°35          | 28°17           | 26°50          | 0°35          | 1°26         | M23          |
| T 24 | 2 6 54  | 29°54'41        | 0 <b>m</b> 33           | 7°32           | 2°45           | 11°23          | 5°12          | 26°15          | 1° 4          | 10°23          | 22°34          | 28°R17          | 26°47          | 0°41          | 1°27         | T 24         |
| W25  | 2 10 50 | 0ML54'31        | 14°46                   | 9° 7           | 3°59           | 12° 6          | 5° 6          | 26°14          | 1° 6          | 10°23          | 22°34          | 28°16           | 26°44          | 0°48          | 1°28         | W25          |
| T 26 | 2 14 47 | 1°54'23         | 29°26                   | 10°42          | 5°13           | 12°50          | 5° 1          | 26°14          | 1° 8          | 10°23          | 22°33          | 28°12           | 26°41          | 0°55          | 1°29         | T 26         |
| F 27 | 2 18 44 | 2°54'17         | 14 <b>Ω</b> 28<br>29°45 | 12°16<br>13°49 | 6°27<br>7°42   | 13°33<br>14°17 | 4°55<br>4°49  | 26°13<br>26°13 | 1°11<br>1°13  | 10°22<br>10°22 | 22°32          | 28° 6<br>27°58  | 26°38<br>26°34 | 1° 2<br>1° 8  | 1°30<br>1°31 | F 27<br>S 28 |
| S 28 | 2 22 40 | 3°54'13         |                         |                |                |                |               |                |               |                | 22°32          |                 |                | -             |              |              |
| S 29 | 2 26 37 | 4°54'11         | 15 <b>M</b> 5           | 15°23          | 8°56           | 15° 1          | 4°43          | 26°12          | 1°15          | 10°21          | 22°31          | 27°48           | 26°31          | 1°15          | 1°33         | S 29         |
| M30  | 2 30 33 | 5°54'11         | 0 <b>×</b> 17           | 16°55          | 10°10          | 15°45          | 4°37          | 26°12          | 1°18          | 10°21          | 22°30          | 27°38           | 26°28          | 1°22          | 1°34         | M30          |
| T 31 | 2 34 30 | 6M54'13         | 15 <b>₹</b> 10          | 18 <b>M</b> 27 | 11 <b>≏</b> 24 | 16 <b>ට</b> 29 | 4 <b>Ⅱ</b> 30 | 26°D12         | 1る20          | 10920          | 22∏29          | 27 <b>\O</b> 28 | 26 <b>Ω</b> 25 | 1828          | 1≈35         | T 31         |

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| Day  | Sid.t   | 0                | D              | ğ              | φ               | ď              | 4             | ħ     | )∤(            | ¥             | В               | n              | v              | Ç             | Q<br>K | Day  |
|------|---------|------------------|----------------|----------------|-----------------|----------------|---------------|-------|----------------|---------------|-----------------|----------------|----------------|---------------|--------|------|
| W 1  | 2 38 26 | 7 <b>M</b> 54'17 | 29 <b>×</b> 38 | 19 <b>M</b> 59 | 12 <b>≏</b> 39  | 17 <b>る</b> 13 | 4°R24         | 26≈12 | 1 <b>る</b> 23  | 10°R20        | 22°R29          | 27°R21         | 26€22          | 1835          | 1≈37   | W 1  |
| T 2  | 2 42 23 | 8°54'22          | 13 <b>る</b> 36 | 21°30          | 13°53           | 17°57          | 4 <b>Ⅱ</b> 17 | 26°12 | 1°25           | 109519        | 22 <b>II</b> 28 | 27 <b>Ω</b> 16 | 26°19          | 1°42          | 1°38   | T 2  |
| F 3  | 2 46 19 | 9°54'28          | 27° 5          | 23° 1          | 15° 8           | 18°41          | 4°10          | 26°12 | 1°28           | 10°19         | 22°27           | 27°13          | 26°15          | 1°49          | 1°40   | F 3  |
| S 4  | 2 50 16 | 10°54'37         | 10≈ 6          | 24°31          | 16°22           | 19°26          | 4° 4          | 26°13 | 1°30           | 10°18         | 22°26           | 27°D13         | 26°12          | 1°55          | 1°42   | S 4  |
| S 5  | 2 54 13 | 11°54'46         | 22°44          | 26° 1          | 17°37           | 20°10          | 3°57          | 26°13 | 1°33           | 10°17         | 22°25           | 27°R13         | 26° 9          | 2° 2          | 1°44   | S 5  |
| M 6  | 2 58 9  | 12°54'58         | 5 <b>)</b> 3   | 27°30          | 18°51           | 20°55          | 3°49          | 26°14 | 1°35           | 10°16         | 22°25           | 27°13          | 26° 6          | 2° 9          | 1°45   | M 6  |
| T 7  | 3 2 6   | 13°55'10         | 17° 9          | 28°59          | 20° 6           | 21°39          | 3°42          | 26°14 | 1°38           | 10°16         | 22°24           | 27°11          | 26° 3          | 2°15          | 1°47   | T 7  |
| W 8  | 3 6 2   | 14°55'24         | 29° 7          | 0 <b>∡</b> 28  | 21°21           | 22°24          | 3°35          | 26°15 | 1°41           | 10°15         | 22°23           | 27° 7          | 25°59          | 2°22          | 1°49   | W 8  |
| T 9  | 3 9 59  | 15°55'40         | 10 <b>Y</b> 59 | 1°56           | 22°35           | 23° 8          | 3°27          | 26°16 | 1°44           | 10°14         | 22°22           | 27° 0          | 25°56          | 2°29          | 1°51   | T 9  |
| F 10 | 3 13 55 | 16°55'58         | 22°50          | 3°23           | 23°50           | 23°53          | 3°20          | 26°17 | 1°46           | 10°13         | 22°21           | 26°50          | 25°53          | 2°35          | 1°53   | F 10 |
| S 11 | 3 17 52 | 17°56'17         | 4841           | 4°50           | 25° 5           | 24°38          | 3°12          | 26°18 | 1°49           | 10°12         | 22°20           | 26°38          | 25°50          | 2°42          | 1°56   | S 11 |
| S 12 | 3 21 48 | 18°56'37         | 16°35          | 6°16           | 26°20           | 25°22          | 3° 5          | 26°19 | 1°52           | 10°11         | 22°19           | 26°24          | 25°47          | 2°49          | 1°58   | S 12 |
| M13  | 3 25 45 | 19°57'00         | 28°33          | 7°42           | 27°34           | 26° 7          | 2°57          | 26°20 | 1°55           | 10°10         | 22°18           | 26° 9          | 25°44          | 2°56          | 2° 0   | M13  |
| T 14 | 3 29 42 | 20°57'24         | 10 <b>Ⅲ</b> 36 | 9° 7           | 28°49           | 26°52          | 2°49          | 26°22 | 1°58           | 10°10         | 22°17           | 25°55          | 25°40          | 3° 2          | 2° 2   | T 14 |
| W15  | 3 33 38 | 21°57'50         | 22°44          | 10°31          | 0 <b>M</b> 4    | 27°37          | 2°41          | 26°23 | 2° 1           | 10° 9         | 22°16           | 25°42          | 25°37          | 3° 9          | 2° 5   | W15  |
| T 16 | 3 37 35 | 22°58'17         | 599 1          | 11°55          | 1°19            | 28°22          | 2°33          | 26°25 | 2° 4           | 10° 8         | 22°15           | 25°32          | 25°34          | 3°16          | 2° 7   | T 16 |
| F 17 | 3 41 31 | 23°58'46         | 17°27          | 13°17          | 2°34            | 29° 7          | 2°25          | 26°26 | 2° 7           | 10° 6         | 22°14           | 25°25          | 25°31          | 3°22          | 2°10   | F 17 |
| S 18 | 3 45 28 | 24°59'18         | 0 <b>Ω</b> 6   | 14°39          | 3°49            | 29°52          | 2°17          | 26°28 | 2°10           | 10° 5         | 22°13           | 25°22          | 25°28          | 3°29          | 2°12   | S 18 |
| S 19 | 3 49 24 | 25°59'50         | 12°59          | 15°59          | 5° 4            | 0≈37           | 2° 9          | 26°30 | 2°13           | 10° 4         | 22°12           | 25°20          | 25°25          | 3°36          | 2°15   | S 19 |
| M20  | 3 53 21 | 27° 0'25         | 26°12          | 17°19          | 6°19            | 1°22           | 2° 1          | 26°32 | 2°16           | 10° 3         | 22°11           | 25°20          | 25°21          | 3°43          | 2°18   | M20  |
| T 21 | 3 57 17 | 28° 1'01         | 9 <b>₯</b> 47  | 18°36          | 7°34            | 2° 8           | 1°53          | 26°34 | 2°19           | 10° 2         | 22°10           | 25°20          | 25°18          | 3°49          | 2°21   | T 21 |
| W22  | 4 1 14  | 29° 1'40         | 23°46          | 19°52          | 8°49            | 2°53           | 1°45          | 26°36 | 2°22           | 10° 1         | 22° 9           | 25°18          | 25°15          | 3°56          | 2°23   | W22  |
| T 23 | 4 5 11  | 0 <b>₹</b> 2'19  | 8₽10           | 21° 7          | 10° 4           | 3°38           | 1°36          | 26°39 | 2°25           | 10° 0         | 22° 8           | 25°14          | 25°12          | 4° 3          | 2°26   | T 23 |
| F 24 | 4 9 7   | 1° 3'01          | 22°56          | 22°19          | 11°19           | 4°23           | 1°28          | 26°41 | 2°29           | 9°58          | 22° 7           | 25° 8          | 25° 9          | 4° 9          | 2°29   | F 24 |
| S 25 | 4 13 4  | 2° 3'44          | 7 <b>M</b> 59  | 23°28          | 12°34           | 5° 9           | 1°20          | 26°43 | 2°32           | 9°57          | 22° 6           | 24°58          | 25° 5          | 4°16          | 2°32   | S 25 |
| S 26 | 4 17 0  | 3° 4'29          | 23°11          | 24°35          | 13°50           | 5°54           | 1°12          | 26°46 | 2°35           | 9°56          | 22° 5           | 24°47          | 25° 2          | 4°23          | 2°35   | S 26 |
| M27  | 4 20 57 | 4° 5'15          | 8 <b>∡</b> 19  | 25°39          | 15° 5           | 6°40           | 1° 4          | 26°49 | 2°38           | 9°55          | 22° 4           | 24°35          | 24°59          | 4°30          | 2°38   | M27  |
| T 28 | 4 24 53 | 5° 6'02          | 23°15          | 26°39          | 16°20           | 7°25           | 0°56          | 26°51 | 2°42           | 9°53          | 22° 2           | 24°24          | 24°56          | 4°36          | 2°42   | T 28 |
| W29  | 4 28 50 | 6° 6'51          | 7 <b>조</b> 48  | 27°35          | 17°35           | 8°11           | 0°47          | 26°54 | 2°45           | 9°52          | 22° 1           | 24°15          | 24°53          | 4°43          | 2°45   | W29  |
| T 30 | 4 32 46 | 7 <b>.₹</b> 7'40 | 21 <b>궁</b> 54 | 28 <b>₹</b> 27 | 18 <b>M</b> .50 | 8≈56           | 0耳39          | 26≈57 | 2 <b>ප්</b> 48 | 9 <b>9</b> 51 | 22 <b>II</b> 0  | 24 <b>Ω</b> 9  | 24 <b>Ω</b> 50 | 4 <b>8</b> 50 | 2≈48   | T 30 |

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| Day         | Sid.t              | 0                    | D                       | ğ                           | φ                 | ď              | 4              | ħ              | )∤(           | ¥             | В               | V               | ß              | Ç             | o<br>k       | Day         |
|-------------|--------------------|----------------------|-------------------------|-----------------------------|-------------------|----------------|----------------|----------------|---------------|---------------|-----------------|-----------------|----------------|---------------|--------------|-------------|
| F 1         | 4 36 43            | 8 <b>≯</b> 8'31      | 5≈31                    | 29 <b>×</b> 13              | 20 <b>M</b> 6     | 9≈42           | 0°R31          | 27≈ 0          | 2 <b>る</b> 52 | 9°R49         | 21°R59          | 24°R 6          | 24 <b>Ω</b> 46 | 4 <b>8</b> 56 | 2≈51         | F 1         |
| S 2         | 4 40 40            | 9° 9'22              | 18°38                   | 29°53                       | 21°21             | 10°28          | 0П23           | 27° 3          | 2°55          | 9 <b>9</b> 48 | 21 <b>II</b> 58 | 24°D 4          | 24°43          | 5° 3          | 2°55         | S 2         |
| S 3         | 4 44 36            | 10°10'14             | 1 <b>)</b> €20          | 0 <b>る</b> 26               | 22°36             | 11°13          | 0°15           | 27° 7          | 2°58          | 9°46          | 21°57           | 24 <b>Q</b> 4   | 24°40          | 5°10          | 2°58         | S 3         |
| M 4         | 4 48 33            | 11°11'07             | 13°42                   | 0°52                        | 23°51             | 11°59          | 0° 7           | 27°10          | 3° 2          | 9°45          | 21°56           | 24°R 4          | 24°37          | 5°17          | 3° 2         | M 4         |
| T 5         | 4 52 29            | 12°12'01             | 25°48                   | 1° 9                        | 25° 7             | 12°45          | 29859          | 27°13          | 3° 5          | 9°44          | 21°55           | 24° 4           | 24°34          | 5°23          | 3° 5         | T 5         |
| W 6<br>T 7  | 4 56 26            | 13°12'55<br>14°13'51 | 7 <b>Ƴ</b> 45<br>19°36  | 1°R17<br>1°15               | 26°22<br>27°37    | 13°30<br>14°16 | 29°52<br>29°44 | 27°17<br>27°20 | 3° 9<br>3°12  | 9°42<br>9°41  | 21°53<br>21°52  | 24° 1<br>23°55  | 24°30<br>24°27 | 5°30<br>5°37  | 3° 9<br>3°12 | W 6<br>T 7  |
| F 8         | 5 0 22<br>5 4 19   | 14 13 31<br>15°14'47 | 18 36<br>18 26          | 1° 2                        | 28°52             | 14 10<br>15° 2 | 29°36          | 27°24          | 3°15          | 9°39          | 21°51           | 23°47           | 24°24          | 5°43          | 3°16         | F 8         |
| S 9         | 5 8 15             | 16°15'44             | 13°19                   | 0°37                        | 0x <sup>7</sup> 8 | 15°48          | 29°29          | 27°28          | 3°19          | 9°38          | 21°50           | 23°36           | 24°21          | 5°50          | 3°20         | S 9         |
| S 10        | 5 12 12            | 17°16'41             | 25°17                   | 0° 2                        | 1°23              | 16°33          | 29°21          | 27°32          | 3°22          | 9°36          | 21°49           | 23°24           | 24°18          | 5°57          | 3°23         | S 10        |
| M11         | 5 16 9             | 18°17'40             | 7 <b>Ⅲ</b> 22           | 29 <b>x</b> <sup>7</sup> 15 | 2°38              | 17°19          | 29°14          | 27°36          | 3°26          | 9°34          | 21°48           | 23°11           | 24°15          | 6° 4          | 3°27         | M11         |
| T 12        | 5 20 5             | 19°18'39             | 19°35                   | 28°17                       | 3°54              | 18° 5          | 29° 7          | 27°40          | 3°29          | 9°33          | 21°46           | 22°58           | 24°11          | 6°10          | 3°31         | T 12        |
| W13         | 5 24 2             | 20°19'39             | 1957                    | 27°10                       | 5° 9              | 18°51          | 29° 0          | 27°44          | 3°33          | 9°31          | 21°45           | 22°47           | 24° 8          | 6°17          | 3°35         | W13         |
| T 14        | 5 27 58            | 21°20'40             | 14°28                   | 25°56                       | 6°25              | 19°37          | 28°53          | 27°48          | 3°37          | 9°30          | 21°44           | 22°39           | 24° 5          | 6°24          | 3°39         | T 14        |
| F 15        | 5 31 55            | 22°21'41             | 27°10                   | 24°36                       | 7°40              | 20°23          | 28°46          | 27°52          | 3°40          | 9°28          | 21°43           | 22°33           | 24° 2          | 6°30          | 3°43         | F 15        |
| S 16        | 5 35 51            | 23°22'44             | 10 <b>0</b> 2           | 23°13                       | 8°55              | 21° 8          | 28°39          | 27°57          | 3°44          | 9°27          | 21°42           | 22°30           | 23°59          | 6°37          | 3°47         | S 16        |
| S 17        | 5 39 48            | 24°23'47             | 23° 6                   | 21°50                       | 10°11             | 21°54          | 28°32          | 28° 1          | 3°47          | 9°25          | 21°41           | 22°D29          | 23°56          | 6°44          | 3°51         | S 17        |
| M18         | 5 43 45            | 25°24'52             | 6 Mp 25                 | 20°31                       | 11°26             | 22°40          | 28°26          | 28° 5          | 3°51          | 9°23          | 21°39           | 22°30           | 23°52          | 6°51          | 3°55         | M18         |
| T 19        | 5 47 41            | 26°25'57<br>27°27'02 | 19°59                   | 19°16<br>18° 9              | 12°41             | 23°26          | 28°20<br>28°13 | 28°10          | 3°54<br>3°58  | 9°22<br>9°20  | 21°38<br>21°37  | 22°R31<br>22°31 | 23°49          | 6°57<br>7° 4  | 3°59<br>4° 3 | T 19<br>W20 |
| W20<br>T 21 | 5 51 38<br>5 55 34 | 28°28'09             | 3 <b>≙</b> 50<br>17°59  | 18° 9                       | 13°57<br>15°12    | 24°12<br>24°58 | 28° 7          | 28°15<br>28°19 | 4° 2          | 9°20          | 21°36           | 22°29           | 23°46<br>23°43 | 7°11          | 4° 7         | T 21        |
| F 22        | 5 59 31            | 29°29'17             | 2M25                    | 16°23                       | 16°28             | 25°44          | 28° 1          | 28°24          | 4° 5          | 9°17          | 21°35           | 22°25           | 23°40          | 7°18          | 4°12         | F 22        |
| S 23        | 6 3 27             | 0 <b>පි</b> 30'25    | 17° 4                   | 15°46                       | 17°43             | 26°30          | 27°55          | 28°29          | 4° 9          | 9°15          | 21°34           | 22°19           | 23°36          | 7°24          | 4°16         | S 23        |
| S 24        | 6 7 24             | 1°31'34              | 1 <b>~</b> 751          | 15°20                       | 18°59             | 27°16          | 27°50          | 28°34          | 4°12          | 9°13          | 21°32           | 22°11           | 23°33          | 7°31          | 4°20         | S 24        |
| M25         | 6 11 20            | 2°32'43              | 16°38                   | 15° 4                       | 20°14             | 28° 2          | 27°44          | 28°39          | 4°16          | 9°12          | 21°31           | 22° 2           | 23°30          | 7°38          | 4°24         | M25         |
| T 26        | 6 15 17            | 3°33'53              | 1 <b>る</b> 17           | 14°D59                      | 21°29             | 28°48          | 27°39          | 28°44          | 4°20          | 9°10          | 21°30           | 21°55           | 23°27          | 7°44          | 4°29         | T 26        |
| W27         | 6 19 14            | 4°35'04              | 15°40                   | 15° 3                       | 22°45             | 29°34          | 27°34          | 28°50          | 4°23          | 9° 8          | 21°29           | 21°48           | 23°24          | 7°51          | 4°33         | W27         |
| T 28        | 6 23 10            | 5°36'14              | 29°42                   | 15°16                       | 24° 0             | 0 <b></b> ₩19  | 27°29          | 28°55          | 4°27          | 9° 7          | 21°28           | 21°44           | 23°21          | 7°58          | 4°38         | T 28        |
| F 29        | 6 27 7             | 6°37'24              | 13 <b>≈</b> 19<br>26°30 | 15°36<br>16° 5              | 25°16             | 1° 5           | 27°24          | 29° 0<br>29° 5 | 4°30<br>4°34  | 9° 5<br>9° 3  | 21°27<br>21°26  | 21°42           | 23°17<br>23°14 | 8° 5<br>8°11  | 4°42         | F 29        |
| S 30        | 6 31 3             | 7°38'35              |                         |                             | 26°31             | 1°51           | 27°20          |                | _             |               | -               | 21°D41          |                |               | 4°47         | S 30        |
| S 31        | 6 35 0             | 8 <b>궁</b> 39'45     | 9 <b>米</b> 17           | 16 <b>₹</b> 39              | 27 <b>,7</b> 47   | 2 <b>)</b> 37  | 27 <b>8</b> 15 | 29≈11          | 4 <b>る</b> 38 | 9 <b>9</b> 1  | 21 <b>II</b> 24 | 21 <b>A</b> 42  | 23 <b>Ω</b> 11 | 8 <b>8</b> 18 | 4≈51         | S 31        |

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| Day  | Sid.t   | 0                 | D               | ğ              | φ             | ♂              | 4              | ħ             | )Å(           | #     | Р               | ß              | v               | Ç              | Q<br>K        | Day  |
|------|---------|-------------------|-----------------|----------------|---------------|----------------|----------------|---------------|---------------|-------|-----------------|----------------|-----------------|----------------|---------------|------|
| M 1  | 6 38 56 | 9 <b>ප්</b> 40'55 | 21 <b>)</b> (43 | 17 <b>₹</b> 20 | 29 <b>×</b> 2 | 3 <b>)</b> 23  | 27°R11         | 29≈16         | 4 <b>궁</b> 41 | 9°R 0 | 21°R23          | 21 N 44        | 23 <b>N</b> 8   | 8 <b>8</b> 25  | 4≈56          | M 1  |
| T 2  | 6 42 53 | 10°42'05          | 3 <b>Υ</b> 54   | 18° 6          | 0 <b>궁</b> 18 | 4° 9           | 27 <b>8</b> 7  | 29°22         | 4°45          | 8958  | 21 <b>II</b> 22 | 21°45          | 23° 5           | 8°31           | 5° 0          | T 2  |
| W 3  | 6 46 49 | 11°43'14          | 15°52           | 18°56          | 1°33          | 4°55           | 27° 3          | 29°28         | 4°48          | 8°56  | 21°21           | 21°R45         | 23° 2           | 8°38           | 5° 5          | W 3  |
| T 4  | 6 50 46 | 12°44'24          | 27°45           | 19°51          | 2°49          | 5°41           | 26°59          | 29°33         | 4°52          | 8°55  | 21°20           | 21°44          | 22°58           | 8°45           | 5° 9          | T 4  |
| F 5  | 6 54 43 | 13°45'33          | 9 <b>8</b> 36   | 20°49          | 4° 4          | 6°27           | 26°56          | 29°39         | 4°56          | 8°53  | 21°19           | 21°41          | 22°55           | 8°52           | 5°14          | F 5  |
| S 6  | 6 58 39 | 14°46'42          | 21°31           | 21°51          | 5°19          | 7°13           | 26°53          | 29°45         | 4°59          | 8°51  | 21°18           | 21°36          | 22°52           | 8°58           | 5°18          | S 6  |
| S 7  | 7 2 36  | 15°47'50          | 3Д32            | 22°56          | 6°35          | 7°59           | 26°50          | 29°51         | 5° 3          | 8°50  | 21°17           | 21°30          | 22°49           | 9° 5           | 5°23          | S 7  |
| M 8  | 7 6 32  | 16°48'58          | 15°43           | 24° 3          | 7°50          | 8°44           | 26°47          | 29°57         | 5° 6          | 8°48  | 21°16           | 21°23          | 22°46           | 9°12           | 5°28          | M 8  |
| T 9  | 7 10 29 | 17°50'06          | 28° 6           | 25°13          | 9° 6          | 9°30           | 26°44          | 0 <b>∺</b> 3  | 5°10          | 8°46  | 21°15           | 21°17          | 22°42           | 9°18           | 5°32          | T 9  |
| W10  | 7 14 25 | 18°51'13          | 109543          | 26°24          | 10°21         | 10°16          | 26°42          | 0° 9          | 5°13          | 8°45  | 21°14           | 21°11          | 22°39           | 9°25           | 5°37          | W10  |
| T 11 | 7 18 22 | 19°52'20          | 23°32           | 27°38          | 11°37         | 11° 2          | 26°39          | 0°15          | 5°17          | 8°43  | 21°13           | 21° 7          | 22°36           | 9°32           | 5°42          | T 11 |
| F 12 | 7 22 18 | 20°53'27          | 6 <b>Ω</b> 35   | 28°53          | 12°52         | 11°48          | 26°37          | 0°21          | 5°20          | 8°41  | 21°12           | 21° 5          | 22°33           | 9°39           | 5°47          | F 12 |
| S 13 | 7 26 15 | 21°54'33          | 19°50           | 0 <b>궁</b> 10  | 14° 7         | 12°34          | 26°35          | 0°27          | 5°24          | 8°40  | 21°11           | 21°D 4         | 22°30           | 9°45           | 5°51          | S 13 |
| S 14 | 7 30 12 | 22°55'40          | 3 <b>m</b> 16   | 1°28           | 15°23         | 13°19          | 26°34          | 0°34          | 5°27          | 8°38  | 21°10           | 21° 4          | 22°27           | 9°52           | 5°56          | S 14 |
| M15  | 7 34 8  | 23°56'45          | 16°54           | 2°48           | 16°38         | 14° 5          | 26°32          | 0°40          | 5°31          | 8°36  | 21° 9           | 21° 6          | 22°23           | 9°59           | 6° 1          | M15  |
| T 16 | 7 38 5  | 24°57'51          | 0 <b>≏</b> 42   | 4° 8           | 17°54         | 14°51          | 26°31          | 0°46          | 5°34          | 8°35  | 21° 8           | 21° 7          | 22°20           | 10° 6          | 6° 6          | T 16 |
| W17  | 7 42 1  | 25°58'56          | 14°39           | 5°30           | 19° 9         | 15°36          | 26°30          | 0°53          | 5°38          | 8°33  | 21° 7           | 21° 8          | 22°17           | 10°12          | 6°10          | W17  |
| T 18 | 7 45 58 | 27° 0'01          | 28°45           | 6°53           | 20°24         | 16°22          | 26°29          | 0°59          | 5°41          | 8°32  | 21° 6           | 21°R 9         | 22°14           | 10°19          | 6°15          | T 18 |
| F 19 | 7 49 54 | 28° 1'06          | 12 <b>M</b> 58  | 8°17           | 21°40         | 17° 8          | 26°28          | 1° 6          | 5°45          | 8°30  | 21° 5           | 21° 8          | 22°11           | 10°26          | 6°20          | F 19 |
| S 20 | 7 53 51 | 29° 2'11          | 27°15           | 9°42           | 22°55         | 17°53          | 26°28          | 1°12          | 5°48          | 8°28  | 21° 4           | 21° 6          | 22° 8           | 10°32          | 6°25          | S 20 |
| S 21 | 7 57 47 | 0≈ 3'15           | 11 <b>~</b> 35  | 11° 7          | 24°11         | 18°39          | 26°28          | 1°19          | 5°51          | 8°27  | 21° 3           | 21° 4          | 22° 4           | 10°39          | 6°30          | S 21 |
| M22  | 8 1 44  | 1° 4'19           | 2 <u>5</u> °52  | 12°34          | 25°26         | 19°25          | 26°D28         | 1°25          | 5°55          | 8°25  | 21° 2           | 21° 1          | 22° 1           | 10°46          | 6°34          | M22  |
| T 23 | 8 5 41  | 2° 5'23           | 10중 2           | 14° 1          | 26°41         | 20°10          | 26°28          | 1°32          | 5°58          | 8°24  | 21° 1           | 20°58          | 21°58           | 10°53          | 6°39          | T 23 |
| W24  | 8 9 37  | 3° 6'25           | 24° 0           | 15°29          | 27°57         | 20°56          | 26°28          | 1°39          | 6° 1          | 8°22  | 21° 1           | 20°56          | 21°55           | 10°59          | 6°44          | W24  |
| T 25 | 8 13 34 | 4° 7'27           | 7 <b>≈</b> 43   | 16°57          | 29°12         | 21°41          | 26°29          | 1°45          | 6° 5          | 8°21  | 21° 0           | 20°54          | 21°52           | 11° 6          | 6°49          | T 25 |
| F 26 | 8 17 30 | 5° 8'28           | 21° 8           | 18°27          | 0≈28          | 22°27          | 26°30          | 1°52          | 6° 8          | 8°19  | 20°59           | 20°D54         | 21°48           | 11°13          | 6°54          | F 26 |
| S 27 | 8 21 27 | 6° 9'28           | 4 <b>∺</b> 13   | 19°57          | 1°43          | 23°12          | 26°31          | 1°59          | 6°11          | 8°18  | 20°58           | 20°54          | 21°45           | 11°19          | 6°59          | S 27 |
| S 28 | 8 25 23 | 7°10'27           | 16°58           | 21°28          | 2°58          | 23°58          | 26°32          | 2° 6          | 6°15          | 8°16  | 20°57           | 20°55          | 21°42           | 11°26          | 7° 3          | S 28 |
| M29  | 8 29 20 | 8°11'25           | 29°26           | 22°59          | 4°14          | 24°43          | 26°33          | 2°13          | 6°18          | 8°15  | 20°57           | 20°57          | 21°39           | 11°33          | 7° 8          | M29  |
| T 30 | 8 33 16 | 9°12'22           | 11 <b>Υ</b> 39  | 2 <u>4</u> °32 | 5°29          | 25°29          | 26°35          | 2°20          | 6°21          | 8°13  | 20°56           | 20°58          | 21°36           | 11°40          | 7°13          | T 30 |
| W31  | 8 37 13 | 10≈13'17          | 23 <b>Y</b> 40  | 26중 4          | 6≈44          | 26 <b>米</b> 14 | 26 <b>8</b> 37 | 2 <b>∺</b> 27 | 6 <b>る</b> 24 | 8912  | 20耳55           | 20 <b>N</b> 59 | 21 <b>\O</b> 33 | 11 <b>8</b> 46 | 7 <b>≈</b> 18 | W31  |

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| Day  | Sid.t    | 0                 | )              | φ                | φ                | ð              | 4              | ħ              | )ұ(           | ¥            | Р              | r              | Ω              | Ç              | ¥0   | Day  |
|------|----------|-------------------|----------------|------------------|------------------|----------------|----------------|----------------|---------------|--------------|----------------|----------------|----------------|----------------|------|------|
| T 1  | 8 41 10  | 11≈14'11          | 5 <b>8</b> 35  | 27 <b>云</b> 38   | 8≈ 0             | 26 <b>米</b> 59 | 26 <b>8</b> 39 | 2 <b>)</b> €34 | 6 <b>ප</b> 27 | 8°R11        | 20°R55         | 20 <b>Ω</b> 59 | 21\$\Omega29\$ | 11853          | 7≈23 | T 1  |
| F 2  | 8 45 6   | 12°15'04          | 17°27          | 29°12            | 9°15             | 27°45          | 26°41          | 2°41           | 6°30          | 8 <b>9</b> 9 | 20耳54          | 20°R59         | 21°26          | 12° 0          | 7°28 | F 2  |
| S 3  | 8 49 3   | 13°15'55          | 29°22          | 0≈47             | 10°30            | 28°30          | 26°43          | 2°48           | 6°33          | 8° 8         | 20°53          | 20°59          | 21°23          | 12° 6          | 7°32 | S 3  |
| S 4  | 8 52 59  | 14°16'46          | 11 <b>Ⅱ</b> 24 | 2°23             | 11°46            | 29°15          | 26°46          | 2°55           | 6°36          | 8° 7         | 20°53          | 20°58          | 21°20          | 12°13          | 7°37 | S 4  |
| M 5  | 8 56 56  | 15°17'34          | 23°37          | 4° 0             | 13° 1            | 0 <b>Υ</b> 0   | 26°49          | 3° 2           | 6°39          | 8° 5         | 20°52          | 20°57          | 21°17          | 12°20          | 7°42 | M 5  |
| T 6  | 9 0 52   | 16°18'22          | 6 <b>9</b> 5   | 5°37             | 14°16            | 0°46           | 26°52          | 3° 9           | 6°42          | 8° 4         | 20°51          | 20°57          | 21°14          | 12°27          | 7°47 | T 6  |
| W 7  | 9 4 49   | 17°19'08          | 18°50          | 7°15             | 15°31            | 1°31           | 26°55          | 3°16           | 6°45          | 8° 3         | 20°51          | 20°56          | 21°10          | 12°33          | 7°52 | W 7  |
| T 8  | 9 8 45   | 18°19'52          | 1 <b>Ω</b> 54  | 8°53             | 16°47            | 2°16           | 26°58          | 3°23           | 6°48          | 8° 2         | 20°50          | 20°56          | 21° 7          | 12°40          | 7°56 | T 8  |
| F 9  | 9 12 42  | 19°20'35          | 15°17          | 10°33            | 18° 2            | 3° 1           | 27° 2          | 3°30           | 6°51          | 8° 0         | 20°50          | 20°D56         | 21° 4          | 12°47          | 8° 1 | F 9  |
| S 10 | 9 16 39  | 20°21'17          | 28°57          | 12°13            | 19°17            | 3°46           | 27° 6          | 3°37           | 6°54          | 7°59         | 20°49          | 20°56          | 21° 1          | 12°54          | 8° 6 | S 10 |
| S 11 | 9 20 35  | 21°21'57          | 12 <b>m</b> 52 | 13°55            | 20°32            | 4°31           | 27°10          | 3°44           | 6°57          | 7°58         | 20°49          | 20°R56         | 20°58          | 13° 0          | 8°11 | S 11 |
| M12  | 9 24 32  | 22°22'36          | 26°58          | 15°37            | 21°48            | 5°16           | 27°14          | 3°52           | 7° 0          | 7°57         | 20°48          | 20°56          | 20°54          | 13° 7          | 8°15 | M12  |
| T 13 | 9 28 28  | 23°23'14          | 11 <b>≏</b> 12 | 17°19            | 23° 3            | 6° 1           | 27°18          | 3°59           | 7° 3          | 7°56         | 20°48          | 20°56          | 20°51          | 13°14          | 8°20 | T 13 |
| W14  | 9 32 25  | 24°23'51          | 25°30          | 19° 3            | 24°18            | 6°46           | 27°23          | 4° 6           | 7° 5          | 7°55         | 20°47          | 20°55          | 20°48          | 13°20          | 8°25 | W14  |
| T 15 | 9 36 21  | 25°24'27          | 9 <b>M</b> 47  | 20°48            | 25°33            | 7°31           | 27°27          | 4°13           | 7° 8          | 7°54         | 20°47          | 20°55          | 20°45          | 13°27          | 8°29 | T 15 |
| F 16 | 9 40 18  | 26°25'01          | 24° 1          | 22°33            | 26°48            | 8°16           | 27°32          | 4°21           | 7°11          | 7°53         | 20°46          | 20°D55         | 20°42          | 13°34          | 8°34 | F 16 |
| S 17 | 9 44 14  | 27°25'34          | 8 <b>才</b> 9   | 24°20            | 28° 3            | 9° 0           | 27°37          | 4°28           | 7°13          | 7°52         | 20°46          | 20°55          | 20°39          | 13°41          | 8°39 | S 17 |
| S 18 | 9 48 11  | 28°26'07          | 22°10          | 26° 7            | 29°19            | 9°45           | 27°43          | 4°35           | 7°16          | 7°51         | 20°46          | 20°55          | 20°35          | 13°47          | 8°43 | S 18 |
| M19  | 9 52 8   | 29°26'37          | 6 <b>ට</b> 1   | 27°55            | 0 <b>) €</b> 34  | 10°30          | 27°48          | 4°42           | 7°18          | 7°50         | 20°45          | 20°56          | 20°32          | 13°54          | 8°48 | M19  |
| T 20 | 9 56 4   | 0 <b>)</b> €27'07 | 19°42          | 29°44            | 1°49             | 11°15          | 27°53          | 4°50           | 7°21          | 7°49         | 20°45          | 20°57          | 20°29          | 14° 1          | 8°53 | T 20 |
| W21  | 10 0 1   | 1°27'35           | 3≈12           | 1 <b>) (</b> 34  | 3° 4             | 11°59          | 27°59          | 4°57           | 7°23          | 7°48         | 20°45          | 20°58          | 20°26          | 14° 8          | 8°57 | W21  |
| T 22 | 10 3 57  | 2°28'02           | 16°29          | 3°24             | 4°19             | 12°44          | 28° 5          | 5° 4           | 7°26          | 7°47         | 20°44          | 20°R58         | 20°23          | 14°14          | 9° 2 | T 22 |
| F 23 | 10 7 54  | 3°28'27           | 29°32          | 5°16             | 5°34             | 13°28          | 28°11          | 5°12           | 7°28          | 7°46         | 20°44          | 20°58          | 20°20          | 14°21          | 9° 6 | F 23 |
| S 24 | 10 11 50 | 4°28'50           | 12 <b>米</b> 21 | 7° 8             | 6°49             | 14°13          | 28°17          | 5°19           | 7°31          | 7°46         | 20°44          | 20°57          | 20°16          | 14°28          | 9°11 | S 24 |
| S 25 | 10 15 47 | 5°29'12           | 24°57          | 9° 1             | 8° 4             | 14°57          | 28°24          | 5°26           | 7°33          | 7°45         | 20°44          | 20°56          | 20°13          | 14°34          | 9°15 | S 25 |
| M26  | 10 19 43 | 6°29'31           | 7 <b>Υ</b> 19  | 10°55            | 9°19             | 15°42          | 28°30          | 5°34           | 7°35          | 7°44         | 20°43          | 20°53          | 20°10          | 14°41          | 9°20 | M26  |
| T 27 | 10 23 40 | 7°29'49           | 19°30          | 12°49            | 10°34            | 16°26          | 28°37          | 5°41           | 7°37          | 7°43         | 20°43          | 20°51          | 20° 7          | 14°48          | 9°24 | T 27 |
| W28  | 10 27 37 | 8 <b>∺</b> 30'05  | 1831           | 14 <b>) (</b> 43 | 11 <b>) (</b> 49 | 17 <b>Y</b> 11 | 28 <b>8</b> 44 | 5 <b>)</b> 48  | 7 <b>ප</b> 40 | 79543        | 20 <b>Ⅱ</b> 43 | 20 <b>Ω</b> 48 | 20⋒ 4          | 14 <b>8</b> 55 | 9≈28 | W28  |

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| Day  | Sid.t    | 0                | D              | ğ              | φ              | ď              | 4              | ħ             | ) <b>f</b> (  | ¥              | В              | ß              | v              | Ç              | , k   | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|-------|------|
| T 1  | 10 31 33 | 9 <b>∺</b> 30'19 | 13825          | 16 <b>∺</b> 38 | 13 <b>)</b> 4  | 17 <b>Y</b> 55 | 28 <b>8</b> 51 | 5 <b>¥</b> 56 | 7 <b>云</b> 42 | 7°R42          | 20°R43         | 20°R46         | 20 <b>Ω</b> 0  | 158 1          | 9≈33  | T 1  |
| F 2  | 10 35 30 | 10°30'31         | 25°18          | 18°33          | 14°19          | 18°39          | 28°58          | 6° 3          | 7°44          | 7 <b>95</b> 42 | 20 <b>Ⅱ</b> 43 | 20 <b>Ω</b> 44 | 19°57          | 15° 8          | 9°37  | F 2  |
| S 3  | 10 39 26 | 11°30'41         | 7 <b>Ⅱ</b> 11  | 20°28          | 15°34          | 19°24          | 29° 5          | 6°10          | 7°46          | 7°41           | 20°43          | 20°D43         | 19°54          | 15°15          | 9°41  | S 3  |
| S 4  | 10 43 23 | 12°30'49         | 19°11          | 22°22          | 16°49          | 20° 8          | 29°13          | 6°17          | 7°48          | 7°40           | 20°43          | 20°43          | 19°51          | 15°21          | 9°45  | S 4  |
| M 5  | 10 47 19 | 13°30'55         | 19523          | 24°16          | 18° 4          | 20°52          | 29°21          | 6°25          | 7°50          | 7°40           | 20°43          | 20°44          | 19°48          | 15°28          | 9°50  | M 5  |
| T 6  | 10 51 16 | 14°30'59         | 13°50          | 26° 9          | 19°19          | 21°36          | 29°28          | 6°32          | 7°52          | 7°39           | 20°D43         | 20°46          | 19°45          | 15°35          | 9°54  | T 6  |
| W 7  | 10 55 12 | 15°31'00         | 26°36          | 28° 0          | 20°34          | 22°20          | 29°36          | 6°39          | 7°54          | 7°39           | 20°43          | 20°47          | 19°41          | 15°42          | 9°58  | W 7  |
| T 8  | 10 59 9  | 16°31'00         | 9 <b>Ω</b> 46  | 29°50          | 21°49          | 23° 4          | 29°44          | 6°46          | 7°56          | 7°39           | 20°43          | 20°49          | 19°38          | 15°48          | 10° 2 | T 8  |
| F 9  | 11 3 5   | 17°30'57         | 23°19          | 1 <b>Y</b> 38  | 23° 4          | 23°48          | 29°52          | 6°54          | 7°57          | 7°38           | 20°43          | 20°R49         | 19°35          | 15°55          | 10° 6 | F 9  |
| S 10 | 11 7 2   | 18°30'53         | 7 <b>m</b> )17 | 3°23           | 24°18          | 24°32          | 0耳 1           | 7° 1          | 7°59          | 7°38           | 20°43          | 20°48          | 19°32          | 16° 2          | 10°10 | S 10 |
| S 11 | 11 10 59 | 19°30'46         | 21°36          | 5° 5           | 25°33          | 25°16          | 0° 9           | 7° 8          | 8° 1          | 7°38           | 20°43          | 20°46          | 19°29          | 16° 9          | 10°14 | S 11 |
| M12  | 11 14 55 | 20°30'37         | 6 <b>₽</b> 10  | 6°43           | 26°48          | 26° 0          | 0°18           | 7°15          | 8° 3          | 7°37           | 20°43          | 20°42          | 19°25          | 16°15          | 10°18 | M12  |
| T 13 | 11 18 52 | 21°30'27         | 20°54          | 8°18           | 28° 3          | 26°44          | 0°27           | 7°22          | 8° 4          | 7°37           | 20°43          | 20°38          | 19°22          | 16°22          | 10°22 | T 13 |
| W14  | 11 22 48 | 22°30'15         | 5 <b>M</b> 39  | 9°48           | 29°17          | 27°27          | 0°35           | 7°30          | 8° 6          | 7°37           | 20°43          | 20°33          | 19°19          | 16°29          | 10°26 | W14  |
| T 15 | 11 26 45 | 23°30'01         | 20°19          | 11°12          | 0 <b>Υ</b> 32  | 28°11          | 0°44           | 7°37          | 8° 7          | 7°37           | 20°44          | 20°29          | 19°16          | 16°35          | 10°30 | T 15 |
| F 16 | 11 30 41 | 24°29'45         | 4 <b>₹</b> 48  | 12°31          | 1°47           | 28°55          | 0°53           | 7°44          | 8° 9          | 7°37           | 20°44          | 20°26          | 19°13          | 16°42          | 10°34 | F 16 |
| S 17 | 11 34 38 | 25°29'28         | 19° 1          | 13°44          | 3° 1           | 29°38          | 1° 3           | 7°51          | 8°10          | 7°36           | 20°44          | 20°24          | 19°10          | 16°49          | 10°37 | S 17 |
| S 18 | 11 38 34 | 26°29'09         | 2 <b>ප්</b> 56 | 14°51          | 4°16           | 0 <b>8</b> 22  | 1°12           | 7°58          | 8°12          | 7°36           | 20°44          | 20°D24         | 19° 6          | 16°56          | 10°41 | S 18 |
| M19  | 11 42 31 | 27°28'48         | 16°35          | 15°51          | 5°31           | 1° 6           | 1°21           | 8° 5          | 8°13          | 7°36           | 20°45          | 20°26          | 19° 3          | 17° 2          | 10°45 | M19  |
| T 20 | 11 46 28 | 28°28'26         | 29°56          | 16°43          | 6°45           | 1°49           | 1°31           | 8°12          | 8°14          | 7°D36          | 20°45          | 20°27          | 19° 0          | 17° 9          | 10°49 | T 20 |
| W21  | 11 50 24 | 29°28'02         | 13 <b>≈</b> 3  | 17°29          | 8° 0           | 2°32           | 1°41           | 8°19          | 8°15          | 7°36           | 20°45          | 20°28          | 18°57          | 17°16          | 10°52 | W21  |
| T 22 | 11 54 21 | 0 <b>℃</b> 27'36 | 25°57          | 18° 6          | 9°15           | 3°16           | 1°51           | 8°26          | 8°17          | 7°36           | 20°46          | 20°R28         | 18°54          | 17°22          | 10°56 | T 22 |
| F 23 | 11 58 17 | 1°27'08          | 8 <b>)</b> (38 | 18°36          | 10°29          | 3°59           | 2° 0           | 8°33          | 8°18          | 7°37           | 20°46          | 20°27          | 18°51          | 17°29          | 10°59 | F 23 |
| S 24 | 12 2 14  | 2°26'38          | 21° 9          | 18°58          | 11°44          | 4°43           | 2°11           | 8°40          | 8°19          | 7°37           | 20°46          | 20°23          | 18°47          | 17°36          | 11° 3 | S 24 |
| S 25 | 12 6 10  | 3°26'06          | 3 <b>Y</b> 30  | 19°13          | 12°58          | 5°26           | 2°21           | 8°47          | 8°20          | 7°37           | 20°47          | 20°17          | 18°44          | 17°43          | 11° 6 | S 25 |
| M26  | 12 10 7  | 4°25'32          | 15°42          | 19°R19         | 14°13          | 6° 9           | 2°31           | 8°54          | 8°21          | 7°37           | 20°47          | 20°10          | 18°41          | 17°49          | 11° 9 | M26  |
| T 27 | 12 14 3  | 5°24'56          | 27°46          | 19°18          | 15°27          | 6°52           | 2°41           | 9° 1          | 8°22          | 7°37           | 20°48          | 20° 1          | 18°38          | 17°56          | 11°13 | T 27 |
| W28  | 12 18 0  | 6°24'18          | 9 <b>8</b> 44  | 19° 9          | 16°41          | 7°35           | 2°52           | 9° 7          | 8°23          | 7°38           | 20°48          | 19°52          | 18°35          | 18° 3          | 11°16 | W28  |
| T 29 | 12 21 57 | 7°23'38          | 21°37          | 18°53          | 17°56          | 8°19           | 3° 2           | 9°14          | 8°23          | 7°38           | 20°49          | 19°44          | 18°31          | 18°10          | 11°19 | T 29 |
| F 30 | 12 25 53 | 8°22'56          | 3Ⅱ29           | 18°31          | 19°10          | 9° 2           | 3°13           | 9°21          | 8°24          | 7°38           | 20°49          | 19°37          | 18°28          | 18°16          | 11°22 | F 30 |
| S 31 | 12 29 50 | 9 <b>Ƴ</b> 22'11 | 15 <b>Ⅲ</b> 21 | 18 <b>°</b> 3  | 20 <b>Y</b> 25 | 9 <b>8</b> 45  | 3 <b>Ⅱ</b> 24  | 9 <b>∺</b> 28 | 8 <b>궁</b> 25 | <b>79</b> 39   | 20耳50          | 19 <b>Ω</b> 31 | 18 <b>Ω</b> 25 | 18 <b>8</b> 23 | 11≈25 | S 31 |
| 8 31 | 12 29 50 | 9"1"22"11        | 15Щ21          | 18 7 3         | 20 1 25        | 9 <b>0</b> 45  | 3Д24           | 9 <b>代</b> 28 | 8025          | /2039          | 20Д50          | 198631         | 188 (25        | 18 <b>6</b> 23 | 11≈25 | S    |

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| Day  | Sid.t    | $\odot$           | D               | φ              | ·              | ď     | 4              | ħ              | )Å(            | ¥     | P 2             | ß              | Ω              | ţ              | Š     | Day  |
|------|----------|-------------------|-----------------|----------------|----------------|-------|----------------|----------------|----------------|-------|-----------------|----------------|----------------|----------------|-------|------|
| S 1  | 12 33 46 | 10 <b>Υ</b> 21'24 | 27 <b>Ⅲ</b> 19  | 17°R29         | 21 <b>Y</b> 39 | 10828 | 3 <b>II</b> 35 | 9 <b>∺</b> 34  | 8 <b>ට</b> 26  | 7939  | 20耳50           | 19°R28         | 18 <b>N</b> 22 | 18 <b>8</b> 30 | 11≈28 | S 1  |
| M 2  | 12 37 43 | 11°20'35          | 99527           | 16 <b>Y</b> 51 | 22°53          | 11°11 | 3°45           | 9°41           | 8°26           | 7°39  | 20°51           | 19°D27         | 18°19          | 18°36          | 11°31 | M 2  |
| T 3  | 12 41 39 | 12°19'43          | 21°50           | 16° 9          | 24° 8          | 11°53 | 3°57           | 9°47           | 8°27           | 7°40  | 20°51           | 19 <b>Ω</b> 28 | 18°16          | 18°43          | 11°34 | T 3  |
| W 4  | 12 45 36 | 13°18'50          | 4Ω32            | 15°24          | 25°22          | 12°36 | 4° 8           | 9°54           | 8°27           | 7°40  | 20°52           | 19°29          | 18°12          | 18°50          | 11°37 | W 4  |
| T 5  | 12 49 32 | 14°17'53          | 17°39           | 14°38          | 26°36          | 13°19 | 4°19           | 10° 0          | 8°28           | 7°41  | 20°53           | 19°R29         | 18° 9          | 18°57          | 11°40 | T 5  |
| F 6  | 12 53 29 | 15°16'55          | 1 <b>m</b> 13   | 13°50          | 27°50          | 14° 2 | 4°30           | 10° 7          | 8°28           | 7°41  | 20°53           | 19°29          | 18° 6          | 19° 3          | 11°43 | F 6  |
| S 7  | 12 57 25 | 16°15'54          | 15°15           | 13° 2          | 29° 4          | 14°44 | 4°42           | 10°13          | 8°28           | 7°42  | 20°54           | 19°26          | 18° 3          | 19°10          | 11°46 | S 7  |
| S 8  | 13 1 22  | 17°14'51          | 29°44           | 12°15          | 0 <b>8</b> 19  | 15°27 | 4°53           | 10°20          | 8°29           | 7°43  | 20°55           | 19°21          | 18° 0          | 19°17          | 11°48 | S 8  |
| M 9  | 13 5 19  | 18°13'46          | 14 <u>₽</u> 36  | 11°30          | 1°33           | 16°10 | 5° 5           | 10°26          | 8°29           | 7°43  | 20°55           | 19°14          | 17°56          | 19°23          | 11°51 | M 9  |
| T 10 | 13 9 15  | 19°12'39          | 29°42           | 10°47          | 2°47           | 16°52 | 5°16           | 10°32          | 8°29           | 7°44  | 20°56           | 19° 5          | 17°53          | 19°30          | 11°53 | T 10 |
| W11  | 13 13 12 | 20°11'30          | 14 <b>M</b> 51  | 10° 7          | 4° 1           | 17°35 | 5°28           | 10°38          | 8°29           | 7°45  | 20°57           | 18°56          | 17°50          | 19°37          | 11°56 | W11  |
| T 12 | 13 17 8  | 21°10'19          | 29°55           | 9°32           | 5°15           | 18°17 | 5°40           | 10°45          | 8°29           | 7°46  | 20°58           | 18°47          | 17°47          | 19°44          | 11°58 | T 12 |
| F 13 | 13 21 5  | 22° 9'06          | 14 <b>×</b> 743 | 9° 0           | 6°29           | 19° 0 | 5°51           | 10°51          | 8°R29          | 7°46  | 20°58           | 18°41          | 17°44          | 19°50          | 12° 1 | F 13 |
| S 14 | 13 25 1  | 23° 7'52          | 29°11           | 8°33           | 7°43           | 19°42 | 6° 3           | 10°57          | 8°29           | 7°47  | 20°59           | 18°36          | 17°41          | 19°57          | 12° 3 | S 14 |
| S 15 | 13 28 58 | 24° 6'36          | 13 <b>る</b> 13  | 8°11           | 8°57           | 20°24 | 6°15           | 11° 3          | 8°29           | 7°48  | 21° 0           | 18°34          | 17°37          | 20° 4          | 12° 5 | S 15 |
| M16  | 13 32 54 | 25° 5'18          | 26°51           | 7°54           | 10°11          | 21° 6 | 6°28           | 11° 9          | 8°29           | 7°49  | 21° 1           | 18°D33         | 17°34          | 20°11          | 12° 7 | M16  |
| T 17 | 13 36 51 | 26° 3'59          | 10≈ 6           | 7°42           | 11°25          | 21°49 | 6°40           | 11°15          | 8°29           | 7°50  | 21° 2           | 18°34          | 17°31          | 20°17          | 12°10 | T 17 |
| W18  | 13 40 48 | 27° 2'38          | 23° 2           | 7°35           | 12°39          | 22°31 | 6°52           | 11°21          | 8°29           | 7°51  | 21° 3           | 18°R34         | 17°28          | 20°24          | 12°12 | W18  |
| T 19 | 13 44 44 | 28° 1'15          | 5 <b>) (</b> 41 | 7°D33          | 13°52          | 23°13 | 7° 4           | 11°26          | 8°29           | 7°52  | 21° 4           | 18°32          | 17°25          | 20°31          | 12°14 | T 19 |
| F 20 | 13 48 41 | 28°59'51          | 18° 7           | 7°37           | 15° 6          | 23°55 | 7°16           | 11°32          | 8°28           | 7°53  | 21° 5           | 18°29          | 17°22          | 20°37          | 12°16 | F 20 |
| S 21 | 13 52 37 | 29°58'24          | 0 <b>Υ</b> 23   | 7°45           | 16°20          | 24°37 | 7°29           | 11°38          | 8°28           | 7°54  | 21° 5           | 18°22          | 17°18          | 20°44          | 12°17 | S 21 |
| S 22 | 13 56 34 | 0856'56           | 12°31           | 7°59           | 17°34          | 25°19 | 7°41           | 11°43          | 8°28           | 7°55  | 21° 6           | 18°13          | 17°15          | 20°51          | 12°19 | S 22 |
| M23  | 14 0 30  | 1°55'27           | 24°33           | 8°17           | 18°48          | 26° 1 | 7°54           | 11°49          | 8°27           | 7°56  | 21° 7           | 18° 2          | 17°12          | 20°58          | 12°21 | M23  |
| T 24 | 14 427   | 2°53'55           | 6 <b>8</b> 30   | 8°39           | 20° 1          | 26°43 | 8° 6           | 11°54          | 8°27           | 7°57  | 21° 8           | 17°48          | 17° 9          | 21° 4          | 12°23 | T 24 |
| W25  | 14 8 23  | 3°52'21           | 18°24           | 9° 6           | 21°15          | 27°25 | 8°19           | 12° 0          | 8°26           | 7°58  | 21° 9           | 17°35          | 17° 6          | 21°11          | 12°24 | W25  |
| T 26 | 14 12 20 | 4°50'46           | 0 <b>耳</b> 16   | 9°38           | 22°29          | 28° 7 | 8°32           | 12° 5          | 8°26           | 7°59  | 21°10           | 17°21          | 17° 2          | 21°18          | 12°26 | T 26 |
| F 27 | 14 16 17 | 5°49'09           | 12° 7           | 10°13          | 23°42          | 28°49 | 8°45           | 12°11          | 8°25           | 8° 1  | 21°11           | 17°10          | 16°59          | 21°24          | 12°27 | F 27 |
| S 28 | 14 20 13 | 6°47'30           | 24° 1           | 10°52          | 24°56          | 29°30 | 8°57           | 12°16          | 8°24           | 8° 2  | 21°12           | 17° 1          | 16°56          | 21°31          | 12°29 | S 28 |
| S 29 | 14 24 10 | 7°45'48           | 5959            | 11°35          | 26°10          | 0П12  | 9°10           | 12°21          | 8°23           | 8° 3  | 21°14           | 16°55          | 16°53          | 21°38          | 12°30 | S 29 |
| M30  | 14 28 6  | 8844'05           | 1895 6          | 12 <b>Y</b> 22 | 27823          | 0耳54  | 9∏23           | 12 <b>)</b> 26 | 8 <b>ප්</b> 23 | 899 4 | 21 <b>I</b> I15 | 16 <b>Ω</b> 51 | 16 <b>Q</b> 50 | 21845          | 12≈31 | M30  |

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| Day         | Sid.t                | 0                    | D                      | ğ              | ·              | ♂              | 4              | ħ              | )Å(           | ¥             | В               | ₽.             | ಬ              | Ç              | ,<br>к         | Day         |
|-------------|----------------------|----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|-----------------|----------------|----------------|----------------|----------------|-------------|
| T 1         | 14 32 3              | 9842'20              | 0 <b>Ω</b> 27          | 13 <b>Y</b> 12 | 28 <b>8</b> 37 | 1 <b>Ⅱ</b> 35  | 9Д36           | 12 <b>)</b> 31 | 8°R22         | 8 <b>9</b> 6  | 21 <b>I</b> I16 | 16°R50         | 16 <b>Ω</b> 47 | 21851          | 12≈33          | T 1         |
| W 2         | 14 35 59             | 10°40'33             | 13° 5                  | 14° 5          | 29°50          | 2°17           | 9°49           | 12°36          | 8 <b>궁</b> 21 | 8° 7          | 21°17           | 16 <b>Ω</b> 49 | 16°43          | 21°58          | 12°34          | W 2         |
| T 3         | 14 39 56             | 11°38'43             | 26° 6                  | 15° 1          | 1 <b>I</b> 4   | 2°59           | 10° 2          | 12°41          | 8°20          | 8° 9          | 21°18           | 16°49          | 16°40          | 22° 5          | 12°35          | T 3         |
| F 4<br>S 5  | 14 43 52<br>14 47 49 | 12°36'52<br>13°34'58 | 9 <b>m</b> 34<br>23°30 | 16° 1<br>17° 3 | 2°17<br>3°30   | 3°40<br>4°22   | 10°15<br>10°28 | 12°46<br>12°51 | 8°19<br>8°18  | 8°10<br>8°11  | 21°19<br>21°20  | 16°48<br>16°45 | 16°37<br>16°34 | 22°12<br>22°18 | 12°36<br>12°37 | F 4<br>S 5  |
|             |                      |                      |                        |                |                |                |                |                |               | -             | _               |                |                |                |                |             |
| S 6         | 14 51 46             | 14°33'03             | 7 <b>≙</b> 57          | 18° 8          | 4°44           | 5° 3           | 10°42          | 12°55          | 8°17          | 8°13          | 21°21           | 16°39          | 16°31          | 22°25          | 12°38          | S 6         |
| M 7         | 14 55 42             | 15°31'06             | 22°49                  | 19°16          | 5°57           | 5°44           | 10°55          | 13° 0          | 8°16          | 8°14          | 21°23           | 16°30          | 16°28          | 22°32          | 12°39          | M 7         |
| T 8<br>W 9  | 14 59 39<br>15 3 35  | 16°29'07<br>17°27'06 | 8ML 1<br>23°21         | 20°26<br>21°40 | 7°10<br>8°24   | 6°26<br>7° 7   | 11° 8<br>11°21 | 13° 5<br>13° 9 | 8°15<br>8°13  | 8°16<br>8°17  | 21°24<br>21°25  | 16°20<br>16° 9 | 16°24<br>16°21 | 22°38<br>22°45 | 12°39<br>12°40 | T 8<br>W 9  |
| T 10        | 15 7 32              | 18°25'04             | 8 <b>7</b> 39          | 22°55          | 9°37           | 7°48           | 11°35          | 13°13          | 8°12          | 8°19          | 21°26           | 15°59          | 16°18          | 22°52          | 12°41          | T 10        |
| F 11        | 15 11 28             | 19°23'01             | 23°42                  | 24°13          | 10°50          | 8°29           | 11°48          | 13°18          | 8°11          | 8°20          | 21°27           | 15°50          | 16°15          | 22°59          | 12°41          | F 11        |
| S 12        | 15 15 25             | 20°20'56             | 8 <b>궁</b> 24          | 25°33          | 12° 3          | 9°10           | 12° 2          | 13°22          | 8° 9          | 8°22          | 21°29           | 15°44          | 16°12          | 23° 5          | 12°42          | S 12        |
| S 13        | 15 19 21             | 21°18'50             | 22°38                  | 26°56          | 13°16          | 9°52           | 12°15          | 13°26          | 8° 8          | 8°24          | 21°30           | 15°41          | 16° 8          | 23°12          | 12°42          | S 13        |
| M14         | 15 23 18             | 22°16'43             | 6≈24                   | 28°21          | 14°30          | 10°33          | 12°28          | 13°30          | 8° 7          | 8°25          | 21°31           | 15°39          | 16° 5          | 23°19          | 12°42          | M14         |
| T 15        | 15 27 15             | 23°14'34             | 19°42                  | 29°48          | 15°43          | 11°14          | 12°42          | 13°34          | 8° 5          | 8°27          | 21°32           | 15°39          | 16° 2          | 23°26          | 12°43          | T 15        |
| W16         | 15 31 11             | 24°12'24             | 2 <b>)</b> 36          | 1818           | 16°56          | 11°55          | 12°55          | 13°38          | 8° 4          | 8°29          | 21°34           | 15°39          | 15°59          | 23°32          | 12°43          | W16         |
| T 17        | 15 35 8              | 25°10'13             | 15°11                  | 2°50           | 18° 9          | 12°36          | 13° 9          | 13°42          | 8° 2          | 8°30          | 21°35           | 15°38          | 15°56          | 23°39          | 12°43          | T 17        |
| F 18        | 15 39 4              | 26° 8'01             | 27°30                  | 4°23           | 19°22          | 13°17          | 13°23          | 13°46          | 8° 1          | 8°32          | 21°36           | 15°34          | 15°53          | 23°46          | 12°43          | F 18        |
| S 19        | 15 43 1              | 27° 5'47             | 9 <b>Υ</b> 38          | 6° 0           | 20°35          | 13°57          | 13°36          | 13°50          | 7°59          | 8°34          | 21°37           | 15°28          | 15°49          | 23°52          | 12°R43         | S 19        |
| S 20        | 15 46 57             | 28° 3'33             | 21°39                  | 7°38           | 21°48          | 14°38          | 13°50          | 13°53          | 7°57          | 8°36          | 21°39           | 15°19          | 15°46          | 23°59          | 12°43          | S 20        |
| M21         | 15 50 54             | 29° 1'17             | 3 <b>8</b> 34          | 9°19           | 23° 1          | 15°19          | 14° 3          | 13°57          | 7°56          | 8°37          | 21°40           | 15° 8          | 15°43          | 24° 6          | 12°43          | M21         |
| T 22<br>W23 | 15 54 50<br>15 58 47 | 29°59'00<br>0∏56'42  | 15°27<br>27°18         | 11° 1<br>12°46 | 24°13<br>25°26 | 16° 0<br>16°41 | 14°17<br>14°31 | 14° 0<br>14° 4 | 7°54<br>7°52  | 8°39<br>8°41  | 21°41<br>21°43  | 14°55<br>14°42 | 15°40<br>15°37 | 24°13<br>24°19 | 12°43<br>12°43 | T 22<br>W23 |
| T 24        | 16 2 44              | 1°54'23              | 27 18<br>9 <b>Ⅱ</b> 11 | 14°33          | 26°39          | 17°21          | 14°45          | 14° 7          | 7°50          | 8°43          | 21°44           | 14°29          | 15°34          | 24°26          | 12°43          | T 24        |
| F 25        | 16 6 40              | 2°52'02              | 21° 5                  | 16°23          | 27°52          | 18° 2          | 14°58          | 14°10          | 7°49          | 8°45          | 21°45           | 14°18          | 15°30          | 24°33          | 12°42          | F 25        |
| S 26        | 16 10 37             | 3°49'40              | 399 3                  | 18°14          | 29° 5          | 18°43          | 15°12          | 14°13          | 7°47          | 8°47          | 21°47           | 14° 9          | 15°27          | 24°39          | 12°41          | S 26        |
| S 27        | 16 14 33             | 4°47'17              | 15° 7                  | 20° 8          | 0917           | 19°23          | 15°26          | 14°16          | 7°45          | 8°49          | 21°48           | 14° 2          | 15°24          | 24°46          | 12°41          | S 27        |
| M28         | 16 18 30             | 5°44'52              | 27°19                  | 22° 3          | 1°30           | 20° 4          | 15°40          | 14°19          | 7°43          | 8°51          | 21°49           | 13°59          | 15°21          | 24°53          | 12°40          | M28         |
| T 29        | 16 22 26             | 6°42'26              | 9 <b>Ω</b> 43          | 24° 1          | 2°43           | 20°44          | 15°53          | 14°22          | 7°41          | 8°53          | 21°51           | 13°D58         | 15°18          | 25° 0          | 12°40          | T 29        |
| W30         | 16 26 23             | 7°39'59              | 22°22                  | 26° 1          | 3°55           | 21°25          | 16° 7          | 14°24          | 7°39          | 8°54          | 21°52           | 13°58          | 15°14          | 25° 6          | 12°39          | W30         |
| T 31        | 16 30 19             | 8 <b>Ⅱ</b> 37'30     | 5 <b>M</b> 22          | 288 3          | 5 <b>95</b> 8  | 22 <b>II</b> 5 | 16耳21          | 14 <b>米</b> 27 | 7 <b>云</b> 37 | 8 <b>9</b> 56 | 21 <b>Ⅱ</b> 54  | 13°R58         | 15 <b>Ω</b> 11 | 25 <b>8</b> 13 | 12 <b>≈</b> 38 | T 31        |

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|------|----------|----------|------------------|--------|---------------|----------------|----------------|-----------------|----------------|--------|-----------------|----------------|----------------|----------------|----------------|------|
| F 1  | 16 34 16 | 9∏35′00  | 18 <b>M</b> 44   | 0耳 6   | 6920          | 22 <b>∐</b> 45 | 16 <b>Ⅲ</b> 35 | 14 <b>)</b> (30 | 7°R35          | 8958   | 21 <b>II</b> 55 | 13°R58         | 15 <b>Ω</b> 8  | 25 <b>8</b> 20 | 12°R37         | F 1  |
| S 2  | 16 38 13 | 10°32'29 | 2 <b>₾</b> 33    | 2°11   | 7°33          | 23°26          | 16°49          | 14°32           | 7 <b>云</b> 33  | 9° 0   | 21°56           | 13 <b>£</b> 56 | 15° 5          | 25°27          | 12 <b>≈</b> 36 | S 2  |
| S 3  | 16 42 9  | 11°29'56 | 16°49            | 4°18   | 8°45          | 24° 6          | 17° 3          | 14°34           | 7°31           | 9° 2   | 21°58           | 13°52          | 15° 2          | 25°33          | 12°35          | S 3  |
| M 4  | 16 46 6  | 12°27'22 | 1 <b>M</b> .30   | 6°27   | 9°58          | 24°46          | 17°16          | 14°37           | 7°29           | 9° 4   | 21°59           | 13°46          | 14°59          | 25°40          | 12°34          | M 4  |
| T 5  | 16 50 2  | 13°24'47 | 16°31            | 8°36   | 11°10         | 25°27          | 17°30          | 14°39           | 7°27           | 9° 7   | 22° 0           | 13°38          | 14°55          | 25°47          | 12°33          | T 5  |
| W 6  | 16 53 59 | 14°22'11 | 1 <b>~</b> 145   | 10°47  | 12°22         | 26° 7          | 17°44          | 14°41           | 7°24           | 9° 9   | 22° 2           | 13°29          | 14°52          | 25°53          | 12°32          | W 6  |
| T 7  | 16 57 55 | 15°19'34 | 17° 0            | 12°58  | 13°35         | 26°47          | 17°58          | 14°43           | 7°22           | 9°11   | 22° 3           | 13°21          | 14°49          | 26° 0          | 12°31          | T 7  |
| F 8  | 17 1 52  | 16°16'56 | 2පි 5            | 15°10  | 14°47         | 27°27          | 18°12          | 14°45           | 7°20           | 9°13   | 22° 5           | 13°14          | 14°46          | 26° 7          | 12°29          | F 8  |
| S 9  | 17 5 48  | 17°14'18 | 16°52            | 17°22  | 15°59         | 28° 7          | 18°26          | 14°47           | 7°18           | 9°15   | 22° 6           | 13° 9          | 14°43          | 26°14          | 12°28          | S 9  |
| S 10 | 17 9 45  | 18°11'39 | 1≈13             | 19°34  | 17°11         | 28°47          | 18°40          | 14°48           | 7°16           | 9°17   | 22° 8           | 13° 6          | 14°40          | 26°20          | 12°27          | S 10 |
| M11  | 17 13 42 | 19° 8'59 | 15° 7            | 21°46  | 18°23         | 29°27          | 18°54          | 14°50           | 7°13           | 9°19   | 22° 9           | 13°D 6         | 14°36          | 26°27          | 12°25          | M11  |
| T 12 | 17 17 38 | 20° 6'19 | 28°32            | 23°57  | 19°35         | 095 7          | 19° 7          | 14°51           | 7°11           | 9°21   | 22°10           | 13° 7          | 14°33          | 26°34          | 12°24          | T 12 |
| W13  | 17 21 35 | 21° 3'38 | 11 <b>) (</b> 31 | 26° 7  | 20°47         | 0°47           | 19°21          | 14°53           | 7° 9           | 9°23   | 22°12           | 13° 8          | 14°30          | 26°40          | 12°22          | W13  |
| T 14 | 17 25 31 | 22° 0'57 | 24° 9            | 28°16  | 21°59         | 1°27           | 19°35          | 14°54           | 7° 7           | 9°25   | 22°13           | 13°R 8         | 14°27          | 26°47          | 12°20          | T 14 |
| F 15 | 17 29 28 | 22°58'15 | 6 <b>Υ</b> 28    | 09୍ଦ24 | 23°11         | 2° 7           | 19°49          | 14°55           | 7° 4           | 9°28   | 22°15           | 13° 7          | 14°24          | 26°54          | 12°19          | F 15 |
| S 16 | 17 33 24 | 23°55'33 | 18°35            | 2°31   | 24°23         | 2°47           | 20° 3          | 14°56           | 7° 2           | 9°30   | 22°16           | 13° 4          | 14°20          | 27° 1          | 12°17          | S 16 |
| S 17 | 17 37 21 | 24°52'51 | 0 <b>8</b> 32    | 4°36   | 25°35         | 3°27           | 20°17          | 14°57           | 6°59           | 9°32   | 22°17           | 12°59          | 14°17          | 27° 7          | 12°15          | S 17 |
| M18  | 17 41 17 | 25°50'08 | 12°25            | 6°39   | 26°47         | 4° 7           | 20°31          | 14°58           | 6°57           | 9°34   | 22°19           | 12°52          | 14°14          | 27°14          | 12°13          | M18  |
| T 19 | 17 45 14 | 26°47'26 | 24°16            | 8°40   | 27°59         | 4°46           | 20°44          | 14°59           | 6°55           | 9°36   | 22°20           | 12°44          | 14°11          | 27°21          | 12°11          | T 19 |
| W20  | 17 49 11 | 27°44'42 | 6 <b>II</b> 9    | 10°40  | 29°10         | 5°26           | 20°58          | 15° 0           | 6°52           | 9°38   | 22°22           | 12°36          | 14° 8          | 27°28          | 12° 9          | W20  |
| T 21 | 17 53 7  | 28°41'59 | 18° 4            | 12°37  | $0\Omega 22$  | 6° 6           | 21°12          | 15° 1           | 6°50           | 9°41   | 22°23           | 12°28          | 14° 5          | 27°34          | 12° 7          | T 21 |
| F 22 | 17 57 4  | 29°39'15 | 0ණ 4             | 14°32  | 1°34          | 6°45           | 21°26          | 15° 1           | 6°48           | 9°43   | 22°24           | 12°20          | 14° 1          | 27°41          | 12° 5          | F 22 |
| S 23 | 18 1 0   | 0936'31  | 12°11            | 16°25  | 2°45          | 7°25           | 21°40          | 15° 1           | 6°45           | 9°45   | 22°26           | 12°15          | 13°58          | 27°48          | 12° 3          | S 23 |
| S 24 | 18 4 57  | 1°33'46  | 24°26            | 18°16  | 3°57          | 8° 5           | 21°53          | 15° 2           | 6°43           | 9°47   | 22°27           | 12°12          | 13°55          | 27°54          | 12° 1          | S 24 |
| M25  | 18 8 53  | 2°31'01  | $6\Omega$ 50     | 20° 5  | 5° 8          | 8°44           | 22° 7          | 15° 2           | 6°40           | 9°50   | 22°29           | 12°D10         | 13°52          | 28° 1          | 11°59          | M25  |
| T 26 | 18 12 50 | 3°28'15  | 19°25            | 21°51  | 6°20          | 9°24           | 22°21          | 15° 2           | 6°38           | 9°52   | 22°30           | 12°10          | 13°49          | 28° 8          | 11°56          | T 26 |
| W27  | 18 16 46 | 4°25'29  | 2 Mp 15          | 23°35  | 7°31          | 10° 3          | 22°34          | 15°R 2          | 6°35           | 9°54   | 22°31           | 12°11          | 13°45          | 28°15          | 11°54          | W27  |
| T 28 | 18 20 43 | 5°22'43  | 15°20            | 25°17  | 8°43          | 10°43          | 22°48          | 15° 2           | 6°33           | 9°56   | 22°33           | 12°13          | 13°42          | 28°21          | 11°52          | T 28 |
| F 29 | 18 24 40 | 6°19'56  | 28°45            | 26°57  | 9°54          | 11°22          | 23° 2          | 15° 2           | 6°31           | 9°58   | 22°34           | 12°14          | 13°39          | 28°28          | 11°49          | F 29 |
| S 30 | 18 28 36 | 79517'08 | 12 <b>≏</b> 30   | 28935  | 11 <b>0</b> 5 | 1295 2         | 23 <b>Ⅱ</b> 15 | 15 <b>∺</b> 2   | 6 <b>පි</b> 28 | 1099 1 | 22 <b>II</b> 36 | 12°R14         | 13 <b>N</b> 36 | 28 <b>8</b> 35 | 11≈47          | S 30 |

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|------|----------|------------------|----------------|----------------|----------------|---------------|-------|---------------|---------------|--------|----------------|----------------|----------------|----------------|--------|------|
| S 1  | 18 32 33 | 89514'20         | 26 <b>₽</b> 36 | 0Ω10           | 12 <b>Ω</b> 16 | 129541        | 23耳29 | 15°R 1        | 6°R26         | 1095 3 | 22∏37          | 12°R13         | 13€33          | 28841          | 11°R44 | S 1  |
| M 2  | 18 36 29 | 9°11'31          | 11 <b>m</b> 2  | 1°43           | 13°27          | 13°21         | 23°43 | 15 <b>米</b> 1 | 6 <b>ප</b> 23 | 10° 5  | 22°38          | 12 <b>Ω</b> 10 | 13°30          | 28°48          | 11≈42  | M 2  |
| T 3  | 18 40 26 | 10° 8'43         | 25°45          | 3°14           | 14°38          | 14° 0         | 23°56 | 15° 0         | 6°21          | 10° 7  | 22°40          | 12° 6          | 13°26          | 28°55          | 11°39  | T 3  |
| W 4  | 18 44 22 | 11° 5'54         | 10 <b>∡</b> 38 | 4°42           | 15°49          | 14°39         | 24°10 | 14°59         | 6°18          | 10°10  | 22°41          | 12° 2          | 13°23          | 29° 2          | 11°36  | W 4  |
| T 5  | 18 48 19 | 12° 3'05         | 25°35          | 6° 8           | 17° 0          | 15°19         | 24°23 | 14°59         | 6°16          | 10°12  | 22°42          | 11°58          | 13°20          | 29° 8          | 11°34  | T 5  |
| F 6  | 18 52 15 | 13° 0'16         | 10 <b>ට</b> 27 | 7°32           | 18°11          | 15°58         | 24°37 | 14°58         | 6°14          | 10°14  | 22°44          | 11°55          | 13°17          | 29°15          | 11°31  | F 6  |
| S 7  | 18 56 12 | 13°57'27         | 25° 5          | 8°54           | 19°22          | 16°37         | 24°50 | 14°57         | 6°11          | 10°16  | 22°45          | 11°52          | 13°14          | 29°22          | 11°28  | S 7  |
| S 8  | 19 0 9   | 14°54'38         | 9≈23           | 10°13          | 20°33          | 17°16         | 25° 4 | 14°56         | 6° 9          | 10°18  | 22°46          | 11°D52         | 13°11          | 29°28          | 11°25  | S 8  |
| M 9  | 19 4 5   | 15°51'49         | 23°17          | 11°29          | 21°43          | 17°56         | 25°17 | 14°55         | 6° 6          | 10°21  | 22°48          | 11°52          | 13° 7          | 29°35          | 11°23  | M 9  |
| T 10 | 19 8 2   | 16°49'01         | 6 <b>)</b> 46  | 12°43          | 22°54          | 18°35         | 25°30 | 14°53         | 6° 4          | 10°23  | 22°49          | 11°53          | 13° 4          | 29°42          | 11°20  | T 10 |
| W11  | 19 11 58 | 17°46'12         | 19°49          | 13°55          | 24° 5          | 19°14         | 25°44 | 14°52         | 6° 2          | 10°25  | 22°50          | 11°55          | 13° 1          | 29°49          | 11°17  | W11  |
| T 12 | 19 15 55 | 18°43'25         | 2 <b>Υ</b> 31  | 15° 3          | 25°15          | 19°53         | 25°57 | 14°50         | 5°59          | 10°27  | 22°52          | 11°56          | 12°58          | 29°55          | 11°14  | T 12 |
| F 13 | 19 19 51 | 19°40'38         | 14°54          | 16° 9          | 26°25          | 20°32         | 26°10 | 14°49         | 5°57          | 10°30  | 22°53          | 11°R57         | 12°55          | 0 <b>Ⅱ</b> 2   | 11°11  | F 13 |
| S 14 | 19 23 48 | 20°37'51         | 27° 2          | 17°13          | 27°36          | 21°11         | 26°23 | 14°47         | 5°55          | 10°32  | 22°54          | 11°57          | 12°51          | 0° 9           | 11° 8  | S 14 |
| S 15 | 19 27 44 | 21°35'05         | 9 <b>8</b> 1   | 18°13          | 28°46          | 21°50         | 26°36 | 14°46         | 5°52          | 10°34  | 22°56          | 11°56          | 12°48          | 0°15           | 11° 5  | S 15 |
| M16  | 19 31 41 | 22°32'20         | 20°54          | 19°11          | 29°56          | 22°29         | 26°50 | 14°44         | 5°50          | 10°36  | 22°57          | 11°54          | 12°45          | 0°22           | 11° 2  | M16  |
| T 17 | 19 35 38 | 23°29'35         | 2∏46           | 20° 5          | 1 Mp 6         | 23° 8         | 27° 3 | 14°42         | 5°48          | 10°38  | 22°58          | 11°51          | 12°42          | 0°29           | 10°59  | T 17 |
| W18  | 19 39 34 | 24°26'51         | 14°40          | 20°56          | 2°16           | 23°47         | 27°16 | 14°40         | 5°45          | 10°41  | 22°59          | 11°49          | 12°39          | 0°36           | 10°56  | W18  |
| T 19 | 19 43 31 | 25°24'08         | 26°40          | 21°44          | 3°26           | 24°26         | 27°29 | 14°38         | 5°43          | 10°43  | 23° 0          | 11°46          | 12°36          | 0°42           | 10°53  | T 19 |
| F 20 | 19 47 27 | 26°21'25         | 89548          | 22°28          | 4°36           | 25° 5         | 27°42 | 14°35         | 5°41          | 10°45  | 23° 2          | 11°44          | 12°32          | 0°49           | 10°50  | F 20 |
| S 21 | 19 51 24 | 27°18'43         | 21° 6          | 23° 9          | 5°46           | 25°44         | 27°54 | 14°33         | 5°39          | 10°47  | 23° 3          | 11°42          | 12°29          | 0°56           | 10°46  | S 21 |
| S 22 | 19 55 20 | 28°16'01         | 3 <b>Ω</b> 35  | 23°45          | 6°56           | 26°23         | 28° 7 | 14°31         | 5°37          | 10°49  | 23° 4          | 11°42          | 12°26          | 1° 2           | 10°43  | S 22 |
| M23  | 19 59 17 | 29°13'20         | 16°17          | 24°18          | 8° 5           | 27° 2         | 28°20 | 14°28         | 5°34          | 10°51  | 23° 5          | 11°D42         | 12°23          | 1° 9           | 10°40  | M23  |
| T 24 | 20 3 14  | $0\Omega 10'39$  | 29°12          | 24°47          | 9°15           | 27°41         | 28°33 | 14°26         | 5°32          | 10°54  | 23° 6          | 11°42          | 12°20          | 1°16           | 10°37  | T 24 |
| W25  | 20 7 10  | 1° 7'59          | 12 <b>m</b> 20 | 25°11          | 10°25          | 28°19         | 28°46 | 14°23         | 5°30          | 10°56  | 23° 8          | 11°43          | 12°17          | 1°23           | 10°34  | W25  |
| T 26 | 20 11 7  | 2° 5'19          | 25°42          | 25°31          | 11°34          | 28°58         | 28°58 | 14°21         | 5°28          | 10°58  | 23° 9          | 11°44          | 12°13          | 1°29           | 10°30  | T 26 |
| F 27 | 20 15 3  | 3° 2'39          | 9 <b>≏</b> 18  | 25°46          | 12°43          | 29°37         | 29°11 | 14°18         | 5°26          | 11° 0  | 23°10          | 11°44          | 12°10          | 1°36           | 10°27  | F 27 |
| S 28 | 20 19 0  | 4° 0'01          | 23° 8          | 25°57          | 13°53          | 0 <b>Ω</b> 16 | 29°23 | 14°15         | 5°24          | 11° 2  | 23°11          | 11°45          | 12° 7          | 1°43           | 10°24  | S 28 |
| S 29 | 20 22 56 | 4°57'22          | 7 <b>M</b> 11  | 26° 3          | 15° 2          | 0°55          | 29°36 | 14°12         | 5°22          | 11° 4  | 23°12          | 11°R45         | 12° 4          | 1°49           | 10°21  | S 29 |
| M30  | 20 26 53 | 5°54'44          | 21°26          | 26°R 3         | 16°11          | 1°33          | 29°48 | 14° 9         | <u>5°</u> 20  | 11° 6  | 23°13          | 11°45          | 12° 1          | 1°56           | 10°17  | M30  |
| T 31 | 20 30 49 | 6 <b>Ω</b> 52'07 | 5 <b>₹</b> 51  | 25 <b>Ω</b> 59 | 17 <b>m</b> 20 | 2 <b>Ω</b> 12 | 099 0 | 14 <b>∺</b> 6 | 5 <b>る</b> 18 | 1199 8 | 23 <b>Ⅱ</b> 14 | 11 <b>Ω</b> 44 | 11 <b>Ω</b> 57 | 2 <b>I</b> I 3 | 10≈14  | T 31 |

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|------|----------|-------------------|----------------|----------------|----------------|---------------|---------------|----------------|---------------|--------|-----------------|-----------------|----------------|---------------|--------|------|
| W 1  | 20 34 46 | 7 <b>Ω</b> 49'30  | 20 <b>×</b> 20 | 25°R49         | 18 <b>m</b> 28 | 2 <b>Ω</b> 51 | 09913         | 14°R 3         | 5°R16         | 119510 | 23 <b>I</b> I15 | 11°R44          | 11 <b>Ω</b> 54 | 2 <b>Ⅱ</b> 10 | 10°R11 | W 1  |
| T 2  | 20 38 42 | 8°46'54           | 4 <b>궁</b> 51  | 25 <b>Ω</b> 34 | 19°37          | 3°29          | 0°25          | 13 <b>米</b> 59 | 5 <b>궁</b> 14 | 11°12  | 23°16           | 11 <b>Ω</b> 44  | 11°51          | 2°16          | 10≈ 8  | T 2  |
| F 3  | 20 42 39 | 9°44'18           | 19°18          | 25°14          | 20°46          | 4° 8          | 0°37          | 13°56          | 5°12          | 11°14  | 23°17           | 11°43           | 11°48          | 2°23          | 10° 4  | F 3  |
| S 4  | 20 46 36 | 10°41'44          | 3 <b>≈</b> 35  | 24°49          | 21°54          | 4°46          | 0°49          | 13°53          | 5°10          | 11°16  | 23°19           | 11°43           | 11°45          | 2°30          | 10° 1  | S 4  |
| S 5  | 20 50 32 | 11°39'10          | 17°37          | 24°19          | 23° 3          | 5°25          | 1° 1          | 13°49          | 5° 9          | 11°18  | 23°20           | 11°43           | 11°42          | 2°37          | 9°58   | S 5  |
| M 6  | 20 54 29 | 12°36'37          | 1 <b>)</b> 21  | 23°45          | 24°11          | 6° 4          | 1°13          | 13°46          | 5° 7          | 11°20  | 23°21           | 11°43           | 11°38          | 2°43          | 9°55   | M 6  |
| T 7  | 20 58 25 | 13°34'06          | 14°45          | 23° 6          | 25°19          | 6°42          | 1°25          | 13°42          | 5° 5          | 11°22  | 23°21           | 11°43           | 11°35          | 2°50          | 9°51   | T 7  |
| W 8  | 21 2 22  | 14°31'35          | 27°48          | 22°24          | 26°27          | 7°21          | 1°37          | 13°39          | 5° 3          | 11°24  | 23°22           | 11°43           | 11°32          | 2°57          | 9°48   | W 8  |
| T 9  | 21 6 18  | 15°29'06          | 10 <b>Y</b> 30 | 21°40          | 27°35          | 7°59          | 1°48          | 13°35          | 5° 2          | 11°26  | 23°23           | 11°43           | 11°29          | 3° 3          | 9°45   | T 9  |
| F 10 | 21 10 15 | 16°26'38          | 22°55          | 20°53          | 28°43          | 8°38          | 2° 0          | 13°31          | 5° 0          | 11°28  | 23°24           | 11°42           | 11°26          | 3°10          | 9°42   | F 10 |
| S 11 | 21 14 11 | 17°24'11          | 5 <b>8</b> 5   | 20° 4          | 29°51          | 9°16          | 2°12          | 13°27          | 4°58          | 11°30  | 23°25           | 11°42           | 11°23          | 3°17          | 9°38   | S 11 |
| S 12 | 21 18 8  | 18°21'46          | 17° 5          | 19°15          | 0 <b>ჲ</b> 58  | 9°55          | 2°23          | 13°23          | 4°57          | 11°32  | 23°26           | 11°D42          | 11°19          | 3°23          | 9°35   | S 12 |
| M13  | 21 22 5  | 19°19'22          | 28°59          | 18°26          | 2° 6           | 10°33         | 2°35          | 13°19          | 4°55          | 11°34  | 23°27           | 11°42           | 11°16          | 3°30          | 9°32   | M13  |
| T 14 | 21 26 1  | 20°17'00          | 10 <b>Ⅲ</b> 52 | 17°39          | 3°13           | 11°12         | 2°46          | 13°15          | 4°54          | 11°35  | 23°28           | 11°42           | 11°13          | 3°37          | 9°29   | T 14 |
| W15  | 21 29 58 | 21°14'40          | 22°48          | 16°53          | 4°20           | 11°50         | 2°57          | 13°11          | 4°52          | 11°37  | 23°29           | 11°43           | 11°10          | 3°44          | 9°26   | W15  |
| T 16 | 21 33 54 | 22°12'21          | 4951           | 16°11          | 5°27           | 12°28         | 3° 8          | 13° 7          | 4°51          | 11°39  | 23°30           | 11°44           | 11° 7          | 3°50          | 9°22   | T 16 |
| F 17 | 21 37 51 | 23°10'03          | 17° 5          | 15°33          | 6°34           | 13° 7         | 3°20          | 13° 3          | 4°50          | 11°41  | 23°30           | 11°45           | 11° 3          | 3°57          | 9°19   | F 17 |
| S 18 | 21 41 47 | 24° 7'47          | 29°34          | 15° 0          | 7°41           | 13°45         | 3°31          | 12°59          | 4°48          | 11°43  | 23°31           | 11°46           | 11° 0          | 4° 4          | 9°16   | S 18 |
| S 19 | 21 45 44 | 25° 5'32          | 12 <b>Ω</b> 18 | 14°33          | 8°47           | 14°23         | 3°41          | 12°55          | 4°47          | 11°44  | 23°32           | 11°R46          | 10°57          | 4°10          | 9°13   | S 19 |
| M20  | 21 49 40 | 26° 3'18          | 25°19          | 14°11          | 9°54           | 15° 2         | 3°52          | 12°51          | 4°46          | 11°46  | 23°33           | 11°46           | 10°54          | 4°17          | 9°10   | M20  |
| T 21 | 21 53 37 | 27° 1'06          | 8 <b>m</b> 37  | 13°57          | 11° 0          | 15°40         | 4° 3          | 12°46          | 4°45          | 11°48  | 23°33           | 11°45           | 10°51          | 4°24          | 9° 7   | T 21 |
| W22  | 21 57 34 | 27°58'56          | 22°10          | 13°D49         | 12° 6          | 16°18         | 4°14          | 12°42          | 4°44          | 11°49  | 23°34           | 11°43           | 10°48          | 4°31          | 9° 4   | W22  |
| T 23 | 22 1 30  | 28°56'46          | 5 <b>≙</b> 57  | 13°50          | 13°12          | 16°57         | 4°24          | 12°38          | 4°42          | 11°51  | 23°35           | 11°41           | 10°44          | 4°37          | 9° 1   | T 23 |
| F 24 | 22 5 27  | 29°54'38          | 19°55          | 13°58          | 14°18          | 17°35         | 4°35          | 12°33          | 4°41          | 11°53  | 23°36           | 11°38           | 10°41          | 4°44          | 8°58   | F 24 |
| S 25 | 22 9 23  | 0 <b>m</b> 52'31  | 4 <b>M</b> 1   | 14°14          | 15°24          | 18°13         | 4°45          | 12°29          | 4°40          | 11°54  | 23°36           | 11°36           | 10°38          | 4°51          | 8°55   | S 25 |
| S 26 | 22 13 20 | 1°50'26           | 18°12          | 14°37          | 16°29          | 18°52         | 4°55          | 12°24          | 4°39          | 11°56  | 23°37           | 11°35           | 10°35          | 4°57          | 8°52   | S 26 |
| M27  | 22 17 16 | 2°48'21           | 2 <b>₹</b> 25  | 15° 9          | 17°35          | 19°30         | 5° 5          | 12°20          | 4°38          | 11°57  | 23°37           | 11°D34          | 10°32          | 5° 4          | 8°49   | M27  |
| T 28 | 22 21 13 | 3°46'18           | 16°38          | 15°49          | 18°40          | 20° 8         | 5°15          | 12°15          | 4°38          | 11°59  | 23°38           | 11°35           | 10°29          | 5°11          | 8°46   | T 28 |
| W29  | 22 25 9  | 4°44'16           | 0 <b>ප්</b> 48 | 16°36          | 19°45          | 20°46         | 5°25          | 12°11          | 4°37          | 12° 1  | 23°39           | 11°36           | 10°25          | 5°18          | 8°43   | W29  |
| T 30 | 22 29 6  | 5°42'16           | 1 <u>4</u> °54 | 17°31          | 20°50          | 21°24         | 5°35          | 12° 6          | <u>4°36</u>   | 12° 2  | 23°39           | 11°37           | 10°22          | 5°24          | 8°41   | T 30 |
| F 31 | 22 33 3  | 6 <b>m</b> /40'17 | 28 <b>궁</b> 53 | 18 <b>Ω</b> 32 | 21 <b>≏</b> 54 | 22 <b>N</b> 3 | 5 <b>9</b> 45 | 12 <b>米</b> 2  | 4 <b>る</b> 35 | 1299 3 | 23 <b>Ⅱ</b> 40  | 11 <b>\O</b> 38 | 10 <b>Ω</b> 19 | 5 <b>Ⅱ</b> 31 | 8≈38   | F 31 |

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SEPTEMBER 1906 00:00 UT

| Day          | Sid.t                | 0                    | D                      | ğ              | ·              | ď               | 4            | ħ              | )∤(           | ¥              | Р               | n               | Ω              | Ç            | ķ             | Day          |
|--------------|----------------------|----------------------|------------------------|----------------|----------------|-----------------|--------------|----------------|---------------|----------------|-----------------|-----------------|----------------|--------------|---------------|--------------|
| S 1          | 22 36 59             | 7 <b>m</b> 38'19     | 12≈43                  | 19 <b>Ω</b> 41 | 22 <b>£</b> 58 | 22Ω41           | 5955         | 11°R57         | 4°R35         | 1299 5         | 23 <b>II</b> 40 | 11°R39          | 10Ω16          | 5Д38         | 8°R35         | S 1          |
| S 2          | 22 40 56             | 8°36'23              | 26°21                  | 20°55          | 24° 2          | 23°19           | 6° 4         | 11 <b>米</b> 53 | 4 <b>る</b> 34 | 12° 6          | 23°41           | 11 <b>Ω</b> 38  | 10°13          | 5°44         | 8≈33          | S 2          |
| M 3          | 22 44 52             | 9°34'28              | 9 <b>)</b> (47         | 22°16          | 25° 6          | 23°57           | 6°13         | 11°48          | 4°33          | 12° 8          | 23°41           | 11°36           | 10° 9          | 5°51         | 8°30          | M 3          |
| T 4          | 22 48 49             | 10°32'35             | 22°57                  | 23°42          | 26°10          | 24°35           | 6°23         | 11°43          | 4°33          | 12° 9          | 23°42           | 11°33           | 10° 6          | 5°58         | 8°27          | T 4          |
| W 5          | 22 52 45             | 11°30'44             | 5 <b>Υ</b> 51          | 25°13          | 27°13<br>28°16 | 25°13<br>25°51  | 6°32         | 11°39<br>11°34 | 4°32<br>4°32  | 12°10          | 23°42<br>23°43  | 11°28<br>11°23  | 10° 3<br>10° 0 | 6° 5<br>6°11 | 8°25          | W 5          |
| T 6<br>F 7   | 22 56 42<br>23 0 38  | 12°28'54<br>13°27'07 | 18°28<br>0 <b>8</b> 51 | 26°48<br>28°27 | 28°16<br>29°19 | 25°51<br>26°29  | 6°41<br>6°50 | 11°34<br>11°30 | 4°32<br>4°32  | 12°12<br>12°13 | 23°43<br>23°43  | 11°23<br>11°18  | 9°57           | 6°11         | 8°22<br>8°20  | T 6<br>F 7   |
| S 8          | 23 4 35              | 13 27 07<br>14°25'21 | 13° 0                  | 0 m 9          | 0ML22          | 20 29<br>27° 7  | 6°59         | 11°25          | 4°31          | 12 13<br>12°14 | 23°43           | 11°13           | 9°54           | 6°25         | 8°18          | S 8          |
|              |                      |                      |                        |                |                |                 |              |                |               |                |                 |                 | ,              |              |               |              |
| S 9          | 23 8 32              | 15°23'38             | 25° 0                  | 1°54           | 1°24           | 27°45           | 7° 7         | 11°21          | 4°31          | 12°15          | 23°44           | 11°10           | 9°50           | 6°31         | 8°15          | S 9          |
| M10          | 23 12 28             | 16°21'56             | 6 <b>Ⅱ</b> 53          | 3°42           | 2°27           | 28°24           | 7°16         | 11°16          | 4°31          | 12°17          | 23°44           | 11° 8           | 9°47           | 6°38         | 8°13          | M10          |
| T 11         | 23 16 25             | 17°20'17             | 18°45                  | 5°31           | 3°28           | 29° 2           | 7°24         | 11°11          | 4°30          | 12°18          | 23°44           | 11°D 7          | 9°44           | 6°45         | 8°11          | T 11         |
| W12          | 23 20 21             | 18°18'40             | 09540                  | 7°22<br>9°14   | 4°30           | 29°40           | 7°33         | 11° 7          | 4°30          | 12°19<br>12°20 | 23°45           | 11° 8           | 9°41           | 6°51         | 8° 8<br>8° 6  | W12          |
| T 13<br>F 14 | 23 24 18<br>23 28 14 | 19°17'05<br>20°15'32 | 12°44<br>25° 0         | 9°14<br>11° 6  | 5°31<br>6°32   | 0 Mp 18<br>0°56 | 7°41<br>7°49 | 11° 2<br>10°58 | 4°30<br>4°D30 | 12°20          | 23°45<br>23°45  | 11° 9<br>11°11  | 9°38<br>9°34   | 6°58<br>7°5  |               | T 13<br>F 14 |
| S 15         | 23 28 14 23 32 11    | 20°13'32<br>21°14'01 | $7\Omega_{34}$         | 12°59          | 7°33           | 1°34            | 7°57         | 10°58<br>10°53 | 4°30          | 12°21          | 23°45<br>23°45  | 11°11<br>11°R12 | 9°34<br>9°31   | 7° 12        | 8° 4<br>8° 2  | S 15         |
|              |                      | -                    |                        |                |                | _               |              |                |               |                |                 |                 |                |              |               |              |
| S 16         | 23 36 7              | 22°12'32             | 20°28                  | 14°53          | 8°33           | 2°12            | 8° 4         | 10°49          | 4°30          | 12°23          | 23°45           | 11°12           | 9°28           | 7°18         | 8° 0          | S 16         |
| M17          | 23 40 4              | 23°11'05             | 3 Mp 45                | 16°46          | 9°33           | 2°50            | 8°12         | 10°44          | 4°30          | 12°24          | 23°46           | 11°10           | 9°25           | 7°25         | 7°58          | M17          |
| T 18         | 23 44 1              | 24° 9'40             | 17°24                  | 18°39          | 10°33          | 3°28            | 8°20         | 10°40          | 4°30          | 12°25          | 23°46           | 11° 5           | 9°22           | 7°32         | 7°56          | T 18         |
| W19          | 23 47 57             | 25° 8'17             | 1 € 23                 | 20°31          | 11°32          | 4° 6            | 8°27         | 10°36          | 4°31          | 12°26          | 23°46           | 11° 0           | 9°19           | 7°38         | 7°54          | W19          |
| T 20         | 23 51 54             | 26° 6'56<br>27° 5'37 | 15°38                  | 22°23<br>24°15 | 12°31<br>13°30 | 4°43            | 8°34<br>8°41 | 10°31<br>10°27 | 4°31<br>4°31  | 12°27<br>12°28 | 23°46           | 10°53<br>10°45  | 9°15           | 7°45<br>7°52 | 7°53          | T 20<br>F 21 |
| F 21<br>S 22 | 23 55 50<br>23 59 47 | 27° 5'37<br>28° 4'20 | 0M 4<br>14°34          | 24°13<br>26° 5 | 13°30<br>14°28 | 5°21<br>5°59    | 8°48         | 10°27<br>10°23 | 4°31<br>4°32  | 12°28<br>12°29 | 23°46<br>23°46  | 10°45<br>10°39  | 9°12<br>9° 9   | 7°52<br>7°59 | 7°51<br>7°49  | S 22         |
|              |                      |                      |                        |                |                |                 |              |                |               |                |                 |                 |                |              |               |              |
| S 23         | 0 3 43               | 29° 3'04             | 29° 3                  | 27°55          | 15°26          | 6°37            | 8°55         | 10°18          | 4°32          | 12°30          | 23°46           | 10°33           | 9° 6           | 8° 5         | 7°47          | S 23         |
| M24          | 0 7 40               | 0₾ 1'50              | 13 <b>×</b> 25         | 29°44          | 16°23          | 7°15            | 9° 1         | 10°14          | 4°33          | 12°30          | 23°46           | 10°30           | 9° 3           | 8°12         | 7°46          | M24          |
| T 25         | 0 11 36              | 1° 0'38              | 27°38                  | 1 <b>₽</b> 33  | 17°20          | 7°53            | 9° 8         | 10°10          | 4°33          | 12°31          | 23°R46          | 10°D29          | 9° 0           | 8°19         | 7°44          | T 25         |
| W26          | 0 15 33              | 1°59'28              | 11 <b>궁</b> 39         | 3°20           | 18°16          | 8°31            | 9°14         | 10° 6          | 4°34          | 12°32          | 23°46           | 10°29           | 8°56           | 8°25         | 7°43          | W26          |
| T 27         | 0 19 29              | 2°58'19              | 25°28                  | 5° 7           | 19°12          | 9° 9            | 9°20         | 10° 2          | 4°34          | 12°32          | 23°46           | 10°30           | 8°53           | 8°32         | 7°42          | T 27         |
| F 28         | 0 23 26              | 3°57'12              | 9≈ 4                   | 6°52           | 20° 8          | 9°47            | 9°26         | 9°58           | 4°35          | 12°33          | 23°46           | 10°R31          | 8°50           | 8°39         | 7°40          | F 28         |
| S 29         | 0 27 23              | 4°56'07              | 22°30                  | 8°37           | 21° 3          | 10°24           | 9°32         | 9°54           | 4°36          | 12°34          | 23°46           | 10°30           | 8°47           | 8°45         | 7°39          | S 29         |
| S 30         | 0 31 19              | 5 <b>≙</b> 55'03     | 5 <b>)</b> (44         | 10 <b>≏</b> 21 | 21 <b>M</b> 57 | 11 Mp 2         | 9938         | 9 <b>)</b> 50  | 4 <b>궁</b> 36 | 12934          | 23 <b>Ⅱ</b> 46  | 10 <b>Ω</b> 27  | 8 <b>Ω</b> 44  | 8耳52         | 7 <b>≈</b> 38 | S 30         |

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|      |         |                  |                  | _              | _              |                | _      |               |               | _      | _               |                |               | _              |       |      |
|------|---------|------------------|------------------|----------------|----------------|----------------|--------|---------------|---------------|--------|-----------------|----------------|---------------|----------------|-------|------|
| Day  | Sid.t   | 0                | D                | ğ              | ·              | ď              | 4      | ħ             | )f(           | 卉      | В               | V              | v             | Ç              | ę,    | Day  |
| M 1  | 0 35 16 | 6 <b>₽</b> 54'01 | 18 <b>) (</b> 47 | 12 <b>♀</b> 4  | 22 <b>M</b> 51 | 11 <b>M</b> 40 | 99543  | 9°R46         | 4 <b>る</b> 37 | 12935  | 23°R46          | 10°R22         | 8 <b>Ω</b> 40 | 8 <b>Ц</b> 59  | 7°R37 | M 1  |
| T 2  | 0 39 12 | 7°53'01          | 1 <b>Y</b> 38    | 13°46          | 23°44          | 12°18          | 9°48   | 9 <b>)</b> 43 | 4°38          | 12°35  | 23耳46           | 10 <b>Ω</b> 14 | 8°37          | 9° 6           | 7≈36  | T 2  |
| W 3  | 0 43 9  | 8°52'04          | 14°17            | 15°27          | 24°37          | 12°56          | 9°54   | 9°39          | 4°39          | 12°36  | 23°45           | 10° 4          | 8°34          | 9°12           | 7°35  | W 3  |
| T 4  | 0 47 5  | 9°51'08          | 26°45            | 17° 7          | 25°29          | 13°33          | 9°59   | 9°35          | 4°40          | 12°36  | 23°45           | 9°53           | 8°31          | 9°19           | 7°34  | T 4  |
| F 5  | 0 51 2  | 10°50'14         | 9 <b>8</b> 0     | 18°47          | 26°20          | 14°11          | 10° 3  | 9°32          | 4°41          | 12°37  | 23°45           | 9°42           | 8°28          | 9°26           | 7°33  | F 5  |
| S 6  | 0 54 58 | 11°49'23         | 21° 6            | 20°25          | 27°11          | 14°49          | 10° 8  | 9°28          | 4°42          | 12°37  | 23°45           | 9°32           | 8°25          | 9°32           | 7°32  | S 6  |
| S 7  | 0 58 55 | 12°48'34         | 3 <b>II</b> 2    | 22° 3          | 28° 1          | 15°27          | 10°13  | 9°25          | 4°43          | 12°37  | 23°45           | 9°23           | 8°21          | 9°39           | 7°31  | S 7  |
| M 8  | 1 2 52  | 13°47'47         | 14°54            | 23°40          | 28°50          | 16° 5          | 10°17  | 9°21          | 4°44          | 12°38  | 23°44           | 9°16           | 8°18          | 9°46           | 7°31  | M 8  |
| T 9  | 1 6 48  | 14°47'02         | 26°43            | 25°17          | 29°39          | 16°42          | 10°21  | 9°18          | 4°46          | 12°38  | 23°44           | 9°12           | 8°15          | 9°53           | 7°30  | T 9  |
| W10  | 1 10 45 | 15°46'20         | 8936             | 26°52          | 0 <b>∡</b> 27  | 17°20          | 10°25  | 9°15          | 4°47          | 12°38  | 23°44           | 9°11           | 8°12          | 9°59           | 7°30  | W10  |
| T 11 | 1 14 41 | 16°45'40         | 20°37            | 28°27          | 1°14           | 17°58          | 10°29  | 9°12          | 4°48          | 12°38  | 23°43           | 9°D10          | 8° 9          | 10° 6          | 7°29  | T 11 |
| F 12 | 1 18 38 | 17°45'02         | 2 <b>Ω</b> 51    | 0 <b>M</b> 1   | 2° 0           | 18°36          | 10°32  | 9° 9          | 4°50          | 12°39  | 23°43           | 9°R11          | 8° 5          | 10°13          | 7°29  | F 12 |
| S 13 | 1 22 34 | 18°44'27         | 15°24            | 1°35           | 2°45           | 19°13          | 10°36  | 9° 6          | 4°51          | 12°39  | 23°43           | 9°11           | 8° 2          | 10°19          | 7°28  | S 13 |
| S 14 | 1 26 31 | 19°43'54         | 28°20            | 3° 8           | 3°29           | 19°51          | 10°39  | 9° 3          | 4°53          | 12°39  | 23°42           | 9° 9           | 7°59          | 10°26          | 7°28  | S 14 |
| M15  | 1 30 27 | 20°43'23         | 11 Mp 42         | 4°40           | 4°13           | 20°29          | 10°42  | 9° 0          | 4°54          | 12°39  | 23°42           | 9° 5           | 7°56          | 10°33          | 7°28  | M15  |
| T 16 | 1 34 24 | 21°42'54         | 25°32            | 6°11           | 4°55           | 21° 6          | 10°45  | 8°57          | 4°56          | 12°39  | 23°41           | 8°59           | 7°53          | 10°39          | 7°28  | T 16 |
| W17  | 1 38 21 | 22°42'28         | 9 <b>≙</b> 49    | 7°42           | 5°37           | 21°44          | 10°47  | 8°54          | 4°57          | 12°R39 | 23°41           | 8°50           | 7°50          | 10°46          | 7°D28 | W17  |
| T 18 | 1 42 17 | 23°42'03         | 24°26            | 9°12           | 6°17           | 22°22          | 10°50  | 8°52          | 4°59          | 12°39  | 23°40           | 8°39           | 7°46          | 10°53          | 7°28  | T 18 |
| F 19 | 1 46 14 | 24°41'41         | 9 <b>™</b> 18    | 10°42          | 6°56           | 22°59          | 10°52  | 8°49          | 5° 1          | 12°39  | 23°40           | 8°28           | 7°43          | 11° 0          | 7°28  | F 19 |
| S 20 | 1 50 10 | 25°41'21         | 24°15            | 12°10          | 7°34           | 23°37          | 10°54  | 8°47          | 5° 2          | 12°39  | 23°39           | 8°17           | 7°40          | 11° 6          | 7°28  | S 20 |
| S 21 | 1 54 7  | 26°41'02         | 9 <b>,₹</b> 8    | 13°39          | 8°11           | 24°15          | 10°56  | 8°45          | 5° 4          | 12°39  | 23°39           | 8° 8           | 7°37          | 11°13          | 7°28  | S 21 |
| M22  | 1 58 3  | 27°40'45         | 2 <u>3</u> °49   | 15° 6          | 8°47           | 24°52          | 10°58  | 8°42          | 5° 6          | 12°39  | 23°38           | 8° 2           | 7°34          | 11°20          | 7°29  | M22  |
| T 23 | 2 2 0   | 28°40'31         | 8 <b>궁</b> 13    | 16°33          | 9°21           | 25°30          | 10°59  | 8°40          | 5° 8          | 12°38  | 23°38           | 7°59           | 7°31          | 11°26          | 7°29  | T 23 |
| W24  | 2 5 56  | 29°40'17         | 22°17            | 17°59          | 9°54           | 26° 8          | 11° 0  | 8°38          | 5°10          | 12°38  | 23°37           | 7°58           | 7°27          | 11°33          | 7°29  | W24  |
| T 25 | 2 9 53  | 0 <b>M</b> 40'06 | 6≈ 2             | 19°24          | 10°25          | 26°45          | 11° 2  | 8°36          | 5°12          | 12°38  | 23°36           | 7°58           | 7°24          | 11°40          | 7°30  | T 25 |
| F 26 | 2 13 50 | 1°39'56          | 19°28            | 20°49          | 10°55          | 27°23          | 11° 2  | 8°34          | 5°14          | 12°38  | 23°36           | 7°57           | 7°21          | 11°46          | 7°30  | F 26 |
| S 27 | 2 17 46 | 2°39'47          | 2 <b>∺</b> 37    | 22°12          | 11°24          | 28° 0          | 11° 3  | 8°33          | 5°16          | 12°37  | 23°35           | 7°56           | 7°18          | 11°53          | 7°31  | S 27 |
| S 28 | 2 21 43 | 3°39'40          | 15°33            | 23°35          | 11°51          | 28°38          | 11° 4  | 8°31          | 5°18          | 12°37  | 23°34           | 7°51           | 7°15          | 12° 0          | 7°32  | S 28 |
| M29  | 2 25 39 | 4°39'35          | 28°16            | 24°57          | 12°16          | 29°16          | 11° 4  | 8°29          | 5°20          | 12°37  | 23°34           | 7°44           | 7°11          | 12° 6          | 7°32  | M29  |
| T 30 | 2 29 36 | 5°39'32          | 10 <b>Υ</b> 49   | 26°18          | 12°39          | 29°53          | 11°R 4 | 8°28          | <u>5°22</u>   | 12°36  | 23°33           | 7°34           | 7° 8          | 12°13          | 7°33  | T 30 |
| W31  | 2 33 32 | 6 <b>M</b> 39'31 | 23 <b>Y</b> 12   | 27 <b>M</b> 38 | 13 <b>×</b> 1  | 0 <b>ჲ</b> 31  | 1199 4 | 8 <b>∺</b> 27 | 5 <b>る</b> 25 | 12936  | 23 <b>II</b> 32 | 7 <b>Ω</b> 21  | 7 <b>Ω</b> 5  | 12 <b>Ⅱ</b> 20 | 7≈34  | W31  |

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| Day  | Sid.t   | 0                 | D              | ğ              | φ              | ð              | 4      | ħ             | )វ(            | ¥      | В      | ₽.           | ß             | ţ              | o<br>k | Day  |
|------|---------|-------------------|----------------|----------------|----------------|----------------|--------|---------------|----------------|--------|--------|--------------|---------------|----------------|--------|------|
| T 1  | 2 37 29 | 7 <b>M</b> 39'31  | 5 <b>8</b> 27  | 28 <b>M</b> 57 | 13 <b>×</b> 20 | 1₾ 8           | 11°R 4 | 8°R25         | 5 <b>る</b> 27  | 12°R35 | 23°R31 | 7°R 7        | 7 <b>Ω</b> 2  | 12 <b>Ⅲ</b> 27 | 7≈35   | T 1  |
| F 2  | 2 41 25 | 8°39'33           | 17°33          | 0 <b>√</b> 14  | 13°38          | 1°46           | 1199 3 | 8 <b>∺</b> 24 | 5°29           | 12935  | 23耳31  | $6\Omega$ 53 | 6°59          | 12°33          | 7°36   | F 2  |
| S 3  | 2 45 22 | 9°39'37           | 29°32          | 1°31           | 13°54          | 2°23           | 11° 3  | 8°23          | 5°31           | 12°34  | 23°30  | 6°39         | 6°56          | 12°40          | 7°37   | S 3  |
| S 4  | 2 49 18 | 10°39'43          | 11 <b>Ⅱ</b> 26 | 2°45           | 14° 8          | 3° 1           | 11° 2  | 8°22          | 5°34           | 12°33  | 23°29  | 6°27         | 6°52          | 12°47          | 7°39   | S 4  |
| M 5  | 2 53 15 | 11°39'51          | 23°15          | 3°58           | 14°20          | 3°38           | 11° 1  | 8°21          | 5°36           | 12°33  | 23°28  | 6°18         | 6°49          | 12°53          | 7°40   | M 5  |
| T 6  | 2 57 12 | 12°40'02          | 5 <b>95</b> 3  | 5°10           | 14°29          | 4°16           | 10°59  | 8°21          | 5°39           | 12°32  | 23°27  | 6°12         | 6°46          | 13° 0          | 7°41   | T 6  |
| W 7  | 3 1 8   | 13°40'14          | 16°55          | 6°19           | 14°36          | 4°53           | 10°58  | 8°20          | 5°41           | 12°32  | 23°26  | 6° 8         | 6°43          | 13° 7          | 7°42   | W 7  |
| T 8  | 3 5 5   | 14°40'28          | 28°53          | 7°26           | 14°41          | 5°31           | 10°56  | 8°19          | 5°44           | 12°31  | 23°26  | 6° 7         | 6°40          | 13°13          | 7°44   | T 8  |
| F 9  | 3 9 1   | 15°40'44          | 11 <b>Ω</b> 4  | 8°30           | 14°44          | 6° 8           | 10°54  | 8°19          | 5°46           | 12°30  | 23°25  | 6° 7         | 6°37          | 13°20          | 7°45   | F 9  |
| S 10 | 3 12 58 | 16°41'02          | 23°32          | 9°32           | 14°R44         | 6°46           | 10°52  | 8°19          | 5°49           | 12°29  | 23°24  | 6° 7         | 6°33          | 13°27          | 7°47   | S 10 |
| S 11 | 3 16 54 | 17°41'22          | 6 <b>m</b> 23  | 10°30          | 14°42          | 7°23           | 10°50  | 8°18          | 5°52           | 12°28  | 23°23  | 6° 6         | 6°30          | 13°34          | 7°49   | S 11 |
| M12  | 3 20 51 | 18°41'44          | 19°42          | 11°25          | 14°38          | 8° 0           | 10°47  | 8°18          | 5°54           | 12°28  | 23°22  | 6° 2         | 6°27          | 13°40          | 7°50   | M12  |
| T 13 | 3 24 47 | 19°42'08          | 3 <b>₾</b> 30  | 12°16          | 14°31          | 8°38           | 10°45  | 8°D18         | 5°57           | 12°27  | 23°21  | 5°56         | 6°24          | 13°47          | 7°52   | T 13 |
| W14  | 3 28 44 | 20°42'34          | 17°48          | 13° 2          | 14°22          | 9°15           | 10°42  | 8°18          | 6° 0           | 12°26  | 23°20  | 5°48         | 6°21          | 13°54          | 7°54   | W14  |
| T 15 | 3 32 41 | 21°43'01          | 2 <b>M</b> 33  | 13°43          | 14°10          | 9°53           | 10°39  | 8°18          | 6° 3           | 12°25  | 23°19  | 5°37         | 6°17          | 14° 0          | 7°56   | T 15 |
| F 16 | 3 36 37 | 22°43'31          | 17°38          | 14°18          | 13°56          | 10°30          | 10°35  | 8°19          | 6° 5           | 12°24  | 23°18  | 5°26         | 6°14          | 14° 7          | 7°58   | F 16 |
| S 17 | 3 40 34 | 23°44'02          | 2 <b>₹</b> 52  | 14°47          | 13°39          | 11° 7          | 10°32  | 8°19          | 6° 8           | 12°23  | 23°17  | 5°16         | 6°11          | 14°14          | 8° 0   | S 17 |
| S 18 | 3 44 30 | 24°44'35          | 18° 6          | 15° 9          | 13°21          | 11°45          | 10°28  | 8°20          | 6°11           | 12°22  | 23°16  | 5° 7         | 6° 8          | 14°20          | 8° 2   | S 18 |
| M19  | 3 48 27 | 25°45'09          | 3 <b>る</b> 8   | 15°23          | 12°59          | 12°22          | 10°24  | 8°20          | 6°14           | 12°21  | 23°15  | 5° 1         | 6° 5          | 14°27          | 8° 4   | M19  |
| T 20 | 3 52 23 | 26°45'44          | 17°50          | 15°R28         | 12°36          | 12°59          | 10°20  | 8°21          | 6°17           | 12°20  | 23°14  | 4°57         | 6° 2          | 14°34          | 8° 6   | T 20 |
| W21  | 3 56 20 | 27°46'21          | 2≈ 8           | 15°24          | 12°11          | 13°37          | 10°16  | 8°22          | 6°20           | 12°19  | 23°13  | 4°D56        | 5°58          | 14°40          | 8° 8   | W21  |
| T 22 | 4 0 16  | 28°46'59          | 16° 0          | 15°10          | 11°43          | 14°14          | 10°12  | 8°23          | 6°23           | 12°18  | 23°12  | 4°56         | 5°55          | 14°47          | 8°11   | T 22 |
| F 23 | 4 4 13  | 29°47'37          | 29°28          | 14°45          | 11°14          | 14°51          | 10° 7  | 8°24          | 6°26           | 12°17  | 23°11  | 4°R57        | 5°52          | 14°54          | 8°13   | F 23 |
| S 24 | 4 8 10  | 0 <b>∡</b> 148'17 | 12 <b>)</b> 33 | 14°10          | 10°43          | 15°29          | 10° 2  | 8°25          | 6°29           | 12°15  | 23°10  | 4°56         | 5°49          | 15° 1          | 8°16   | S 24 |
| S 25 | 4 12 6  | 1°48'58           | 25°20          | 13°24          | 10°11          | 16° 6          | 9°58   | 8°26          | 6°32           | 12°14  | 23° 9  | 4°53         | 5°46          | 15° 7          | 8°18   | S 25 |
| M26  | 4 16 3  | 2°49'40           | 7 <b>Ƴ</b> 52  | 12°27          | 9°37           | 16°43          | 9°52   | 8°28          | 6°35           | 12°13  | 23° 8  | 4°48         | 5°43          | 15°14          | 8°21   | M26  |
| T 27 | 4 19 59 | 3°50'23           | 20°12          | 11°22          | 9° 2           | 17°20          | 9°47   | 8°29          | 6°39           | 12°12  | 23° 7  | 4°40         | 5°39          | 15°21          | 8°23   | T 27 |
| W28  | 4 23 56 | 4°51'08           | 2823           | 10° 9          | 8°27           | 17°57          | 9°42   | 8°31          | 6°42           | 12°11  | 23° 6  | 4°30         | 5°36          | 15°27          | 8°26   | W28  |
| T 29 | 4 27 52 | 5°51'53           | 14°26          | 8°50           | 7°51           | 18°35          | 9°36   | 8°32          | 6°45           | 12° 9  | 23° 4  | 4°19         | 5°33          | 15°34          | 8°29   | T 29 |
| F 30 | 4 31 49 | 6 <b>₹</b> 152'40 | 26824          | 7 <b>,</b> ₹28 | 7 <b>√</b> 14  | 19 <b>≏</b> 12 | 9931   | 8 <b>)</b> 34 | 6 <b>පි</b> 48 | 1295 8 | 23耳 3  | 4 <b>Ω</b> 7 | 5 <b>Ω</b> 30 | 15 <b>Ⅱ</b> 41 | 8≈31   | F 30 |

Delta T = 7.27 sec

DECEMBER 1906 00:00 UT

| Day  | Sid.t  | 0   | D   | ğ   | φ   | ð   | 4  | ħ  | ) <b>f</b> (   | ¥   | Р  | V   | Ω  | ţ   | ķ  | Day  |
|--|--|---|---|---|---|---|--|--|--|---|--|---|--|---|--|--|
| S 1  | 4 35 45  | 7 <b>∡</b> 153′28   | 8 <b>Ⅱ</b> 17   | 6°R 5   | 6°R38   | 19 <b>≙</b> 49  | 9°R25  | 8 <b>)</b> €36   | 6 <b>ප</b> 51  | 12°R 7  | 23°R 2   | 3°R56   | 5 <b>Ω</b> 27  | 15 <b>Ⅱ</b> 47  | 8≈34   | S 1  |
| S 2<br>M 3<br>T 4<br>W 5                                   | 4 39 42<br>4 43 39<br>4 47 35<br>4 51 32   | 8°54'17<br>9°55'07<br>10°55'58<br>11°56'51  | 20° 8<br>1©58<br>13°48<br>25°42   | 4 <b>√</b> 45<br>3°30<br>2°22<br>1°23                               | 6 <b>√</b> 1<br>5°25<br>4°50<br>4°16                            | 20°26<br>21° 3<br>21°40<br>22°17                            | 9 <b>©</b> 19<br>9°13<br>9°6<br>9°0                  | 8°38<br>8°40<br>8°42<br>8°44                           | 6°55<br>6°58<br>7° 1<br>7° 5                         | 12© 5<br>12° 4<br>12° 3<br>12° 1                            | 23 II 1<br>23° 0<br>22°59<br>22°58                                   | 3 <b>Ω</b> 46<br>3°39<br>3°34<br>3°32                 | 5°23<br>5°20<br>5°17<br>5°14                                 | 15°54<br>16° 1<br>16° 7<br>16°14                            | 8°37<br>8°40<br>8°43<br>8°46                             | S 2<br>M 3<br>T 4<br>W 5                                   |
| T 6<br>F 7<br>S 8  | 4 55 28<br>4 59 25<br>5 3 21   | 12°57'45<br>13°58'40<br>14°59'36  | 7Ω43<br>19°55<br>2m/22  | 0°35<br>29 <b>M</b> 57<br>29°32                                     | 3°43<br>3°11<br>2°41  | 22°55<br>23°32<br>24° 9                                     | 8°53<br>8°47<br>8°40                                 | 8°47<br>8°49<br>8°52                                   | 7° 8<br>7°11<br>7°15                                 | 12° 0<br>11°58<br>11°57                                     | 22°57<br>22°55<br>22°54  | 3°D32<br>3°32<br>3°34                                 | 5°11<br>5° 8<br>5° 4   | 16°21<br>16°28<br>16°34                                     | 8°49<br>8°52<br>8°55                                     | T 6<br>F 7<br>S 8  |
| S 9<br>M10<br>T 11<br>W12<br>T 13<br>F 14<br>S 15          | 5 7 18<br>5 11 14<br>5 15 11<br>5 19 8<br>5 23 4<br>5 27 1<br>5 30 57            | 16° 0'34<br>17° 1'32<br>18° 2'32<br>19° 3'33<br>20° 4'35<br>21° 5'38<br>22° 6'43              | 15° 8<br>28°19<br>11 <b>2</b> 57<br>26° 5<br>10 <b>1</b> 1.40<br>25°38<br>10 <b>₹</b> 51      | 29°17<br>29°D13<br>29°20<br>29°36<br>0🗷 0<br>0°32<br>1°11           | 2°12<br>1°46<br>1°22<br>0°59<br>0°39<br>0°22<br>0° 7            | 24°46<br>25°23<br>26° 0<br>26°37<br>27°14<br>27°51<br>28°28 | 8°33<br>8°26<br>8°19<br>8°11<br>8° 4<br>7°56<br>7°49 | 8°54<br>8°57<br>9° 0<br>9° 3<br>9° 6<br>9° 9           | 7°18<br>7°21<br>7°25<br>7°28<br>7°32<br>7°35<br>7°39 | 11°55<br>11°54<br>11°52<br>11°51<br>11°49<br>11°48<br>11°46 | 22°53<br>22°52<br>22°51<br>22°50<br>22°48<br>22°47<br>22°46          | 3°R35<br>3°34<br>3°31<br>3°27<br>3°21<br>3°14<br>3° 7 | 5° 1<br>4°58<br>4°55<br>4°52<br>4°48<br>4°45<br>4°42         | 16°41<br>16°48<br>16°54<br>17° 1<br>17° 8<br>17°14<br>17°21 | 8°59<br>9°2<br>9°5<br>9°9<br>9°12<br>9°16<br>9°19        | S 9<br>M10<br>T 11<br>W12<br>T 13<br>F 14<br>S 15          |
| S 16<br>M17<br>T 18<br>W19<br>T 20<br>F 21<br>S 22         | 5 34 54<br>5 38 50<br>5 42 47<br>5 46 44<br>5 50 40<br>5 54 37<br>5 58 33        | 23° 7'47<br>24° 8'53<br>25° 9'59<br>26°11'06<br>27°12'13<br>28°13'20<br>29°14'27              | 26°10<br>11♂22<br>26°18<br>10≈51<br>24°57<br>8₩35<br>21°48                                    | 1°57<br>2°47<br>3°43<br>4°42<br>5°46<br>6°52<br>8° 2                | 29M.54<br>29°43<br>29°36<br>29°30<br>29°27<br>29°D27<br>29°29   | 29° 5<br>29°41<br>0M.18<br>0°55<br>1°32<br>2° 9<br>2°45     | 7°41<br>7°34<br>7°26<br>7°18<br>7°10<br>7° 2<br>6°54 | 9°16<br>9°19<br>9°23<br>9°26<br>9°30<br>9°34<br>9°38   | 7°42<br>7°46<br>7°49<br>7°53<br>7°56<br>8° 0<br>8° 4 | 11°45<br>11°43<br>11°41<br>11°40<br>11°38<br>11°36<br>11°35 | 22°45<br>22°44<br>22°42<br>22°41<br>22°40<br>22°39<br>22°38          | 3° 2<br>2°58<br>2°D57<br>2°57<br>2°58<br>3° 0<br>3° 1 | 4°39<br>4°36<br>4°33<br>4°29<br>4°26<br>4°23<br>4°20         | 17°28<br>17°34<br>17°41<br>17°48<br>17°55<br>18° 1<br>18° 8 | 9°23<br>9°26<br>9°30<br>9°34<br>9°37<br>9°41<br>9°45     | S 16<br>M17<br>T 18<br>W19<br>T 20<br>F 21<br>S 22         |
| S 23<br>M24<br>T 25<br>W26<br>T 27<br>F 28<br>S 29<br>S 30 | 6 2 30<br>6 6 26<br>6 10 23<br>6 14 19<br>6 18 16<br>6 22 13<br>6 26 9<br>6 30 6 | 0 <b>ठ</b> 15'34<br>1°16'41<br>2°17'49<br>3°18'57<br>4°20'05<br>5°21'12<br>6°22'21<br>7°23'29 | 4 <b>Υ</b> 37<br>17° 7<br>29°22<br>11 <b>8</b> 26<br>23°23<br>5 <b>I</b> 15<br>17° 5<br>28°55 | 9°14<br>10°28<br>11°44<br>13° 1<br>14°21<br>15°41<br>17° 3<br>18°26 | 29°33<br>29°40<br>29°49<br>0🗷 0<br>0°13<br>0°29<br>0°47<br>1° 6 | 3°22<br>3°59<br>4°36<br>5°12<br>5°49<br>6°25<br>7° 2        | 6°46<br>6°38<br>6°30<br>6°22<br>6°14<br>6° 6<br>5°57 | 9°42<br>9°46<br>9°50<br>9°54<br>9°59<br>10° 3<br>10° 7 | 8° 7<br>8°11<br>8°14<br>8°18<br>8°21<br>8°25<br>8°29 | 11°33<br>11°32<br>11°30<br>11°28<br>11°27<br>11°25<br>11°23 | 22°37<br>22°35<br>22°34<br>22°33<br>22°32<br>22°31<br>22°30<br>22°29 | 3°R 1<br>3° 0<br>2°57<br>2°53<br>2°48<br>2°43<br>2°38 | 4°17<br>4°14<br>4°10<br>4° 7<br>4° 4<br>4° 1<br>3°58<br>3°54 | 18°15<br>18°21<br>18°28<br>18°35<br>18°41<br>18°48<br>18°55 | 9°49<br>9°53<br>9°56<br>10° 0<br>10° 4<br>10° 8<br>10°12 | S 23<br>M24<br>T 25<br>W26<br>T 27<br>F 28<br>S 29<br>S 30 |
| M31  | 6 34 2   | 8 <b>국</b> 24'37  | 109548  | 19 <b>×7</b> 49   | 1 <b>₹</b> 28   | 8 <b>M</b> .15  | 5 <b>9</b> 341                                       | 10 H 17  | 8 <b>පි</b> 36                                       | 119520  | 22 <b>II</b> 27  | 2 <b>0</b> 31   | 3 <b>Ω</b> 51  | 19 <b>I</b> I 8   | 10≈21  | M31  |

Delta T = 7.37 sec

JANUARY 1907 00:00 UT

| Day          | Sid.t              | 0                  | D                      | ğ                    | ·                        | ð              | 4                    | ħ                       | )∤(                     | 并                       | Р                        | n             | Ω             | Ç                        | ķ              | Day          |
|--------------|--------------------|--------------------|------------------------|----------------------|--------------------------|----------------|----------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------|---------------|--------------------------|----------------|--------------|
| T 1          | 6 37 59            | 9 <b>ට</b> 25'45   | 229545                 | 21 🗷 14              | 1 <b>~</b> 51            | 8ML52          | 5°R33                | 10 <b>)</b> (21         | 8 <b>ට</b> 39           | 11°R18                  | 22°R26                   | 2°R29         | 3Ω48          | 19 <b>Ⅱ</b> 15           | 10≈25          | T 1          |
| W 2          | 6 41 55            | 10°26'54           | 4Ω48                   | 22°39                | 2°16                     | 9°28           | 5925                 | 10°26                   | 8°43                    | 119516                  | 22 <b>II</b> 25          | 2°D29         | 3°45          | 19°21                    | 10°29          | W 2          |
| T 3          | 6 45 52            | 11°28'03           | 16°58                  | 24° 6                | 2°43                     | 10° 5          | 5°17                 | 10°31                   | 8°47                    | 11°15                   | 22°24                    | $2\Omega$ 29  | 3°42          | 19°28                    | 10°33          | T 3          |
| F 4          | 6 49 48            | 12°29'11           | 29°19                  | 25°32                | 3°12                     | 10°41          | 5° 9                 | 10°36                   | 8°50                    | 11°13                   | 22°23                    | 2°31          | 3°39          | 19°35                    | 10°37          | F 4          |
| S 5          | 6 53 45            | 13°30'20           | 11 <b>m</b> 53         | 27° 0                | 3°42                     | 11°17          | 5° 1                 | 10°41                   | 8°54                    | 11°11                   | 22°22                    | 2°32          | 3°35          | 19°41                    | 10°42          | S 5          |
| S 6          | 6 57 42            | 14°31'29           | 24°44                  | 28°28                | 4°14                     | 11°54          | 4°53                 | 10°46                   | 8°57                    | 11°10                   | 22°21                    | 2°34          | 3°32          | 19°48                    | 10°46          | S 6          |
| M 7          | 7 1 38             | 15°32'38           | 7 <b>≙</b> 53          | 29°57                | 4°47                     | 12°30          | 4°45                 | 10°51                   | 9° 1                    | 11°8                    | 22°20                    | 2°34          | 3°29          | 19°55                    | 10°50          | M 7          |
| T 8          | 7 5 3 5            | 16°33'48           | 21°24                  | 1 <b>る</b> 26        | 5°22                     | 13° 6          | 4°37                 | 10°56                   | 9° 5                    | 11° 6                   | 22°19                    | 2°R35         | 3°26          | 20° 2                    | 10°55          | T 8          |
| W 9          | 7 9 31             | 17°34'57           | 5 <b>M</b> 18          | 2°56                 | 5°58                     | 13°43          | 4°30                 | 11° 2                   | 9° 8                    | 11° 4                   | 22°18                    | 2°34          | 3°23          | 20° 8                    | 10°59          | W 9          |
| T 10         | 7 13 28            | 18°36'07           | 19°36                  | 4°26                 | 6°36                     | 14°19          | 4°22                 | 11° 7                   | 9°12                    | 11° 3                   | 22°17                    | 2°33          | 3°20          | 20°15                    | 11° 3          | T 10         |
| F 11         | 7 17 24            | 19°37'17           | 4 <b>₹</b> 14          | 5°56                 | 7°15                     | 14°55          | 4°14                 | 11°13                   | 9°15                    | 11° 1                   | 22°16                    | 2°31          | 3°16          | 20°22                    | 11° 8          | F 11         |
| S 12         | 7 21 21            | 20°38'26           | 19° 8                  | 7°28                 | 7°55                     | 15°31          | 4° 7                 | 11°18                   | 9°19                    | 10°59                   | 22°15                    | 2°29          | 3°13          | 20°28                    | 11°12          | S 12         |
| S 13         | 7 25 17            | 21°39'36           | 4 <b>ට</b> 10          | 8°59                 | 8°36                     | 16° 7          | 3°59                 | 11°24                   | 9°22                    | 10°58                   | 22°14                    | 2°28          | 3°10          | 20°35                    | 11°16          | S 13         |
| M14          | 7 29 14            | 22°40'45           | 19°13                  | 10°32                | 9°18                     | 16°43          | 3°52                 | 11°29                   | 9°26                    | 10°56                   | 22°13                    | 2°27          | 3° 7          | 20°42                    | 11°21          | M14          |
| T 15         | 7 33 11            | 23°41'54           | 4≈ 7                   | 12° 4                | 10° 2                    | 17°19          | 3°45                 | 11°35                   | 9°29                    | 10°54                   | 22°12                    | 2°D27         | 3° 4          | 20°48                    | 11°25          | T 15         |
| W16          | 7 37 7             | 24°43'02           | 18°44                  | 13°38                | 10°46                    | 17°55          | 3°37                 | 11°41                   | 9°33                    | 10°53                   | 22°11                    | 2°27          | 3° 1          | 20°55                    | 11°30          | W16          |
| T 17         | 7 41 4             | 25°44'09           | 2 <b></b> ₩59          | 15°11                | 11°32                    | 18°31          | 3°30                 | 11°47                   | 9°36                    | 10°51                   | 22°10                    | 2°28          | 2°57          | 21° 2                    | 11°34          | T 17         |
| F 18         | 7 45 0             | 26°45'16           | 16°48<br>0 <b>⋎</b> 10 | 16°46                | 12°18                    | 19° 7          | 3°24                 | 11°52                   | 9°40<br>9°43            | 10°50                   | 22° 9                    | 2°29          | 2°54<br>2°51  | 21° 8                    | 11°39<br>11°43 | F 18<br>S 19 |
| S 19         | 7 48 57            | 27°46'22           |                        | 18°20                | 13° 5                    | 19°43          | 3°17                 | 11°58                   |                         | 10°48                   | 22° 8                    | 2°29          |               | 21°15                    | _              |              |
| S 20         | 7 52 53            | 28°47'27           | 13° 7                  | 19°56                | 13°54                    | 20°19          | 3°10                 | 12° 4                   | 9°47                    | 10°46                   | 22° 7                    | 2°29          | 2°48          | 21°22                    | 11°48          | S 20         |
| M21          | 7 56 50            | 29°48'31           | 25°42                  | 21°31                | 14°43                    | 20°55          | 3° 3                 | 12°10                   | 9°50                    | 10°45                   | 22° 6                    | 2°R30         | 2°45          | 21°28                    | 11°53          | M21          |
| T 22         | 8 0 46             | 0≈49'34            | 7 <b>8</b> 59          | 23° 8                | 15°32                    | 21°31          | 2°57                 | 12°17                   | 9°54                    | 10°43                   | 22° 5                    | 2°30          | 2°41          | 21°35                    | 11°57          | T 22         |
| W23          | 8 4 43             | 1°50'37            | 20° 2                  | 24°45                | 16°23                    | 22° 6          | 2°51                 | 12°23                   | 9°57                    | 10°42                   | 22° 4                    | 2°30          | 2°38          | 21°42                    | 12° 2          | W23          |
| T 24<br>F 25 | 8 8 40             | 2°51'38            | 1 <b>Ⅱ</b> 57          | 26°22<br>28° 1       | 17°14<br>18° 6           | 22°42          | 2°45                 | 12°29                   | 10° 0<br>10° 4          | 10°40<br>10°39          | 22° 3<br>22° 2           | 2°D30         | 2°35<br>2°32  | 21°48                    | 12° 6          | T 24         |
| S 26         | 8 12 36<br>8 16 33 | 3°52'38<br>4°53'37 | 13°46<br>25°36         | 28° 1<br>29°39       | 18°59                    | 23°18<br>23°53 | 2°39<br>2°33         | 12°35<br>12°42          | 10° 4                   | 10°39<br>10°37          | 22° 2<br>22° 2           | 2°30<br>2°30  | 2°32<br>2°29  | 21°55<br>22° 2           | 12°11<br>12°15 | F 25<br>S 26 |
|              |                    |                    |                        |                      |                          |                |                      |                         |                         |                         |                          |               | _             |                          |                |              |
| S 27         | 8 20 29            | 5°54'36            | 79528                  | 1≈19                 | 19°53                    | 24°29          | 2°27                 | 12°48                   | 10°11                   | 10°35                   | 22° 1                    | 2°30          | 2°26          | 22° 8                    | 12°20          | S 27         |
| M28          | 8 24 26            | 6°55'33            | 19°25                  | 2°59                 | 20°47                    | 25° 4          | 2°22                 | 12°54                   | 10°14                   | 10°34                   | 22° 0                    | 2°31          | 2°22          | 22°15                    | 12°25          | M28          |
| T 29         | 8 28 22            | 7°56'29            | 1031                   | 4°40                 | 21°42                    | 25°40          | 2°16                 | 13° 1                   | 10°17                   | 10°33                   | 21°59                    | 2°R31         | 2°19          | 22°22                    | 12°29          | T 29         |
| W30          | 8 32 19            | 8°57'24            | 13°47                  | 6°21<br>8 <b>≈</b> 3 | 22°37<br>23 <b>×</b> 733 | 26°15          | 2°11<br>2 <b>9</b> 6 | 13° 7<br>13 <b>¥</b> 14 | 10°20<br>10 <b>る</b> 24 | 10°31<br>10 <b>©</b> 30 | 21°58<br>21 <b>II</b> 58 | 2°31          | 2°16          | 22°28<br>22 <b>II</b> 35 | 12°34          | W30          |
| T 31         | 8 36 15            | 9≈58'18            | 26 <b>Ω</b> 14         | 8≈ 3                 | 23 <b>X'</b> 33          | 26M50          | 240 6                | 13大14                   | 10024                   | 105030                  | Z1H28                    | 2 <b>Ω</b> 30 | 2 <b>Ω</b> 13 | 22Щ35                    | 12 <b>≈</b> 38 | T 31         |

Delta T = 7.48 sec

FEBRUARY 1907 00:00 UT

| Day  | Sid.t    | 0                  | D                | ğ             | φ               | ð               | 74    | ħ               | )ұ(            | ¥      | В              | n            | v             | Ç              | ę,    | Day  |
|------|----------|--------------------|------------------|---------------|-----------------|-----------------|-------|-----------------|----------------|--------|----------------|--------------|---------------|----------------|-------|------|
| F 1  | 8 40 12  | 10≈59'12           | 8 <b>m</b> 53    | 9≈46          | 24 <b>×</b> 129 | 27 <b>M</b> 26  | 2°R 1 | 13 <b>)</b> (20 | 10중27          | 10°R28 | 21°R57         | 2°R29        | 2 <b>Ω</b> 10 | 22 <b>∏</b> 42 | 12≈43 | F 1  |
| S 2  | 8 44 9   | 12° 0'04           | 21°45            | 11°29         | 25°26           | 28° 1           | 1956  | 13°27           | 10°30          | 109527 | 21耳56          | $2\Omega$ 28 | 2° 6          | 22°49          | 12°48 | S 2  |
| S 3  | 8 48 5   | 13° 0'55           | 4 <b>₽</b> 51    | 13°14         | 26°24           | 28°36           | 1°52  | 13°34           | 10°33          | 10°25  | 21°56          | 2°26         | 2° 3          | 22°55          | 12°52 | S 3  |
| M 4  | 8 52 2   | 14° 1'46           | 18°11            | 14°59         | 27°22           | 29°11           | 1°47  | 13°40           | 10°36          | 10°24  | 21°55          | 2°25         | 2° 0          | 23° 2          | 12°57 | M 4  |
| T 5  | 8 55 58  | 15° 2'35           | 1 <b>M</b> .46   | 16°44         | 28°20           | 29°46           | 1°43  | 13°47           | 10°40          | 10°23  | 21°54          | 2°24         | 1°57          | 23° 9          | 13° 2 | T 5  |
| W 6  | 8 59 55  | 16° 3'24           | 15°35            | 18°31         | 29°19           | 0 <b>₹</b> 21   | 1°39  | 13°54           | 10°43          | 10°21  | 21°54          | 2°D24        | 1°54          | 23°15          | 13° 6 | W 6  |
| T 7  | 9 3 51   | 17° 4'12           | 29°40            | 20°17         | 0 <b>궁</b> 19   | 0°56            | 1°35  | 14° 1           | 10°46          | 10°20  | 21°53          | 2°24         | 1°51          | 23°22          | 13°11 | T 7  |
| F 8  | 9 7 48   | 18° 4'59           | 13 <b>×</b> 757  | 22° 5         | 1°19            | 1°31            | 1°32  | 14° 8           | 10°49          | 10°19  | 21°52          | 2°25         | 1°47          | 23°29          | 13°15 | F 8  |
| S 9  | 9 11 44  | 19° 5'45           | 28°26            | 23°53         | 2°19            | 2° 6            | 1°28  | 14°15           | 10°52          | 10°18  | 21°52          | 2°26         | 1°44          | 23°35          | 13°20 | S 9  |
| S 10 | 9 15 41  | 20° 6'30           | 13る 2            | 25°42         | 3°19            | 2°41            | 1°25  | 14°22           | 10°55          | 10°16  | 21°51          | 2°28         | 1°41          | 23°42          | 13°25 | S 10 |
| M11  | 9 19 38  | 21° 7'14           | 27°40            | 27°31         | 4°20            | 3°15            | 1°22  | 14°29           | 10°58          | 10°15  | 21°51          | 2°R28        | 1°38          | 23°49          | 13°29 | M11  |
| T 12 | 9 23 34  | 22° 7'56           | 12≈14            | 29°21         | 5°22            | 3°50            | 1°19  | 14°36           | 11° 1          | 10°14  | 21°50          | 2°28         | 1°35          | 23°55          | 13°34 | T 12 |
| W13  | 9 27 31  | 23° 8'37           | 26°38            | 1 <b>)</b> 10 | 6°24            | 4°24            | 1°17  | 14°43           | 11° 4          | 10°13  | 21°50          | 2°27         | 1°32          | 24° 2          | 13°38 | W13  |
| T 14 | 9 31 27  | 24° 9'17           | 10 <b>) (</b> 46 | 3° 0          | 7°26            | 4°59            | 1°14  | 14°50           | 11° 6          | 10°12  | 21°49          | 2°24         | 1°28          | 24° 9          | 13°43 | T 14 |
| F 15 | 9 35 24  | 25° 9'55           | 24°34            | 4°50          | 8°28            | 5°33            | 1°12  | 14°57           | 11° 9          | 10°11  | 21°49          | 2°21         | 1°25          | 24°15          | 13°47 | F 15 |
| S 16 | 9 39 20  | 26°10'32           | 7 <b>Ƴ</b> 59    | 6°39          | 9°31            | 6° 8            | 1°10  | 15° 4           | 11°12          | 10° 9  | 21°48          | 2°17         | 1°22          | 24°22          | 13°52 | S 16 |
| S 17 | 9 43 17  | 27°11'07           | 21° 1            | 8°29          | 10°34           | 6°42            | 1° 8  | 15°11           | 11°15          | 10° 8  | 21°48          | 2°14         | 1°19          | 24°29          | 13°56 | S 17 |
| M18  | 9 47 13  | 28°11'40           | 3 <b>8</b> 41    | 10°17         | 11°37           | 7°16            | 1° 6  | 15°18           | 11°18          | 10° 7  | 21°47          | 2°11         | 1°16          | 24°35          | 14° 1 | M18  |
| T 19 | 9 51 10  | 29°12'11           | 16° 1            | 12° 4         | 12°41           | 7°50            | 1° 5  | 15°25           | 11°20          | 10° 6  | 21°47          | 2° 9         | 1°12          | 24°42          | 14° 5 | T 19 |
| W20  | 9 55 7   | 0 <b>) (</b> 12′40 | 28° 7            | 13°50         | 13°44           | 8°24            | 1° 3  | 15°33           | 11°23          | 10° 5  | 21°47          | 2°D 8        | 1° 9          | 24°49          | 14°10 | W20  |
| T 21 | 9 59 3   | 1°13'08            | 10耳 2            | 15°34         | 14°48           | 8°58            | 1° 2  | 15°40           | 11°26          | 10° 4  | 21°46          | 2° 8         | 1° 6          | 24°55          | 14°14 | T 21 |
| F 22 | 10 3 0   | 2°13'34            | 21°52            | 17°16         | 15°53           | 9°32            | 1° 1  | 15°47           | 11°28          | 10° 3  | 21°46          | 2° 9         | 1° 3          | 25° 2          | 14°19 | F 22 |
| S 23 | 10 6 56  | 3°13'58            | 39542            | 18°55         | 16°57           | 10° 6           | 1° 1  | 15°54           | 11°31          | 10° 3  | 21°46          | 2°11         | 1° 0          | 25° 9          | 14°23 | S 23 |
| S 24 | 10 10 53 | 4°14'20            | 15°35            | 20°30         | 18° 2           | 10°40           | 1° 0  | 16° 2           | 11°33          | 10° 2  | 21°46          | 2°13         | 0°57          | 25°15          | 14°28 | S 24 |
| M25  | 10 14 49 | 5°14'40            | 27°38            | 22° 2         | 19° 7           | 11°13           | 1° 0  | 16° 9           | 11°36          | 10° 1  | 21°45          | 2°R14        | 0°53          | 25°22          | 14°32 | M25  |
| T 26 | 10 18 46 | 6°14'58            | 9 <b>Ω</b> 52    | 23°29         | 20°13           | 11°47           | 1°D 0 | 16°16           | 11°38          | 10° 0  | 21°45          | 2°14         | 0°50          | 25°29          | 14°36 | T 26 |
| W27  | 10 22 42 | 7°15'15            | 22°21            | 24°52         | 21°18           | 12°20           | 1° 0  | 16°23           | 1 <u>1</u> °41 | 9°59   | 21°45          | 2°12         | 0°47          | 25°35          | 14°41 | W27  |
| T 28 | 10 26 39 | 8 <b>)</b> 15'29   | 5Mm, 6           | 26 <b>∺</b> 8 | 22 <b>궁</b> 24  | 12 <b>×</b> 754 | 195 0 | 16 <b>)</b> €31 | 11 <b>る</b> 43 | 9959   | 21 <b>Ⅱ</b> 45 | $2\Omega$ 8  | 0 <b>Ω</b> 44 | 25 <b>Ⅱ</b> 42 | 14≈45 | T 28 |

Delta T = 7.58 sec

MARCH 1907 00:00 UT

| Day          | Sid.t                | 0                    | D   | ğ              | φ                       | ď                      | 4            | ħ              | )Å(            | Ħ,            | Р               | u             | v              | ţ              | 0<br>پ         | Day          |
|--------------|----------------------|----------------------|---|----------------|-------------------------|------------------------|--------------|----------------|----------------|---------------|-----------------|---------------|----------------|----------------|----------------|--------------|
| F 1          | 10 30 36             | 9 <b>∺</b> 15'42     | 18 <b>M</b> ) 7   | 27 <b>米</b> 19 | 23 <b>る</b> 30          | 13 <b>×</b> 727        | 199 1        | 16 <b>∺</b> 38 | 11 <b>る</b> 45 | 9°R58         | 21°R45          | 2°R 3         | 0 <b>Ω</b> 41  | 25 <b>Ⅱ</b> 49 | 14 <b>≈</b> 49 | F 1          |
| S 2          | 10 34 32             | 10°15'53             | 1 <b>≏</b> 23   | 28°22          | 24°36                   | 14° 0                  | 1° 2         | 16°45          | 11°48          | 9 <b>9</b> 57 | 21 <b>II</b> 44 | 1 <b>Ω</b> 57 | 0°38           | 25°55          | 14°54          | S 2          |
| S 3          | 10 38 29             | 11°16'02             | 14°54   | 29°18          | 25°42                   | 14°33                  | 1° 2         | 16°53          | 11°50          | 9°57          | 21°44           | 1°50          | 0°34           | 26° 2          | 14°58          | S 3          |
| M 4          | 10 42 25             | 12°16'10             | 28°36   | 0 <b>Υ</b> 6   | 26°49                   | 15° 6                  | 1° 4         | 17° 0          | 11°52          | 9°56          | 21°44           | 1°44          | 0°31           | 26° 9          | 15° 2          | M 4          |
| T 5          | 10 46 22             | 13°16'16             | 12M28   | 0°45           | 27°55                   | 15°39                  | 1° 5         | 17° 8          | 11°54          | 9°55          | 21°44           | 1°39          | 0°28           | 26°15          | 15° 6          | T 5          |
| W 6          | 10 50 18             | 14°16'20             | 26°27   | 1°16           | 29° 2                   | 16°12                  | 1° 6         | 17°15          | 11°56          | 9°55          | 21°44           | 1°35          | 0°25           | 26°22          | 15°11          | W 6          |
| T 7<br>F 8   | 10 54 15             | 15°16'23             | 10 <b>∡</b> 31<br>24°39   | 1°38<br>1°51   | 0 <b>≈</b> 9<br>1°16    | 16°44<br>17°17         | 1° 8<br>1°10 | 17°22<br>17°30 | 11°58<br>12° 1 | 9°54<br>9°54  | 21°D44<br>21°44 | 1°D34<br>1°34 | 0°22           | 26°29          | 15°15<br>15°19 | T 7<br>F 8   |
| F 8          | 10 58 11<br>11 2 8   | 16°16'24<br>17°16'24 | 8 <b>건</b> 50   | 1°R55          | 2°24                    | 17°17<br>17°49         | 1°10         | 17°30<br>17°37 | 12° 1          | 9°53          | 21°44<br>21°44  | 1°34<br>1°35  | 0°18<br>0°15   | 26°35<br>26°42 | 15°19          | F 8          |
|              |                      |                      |   |                |                         |                        |              |                | _              |               |                 |               |                | -              |                |              |
| S 10         | 11 6 5               | 18°16'23             | 23° 1   | 1°50           | 3°31                    | 18°22                  | 1°14         | 17°44          | 12° 4          | 9°53          | 21°44           | 1°36          | 0°12           | 26°49          | 15°27          | S 10         |
| M11<br>T 12  | 11 10 1<br>11 13 58  | 19°16'19<br>20°16'14 | 7 <b>≈</b> 11<br>21°17  | 1°36<br>1°15   | 4°39<br>5°47            | 18°54<br>19°26         | 1°17<br>1°19 | 17°52<br>17°59 | 12° 6<br>12° 8 | 9°53<br>9°52  | 21°44<br>21°44  | 1°R37<br>1°35 | 0° 9<br>0° 6   | 26°55<br>27° 2 | 15°31<br>15°35 | M11<br>T 12  |
| W13          | 11 13 38             | 20°16'14<br>21°16'07 | 5 <b>H</b> 16   | 0°45           | 6°55                    | 19°26<br>19°58         | 1°19         | 17°39<br>18° 7 | 12° 8          | 9°52          | 21°44<br>21°45  | 1°33          | 0° 3           | 27° 2          | 15°35<br>15°39 | W13          |
| T 14         | 11 17 54             | 21°10'07<br>22°15'58 | 19° 4   | 0° 8           | 8° 3                    | 20°30                  | 1°25         | 18°14          | 12°12          | 9°52          | 21°45           | 1°24          | 29959          | 27°15          | 15°43          | T 14         |
| F 15         | 11 25 47             | 23°15'47             | 2 <b>Υ</b> 37   | 29 <b>¥</b> 26 | 9°11                    | 21° 2                  | 1°28         | 18°21          | 12°14          | 9°51          | 21°45           | 1°16          | 29°56          | 27°22          | 15°47          | F 15         |
| S 16         | 11 29 44             | 24°15'34             | 15°53   | 28°38          | 10°19                   | 21°33                  | 1°32         | 18°29          | 12°15          | 9°51          | 21°45           | 1° 7          | 29°53          | 27°29          | 15°51          | S 16         |
| S 17         | 11 33 40             | 25°15'19             | 28°51   | 27°47          | 11°28                   | 22° 5                  | 1°35         | 18°36          | 12°17          | 9°51          | 21°45           | 0°57          | 29°50          | 27°35          | 15°54          | S 17         |
| M18          | 11 37 37             | 26°15'02             | 11829   | 26°53          | 12°36                   | 22°36                  | 1°39         | 18°43          | 12°18          | 9°51          | 21°45           | 0°48          | 29°47          | 27°42          | 15°58          | M18          |
| T 19         | 11 41 33             | 27°14'43             | 23°50   | 25°58          | 13°45                   | 23° 7                  | 1°43         | 18°51          | 12°20          | 9°51          | 21°46           | 0°41          | 29°43          | 27°49          | 16° 2          | T 19         |
| W20          | 11 45 30             | 28°14'21             | 5 <b>Ⅱ</b> 56   | 25° 2          | 14°53                   | 23°38                  | 1°47         | 18°58          | 12°21          | 9°51          | 21°46           | 0°36          | 29°40          | 27°55          | 16° 6          | W20          |
| T 21         | 11 49 27             | 29°13'58             | 17°52   | 24° 8          | 16° 2                   | 24° 9                  | 1°51         | 19° 5          | 12°23          | 9°50          | 21°46           | 0°33          | 29°37          | 28° 2          | 16° 9          | T 21         |
| F 22         | 11 53 23             | 0 <b>Υ</b> 13'31     | 29°42   | 23°15          | 17°11                   | 24°40                  | 1°56         | 19°13          | 12°24          | 9°D50         | 21°47           | 0°D32         | 29°34          | 28° 9          | 16°13          | F 22         |
| S 23         | 11 57 20             | 1°13'03              | 119532  | 22°25          | 18°20                   | 25°10                  | 2° 0         | 19°20          | 12°26          | 9°50          | 21°47           | 0°33          | 29°31          | 28°15          | 16°16          | S 23         |
| S 24         | 12 116               | 2°12'33              | 23°26   | 21°39          | 19°29                   | 25°40                  | 2° 5         | 19°27          | 12°27          | 9°50          | 21°47           | 0°34          | 29°28          | 28°22          | 16°20          | S 24         |
| M25          | 12 5 13              | 3°12'00              | 5 <b>Ω</b> 30   | 20°58          | 20°39                   | 26°11                  | 2°10         | 19°35          | 12°28          | 9°51          | 21°48           | 0°R34         | 29°24          | 28°29          | 16°23          | M25          |
| T 26         | 12 9 9               | 4°11'24              | 17°49   | 20°21          | 21°48                   | 26°41                  | 2°15         | 19°42          | 12°29          | 9°51          | 21°48           | 0°32          | 29°21          | 28°35          | 16°27          | T 26         |
| W27          | 12 13 6              | 5°10'47              | 0 Mp 26   | 19°50          | 22°57                   | 27°11                  | 2°21         | 19°49          | 12°30          | 9°51          | 21°49           | 0°28          | 29°18          | 28°42          | 16°30          | W27          |
| T 28         | 12 17 2              | 6°10'07              | 13°25   | 19°25          | 24° 7                   | 27°40                  | 2°26         | 19°56          | 12°32          | 9°51<br>9°51  | 21°49           | 0°22          | 29°15<br>29°12 | 28°49<br>28°55 | 16°34<br>16°37 | T 28<br>F 29 |
| F 29<br>S 30 | 12 20 59<br>12 24 56 | 7° 9'25<br>8° 8'41   | 26°45<br>10 <b>₽</b> 25   | 19° 5<br>18°51 | 25°17<br>26°26          | 28°10<br>28°39         | 2°32<br>2°37 | 20° 3<br>20°11 | 12°33<br>12°34 | 9°51<br>9°51  | 21°49<br>21°50  | 0°13<br>0° 3  | 29°12<br>29° 9 | 28°55<br>29° 2 | 16°37<br>16°40 | S 30         |
| S 31         | 12 24 30             | 9 <b>Υ</b> 7'55      | 24 <u>\mathbb{\max}\max}\max\max}\max\max\max\max\max\max\max\max\max\max</u> | 18 <b>¥</b> 43 | 20 20<br>27 <b>≈</b> 36 | 20 39<br>29 <b>x</b> 9 | 29643        | 20 H 18        | 12 34          | 9952          | 21 <b>I</b> I51 | 29951         | 29 9           | 29 I 9         | 16×44          | S 31         |
| 3 31         | 12 20 32             | 9 I / 33             | 24 <b>==</b> 23   | 10八43          | ∠/≈>30                  | ∠9 <b>x</b> . 9        | <u> د49</u>  | ∠0π1δ          | 12033          | 95032         | 41 <b>11</b> 31 | ا (وقع 42     | 2950 2         | ∠9Д 9          | 10~~44         | 331          |

Delta T = 7.67 sec

APRIL 1907 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ                | φ             | ď              | 4     | ħ              | )f(            | ¥      | Р               | u      | v      | Ç     | ę,             | Day  |
|------|----------|------------------|-----------------|------------------|---------------|----------------|-------|----------------|----------------|--------|-----------------|--------|--------|-------|----------------|------|
| M 1  | 12 32 49 | 10 <b>Y</b> 7'07 | 8 <b>M</b> .33  | 18°D41           | 28≈46         | 29 <b>~</b> 38 | 29549 | 20 <b>)</b> 25 | 12 <b>る</b> 35 | 9952   | 21 <b>Ⅱ</b> 51  | 29°R41 | 2995 2 | 29∏15 | 16≈47          | M 1  |
| T 2  | 12 36 45 | 11° 6'17         | 22°51           | 18 <b>) (</b> 44 | 29°56         | 0중 7           | 2°56  | 20°32          | 12°36          | 9°52   | 21°52           | 29932  | 28°59  | 29°22 | 16°50          | T 2  |
| W 3  | 12 40 42 | 12° 5'26         | 7 <b>.</b> ₹10  | 18°53            | 1 <b>)</b> 6  | 0°35           | 3° 2  | 20°39          | 12°37          | 9°53   | 21°52           | 29°25  | 28°56  | 29°29 | 16°53          | W 3  |
| T 4  | 12 44 38 | 13° 4'32         | 21°28           | 19° 7            | 2°16          | 1° 4           | 3° 9  | 20°46          | 12°38          | 9°53   | 21°53           | 29°21  | 28°53  | 29°35 | 16°56          | T 4  |
| F 5  | 12 48 35 | 14° 3'37         | 5 <b>る</b> 40   | 19°26            | 3°26          | 1°32           | 3°15  | 20°53          | 12°39          | 9°54   | 21°53           | 29°20  | 28°49  | 29°42 | 16°59          | F 5  |
| S 6  | 12 52 31 | 15° 2'41         | 19°46           | 19°49            | 4°36          | 2° 0           | 3°22  | 21° 0          | 12°39          | 9°54   | 21°54           | 29°D19 | 28°46  | 29°49 | 17° 2          | S 6  |
| S 7  | 12 56 28 | 16° 1'42         | 3≈43            | 20°17            | 5°46          | 2°28           | 3°29  | 21° 7          | 12°40          | 9°55   | 21°55           | 29°R19 | 28°43  | 29°55 | 17° 5          | S 7  |
| M 8  | 13 0 25  | 17° 0'42         | 17°33           | 20°50            | 6°57          | 2°55           | 3°36  | 21°14          | 12°40          | 9°55   | 21°55           | 29°18  | 28°40  | 095 2 | 17° 8          | M 8  |
| T 9  | 13 421   | 17°59'39         | 1 <b>) (</b> 15 | 21°27            | 8° 7          | 3°23           | 3°43  | 21°21          | 12°41          | 9°56   | 21°56           | 29°15  | 28°37  | 0° 9  | 17°10          | T 9  |
| W10  | 13 8 18  | 18°58'36         | 14°48           | 22° 7            | 9°18          | 3°50           | 3°51  | 21°28          | 12°41          | 9°56   | 21°57           | 29° 9  | 28°34  | 0°15  | 17°13          | W10  |
| T 11 | 13 12 14 | 19°57'30         | 28°11           | 22°51            | 10°28         | 4°17           | 3°58  | 21°35          | 12°42          | 9°57   | 21°58           | 29° 0  | 28°30  | 0°22  | 17°16          | T 11 |
| F 12 | 13 16 11 | 20°56'22         | 11 <b>Y</b> 23  | 23°39            | 11°39         | 4°43           | 4° 6  | 21°41          | 12°42          | 9°58   | 21°58           | 28°49  | 28°27  | 0°29  | 17°19          | F 12 |
| S 13 | 13 20 7  | 21°55'12         | 24°21           | 24°30            | 12°49         | 5°10           | 4°14  | 21°48          | 12°42          | 9°58   | 21°59           | 28°36  | 28°24  | 0°35  | 17°21          | S 13 |
| S 14 | 13 24 4  | 22°54'00         | 7 <b>と</b> 5    | 25°24            | 14° 0         | 5°36           | 4°22  | 21°55          | 12°42          | 9°59   | 22° 0           | 28°22  | 28°21  | 0°42  | 17°24          | S 14 |
| M15  | 13 28 0  | 23°52'47         | 19°34           | 26°22            | 15°11         | 6° 2           | 4°30  | 22° 1          | 12°43          | 10° 0  | 22° 1           | 28°10  | 28°18  | 0°49  | 17°26          | M15  |
| T 16 | 13 31 57 | 24°51'31         | 1 <b>Ⅱ</b> 50   | 27°22            | 16°22         | 6°27           | 4°38  | 22° 8          | 12°43          | 10° 1  | 22° 1           | 27°59  | 28°14  | 0°55  | 17°28          | T 16 |
| W17  | 13 35 54 | 25°50'13         | 13°53           | 28°25            | 17°32         | 6°53           | 4°46  | 22°15          | 12°43          | 10° 2  | 22° 2           | 27°51  | 28°11  | 1° 2  | 17°31          | W17  |
| T 18 | 13 39 50 | 26°48'53         | 25°47           | 29°30            | 18°43         | 7°18           | 4°55  | 22°21          | 12°R43         | 10° 3  | 22° 3           | 27°46  | 28° 8  | 1° 9  | 17°33          | T 18 |
| F 19 | 13 43 47 | 27°47'31         | 7936            | o <b>Υ</b> 38    | 19°54         | 7°42           | 5° 4  | 22°28          | 12°43          | 10° 3  | 22° 4           | 27°43  | 28° 5  | 1°15  | 17°35          | F 19 |
| S 20 | 13 47 43 | 28°46'07         | 19°24           | 1°48             | 21° 5         | 8° 7           | 5°12  | 22°34          | 12°43          | 10° 4  | 22° 5           | 27°42  | 28° 2  | 1°22  | 17°38          | S 20 |
| S 21 | 13 51 40 | 29°44'40         | 1 <b>Ω</b> 17   | 3° 1             | 22°16         | 8°31           | 5°21  | 22°41          | 12°43          | 10° 5  | 22° 6           | 27°42  | 27°59  | 1°29  | 17°40          | S 21 |
| M22  | 13 55 36 | 0 <b>8</b> 43'11 | 13°21           | 4°16             | 23°27         | 8°55           | 5°30  | 22°47          | 12°42          | 10° 6  | 22° 7           | 27°42  | 27°55  | 1°35  | 17°42          | M22  |
| T 23 | 13 59 33 | 1°41'40          | 25°40           | 5°34             | 24°38         | 9°18           | 5°39  | 22°53          | 12°42          | 10° 7  | 22° 8           | 27°40  | 27°52  | 1°42  | 17°44          | T 23 |
| W24  | 14 3 29  | 2°40'07          | 8 Mp 20         | 6°53             | 25°49         | 9°41           | 5°48  | 23° 0          | 12°42          | 10° 8  | 22° 9           | 27°36  | 27°49  | 1°49  | 17°46          | W24  |
| T 25 | 14 7 26  | 3°38'32          | 21°24           | 8°14             | 27° 1         | 10° 4          | 5°57  | 23° 6          | 12°42          | 10°10  | 22°10           | 27°30  | 27°46  | 1°55  | 17°48          | T 25 |
| F 26 | 14 11 22 | 4°36'55          | 4 <b>Ω</b> 55   | 9°38             | 28°12         | 10°27          | 6° 7  | 23°12          | 12°41          | 10°11  | 22°11           | 27°21  | 27°43  | 2° 2  | 17°49          | F 26 |
| S 27 | 14 15 19 | 5°35'15          | 18°50           | 11° 3            | 29°23         | 10°49          | 6°16  | 23°18          | 12°41          | 10°12  | 22°12           | 27°10  | 27°40  | 2° 9  | 17°51          | S 27 |
| S 28 | 14 19 16 | 6°33'34          | 3M 8            | 12°31            | 0 <b>Υ</b> 34 | 11°11          | 6°26  | 23°24          | 12°40          | 10°13  | 22°13           | 26°59  | 27°36  | 2°15  | 17°53          | S 28 |
| M29  | 14 23 12 | 7°31'51          | 17°43           | 14° 0            | 1°46          | 11°32          | 6°36  | 23°30          | 12°40          | 10°14  | 22°14           | 26°47  | 27°33  | 2°22  | 17°55          | M29  |
| T 30 | 14 27 9  | 8 <b>8</b> 30'07 | 2 <b>₹</b> 26   | 15 <b>Y</b> 32   | 2 <b>Y</b> 57 | 11 <b>る</b> 53 | 69945 | 23 <b>米</b> 36 | 12 <b>る</b> 39 | 109515 | 22 <b>II</b> 15 | 26938  | 27930  | 29529 | 17 <b>≈</b> 56 | T 30 |

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|------|----------|------------------|------------------|----------------|-------------|----------------|-------|----------------|----------------|--------|-----------------|--------|--------|---------------|----------------|------|
| W 1  | 14 31 5  | 9828'20          | 17 <b>,7</b> 11  | 17 <b>Y</b> 5  | <b>4Υ</b> 8 | 12 <b>る</b> 14 | 6955  | 23 <b>)</b> 42 | 12°R39         | 109517 | 22 <b>I</b> I16 | 26°R31 | 279527 | 2935          | 17 <b>≈</b> 58 | W 1  |
| T 2  | 14 35 2  | 10°26'33         | 1 <b>る</b> 50    | 18°40          | 5°20        | 12°34          | 7° 5  | 23°48          | 12 <b>る</b> 38 | 10°18  | 22°17           | 269527 | 27°24  | 2°42          | 17°59          | T 2  |
| F 3  | 14 38 58 | 11°24'43         | 16°18            | 20°17          | 6°31        | 12°54          | 7°15  | 23°54          | 12°37          | 10°19  | 22°18           | 26°25  | 27°20  | 2°48          | 18° 0          | F 3  |
| S 4  | 14 42 55 | 12°22'53         | 0≈31             | 21°56          | 7°43        | 13°14          | 7°26  | 24° 0          | 12°36          | 10°21  | 22°19           | 26°D25 | 27°17  | 2°55          | 18° 2          | S 4  |
| S 5  | 14 46 51 | 13°21'00         | 14°29            | 23°37          | 8°54        | 13°33          | 7°36  | 24° 5          | 12°36          | 10°22  | 22°20           | 26°R25 | 27°14  | 3° 2          | 18° 3          | S 5  |
| M 6  | 14 50 48 | 14°19'07         | 28°12            | 25°20          | 10° 6       | 13°51          | 7°46  | 24°11          | 12°35          | 10°23  | 22°22           | 26°24  | 27°11  | 3° 8          | 18° 4          | M 6  |
| T 7  | 14 54 45 | 15°17'12         | 11 <b>) (</b> 40 | 27° 4          | 11°17       | 14°10          | 7°57  | 24°16          | 12°34          | 10°25  | 22°23           | 26°21  | 27° 8  | 3°15          | 18° 5          | T 7  |
| W 8  | 14 58 41 | 16°15'15         | 24°54            | 28°51          | 12°29       | 14°27          | 8° 7  | 24°22          | 12°33          | 10°26  | 22°24           | 26°16  | 27° 5  | 3°22          | 18° 7          | W 8  |
| T 9  | 15 2 38  | 17°13'18         | 7 <b>Y</b> 56    | 0 <b>8</b> 39  | 13°41       | 14°45          | 8°18  | 24°27          | 12°32          | 10°28  | 22°25           | 26° 9  | 27° 1  | 3°28          | 18° 8          | T 9  |
| F 10 | 15 6 34  | 18°11'18         | 20°47            | 2°29           | 14°52       | 15° 1          | 8°29  | 24°33          | 12°31          | 10°29  | 22°26           | 25°58  | 26°58  | 3°35          | 18° 8          | F 10 |
| S 11 | 15 10 31 | 19° 9'18         | 3 <b>8</b> 25    | 4°22           | 16° 4       | 15°18          | 8°40  | 24°38          | 12°30          | 10°31  | 22°27           | 25°47  | 26°55  | 3°42          | 18° 9          | S 11 |
| S 12 | 15 14 27 | 20° 7'15         | 15°52            | 6°16           | 17°16       | 15°33          | 8°51  | 24°43          | 12°29          | 10°32  | 22°29           | 25°35  | 26°52  | 3°48          | 18°10          | S 12 |
| M13  | 15 18 24 | 21° 5'12         | 28° 8            | 8°12           | 18°27       | 15°49          | 9° 2  | 24°49          | 12°27          | 10°34  | 22°30           | 25°24  | 26°49  | 3°55          | 18°11          | M13  |
| T 14 | 15 22 20 | 22° 3'07         | 10 <b>Ⅱ</b> 14   | 10°10          | 19°39       | 16° 3          | 9°13  | 24°54          | 12°26          | 10°35  | 22°31           | 25°14  | 26°46  | 4° 2          | 18°12          | T 14 |
| W15  | 15 26 17 | 23° 1'00         | 22°11            | 12° 9          | 20°51       | 16°17          | 9°24  | 24°59          | 12°25          | 10°37  | 22°32           | 25° 7  | 26°42  | 4° 8          | 18°12          | W15  |
| T 16 | 15 30 14 | 23°58'52         | 499 1            | 14°11          | 22° 3       | 16°31          | 9°35  | 25° 4          | 12°24          | 10°39  | 22°34           | 25° 2  | 26°39  | 4°15          | 18°13          | T 16 |
| F 17 | 15 34 10 | 24°56'42         | 15°48            | 16°14          | 23°15       | 16°44          | 9°46  | 25° 9          | 12°22          | 10°40  | 22°35           | 25° 0  | 26°36  | 4°22          | 18°13          | F 17 |
| S 18 | 15 38 7  | 25°54'30         | 27°36            | 18°18          | 24°26       | 16°57          | 9°58  | 25°13          | 12°21          | 10°42  | 22°36           | 25°D 0 | 26°33  | 4°28          | 18°14          | S 18 |
| S 19 | 15 42 3  | 26°52'17         | 9 <b>Ω</b> 28    | 20°25          | 25°38       | 17° 9          | 10° 9 | 25°18          | 12°19          | 10°44  | 22°37           | 25° 0  | 26°30  | 4°35          | 18°14          | S 19 |
| M20  | 15 46 0  | 27°50'02         | 21°31            | 22°32          | 26°50       | 17°20          | 10°21 | 25°23          | 12°18          | 10°45  | 22°39           | 25° 1  | 26°26  | 4°42          | 18°14          | M20  |
| T 21 | 15 49 56 | 28°47'45         | 3 <b>m</b> 49    | 24°41          | 28° 2       | 17°31          | 10°32 | 25°27          | 12°16          | 10°47  | 22°40           | 25°R 1 | 26°23  | 4°48          | 18°15          | T 21 |
| W22  | 15 53 53 | 29°45'27         | 16°27            | 26°51          | 29°14       | 17°41          | 10°44 | 25°32          | 12°15          | 10°49  | 22°41           | 25° 0  | 26°20  | 4°55          | 18°15          | W22  |
| T 23 | 15 57 49 | 0 <b>Ⅱ</b> 43'07 | 29°30            | 29° 2          | 0826        | 17°51          | 10°56 | 25°36          | 12°13          | 10°51  | 22°43           | 24°56  | 26°17  | 5° 2          | 18°15          | T 23 |
| F 24 | 16 1 46  | 1°40'46          | 13 <b>º</b> 1    | 1 <b>I</b> I13 | 1°38        | 17°59          | 11° 8 | 25°41          | 12°12          | 10°52  | 22°44           | 24°51  | 26°14  | 5° 8          | 18°R15         | F 24 |
| S 25 | 16 5 43  | 2°38'23          | 27° 0            | 3°25           | 2°50        | 18° 8          | 11°19 | 25°45          | 12°10          | 10°54  | 22°45           | 24°44  | 26°11  | 5°15          | 18°15          | S 25 |
| S 26 | 16 9 39  | 3°35'59          | 11 <b>M</b> 26   | 5°37           | 4° 2        | 18°15          | 11°31 | 25°49          | 12° 8          | 10°56  | 22°47           | 24°36  | 26° 7  | 5°22          | 18°15          | S 26 |
| M27  | 16 13 36 | 4°33'33          | 26°13            | 7°48           | 5°14        | 18°22          | 11°43 | 25°54          | 12° 7          | 10°58  | 22°48           | 24°28  | 26° 4  | 5°28          | 18°15          | M27  |
| T 28 | 16 17 32 | 5°31'07          | 11 <b>~</b> 13   | 10° 0          | 6°26        | 18°29          | 11°55 | 25°58          | 12° 5          | 11° 0  | 22°49           | 24°22  | 26° 1  | 5°35          | 18°14          | T 28 |
| W29  | 16 21 29 | 6°28'39          | 26°18            | 12°10          | 7°38        | 18°34          | 12° 7 | 26° 2          | 12° 3          | 11° 2  | 22°51           | 24°17  | 25°58  | 5°42          | 18°14          | W29  |
| T 30 | 16 25 25 | 7°26'10          | 11 <b>조</b> 18   | 14°19          | 8°50        | 18°39          | 12°20 | 26° 5          | 12° 1          | 11° 4  | 22°52           | 24°15  | 25°55  | 5°48          | 18°14          | T 30 |
| F 31 | 16 29 22 | 8 <b>Ⅱ</b> 23'41 | 26 <b>궁</b> 5    | 16Ⅱ28          | 108 3       | 18 <b>전</b> 44 | 12932 | 26 <b>米</b> 9  | 11 <b>る</b> 59 | 1199 6 | 22 <b>∏</b> 54  | 24°D14 | 25952  | 5 <b>9</b> 55 | 18 <b>≈</b> 13 | F 31 |

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|------|----------|------------------|----------------|-----------------|----------------|-----------------|--------|----------------|----------------|--------|-----------------|--------|--------|--------------|----------------|------|
| S 1  | 16 33 19 | 9 <b>Ⅱ</b> 21'10 | 10≈34          | 18 <b>Ⅱ</b> 34  | 11 <b>8</b> 15 | 18 <b>ප්</b> 47 | 129544 | 26 <b>米</b> 13 | 11°R58         | 1195 8 | 22 <b>II</b> 55 | 249915 | 259648 | 6 <b>9</b> 2 | 18°R13         | S 1  |
| S 2  | 16 37 15 | 10°18'39         | 24°42          | 20°40           | 12°27          | 18°50           | 12°56  | 26°17          | 11 <b>る</b> 56 | 11° 9  | 22°56           | 24°16  | 25°45  | 6° 8         | 18≈12          | S 2  |
| M 3  | 16 41 12 | 11°16'07         | 8 <b>∺</b> 28  | 22°43           | 13°39          | 18°52           | 13° 9  | 26°20          | 11°54          | 11°11  | 22°58           | 24°R17 | 25°42  | 6°15         | 18°12          | M 3  |
| T 4  | 16 45 8  | 12°13'34         | 21°54          | 24°44           | 14°51          | 18°53           | 13°21  | 26°24          | 11°52          | 11°13  | 22°59           | 24°16  | 25°39  | 6°21         | 18°11          | T 4  |
| W 5  | 16 49 5  | 13°11'01         | 5 <b>Υ</b> 0   | 26°43           | 16° 4          | 18°R54          | 13°34  | 26°27          | 11°50          | 11°15  | 23° 0           | 24°14  | 25°36  | 6°28         | 18°10          | W 5  |
| T 6  | 16 53 1  | 14° 8'27         | 17°50          | 28°40           | 17°16          | 18°54           | 13°46  | 26°31          | 11°48          | 11°17  | 23° 2           | 24°10  | 25°32  | 6°35         | 18°10          | T 6  |
| F 7  | 16 56 58 | 15° 5'52         | 0 <b>8</b> 25  | 0ഇ35            | 18°28          | 18°53           | 13°59  | 26°34          | 11°46          | 11°20  | 23° 3           | 24° 5  | 25°29  | 6°41         | 18° 9          | F 7  |
| S 8  | 17 0 54  | 16° 3'16         | 12°48          | 2°27            | 19°41          | 18°51           | 14°11  | 26°37          | 11°43          | 11°22  | 23° 5           | 23°59  | 25°26  | 6°48         | 18° 8          | S 8  |
| S 9  | 17 4 51  | 17° 0'40         | 25° 0          | 4°16            | 20°53          | 18°49           | 14°24  | 26°40          | 11°41          | 11°24  | 23° 6           | 23°52  | 25°23  | 6°55         | 18° 7          | S 9  |
| M10  | 17 8 47  | 17°58'04         | 7 <b>I</b> I 4 | 6° 4            | 22° 5          | 18°45           | 14°37  | 26°43          | 11°39          | 11°26  | 23° 7           | 23°46  | 25°20  | 7° 1         | 18° 6          | M10  |
| T 11 | 17 12 44 | 18°55'26         | 19° 0          | 7°48            | 23°18          | 18°41           | 14°49  | 26°46          | 11°37          | 11°28  | 23° 9           | 23°40  | 25°17  | 7° 8         | 18° 5          | T 11 |
| W12  | 17 16 41 | 19°52'48         | 0951           | 9°31            | 24°30          | 18°37           | 15° 2  | 26°49          | 11°35          | 11°30  | 23°10           | 23°37  | 25°13  | 7°15         | 18° 4          | W12  |
| T 13 | 17 20 37 | 20°50'09         | 12°39          | 11°10           | 25°43          | 18°31           | 15°15  | 26°51          | 11°33          | 11°32  | 23°12           | 23°34  | 25°10  | 7°21         | 18° 2          | T 13 |
| F 14 | 17 24 34 | 21°47'29         | 24°25          | 12°47           | 26°55          | 18°25           | 15°28  | 26°54          | 11°30          | 11°34  | 23°13           | 23°D34 | 25° 7  | 7°28         | 18° 1          | F 14 |
| S 15 | 17 28 30 | 22°44'49         | 6 <b>Ω</b> 14  | 14°22           | 28° 8          | 18°18           | 15°41  | 26°56          | 11°28          | 11°36  | 23°15           | 23°35  | 25° 4  | 7°35         | 18° 0          | S 15 |
| S 16 | 17 32 27 | 23°42'08         | 18° 9          | 15°53           | 29°20          | 18°10           | 15°54  | 26°59          | 11°26          | 11°38  | 23°16           | 23°36  | 25° 1  | 7°41         | 17°58          | S 16 |
| M17  | 17 36 23 | 24°39'25         | 0 <b>m</b> 13  | 17°22           | 0Д33           | 18° 2           | 16° 7  | 27° 1          | 11°24          | 11°41  | 23°17           | 23°38  | 24°58  | 7°48         | 17°57          | M17  |
| T 18 | 17 40 20 | 25°36'42         | 12°31          | 18°49           | 1°45           | 17°53           | 16°20  | 27° 3          | 11°21          | 11°43  | 23°19           | 23°39  | 24°54  | 7°55         | 17°55          | T 18 |
| W19  | 17 44 17 | 26°33'59         | 25° 8          | 20°13           | 2°58           | 17°43           | 16°33  | 27° 5          | 11°19          | 11°45  | 23°20           | 23°R40 | 24°51  | 8° 1         | 17°54          | W19  |
| T 20 | 17 48 13 | 27°31'14         | 8 <b>요</b> 7   | 21°34           | 4°10           | 17°33           | 16°46  | 27° 7          | 11°17          | 11°47  | 23°22           | 23°39  | 24°48  | 8° 8         | 17°52          | T 20 |
| F 21 | 17 52 10 | 28°28'28         | 21°33          | 22°52           | 5°23           | 17°22           | 16°59  | 27° 9          | 11°14          | 11°49  | 23°23           | 23°38  | 24°45  | 8°15         | 17°50          | F 21 |
| S 22 | 17 56 6  | 29°25'42         | 5 <b>M</b> 26  | 24° 8           | 6°35           | 17°10           | 17°12  | 27°11          | 11°12          | 11°51  | 23°24           | 23°35  | 24°42  | 8°21         | 17°49          | S 22 |
| S 23 | 18 0 3   | 09522'56         | 19°47          | 25°20           | 7°48           | 16°57           | 17°25  | 27°13          | 11°10          | 11°54  | 23°26           | 23°32  | 24°38  | 8°28         | 17°47          | S 23 |
| M24  | 18 3 59  | 1°20'09          | 4 <b>₹</b> 31  | 26°30           | 9° 1           | 16°45           | 17°38  | 27°15          | 11° 7          | 11°56  | 23°27           | 23°29  | 24°35  | 8°35         | 17°45          | M24  |
| T 25 | 18 7 56  | 2°17'21          | 19°34          | 27°36           | 10°13          | 16°31           | 17°51  | 27°16          | 11° 5          | 11°58  | 23°29           | 23°27  | 24°32  | 8°41         | 17°43          | T 25 |
| W26  | 18 11 52 | 3°14'33          | 4 <b>ප</b> 46  | 28°40           | 11°26          | 16°17           | 18° 5  | 27°18          | 11° 3          | 12° 0  | 23°30           | 23°25  | 24°29  | 8°48         | 17°41          | W26  |
| T 27 | 18 15 49 | 4°11'45          | 19°57          | 29°40           | 12°39          | 16° 3           | 18°18  | 27°19          | 11° 0          | 12° 2  | 23°32           | 23°D24 | 24°26  | 8°54         | 17°39          | T 27 |
| F 28 | 18 19 46 | 5° 8'56          | 4≈59           | $0$ $\Omega$ 38 | 13°51          | 15°48           | 18°31  | 27°20          | 10°58          | 12° 5  | 23°33           | 23°25  | 24°23  | 9° 1         | 17°37          | F 28 |
| S 29 | 18 23 42 | 6° 6'08          | 19°43          | 1°31            | 15° 4          | 15°32           | 18°44  | 27°21          | 10°55          | 12° 7  | 23°34           | 23°26  | 24°19  | 9° 8         | 17°35          | S 29 |
| S 30 | 18 27 39 | 795 3'19         | 4 <b>∺</b> 5   | $2\Omega$ 22    | 16耳17          | 15 <b>ප</b> 16  | 18958  | 27 <b>米</b> 22 | 10 <b>る</b> 53 | 1295 9 | 23 <b>II</b> 36 | 239527 | 249516 | 99514        | 17 <b>≈</b> 33 | S 30 |

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| Day  | Sid.t    | 0                  | D                    | ğ            | ·              | ♂              | 4      | ħ               | )f(            | 卉      | Р               | ß      | Ω      | Ç      | ę,             | Day  |
|------|----------|--------------------|----------------------|--------------|----------------|----------------|--------|-----------------|----------------|--------|-----------------|--------|--------|--------|----------------|------|
| M 1  | 18 31 35 | 89 0'31            | 18 <b>)</b> 1        | 3 <b>Ω</b> 9 | 17 <b>Ⅲ</b> 30 | 15°R 0         | 199511 | 27 <b>)</b> (23 | 10°R50         | 129511 | 23 <b>II</b> 37 | 239528 | 249513 | 99521  | 17°R31         | M 1  |
| T 2  | 18 35 32 | 8°57'42            | 1 <b>Y</b> 32        | 3°52         | 18°43          | 14 <b>중</b> 44 | 19°24  | 27°24           | 10 <b>ට</b> 48 | 12°13  | 23°38           | 23°28  | 24°10  | 9°28   | 17 <b>≈</b> 29 | T 2  |
| W 3  | 18 39 28 | 9°54'54            | 14°39                | 4°31         | 19°56          | 14°27          | 19°38  | 27°25           | 10°46          | 12°16  | 23°40           | 23°R29 | 24° 7  | 9°34   | 17°26          | W 3  |
| T 4  | 18 43 25 | 10°52'06           | 27°25                | 5° 7         | 21° 9          | 14°10          | 19°51  | 27°26           | 10°43          | 12°18  | 23°41           | 23°28  | 24° 4  | 9°41   | 17°24          | T 4  |
| F 5  | 18 47 21 | 11°49'19           | 9 <b>8</b> 53        | 5°38         | 22°21          | 13°52          | 20° 4  | 27°26           | 10°41          | 12°20  | 23°43           | 23°27  | 24° 0  | 9°48   | 17°22          | F 5  |
| S 6  | 18 51 18 | 12°46'31           | 22° 7                | 6° 5         | 23°34          | 13°35          | 20°18  | 27°27           | 10°38          | 12°22  | 23°44           | 23°26  | 23°57  | 9°54   | 17°19          | S 6  |
| S 7  | 18 55 15 | 13°43'44           | 4 <b>I</b> I 9       | 6°28         | 24°47          | 13°17          | 20°31  | 27°27           | 10°36          | 12°25  | 23°45           | 23°24  | 23°54  | 10° 1  | 17°17          | S 7  |
| M 8  | 18 59 11 | 14°40'58           | 16° 4                | 6°47         | 26° 0          | 12°59          | 20°44  | 27°27           | 10°33          | 12°27  | 23°47           | 23°23  | 23°51  | 10° 8  | 17°14          | M 8  |
| T 9  | 19 3 8   | 15°38'11           | 27°54                | 7° 1         | 27°13          | 12°42          | 20°58  | 27°27           | 10°31          | 12°29  | 23°48           | 23°22  | 23°48  | 10°14  | 17°12          | T 9  |
| W10  | 19 7 4   | 16°35'25           | 99542                | 7°10         | 28°27          | 12°24          | 21°11  | 27°R27          | 10°29          | 12°31  | 23°49           | 23°21  | 23°44  | 10°21  | 17° 9          | W10  |
| T 11 | 19 11 1  | 17°32'39           | 21°29                | 7°R14        | 29°40          | 12° 6          | 21°25  | 27°27           | 10°26          | 12°34  | 23°51           | 23°D21 | 23°41  | 10°28  | 17° 6          | T 11 |
| F 12 | 19 14 57 | 18°29'53           | 3 <b>Ω</b> 19        | 7°14         | 0953           | 11°49          | 21°38  | 27°27           | 10°24          | 12°36  | 23°52           | 23°21  | 23°38  | 10°34  | 17° 4          | F 12 |
| S 13 | 19 18 54 | 19°27'07           | 15°13                | 7° 9         | 2° 6           | 11°31          | 21°52  | 27°27           | 10°21          | 12°38  | 23°53           | 23°22  | 23°35  | 10°41  | 17° 1          | S 13 |
| S 14 | 19 22 50 | 20°24'21           | 27°14                | 7° 0         | 3°19           | 11°14          | 22° 5  | 27°27           | 10°19          | 12°40  | 23°55           | 23°22  | 23°32  | 10°48  | 16°58          | S 14 |
| M15  | 19 26 47 | 21°21'36           | 9 <b>m</b> 25        | 6°45         | 4°32           | 10°57          | 22°18  | 27°26           | 10°17          | 12°42  | 23°56           | 23°22  | 23°29  | 10°54  | 16°56          | M15  |
| T 16 | 19 30 44 | 22°18'50           | 21°49                | 6°26         | 5°45           | 10°41          | 22°32  | 27°25           | 10°14          | 12°45  | 23°57           | 23°22  | 23°25  | 11° 1  | 16°53          | T 16 |
| W17  | 19 34 40 | 23°16'05           | 4 <u><b>Ω</b></u> 29 | 6° 3         | 6°59           | 10°24          | 22°45  | 27°25           | 10°12          | 12°47  | 23°58           | 23°R22 | 23°22  | 11° 7  | 16°50          | W17  |
| T 18 | 19 38 37 | 24°13'20           | 17°28                | 5°36         | 8°12           | 10° 9          | 22°59  | 27°24           | 10°10          | 12°49  | 24° 0           | 23°D22 | 23°19  | 11°14  | 16°47          | T 18 |
| F 19 | 19 42 33 | 25°10'35           | 0 <b>M</b> .48       | 5° 5         | 9°25           | 9°53           | 23°12  | 27°23           | 10° 7          | 12°51  | 24° 1           | 23°22  | 23°16  | 11°21  | 16°44          | F 19 |
| S 20 | 19 46 30 | 26° 7'50           | 14°33                | 4°30         | 10°38          | 9°38           | 23°26  | 27°22           | 10° 5          | 12°53  | 24° 2           | 23°23  | 23°13  | 11°27  | 16°41          | S 20 |
| S 21 | 19 50 26 | 27° 5'06           | 28°41                | 3°53         | 11°52          | 9°24           | 23°39  | 27°21           | 10° 3          | 12°56  | 24° 3           | 23°23  | 23°10  | 11°34  | 16°39          | S 21 |
| M22  | 19 54 23 | 28° 2'21           | 13 <b>×</b> 13       | 3°13         | 13° 5          | 9°10           | 23°52  | 27°20           | 10° 0          | 12°58  | 24° 5           | 23°23  | 23° 6  | 11°41  | 16°36          | M22  |
| T 23 | 19 58 19 | 28°59'37           | 28° 4                | 2°32         | 14°19          | 8°57           | 24° 6  | 27°19           | 9°58           | 13° 0  | 24° 6           | 23°24  | 23° 3  | 11°47  | 16°33          | T 23 |
| W24  | 20 2 16  | 29°56'54           | 13 <b>る</b> 7        | 1°50         | 15°32          | 8°44           | 24°19  | 27°17           | 9°56           | 13° 2  | 24° 7           | 23°24  | 23° 0  | 11°54  | 16°30          | W24  |
| T 25 | 20 6 13  | $0$ $\Omega$ 54'11 | 28°15                | 1° 7         | 16°45          | 8°32           | 24°33  | 27°16           | 9°54           | 13° 4  | 24° 8           | 23°R24 | 22°57  | 12° 1  | 16°27          | T 25 |
| F 26 | 20 10 9  | 1°51'29            | 13 <b>≈</b> 19       | 0°25         | 17°59          | 8°20           | 24°46  | 27°14           | 9°52           | 13° 6  | 24° 9           | 23°24  | 22°54  | 12° 7  | 16°24          | F 26 |
| S 27 | 20 14 6  | 2°48'47            | 28°10                | 299544       | 19°12          | 8°10           | 24°59  | 27°13           | 9°49           | 13° 9  | 24°10           | 23°23  | 22°50  | 12°14  | 16°20          | S 27 |
| S 28 | 20 18 2  | 3°46'06            | 12 <b>) (</b> 40     | 29° 5        | 20°26          | 7°59           | 25°13  | 27°11           | 9°47           | 13°11  | 24°12           | 23°22  | 22°47  | 12°21  | 16°17          | S 28 |
| M29  | 20 21 59 | 4°43'26            | 26°46                | 28°29        | 21°39          | 7°50           | 25°26  | 27° 9           | 9°45           | 13°13  | 24°13           | 23°20  | 22°44  | 12°27  | 16°14          | M29  |
| T 30 | 20 25 55 | 5°40'47            | 10 <b>Υ</b> 25       | 27°57        | 22°53          | 7°41           | 25°39  | 27° 7           | 9°43           | 13°15  | 24°14           | 23°19  | 22°41  | 12°34  | 16°11          | T 30 |
| W31  | 20 29 52 | 6 <b>Ω</b> 38'09   | 23 <b>Y</b> 37       | 279528       | 249 7          | 7 <b>궁</b> 34  | 25953  | 27 <b>)</b> 5   | 9 <b>ප්</b> 41 | 139917 | 24 <b>Ⅱ</b> 15  | 23918  | 22938  | 129541 | 16≈ 8          | W31  |

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AUGUST 1907 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ        | ঠ             | 4             | ħ              | )∤(           | ¥      | Р               | ß      | ນ     | Ç      | ę,            | Day  |
|------|----------|------------------|----------------|----------------|----------|---------------|---------------|----------------|---------------|--------|-----------------|--------|-------|--------|---------------|------|
| T 1  | 20 33 48 | 7 <b>Ω</b> 35'33 | 6 <b>8</b> 25  | 27°R 4         | 259520   | 7°R27         | 2695 6        | 27°R 3         | 9°R39         | 139519 | 24 <b>I</b> I16 | 23°D18 | 22935 | 129547 | 16°R 5        | T 1  |
| F 2  | 20 37 45 | 8°32'57          | 18°52          | 269546         | 26°34    | 7 <b>る</b> 20 | 26°19         | 27 <b>)</b> 1  | 9 <b>る</b> 37 | 13°21  | 24°17           | 239518 | 22°31 | 12°54  | 16 <b>≈</b> 2 | F 2  |
| S 3  | 20 41 42 | 9°30'23          | 1 <b>II</b> 3  | 26°33          | 27°47    | 7°15          | 26°32         | 26°59          | 9°35          | 13°23  | 24°18           | 23°19  | 22°28 | 13° 0  | 15°59         | S 3  |
| S 4  | 20 45 38 | 10°27'49         | 13° 1          | 26°26          | 29° 1    | 7°10          | 26°46         | 26°56          | 9°33          | 13°25  | 24°19           | 23°20  | 22°25 | 13° 7  | 15°56         | S 4  |
| M 5  | 20 49 35 | 11°25'17         | 24°52          | 26°D25         | 0Ω15     | 7° 6          | 26°59         | 26°54          | 9°31          | 13°27  | 24°20           | 23°22  | 22°22 | 13°14  | 15°52         | M 5  |
| T 6  | 20 53 31 | 12°22'47         | 6939           | 26°30          | 1°29     | 7° 3          | 27°12         | 26°51          | 9°29          | 13°29  | 24°21           | 23°23  | 22°19 | 13°20  | 15°49         | T 6  |
| W 7  | 20 57 28 | 13°20'17         | 18°26          | 26°42          | 2°43     | 7° 1          | 27°25         | 26°49          | 9°27          | 13°31  | 24°22           | 23°R24 | 22°15 | 13°27  | 15°46         | W 7  |
| T 8  | 21 1 24  | 14°17'48         | $0\Omega 17$   | 27° 1          | 3°56     | 6°59          | 27°38         | 26°46          | 9°25          | 13°33  | 24°23           | 23°24  | 22°12 | 13°34  | 15°43         | T 8  |
| F 9  | 21 5 21  | 15°15'21         | 12°13          | 27°27          | 5°10     | 6°D59         | 27°51         | 26°43          | 9°23          | 13°35  | 24°24           | 23°23  | 22° 9 | 13°40  | 15°40         | F 9  |
| S 10 | 21 9 17  | 16°12'55         | 24°17          | 28° 0          | 6°24     | 6°59          | 28° 4         | 26°40          | 9°22          | 13°37  | 24°25           | 23°20  | 22° 6 | 13°47  | 15°36         | S 10 |
| S 11 | 21 13 14 | 17°10'29         | 6 <b>m</b> 30  | 28°39          | 7°38     | 7° 0          | 28°17         | 26°37          | 9°20          | 13°39  | 24°26           | 23°17  | 22° 3 | 13°54  | 15°33         | S 11 |
| M12  | 21 17 11 | 18° 8'05         | 18°55          | 29°25          | 8°52     | 7° 2          | 28°30         | 26°34          | 9°18          | 13°41  | 24°27           | 23°13  | 22° 0 | 14° 0  | 15°30         | M12  |
| T 13 | 21 21 7  | 19° 5'42         | 1 <b>≏</b> 32  | 0 <b>Ω</b> 17  | 10° 6    | 7° 5          | 28°43         | 26°31          | 9°16          | 13°43  | 24°28           | 23° 9  | 21°56 | 14° 7  | 15°27         | T 13 |
| W14  | 21 25 4  | 20° 3'19         | 14°22          | 1°16           | 11°20    | 7° 9          | 28°56         | 26°28          | 9°15          | 13°45  | 24°29           | 23° 6  | 21°53 | 14°14  | 15°24         | W14  |
| T 15 | 21 29 0  | 21° 0'58         | 27°28          | 2°22           | 12°34    | 7°13          | 29° 9         | 26°25          | 9°13          | 13°47  | 24°30           | 23° 3  | 21°50 | 14°20  | 15°21         | T 15 |
| F 16 | 21 32 57 | 21°58'38         | 10 <b>M</b> 50 | 3°33           | 13°48    | 7°19          | 29°22         | 26°21          | 9°12          | 13°48  | 24°31           | 23° 1  | 21°47 | 14°27  | 15°17         | F 16 |
| S 17 | 21 36 53 | 22°56'19         | 24°30          | 4°50           | 15° 2    | 7°25          | 29°35         | 26°18          | 9°10          | 13°50  | 24°31           | 23°D 1 | 21°44 | 14°34  | 15°14         | S 17 |
| S 18 | 21 40 50 | 23°54'00         | 8 <b>∡</b> 127 | 6°12           | 16°16    | 7°32          | 29°48         | 26°14          | 9° 9          | 13°52  | 24°32           | 23° 1  | 21°41 | 14°40  | 15°11         | S 18 |
| M19  | 21 44 46 | 24°51'43         | 22°43          | 7°40           | 17°30    | 7°40          | $0\Omega$ 0   | 26°11          | 9° 7          | 13°54  | 24°33           | 23° 3  | 21°37 | 14°47  | 15° 8         | M19  |
| T 20 | 21 48 43 | 25°49'27         | 7 <b>ਰ</b> 14  | 9°12           | 18°44    | 7°48          | 0°13          | 26° 7          | 9° 6          | 13°56  | 24°34           | 23° 4  | 21°34 | 14°53  | 15° 5         | T 20 |
| W21  | 21 52 40 | 26°47'12         | 21°58          | 10°49          | 19°58    | 7°57          | 0°26          | 26° 4          | 9° 4          | 13°57  | 24°35           | 23°R 5 | 21°31 | 15° 0  | 15° 2         | W21  |
| T 22 | 21 56 36 | 27°44'59         | 6≈49           | 12°30          | 21°13    | 8° 8          | 0°38          | 26° 0          | 9° 3          | 13°59  | 24°35           | 23° 4  | 21°28 | 15° 7  | 14°59         | T 22 |
| F 23 | 22 0 33  | 28°42'46         | 21°40          | 14°14          | 22°27    | 8°18          | 0°51          | 25°56          | 9° 2          | 14° 1  | 24°36           | 23° 2  | 21°25 | 15°13  | 14°56         | F 23 |
| S 24 | 22 4 29  | 29°40'35         | 6 <b>∺</b> 23  | 16° 2          | 23°41    | 8°30          | 1° 4          | 25°52          | 9° 0          | 14° 3  | 24°37           | 22°58  | 21°21 | 15°20  | 14°53         | S 24 |
| S 25 | 22 8 26  | 0 Mp 38'26       | 20°51          | 17°52          | 24°55    | 8°42          | 1°16          | 25°48          | 8°59          | 14° 4  | 24°37           | 22°52  | 21°18 | 15°27  | 14°50         | S 25 |
| M26  | 22 12 22 | 1°36'18          | <b>4Υ</b> 59   | 19°44          | 26° 9    | 8°55          | 1°28          | 25°44          | 8°58          | 14° 6  | 24°38           | 22°46  | 21°15 | 15°33  | 14°47         | M26  |
| T 27 | 22 16 19 | 2°34'11          | 18°41          | 21°38          | 27°24    | 9° 9          | 1°41          | 25°40          | 8°57          | 14° 8  | 24°39           | 22°41  | 21°12 | 15°40  | 14°44         | T 27 |
| W28  | 22 20 15 | 3°32'07          | 1 <b>8</b> 57  | 23°34          | 28°38    | 9°23          | 1°53          | 25°36          | 8°56          | 14° 9  | 24°39           | 22°36  | 21° 9 | 15°47  | 14°41         | W28  |
| T 29 | 22 24 12 | 4°30'04          | 14°48          | 25°31          | 29°52    | 9°38          | 2° 5          | 25°32          | 8°55          | 14°11  | 24°40           | 22°32  | 21° 6 | 15°53  | 14°38         | T 29 |
| F 30 | 22 28 9  | 5°28'03          | 27°17          | 27°28          | 1 Mp 7   | 9°54          | 2°18          | 25°28          | 8°54          | 14°12  | 24°41           | 22°30  | 21° 2 | 16° 0  | 14°35         | F 30 |
| S 31 | 22 32 5  | 6 TD 26'04       | 9∏28           | 29 <b>Ω</b> 26 | 2 Mp 2 1 | 10る10         | 2 <b>Ω</b> 30 | 25 <b>米</b> 24 | 8 <b>궁</b> 53 | 149514 | 24 <b>∏</b> 41  | 22°D30 | 20959 | 1695 7 | 14≈32         | S 31 |

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SEPTEMBER 1907 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | Ŷ             | ♂              | 4             | ħ              | )∤(           | 并      | В      | ₽.     | v      | ţ      | ę,             | Day  |
|------|----------|------------------|----------------|----------------|---------------|----------------|---------------|----------------|---------------|--------|--------|--------|--------|--------|----------------|------|
| S 1  | 22 36 2  | 7 <b>m</b> 24'07 | 21 <b>Ⅲ</b> 26 | 1 Mp 24        | 3 Mp 35       | 10 <b>궁</b> 27 | 2 <b>Ω</b> 42 | 25°R19         | 8°R52         | 149515 | 24∏42  | 22930  | 209556 | 169513 | 14°R29         | S 1  |
| M 2  | 22 39 58 | 8°22'12          | 39916          | 3°22           | 4°50          | 10°45          | 2°54          | 25 <b>米</b> 15 | 8 <b>궁</b> 51 | 14°17  | 24°42  | 22°32  | 20°53  | 16°20  | 14≈26          | M 2  |
| T 3  | 22 43 55 | 9°20'19          | 15° 3          | 5°19           | 6° 4          | 11° 3          | 3° 6          | 25°11          | 8°50          | 14°18  | 24°43  | 22°33  | 20°50  | 16°26  | 14°24          | T 3  |
| W 4  | 22 47 51 | 10°18'27         | 26°52          | 7°16           | 7°19          | 11°22          | 3°18          | 25° 6          | 8°49          | 14°20  | 24°43  | 22°R33 | 20°47  | 16°33  | 14°21          | W 4  |
| T 5  | 22 51 48 | 11°16'38         | 8 <b>Ω</b> 47  | 9°13           | 8°33          | 11°42          | 3°30          | 25° 2          | 8°49          | 14°21  | 24°44  | 22°32  | 20°43  | 16°40  | 14°18          | T 5  |
| F 6  | 22 55 44 | 12°14'50         | 20°51          | 11°8           | 9°48          | 12° 2          | 3°42          | 24°58          | 8°48          | 14°22  | 24°44  | 22°28  | 20°40  | 16°46  | 14°16          | F 6  |
| S 7  | 22 59 41 | 13°13'05         | 3 Mp 7         | 13° 3          | 11° 2         | 12°22          | 3°53          | 24°53          | 8°47          | 14°24  | 24°44  | 22°22  | 20°37  | 16°53  | 14°13          | S 7  |
| S 8  | 23 3 38  | 14°11'20         | 15°37          | 14°57          | 12°17         | 12°44          | 4° 5          | 24°49          | 8°47          | 14°25  | 24°45  | 22°14  | 20°34  | 17° 0  | 14°10          | S 8  |
| M 9  | 23 7 34  | 15° 9'38         | 28°20          | 16°50          | 13°31         | 13° 5          | 4°17          | 24°44          | 8°46          | 14°26  | 24°45  | 22° 5  | 20°31  | 17° 6  | 14° 8          | M 9  |
| T 10 | 23 11 31 | 16° 7'58         | 11 <b>≏</b> 17 | 18°42          | 14°46         | 13°28          | 4°28          | 24°39          | 8°46          | 14°28  | 24°46  | 21°56  | 20°27  | 17°13  | 14° 5          | T 10 |
| W11  | 23 15 27 | 17° 6'19         | 24°27          | 20°32          | 16° 0         | 13°50          | 4°40          | 24°35          | 8°45          | 14°29  | 24°46  | 21°47  | 20°24  | 17°20  | 14° 3          | W11  |
| T 12 | 23 19 24 | 18° 4'41         | 7 <b>M</b> 49  | 22°22          | 17°15         | 14°14          | 4°51          | 24°30          | 8°45          | 14°30  | 24°46  | 21°39  | 20°21  | 17°26  | 14° 0          | T 12 |
| F 13 | 23 23 20 | 19° 3'06         | 21°22          | 24°11          | 18°30         | 14°38          | 5° 2          | 24°26          | 8°45          | 14°31  | 24°47  | 21°34  | 20°18  | 17°33  | 13°58          | F 13 |
| S 14 | 23 27 17 | 20° 1'32         | 5 <b>₹</b> 6   | 25°58          | 19°44         | 15° 2          | 5°14          | 24°21          | 8°45          | 14°32  | 24°47  | 21°30  | 20°15  | 17°40  | 13°56          | S 14 |
| S 15 | 23 31 13 | 21° 0'00         | 19° 1          | 27°44          | 20°59         | 15°27          | 5°25          | 24°16          | 8°44          | 14°34  | 24°47  | 21°D29 | 20°12  | 17°46  | 13°53          | S 15 |
| M16  | 23 35 10 | 21°58'29         | 3 <b>る</b> 5   | 29°30          | 22°14         | 15°52          | 5°36          | 24°12          | 8°44          | 14°35  | 24°47  | 21°30  | 20° 8  | 17°53  | 13°51          | M16  |
| T 17 | 23 39 6  | 22°57'00         | 17°19          | 1 <b>≏</b> 14  | 23°28         | 16°18          | 5°47          | 24° 7          | 8°44          | 14°36  | 24°48  | 21°R30 | 20° 5  | 17°59  | 13°49          | T 17 |
| W18  | 23 43 3  | 23°55'32         | 1≈41           | 2°57           | 24°43         | 16°44          | 5°58          | 24° 3          | 8°44          | 14°37  | 24°48  | 21°30  | 20° 2  | 18° 6  | 13°47          | W18  |
| T 19 | 23 47 0  | 24°54'07         | 16° 7          | 4°39           | 25°58         | 17°11          | 6° 9          | 23°58          | 8°D44         | 14°38  | 24°48  | 21°28  | 19°59  | 18°13  | 13°44          | T 19 |
| F 20 | 23 50 56 | 25°52'42         | 0 <b>∺</b> 35  | 6°20           | 27°12         | 17°38          | 6°19          | 23°53          | 8°44          | 14°39  | 24°48  | 21°23  | 19°56  | 18°19  | 13°42          | F 20 |
| S 21 | 23 54 53 | 26°51'20         | 14°58          | 8° 0           | 28°27         | 18° 6          | 6°30          | 23°49          | 8°44          | 14°40  | 24°48  | 21°16  | 19°53  | 18°26  | 13°40          | S 21 |
| S 22 | 23 58 49 | 27°49'59         | 29°10          | 9°40           | 29°42         | 18°34          | 6°41          | 23°44          | 8°44          | 14°41  | 24°48  | 21° 6  | 19°49  | 18°33  | 13°38          | S 22 |
| M23  | 0 2 46   | 28°48'41         | 13 <b>Y</b> 6  | 11°18          | 0 <b>ჲ</b> 56 | 19° 2          | 6°51          | 23°39          | 8°44          | 14°41  | 24°48  | 20°55  | 19°46  | 18°39  | 13°37          | M23  |
| T 24 | 0 6 42   | 29°47'24         | 26°43          | 12°55          | 2°11          | 19°31          | 7° 1          | 23°35          | 8°45          | 14°42  | 24°48  | 20°44  | 19°43  | 18°46  | 13°35          | T 24 |
| W25  | 0 10 39  | 0 <b>ჲ</b> 46'10 | 9 <b>8</b> 56  | 14°31          | 3°26          | 20° 0          | 7°12          | 23°30          | 8°45          | 14°43  | 24°48  | 20°34  | 19°40  | 18°53  | 13°33          | W25  |
| T 26 | 0 14 35  | 1°44'57          | 22°46          | 16° 6          | 4°41          | 20°29          | 7°22          | 23°26          | 8°45          | 14°44  | 24°R48 | 20°26  | 19°37  | 18°59  | 13°31          | T 26 |
| F 27 | 0 18 32  | 2°43'47          | 5 <b>Ⅱ</b> 16  | 17°41          | 5°56          | 20°59          | 7°32          | 23°21          | 8°46          | 14°45  | 24°48  | 20°20  | 19°33  | 19° 6  | 13°29          | F 27 |
| S 28 | 0 22 29  | 3°42'40          | 17°27          | 19°14          | 7°10          | 21°29          | 7°42          | 23°16          | 8°46          | 14°45  | 24°48  | 20°17  | 19°30  | 19°13  | 13°28          | S 28 |
| S 29 | 0 26 25  | 4°41'34          | 29°26          | 20°47          | 8°25          | 22° 0          | 7°52          | 23°12          | 8°46          | 14°46  | 24°48  | 20°16  | 19°27  | 19°19  | 13°26          | S 29 |
| M30  | 0 30 22  | 5 <b>≏</b> 40'31 | 119916         | 22 <b>≏</b> 18 | 9 <b>≙</b> 40 | 22 <b>궁</b> 31 | 8 <b>Ω</b> 2  | 23 <b>∺</b> 7  | 8 <b>궁</b> 47 | 149547 | 24∏48  | 20°D16 | 199524 | 199526 | 13 <b>≈</b> 25 | M30  |

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|------|---------|------------------|-----------------|----------------|----------------|-------|---------------|----------------|---------------|--------|--------|--------|--------|-------|--------|------|
| Day  | Sid.t   | 0                | D               | ğ              | φ              | ♂     | 4             | ħ              | )ţ(           | ħ      | В      | u      | U      | Ç     | ę,     | Day  |
| T 1  | 0 34 18 | 6 <b>₾</b> 39'30 | 2399 4          | 23 <b>≏</b> 49 | 10 <b>≏</b> 55 | 23중 2 | 8 <b>Ω</b> 12 | 23°R 3         | 8 <b>궁</b> 48 | 149647 | 24°R48 | 20°R16 | 199521 | 19933 | 13°R23 | T 1  |
| W 2  | 0 38 15 | 7°38'32          | 4 <b>Ω</b> 54   | 25°19          | 12°10          | 23°33 | 8°21          | 22 <b>米</b> 59 | 8°48          | 14°48  | 24∏48  | 209915 | 19°18  | 19°39 | 13≈22  | W 2  |
| T 3  | 0 42 11 | 8°37'35          | 16°53           | 26°48          | 13°25          | 24° 5 | 8°31          | 22°54          | 8°49          | 14°49  | 24°48  | 20°12  | 19°14  | 19°46 | 13°20  | T 3  |
| F 4  | 0 46 8  | 9°36'41          | 29° 4           | 28°16          | 14°39          | 24°37 | 8°40          | 22°50          | 8°50          | 14°49  | 24°48  | 20° 7  | 19°11  | 19°52 | 13°19  | F 4  |
| S 5  | 0 50 4  | 10°35'49         | 11 <b>m</b> y31 | 29°43          | 15°54          | 25°10 | 8°49          | 22°46          | 8°50          | 14°50  | 24°47  | 19°59  | 19° 8  | 19°59 | 13°18  | S 5  |
| S 6  | 0 54 1  | 11°34'59         | 24°15           | 1 <b>M</b> .10 | 17° 9          | 25°42 | 8°58          | 22°41          | 8°51          | 14°50  | 24°47  | 19°49  | 19° 5  | 20° 6 | 13°17  | S 6  |
| M 7  | 0 57 58 | 12°34'12         | 7 <b>₽</b> 17   | 2°35           | 18°24          | 26°15 | 9° 7          | 22°37          | 8°52          | 14°51  | 24°47  | 19°36  | 19° 2  | 20°12 | 13°15  | M 7  |
| T 8  | 1 1 54  | 13°33'26         | 20°37           | 4° 0           | 19°39          | 26°49 | 9°16          | 22°33          | 8°53          | 14°51  | 24°47  | 19°23  | 18°58  | 20°19 | 13°14  | T 8  |
| W 9  | 1 5 51  | 14°32'43         | 4 <b>m</b> .11  | 5°23           | 20°54          | 27°22 | 9°25          | 22°29          | 8°54          | 14°51  | 24°47  | 19°11  | 18°55  | 20°26 | 13°13  | W 9  |
| T 10 | 1 9 47  | 15°32'01         | 17°58           | 6°46           | 22° 9          | 27°56 | 9°34          | 22°25          | 8°55          | 14°52  | 24°46  | 19° 0  | 18°52  | 20°32 | 13°13  | T 10 |
| F 11 | 1 13 44 | 16°31'21         | 1 <b>才</b> 52   | 8° 7           | 23°24          | 28°30 | 9°42          | 22°21          | 8°56          | 14°52  | 24°46  | 18°52  | 18°49  | 20°39 | 13°12  | F 11 |
| S 12 | 1 17 40 | 17°30'44         | 15°53           | 9°28           | 24°39          | 29° 4 | 9°51          | 22°17          | 8°57          | 14°52  | 24°46  | 18°47  | 18°46  | 20°46 | 13°11  | S 12 |
| S 13 | 1 21 37 | 18°30'08         | 29°56           | 10°47          | 25°54          | 29°39 | 9°59          | 22°13          | 8°59          | 14°52  | 24°45  | 18°45  | 18°43  | 20°52 | 13°10  | S 13 |
| M14  | 1 25 33 | 19°29'34         | 14중 1           | 12° 5          | 27° 9          | 0≈14  | 10° 7         | 22° 9          | 9° 0          | 14°53  | 24°45  | 18°44  | 18°39  | 20°59 | 13° 9  | M14  |
| T 15 | 1 29 30 | 20°29'01         | 28° 7           | 13°22          | 28°23          | 0°49  | 10°15         | 22° 5          | 9° 1          | 14°53  | 24°44  | 18°44  | 18°36  | 21° 6 | 13° 9  | T 15 |
| W16  | 1 33 27 | 21°28'30         | 12≈13           | 14°37          | 29°38          | 1°24  | 10°23         | 22° 1          | 9° 3          | 14°53  | 24°44  | 18°43  | 18°33  | 21°12 | 13° 8  | W16  |
| T 17 | 1 37 23 | 22°28'01         | 26°17           | 15°51          | 0 <b>M</b> .53 | 2° 0  | 10°31         | 21°58          | 9° 4          | 14°53  | 24°44  | 18°40  | 18°30  | 21°19 | 13° 8  | T 17 |
| F 18 | 1 41 20 | 23°27'34         | 10 <b>)</b> 19  | 17° 3          | 2° 8           | 2°36  | 10°39         | 21°54          | 9° 5          | 14°53  | 24°43  | 18°35  | 18°27  | 21°25 | 13° 7  | F 18 |
| S 19 | 1 45 16 | 24°27'08         | 24°16           | 18°14          | 3°23           | 3°12  | 10°46         | 21°50          | 9° 7          | 14°R53 | 24°43  | 18°26  | 18°24  | 21°32 | 13° 7  | S 19 |
| S 20 | 1 49 13 | 25°26'44         | 8 <b>Ƴ</b> 3    | 19°23          | 4°38           | 3°48  | 10°54         | 21°47          | 9° 8          | 14°53  | 24°42  | 18°15  | 18°20  | 21°39 | 13° 7  | S 20 |
| M21  | 1 53 9  | 26°26'23         | 21°38           | 20°29          | 5°53           | 4°24  | 11° 1         | 21°44          | 9°10          | 14°53  | 24°42  | 18° 2  | 18°17  | 21°45 | 13° 7  | M21  |
| T 22 | 1 57 6  | 27°26'03         | 4 <b>8</b> 58   | 21°34          | 7° 8           | 5° 1  | 11° 8         | 21°40          | 9°12          | 14°53  | 24°41  | 17°50  | 18°14  | 21°52 | 13° 6  | T 22 |
| W23  | 2 1 2   | 28°25'45         | 18° 0           | 22°36          | 8°23           | 5°37  | 11°15         | 21°37          | 9°13          | 14°53  | 24°40  | 17°38  | 18°11  | 21°59 | 13° 6  | W23  |
| T 24 | 2 4 59  | 29°25'29         | 0 <b>∏</b> 43   | 23°35          | 9°38           | 6°14  | 11°22         | 21°34          | 9°15          | 14°53  | 24°40  | 17°28  | 18° 8  | 22° 5 | 13°D 6 | T 24 |
| F 25 | 2 8 55  | 0ML25'16         | 13° 8           | 24°31          | 10°53          | 6°51  | 11°29         | 21°31          | 9°17          | 14°53  | 24°39  | 17°21  | 18° 4  | 22°12 | 13° 6  | F 25 |
| S 26 | 2 12 52 | 1°25'04          | 25°17           | 25°24          | 12° 8          | 7°29  | 11°35         | 21°28          | 9°19          | 14°52  | 24°39  | 17°16  | 18° 1  | 22°19 | 13° 6  | S 26 |
| S 27 | 2 16 49 | 2°24'55          | 79915           | 26°14          | 13°23          | 8° 6  | 11°41         | 21°25          | 9°20          | 14°52  | 24°38  | 17°14  | 17°58  | 22°25 | 13° 7  | S 27 |
| M28  | 2 20 45 | 3°24'48          | 19° 5           | 26°59          | 14°38          | 8°44  | 11°48         | 21°22          | 9°22          | 14°52  | 24°37  | 17°D14 | 17°55  | 22°32 | 13° 7  | M28  |
| T 29 | 2 24 42 | 4°24'44          | 0€52            | 27°39          | 15°53          | 9°21  | 11°54         | 21°19          | 9°24          | 14°51  | 24°37  | 17°R14 | 17°52  | 22°39 | 13° 7  | T 29 |
| W30  | 2 28 38 | 5°24'41          | 12°43           | 28°15          | 17° 8          | 9°59  | 12° 0         | 21°17          | 9°26          | 14°51  | 24°36  | 17°14  | 17°49  | 22°45 | 13° 8  | W30  |
| T 31 | 2 32 35 | 6M24'40          | 24 <b>Ω</b> 42  | 28 <b>M</b> 45 | 18 <b>M</b> 23 | 10≈37 | 12 <b>N</b> 5 | 21 <b>米</b> 14 | 9 <b>궁</b> 28 | 14951  | 24∏35  | 179512 | 179545 | 22952 | 13≈ 8  | T 31 |

Delta T = 8.38 sec

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| Day  | Sid.t   | 0                 | D               | Ϋ́             | φ               | ♂              | 4               | ħ                | )∤(            | ¥      | В             | ß      | Ω      | Ç      | ę<br>k | Day  |
|------|---------|-------------------|-----------------|----------------|-----------------|----------------|-----------------|------------------|----------------|--------|---------------|--------|--------|--------|--------|------|
| F 1  | 2 36 31 | 7 <b>M</b> 24'42  | 6 <b>m</b> 55   | 29 <b>M</b> 9  | 19 <b>M</b> .38 | 11≈15          | 12 <b>\O</b> 11 | 21°R11           | 9 <b>ට</b> 30  | 14°R50 | 24°R34        | 17°R 8 | 179542 | 22958  | 13≈ 8  | F 1  |
| S 2  | 2 40 28 | 8°24'46           | 19°27           | 29°26          | 20°53           | 11°54          | 12°16           | 21 <b>米</b> 9    | 9°33           | 14950  | 24∏34         | 1795 2 | 17°39  | 23° 5  | 13° 9  | S 2  |
| S 3  | 2 44 24 | 9°24'52           | 2 <b>₽</b> 19   | 29°36          | 22° 8           | 12°32          | 12°22           | 21° 7            | 9°35           | 14°49  | 24°33         | 16°53  | 17°36  | 23°12  | 13°10  | S 3  |
| M 4  | 2 48 21 | 10°24'59          | 15°35           | 29°R37         | 23°23           | 13°11          | 12°27           | 21° 4            | 9°37           | 14°49  | 24°32         | 16°43  | 17°33  | 23°18  | 13°10  | M 4  |
| T 5  | 2 52 18 | 11°25'09          | 29°12           | 29°30          | 24°38           | 13°50          | 12°32           | 21° 2            | 9°39           | 14°48  | 24°31         | 16°31  | 17°29  | 23°25  | 13°11  | T 5  |
| W 6  | 2 56 14 | 12°25'21          | 13 <b>M</b> _10 | 29°14          | 25°53           | 14°29          | 12°37           | 21° 0            | 9°41           | 14°48  | 24°31         | 16°21  | 17°26  | 23°32  | 13°12  | W 6  |
| T 7  | 3 0 11  | 13°25'35          | 27°22           | 28°48          | 27° 8           | 15° 8          | 12°41           | 20°58            | 9°44           | 14°47  | 24°30         | 16°11  | 17°23  | 23°38  | 13°13  | T 7  |
| F 8  | 3 4 7   | 14°25'50          | 11 <b>×7</b> 44 | 28°12          | 28°23           | 15°47          | 12°46           | 20°57            | 9°46           | 14°47  | 24°29         | 16° 4  | 17°20  | 23°45  | 13°14  | F 8  |
| S 9  | 3 8 4   | 15°26'07          | 26° 9           | 27°27          | 29°38           | 16°26          | 12°50           | 20°55            | 9°49           | 14°46  | 24°28         | 16° 0  | 17°17  | 23°52  | 13°15  | S 9  |
| S 10 | 3 12 0  | 16°26'25          | 10 <b>궁</b> 34  | 26°32          | 0 <b>∡</b> 753  | 17° 6          | 12°54           | 20°53            | 9°51           | 14°45  | 24°27         | 15°D59 | 17°14  | 23°58  | 13°16  | S 10 |
| M11  | 3 15 57 | 17°26'45          | 24°53           | 25°28          | 2° 8            | 17°45          | 12°58           | 20°52            | 9°53           | 14°44  | 24°26         | 15°59  | 17°10  | 24° 5  | 13°17  | M11  |
| T 12 | 3 19 53 | 18°27'07          | 9≈ 4            | 24°17          | 3°23            | 18°25          | 13° 1           | 20°50            | 9°56           | 14°44  | 24°25         | 15°59  | 17° 7  | 24°12  | 13°18  | T 12 |
| W13  | 3 23 50 | 19°27'30          | 23° 7           | 23° 1          | 4°38            | 19° 4          | 13° 5           | 20°49            | 9°59           | 14°43  | 24°24         | 16°R 0 | 17° 4  | 24°18  | 13°20  | W13  |
| T 14 | 3 27 47 | 20°27'54          | 7 <b>₩</b> 0    | 21°41          | 5°53            | 19°44          | 13° 8           | 20°48            | 10° 1          | 14°42  | 24°23         | 15°58  | 17° 1  | 24°25  | 13°21  | T 14 |
| F 15 | 3 31 43 | 21°28'19          | 20°43           | 20°20          | 7° 8            | 20°24          | 13°12           | 20°47            | 10° 4          | 14°41  | 24°22         | 15°55  | 16°58  | 24°32  | 13°23  | F 15 |
| S 16 | 3 35 40 | 22°28'45          | <b>4Υ</b> 16    | 19° 2          | 8°23            | 21° 4          | 13°15           | 20°45            | 10° 6          | 14°40  | 24°21         | 15°49  | 16°55  | 24°38  | 13°24  | S 16 |
| S 17 | 3 39 36 | 23°29'13          | 17°38           | 17°47          | 9°38            | 21°45          | 13°17           | 20°45            | 10° 9          | 14°39  | 24°21         | 15°41  | 16°51  | 24°45  | 13°26  | S 17 |
| M18  | 3 43 33 | 24°29'43          | 0 <b>8</b> 48   | 16°40          | 10°53           | 22°25          | 13°20           | 20°44            | 10°12          | 14°38  | 24°20         | 15°32  | 16°48  | 24°51  | 13°27  | M18  |
| T 19 | 3 47 29 | 25°30'14          | 13°45           | 15°41          | 12° 8           | 23° 5          | 13°22           | 20°43            | 10°15          | 14°38  | 24°19         | 15°22  | 16°45  | 24°58  | 13°29  | T 19 |
| W20  | 3 51 26 | 26°30'46          | 26°29           | 14°52          | 13°22           | 23°45          | 13°25           | 20°42            | 10°17          | 14°37  | 24°18         | 15°14  | 16°42  | 25° 5  | 13°31  | W20  |
| T 21 | 3 55 22 | 27°31'20          | 8 <b>Ⅱ</b> 58   | 14°15          | 14°37           | 24°26          | 13°27           | 20°42            | 10°20          | 14°36  | 24°16         | 15° 6  | 16°39  | 25°11  | 13°32  | T 21 |
| F 22 | 3 59 19 | 28°31'56          | 21°14           | 13°49          | 15°52           | 25° 6          | 13°29           | 20°42            | 10°23          | 14°34  | 24°15         | 15° 1  | 16°35  | 25°18  | 13°34  | F 22 |
| S 23 | 4 3 16  | 29°32'33          | 39518           | 13°35          | 17° 7           | 25°47          | 13°30           | 20°41            | 10°26          | 14°33  | 24°14         | 14°58  | 16°32  | 25°25  | 13°36  | S 23 |
| S 24 | 4 7 12  | 0 <b>₮</b> 33'11  | 15°13           | 13°D32         | 18°22           | 26°28          | 13°32           | 20°41            | 10°29          | 14°32  | 24°13         | 14°D57 | 16°29  | 25°31  | 13°38  | S 24 |
| M25  | 4 11 9  | 1°33'51           | 27° 1           | 13°40          | 19°37           | 27° 9          | 13°33           | 20°D41           | 10°32          | 14°31  | 24°12         | 14°58  | 16°26  | 25°38  | 13°40  | M25  |
| T 26 | 4 15 5  | 2°34'33           | 8 <b>Ω</b> 48   | 13°58          | 20°52           | 27°49          | 13°34           | 20°41            | 10°35          | 14°30  | 24°11         | 15° 0  | 16°23  | 25°45  | 13°42  | T 26 |
| W27  | 4 19 2  | 3°35'16           | 20°38           | 14°25          | 22° 7           | 28°30          | 13°35           | 20°41            | 10°38          | 14°29  | 24°10         | 15° 1  | 16°20  | 25°51  | 13°44  | W27  |
| T 28 | 4 22 58 | 4°36'01           | 2 Mp 36         | 15° 1          | 23°22           | 29°11          | 13°36           | 20°41            | 10°41          | 14°28  | 24° 9         | 15°R 2 | 16°16  | 25°58  | 13°47  | T 28 |
| F 29 | 4 26 55 | 5°36'48           | 14°47           | 15°44          | 24°37           | 29°52          | 13°36           | 20°42            | 10°44          | 14°26  | 24° 8         | 15° 2  | 16°13  | 26° 5  | 13°49  | F 29 |
| S 30 | 4 30 51 | 6 <b>₹</b> ³37'36 | 27 <b>m</b> )16 | 16 <b>M</b> 33 | 25 <b>×</b> 52  | 0 <b>)</b> €33 | 13 <b>Ω</b> 37  | 20 <b>) (</b> 42 | 10 <b>궁</b> 47 | 149925 | 24 <b>I</b> 7 | 1595 0 | 169510 | 269511 | 13≈51  | S 30 |

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DECEMBER 1907 00:00 UT

| Day  | Sid.t   | $\odot$            | D              | φ              | Q              | o <sup>7</sup> | 4              | ħ                | )ұ(            | ¥      | P 2             | ß      | Ω      | ţ      | δ     | Day  |
|------|---------|--------------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|--------|-----------------|--------|--------|--------|-------|------|
| S 1  | 4 34 48 | 7 <b>.₹</b> ¹38'25 | 10 <b>♀</b> 8  | 17 <b>M</b> 28 | 27 <b>,7</b> 7 | 1 <b>)</b> 15  | 13°R37         | 20 <b>) (</b> 43 | 10る50          | 14°R24 | 24°R 6          | 14°R56 | 1695 7 | 269518 | 13≈54 | S 1  |
| M 2  | 4 38 45 | 8°39'16            | 23°26          | 18°28          | 28°22          | 1°56           | 13 <b>Ω</b> 37 | 20°44            | 10°53          | 149523 | 24 <b>I</b> 5   | 14951  | 16° 4  | 26°24  | 13°56 | M 2  |
| T 3  | 4 42 41 | 9°40'08            | 7 <b>M</b> 9   | 19°32          | 29°37          | 2°37           | 13°36          | 20°44            | 10°57          | 14°21  | 24° 3           | 14°45  | 16° 1  | 26°31  | 13°59 | T 3  |
| W 4  | 4 46 38 | 10°41'01           | 21°18          | 20°40          | 0 <b>궁</b> 52  | 3°18           | 13°36          | 20°45            | 11° 0          | 14°20  | 24° 2           | 14°39  | 15°57  | 26°38  | 14° 1 | W 4  |
| T 5  | 4 50 34 | 11°41'56           | 5 <b>∡</b> 748 | 21°52          | 2° 7           | 4° 0           | 13°35          | 20°46            | 11° 3          | 14°19  | 24° 1           | 14°34  | 15°54  | 26°44  | 14° 4 | T 5  |
| F 6  | 4 54 31 | 12°42'52           | 20°32          | 23° 6          | 3°22           | 4°41           | 13°34          | 20°47            | 11° 6          | 14°17  | 24° 0           | 14°31  | 15°51  | 26°51  | 14° 6 | F 6  |
| S 7  | 4 58 27 | 13°43'49           | 5 <b>云</b> 23  | 24°22          | 4°36           | 5°23           | 13°33          | 20°49            | 11° 9          | 14°16  | 23°59           | 14°29  | 15°48  | 26°58  | 14° 9 | S 7  |
| S 8  | 5 2 24  | 14°44'47           | 20°14          | 25°41          | 5°51           | 6° 4           | 13°32          | 20°50            | 11°13          | 14°14  | 23°58           | 14°D29 | 15°45  | 27° 4  | 14°12 | S 8  |
| M 9  | 5 6 21  | 15°45'45           | 4≈57           | 27° 2          | 7° 6           | 6°46           | 13°30          | 20°51            | 11°16          | 14°13  | 23°57           | 14°30  | 15°41  | 27°11  | 14°15 | M 9  |
| T 10 | 5 10 17 | 16°46'45           | 19°28          | 28°24          | 8°21           | 7°27           | 13°29          | 20°53            | 11°19          | 14°12  | 23°55           | 14°31  | 15°38  | 27°18  | 14°17 | T 10 |
| W11  | 5 14 14 | 17°47'44           | 3 <b>){</b> 41 | 29°47          | 9°36           | 8° 9           | 13°27          | 20°54            | 11°23          | 14°10  | 23°54           | 14°33  | 15°35  | 27°24  | 14°20 | W11  |
| T 12 | 5 18 10 | 18°48'45           | 17°37          | 1 <b>才</b> 12  | 10°51          | 8°51           | 13°25          | 20°56            | 11°26          | 14° 9  | 23°53           | 14°R33 | 15°32  | 27°31  | 14°23 | T 12 |
| F 13 | 5 22 7  | 19°49'45           | 1 <b>Υ</b> 14  | 2°38           | 12° 6          | 9°33           | 13°22          | 20°58            | 11°30          | 14° 7  | 23°52           | 14°33  | 15°29  | 27°38  | 14°26 | F 13 |
| S 14 | 5 26 3  | 20°50'47           | 14°34          | 4° 4           | 13°21          | 10°14          | 13°20          | 21° 0            | 11°33          | 14° 6  | 23°51           | 14°31  | 15°26  | 27°44  | 14°29 | S 14 |
| S 15 | 5 30 0  | 21°51'48           | 27°38          | 5°31           | 14°35          | 10°56          | 13°17          | 21° 2            | 11°36          | 14° 4  | 23°49           | 14°29  | 15°22  | 27°51  | 14°32 | S 15 |
| M16  | 5 33 56 | 22°52'51           | 10827          | 6°59           | 15°50          | 11°38          | 13°15          | 21° 4            | 11°40          | 14° 2  | 23°48           | 14°25  | 15°19  | 27°58  | 14°36 | M16  |
| T 17 | 5 37 53 | 23°53'53           | 23° 3          | 8°27           | 17° 5          | 12°20          | 13°12          | 21° 7            | 11°43          | 14° 1  | 23°47           | 14°22  | 15°16  | 28° 4  | 14°39 | T 17 |
| W18  | 5 41 50 | 24°54'57           | 5 <b>Ⅱ</b> 27  | 9°56           | 18°20          | 13° 2          | 13° 8          | 21° 9            | 11°47          | 13°59  | 23°46           | 14°19  | 15°13  | 28°11  | 14°42 | W18  |
| T 19 | 5 45 46 | 25°56'01           | 17°40          | 11°26          | 19°35          | 13°44          | 13° 5          | 21°11            | 11°50          | 13°58  | 23°45           | 14°16  | 15°10  | 28°18  | 14°45 | T 19 |
| F 20 | 5 49 43 | 26°57'05           | 29°44          | 12°56          | 20°49          | 14°26          | 13° 1          | 21°14            | 11°54          | 13°56  | 23°44           | 14°14  | 15° 7  | 28°24  | 14°49 | F 20 |
| S 21 | 5 53 39 | 27°58'10           | 119541         | 14°26          | 22° 4          | 15° 8          | 12°58          | 21°17            | 11°57          | 13°55  | 23°42           | 14°D14 | 15° 3  | 28°31  | 14°52 | S 21 |
| S 22 | 5 57 36 | 28°59'15           | 23°32          | 15°56          | 23°19          | 15°50          | 12°54          | 21°19            | 12° 1          | 13°53  | 23°41           | 14°14  | 15° 0  | 28°37  | 14°55 | S 22 |
| M23  | 6 1 32  | 0る 0'22            | 5 <b>Ω</b> 20  | 17°27          | 24°34          | 16°32          | 12°50          | 21°22            | 12° 4          | 13°51  | 23°40           | 14°15  | 14°57  | 28°44  | 14°59 | M23  |
| T 24 | 6 5 29  | 1° 1'28            | 17° 7          | 18°58          | 25°48          | 17°14          | 12°45          | 21°25            | 12° 8          | 13°50  | 23°39           | 14°16  | 14°54  | 28°51  | 15° 2 | T 24 |
| W25  | 6 9 25  | 2° 2'35            | 28°58          | 20°30          | 27° 3          | 17°56          | 12°41          | 21°28            | 12°11          | 13°48  | 23°38           | 14°17  | 14°51  | 28°57  | 15° 6 | W25  |
| T 26 | 6 13 22 | 3° 3'43            | 10 <b>m</b> 55 | 22° 2          | 28°18          | 18°38          | 12°36          | 21°31            | 12°15          | 13°46  | 23°37           | 14°19  | 14°47  | 29° 4  | 15°10 | T 26 |
| F 27 | 6 17 19 | 4° 4'51            | 23° 5          | 23°34          | 29°32          | 19°20          | 12°31          | 21°35            | 12°18          | 13°45  | 23°35           | 14°19  | 14°44  | 29°11  | 15°13 | F 27 |
| S 28 | 6 21 15 | 5° 6'00            | 5 <b>₾</b> 30  | 25° 6          | 0≈47           | 20° 2          | 12°26          | 21°38            | 12°22          | 13°43  | 23°34           | 14°R19 | 14°41  | 29°17  | 15°17 | S 28 |
| S 29 | 6 25 12 | 6° 7'10            | 18°16          | 26°39          | 2° 2           | 20°44          | 12°21          | 21°41            | 12°25          | 13°41  | 23°33           | 14°19  | 14°38  | 29°24  | 15°20 | S 29 |
| M30  | 6 29 8  | <u>7</u> ° 8'19    | 1 <b>M</b> 26  | 28°11          | 3°16           | 21°26          | 12°16          | 21°45            | 1 <u>2</u> °29 | 13°40  | 23°32           | 14°19  | 14°35  | 29°31  | 15°24 | M30  |
| T 31 | 6 33 5  | 8号 9'30            | 15 <b>M</b> 3  | 29 <b>х</b> 45 | 4≈31           | 22 <b>米</b> 8  | 12 <b>Ω</b> 10 | 21 <b>米</b> 49   | 12 <b>る</b> 33 | 13938  | 23 <b>II</b> 31 | 149518 | 14932  | 29937  | 15≈28 | T 31 |

Delta T = 8.58 sec

JANUARY 1908 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ             | φ                | ď              | 4              | ħ              | )f(            | ħ      | Р              | v      | Ω      | ţ            | ę,    | Day  |
|------|---------|------------------|----------------|---------------|------------------|----------------|----------------|----------------|----------------|--------|----------------|--------|--------|--------------|-------|------|
| W 1  | 6 37 1  | 9 <b>ට</b> 10'40 | 29 <b>M</b> 7  | 1 <b>궁</b> 18 | 5≈45             | 22 <b>米</b> 50 | 12°R 5         | 21 <b>米</b> 52 | 12 <b>る</b> 36 | 13°R36 | 23°R30         | 14°R17 | 149528 | 299544       | 15≈32 | W 1  |
| T 2  | 6 40 58 | 10°11'52         | 13 <b>∡</b> 38 | 2°52          | 7° 0             | 23°32          | 11 <b>Ω</b> 59 | 21°56          | 12°40          | 13935  | 23Ⅱ29          | 149517 | 14°25  | 29°51        | 15°36 | T 2  |
| F 3  | 6 44 54 | 11°13'03         | 2 <u>8</u> °29 | 4°26          | 8°15             | 24°14          | 11°53          | 22° 0          | 12°43          | 13°33  | 23°27          | 14°16  | 14°22  | 29°57        | 15°39 | F 3  |
| S 4  | 6 48 51 | 12°14'14         | 13 <b>る</b> 35 | 6° 1          | 9°29             | 24°57          | 11°47          | 22° 4          | 12°47          | 13°31  | 23°26          | 14°D16 | 14°19  | 0 <b>Ω</b> 4 | 15°43 | S 4  |
| S 5  | 6 52 48 | 13°15'26         | 28°45          | 7°35          | 10°44            | 25°39          | 11°41          | 22° 8          | 12°50          | 13°29  | 23°25          | 14°16  | 14°16  | 0°11         | 15°47 | S 5  |
| M 6  | 6 56 44 | 14°16'37         | 13 <b>≈</b> 52 | 9°11          | 11°58            | 26°21          | 11°35          | 22°12          | 12°54          | 13°28  | 23°24          | 14°R16 | 14°13  | 0°17         | 15°51 | M 6  |
| T 7  | 7 0 41  | 15°17'48         | 28°45          | 10°46         | 13°13            | 27° 3          | 11°28          | 22°16          | 12°58          | 13°26  | 23°23          | 14°16  | 14° 9  | 0°24         | 15°55 | T 7  |
| W 8  | 7 4 37  | 16°18'58         | 13 <b>米</b> 18 | 12°22         | 14°27            | 27°45          | 11°21          | 22°21          | 13° 1          | 13°24  | 23°22          | 14°16  | 14° 6  | 0°31         | 15°59 | W 8  |
| T 9  | 7 8 34  | 17°20'08         | 27°27          | 13°59         | 15°41            | 28°27          | 11°15          | 22°25          | 13° 5          | 13°23  | 23°21          | 14°16  | 14° 3  | 0°37         | 16° 3 | T 9  |
| F 10 | 7 12 30 | 18°21'18         | 11 <b>Y</b> 11 | 15°36         | 16°56            | 29°10          | 11° 8          | 22°30          | 13° 8          | 13°21  | 23°20          | 14°16  | 14° 0  | 0°44         | 16° 7 | F 10 |
| S 11 | 7 16 27 | 19°22'26         | 24°31          | 17°13         | 18°10            | 29°52          | 11° 1          | 22°34          | 13°12          | 13°19  | 23°19          | 14°D16 | 13°57  | 0°50         | 16°11 | S 11 |
| S 12 | 7 20 23 | 20°23'35         | 7 <b>8</b> 28  | 18°50         | 19°24            | 0 <b>Υ</b> 34  | 10°54          | 22°39          | 13°16          | 13°18  | 23°18          | 14°16  | 13°53  | 0°57         | 16°15 | S 12 |
| M13  | 7 24 20 | 21°24'42         | 20° 6          | 20°29         | 20°39            | 1°16           | 10°47          | 22°44          | 13°19          | 13°16  | 23°17          | 14°17  | 13°50  | 1° 4         | 16°20 | M13  |
| T 14 | 7 28 17 | 22°25'49         | 2Ⅱ29           | 22° 7         | 21°53            | 1°58           | 10°40          | 22°48          | 13°23          | 13°14  | 23°16          | 14°17  | 13°47  | 1°10         | 16°24 | T 14 |
| W15  | 7 32 13 | 23°26'56         | 14°38          | 23°46         | 23° 7            | 2°41           | 10°32          | 22°53          | 13°26          | 13°13  | 23°15          | 14°18  | 13°44  | 1°17         | 16°28 | W15  |
| T 16 | 7 36 10 | 24°28'02         | 26°39          | 25°26         | 24°21            | 3°23           | 10°25          | 22°58          | 13°30          | 13°11  | 23°14          | 14°19  | 13°41  | 1°24         | 16°32 | T 16 |
| F 17 | 7 40 6  | 25°29'07         | 8933           | 27° 6         | 25°35            | 4° 5           | 10°17          | 23° 3          | 13°33          | 13° 9  | 23°13          | 14°R20 | 13°38  | 1°30         | 16°36 | F 17 |
| S 18 | 7 44 3  | 26°30'12         | 20°23          | 28°47         | 26°49            | 4°47           | 10°10          | 23° 9          | 13°37          | 13° 8  | 23°12          | 14°20  | 13°34  | 1°37         | 16°40 | S 18 |
| S 19 | 7 47 59 | 27°31'16         | 2 <b>Ω</b> 11  | 0≈28          | 28° 3            | 5°29           | 10° 2          | 23°14          | 13°40          | 13° 6  | 23°11          | 14°19  | 13°31  | 1°44         | 16°45 | S 19 |
| M20  | 7 51 56 | 28°32'20         | 14° 0          | 2°10          | 29°17            | 6°11           | 9°55           | 23°19          | 13°44          | 13° 4  | 23°10          | 14°18  | 13°28  | 1°50         | 16°49 | M20  |
| T 21 | 7 55 53 | 29°33'23         | 25°51          | 3°52          | 0 <b>)</b> €31   | 6°53           | 9°47           | 23°24          | 13°47          | 13° 3  | 23° 9          | 14°16  | 13°25  | 1°57         | 16°53 | T 21 |
| W22  | 7 59 49 | 0≈34'25          | 7 <b>m</b> /46 | 5°34          | 1°45             | 7°35           | 9°39           | 23°30          | 13°51          | 13° 1  | 23° 8          | 14°13  | 13°22  | 2° 4         | 16°58 | W22  |
| T 23 | 8 3 46  | 1°35'27          | 19°49          | 7°18          | 2°59             | 8°17           | 9°31           | 23°35          | 13°54          | 13° 0  | 23° 7          | 14°10  | 13°19  | 2°10         | 17° 2 | T 23 |
| F 24 | 8 7 42  | 2°36'28          | 2 <b>₾</b> 1   | 9° 1          | 4°13             | 9° 0           | 9°23           | 23°41          | 13°58          | 12°58  | 23° 6          | 14° 8  | 13°15  | 2°17         | 17° 6 | F 24 |
| S 25 | 8 11 39 | 3°37'29          | 14°27          | 10°45         | 5°27             | 9°42           | 9°15           | 23°46          | 14° 1          | 12°56  | 23° 5          | 14° 6  | 13°12  | 2°24         | 17°11 | S 25 |
| S 26 | 8 15 35 | 4°38'29          | 27°10          | 12°29         | 6°40             | 10°24          | 9° 7           | 23°52          | 14° 4          | 12°55  | 23° 5          | 14° 4  | 13° 9  | 2°30         | 17°15 | S 26 |
| M27  | 8 19 32 | 5°39'28          | 10 <b>M</b> 12 | 14°14         | 7°54             | 11° 6          | 8°59           | 23°58          | 14° 8          | 12°53  | 23° 4          | 14°D 4 | 13° 6  | 2°37         | 17°19 | M27  |
| T 28 | 8 23 28 | 6°40'27          | 23°38          | 15°58         | 9° 8             | 11°48          | 8°51           | 24° 4          | 14°11          | 12°52  | 23° 3          | 14° 5  | 13° 3  | 2°44         | 17°24 | T 28 |
| W29  | 8 27 25 | 7°41'26          | 7 <b>.₹</b> 29 | 17°43         | 10°21            | 12°30          | 8°43           | 24° 9          | 14°15          | 12°50  | 23° 2          | 14° 6  | 12°59  | 2°50         | 17°28 | W29  |
| T 30 | 8 31 21 | 8°42'24          | 21°46          | 19°27         | 11°35            | 13°12          | 8°35           | 24°15          | 1 <u>4</u> °18 | 12°49  | 23° 1          | 14° 8  | 12°56  | 2°57         | 17°32 | T 30 |
| F 31 | 8 35 18 | 9≈43'21          | 6 <b>පි</b> 26 | 21≈12         | 12 <b>) (</b> 48 | 13 <b>Y</b> 54 | 8 <b>Ω</b> 27  | 24 <b>米</b> 21 | 14 <b>궁</b> 21 | 129547 | 23 <b>II</b> 0 | 1495 9 | 12953  | 3 <b>Ω</b> 4 | 17≈37 | F 31 |

Delta T = 8.68 sec

FEBRUARY 1908 00:00 UT

| Day  | Sid.t    | 0                | D              | φ             | φ              | ♂              | 4             | ħ              | 'n             | ¥      | Р               | ß      | ಬ      | Ç             | , k            | Day  |
|------|----------|------------------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|--------|-----------------|--------|--------|---------------|----------------|------|
| S 1  | 8 39 15  | 10≈44'17         | 21 <b>る</b> 27 | 22≈56         | 14 <b>∺</b> 2  | 14 <b>Y</b> 36 | 8°R19         | 24 <b>)</b> 27 | 14 <b>ට</b> 25 | 12°R46 | 23°R 0          | 14°R 9 | 12950  | 3 <b>Ω</b> 10 | 17 <b>≈</b> 41 | S 1  |
| S 2  | 8 43 11  | 11°45'13         | 6≈39           | 24°39         | 15°15          | 15°18          | 8 <b>Ω</b> 11 | 24°33          | 14°28          | 129544 | 22 <b>II</b> 59 | 1495 8 | 12°47  | 3°17          | 17°46          | S 2  |
| M 3  | 8 47 8   | 12°46'07         | 21°53          | 26°21         | 16°29          | 16° 0          | 8° 3          | 24°40          | 14°31          | 12°43  | 22°58           | 14° 5  | 12°44  | 3°24          | 17°50          | M 3  |
| T 4  | 8 51 4   | 13°47'00         | 7 <b>₩</b> 0   | 28° 2         | 17°42          | 16°41          | 7°55          | 24°46          | 14°34          | 12°41  | 22°58           | 14° 1  | 12°40  | 3°30          | 17°55          | T 4  |
| W 5  | 8 55 1   | 14°47'52         | 21°49          | 29°42         | 18°55          | 17°23          | 7°47          | 24°52          | 14°38          | 12°40  | 22°57           | 13°56  | 12°37  | 3°37          | 17°59          | W 5  |
| T 6  | 8 58 57  | 15°48'42         | 6 <b>Ƴ</b> 14  | 1 <b>米</b> 20 | 20° 8          | 18° 5          | 7°40          | 24°58          | 14°41          | 12°39  | 22°56           | 13°52  | 12°34  | 3°43          | 18° 3          | T 6  |
| F 7  | 9 2 54   | 16°49'31         | 20°11          | 2°55          | 21°21          | 18°47          | 7°32          | 25° 5          | 14°44          | 12°37  | 22°56           | 13°48  | 12°31  | 3°50          | 18° 8          | F 7  |
| S 8  | 9 6 50   | 17°50'18         | 3 <b>8</b> 39  | 4°27          | 22°34          | 19°29          | 7°24          | 25°11          | 14°47          | 12°36  | 22°55           | 13°45  | 12°28  | 3°57          | 18°12          | S 8  |
| S 9  | 9 10 47  | 18°51'04         | 16°40          | 5°55          | 23°47          | 20°11          | 7°16          | 25°18          | 14°50          | 12°35  | 22°54           | 13°D44 | 12°25  | 4° 3          | 18°17          | S 9  |
| M10  | 9 14 44  | 19°51'49         | 29°17          | 7°20          | 25° 0          | 20°53          | 7° 9          | 25°24          | 14°53          | 12°33  | 22°54           | 13°45  | 12°21  | 4°10          | 18°21          | M10  |
| T 11 | 9 18 40  | 20°52'31         | 11 <b>Ⅲ</b> 35 | 8°39          | 26°13          | 21°34          | 7° 1          | 25°31          | 14°57          | 12°32  | 22°53           | 13°46  | 12°18  | 4°17          | 18°26          | T 11 |
| W12  | 9 22 37  | 21°53'12         | 23°39          | 9°53          | 27°26          | 22°16          | 6°53          | 25°37          | 15° 0          | 12°31  | 22°53           | 13°48  | 12°15  | 4°23          | 18°30          | W12  |
| T 13 | 9 26 33  | 22°53'52         | 5932           | 11° 1         | 28°39          | 22°58          | 6°46          | 25°44          | 15° 3          | 12°30  | 22°52           | 13°49  | 12°12  | 4°30          | 18°34          | T 13 |
| F 14 | 9 30 30  | 23°54'30         | 17°21          | 12° 2         | 29°51          | 23°40          | 6°39          | 25°51          | 15° 6          | 12°29  | 22°52           | 13°R49 | 12° 9  | 4°37          | 18°39          | F 14 |
| S 15 | 9 34 26  | 24°55'06         | 29° 8          | 12°55         | 1 <b>℃</b> 4   | 24°21          | 6°31          | 25°57          | 15° 9          | 12°27  | 22°51           | 13°48  | 12° 5  | 4°43          | 18°43          | S 15 |
| S 16 | 9 38 23  | 25°55'41         | 10 <b>Q</b> 56 | 13°39         | 2°16           | 25° 3          | 6°24          | 26° 4          | 15°11          | 12°26  | 22°51           | 13°45  | 12° 2  | 4°50          | 18°48          | S 16 |
| M17  | 9 42 20  | 26°56'14         | 22°48          | 14°15         | 3°29           | 25°45          | 6°17          | 26°11          | 15°14          | 12°25  | 22°50           | 13°39  | 11°59  | 4°57          | 18°52          | M17  |
| T 18 | 9 46 16  | 27°56'46         | 4 Mp 46        | 14°41         | 4°41           | 26°26          | 6°10          | 26°18          | 15°17          | 12°24  | 22°50           | 13°32  | 11°56  | 5° 3          | 18°56          | T 18 |
| W19  | 9 50 13  | 28°57'16         | 16°51          | 14°58         | 5°53           | 27° 8          | 6° 3          | 26°25          | 15°20          | 12°23  | 22°49           | 13°23  | 11°53  | 5°10          | 19° 1          | W19  |
| T 20 | 9 54 9   | 29°57'44         | 29° 5          | 15°R 4        | 7° 5           | 27°50          | 5°56          | 26°32          | 15°23          | 12°22  | 22°49           | 13°14  | 11°50  | 5°17          | 19° 5          | T 20 |
| F 21 | 9 58 6   | 0 <b>∺</b> 58'11 | 11 <b>≏</b> 28 | 15° 0         | 8°17           | 28°31          | 5°50          | 26°39          | 15°26          | 12°21  | 22°49           | 13° 5  | 11°46  | 5°23          | 19° 9          | F 21 |
| S 22 | 10 2 2   | 1°58'37          | 24° 3          | 14°45         | 9°29           | 29°13          | 5°43          | 26°46          | 15°28          | 12°20  | 22°48           | 12°58  | 11°43  | 5°30          | 19°14          | S 22 |
| S 23 | 10 5 59  | 2°59'01          | 6 <b>M</b> .50 | 14°22         | 10°41          | 29°54          | 5°37          | 26°53          | 15°31          | 12°19  | 22°48           | 12°52  | 11°40  | 5°37          | 19°18          | S 23 |
| M24  | 10 9 55  | 3°59'24          | 19°53          | 13°49         | 11°53          | 0 <b>8</b> 36  | 5°30          | 27° 0          | 15°34          | 12°18  | 22°48           | 12°49  | 11°37  | 5°43          | 19°22          | M24  |
| T 25 | 10 13 52 | 4°59'46          | 3 <b>√</b> 13  | 13° 7         | 13° 4          | 1°17           | 5°24          | 27° 7          | 15°36          | 12°17  | 22°48           | 12°D48 | 11°34  | 5°50          | 19°27          | T 25 |
| W26  | 10 17 48 | 6° 0'06          | 16°53          | 12°19         | 14°16          | 1°58           | 5°18          | 27°14          | 15°39          | 12°16  | 22°47           | 12°49  | 11°30  | 5°57          | 19°31          | W26  |
| T 27 | 10 21 45 | 7° 0'25          | 0 <b>궁</b> 54  | 11°25         | 15°27          | 2°40           | 5°12          | 27°21          | 15°42          | 12°15  | 22°47           | 12°50  | 11°27  | 6° 3          | 19°35          | T 27 |
| F 28 | 10 25 42 | 8° 0'42          | 15°16          | 10°26         | 16°39          | 3°21           | 5° 7          | 27°28          | 15°44          | 12°15  | 22°47           | 12°R50 | 11°24  | 6°10          | 19°40          | F 28 |
| S 29 | 10 29 38 | 9 <b>米</b> 0'58  | 29 <b>る</b> 58 | 9 <b>)</b> 24 | 17 <b>Y</b> 50 | 4 <b>8</b> 3   | 5 <b>Ω</b> 1  | 27 <b>)</b> 35 | 15 <b>궁</b> 47 | 129514 | 22 <b>Ⅱ</b> 47  | 129549 | 119521 | $6\Omega$ 17  | 19 <b>≈</b> 44 | S 29 |

Delta T = 8.79 sec

MARCH 1908 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ď              | 4            | ħ                | )∤(            | ¥      | Р               | ß      | v      | ţ             | Q<br>K | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|--------------|------------------|----------------|--------|-----------------|--------|--------|---------------|--------|------|
| S 1  | 10 33 35 | 10 <b>)</b> 1'12 | 14≈53          | 8°R21          | 19 <b>Y</b> 1  | 4844           | 4°R56        | 27 <b>) (</b> 43 | 15 <b>る</b> 49 | 12°R13 | 22°R47          | 12°R45 | 119518 | 6 <b>Ω</b> 23 | 19≈48  | S 1  |
| M 2  | 10 37 31 | 11° 1'25         | 29°57          | 7 <b>)</b> €18 | 20°12          | 5°25           | $4\Omega$ 50 | 27°50            | 15°52          | 129512 | 22∏46           | 12939  | 11°15  | 6°30          | 19°52  | M 2  |
| T 3  | 10 41 28 | 12° 1'36         | 14 <b>米</b> 58 | 6°16           | 21°23          | 6° 6           | 4°45         | 27°57            | 15°54          | 12°12  | 22°46           | 12°31  | 11°11  | 6°37          | 19°56  | T 3  |
| W 4  | 10 45 24 | 13° 1'44         | 29°48          | 5°18           | 22°34          | 6°48           | 4°40         | 28° 4            | 15°56          | 12°11  | 22°46           | 12°21  | 11° 8  | 6°43          | 20° 1  | W 4  |
| T 5  | 10 49 21 | 14° 1'51         | 14 <b>Υ</b> 18 | 4°23           | 23°45          | 7°29           | 4°35         | 28°12            | 15°59          | 12°10  | 22°46           | 12°11  | 11° 5  | 6°50          | 20° 5  | T 5  |
| F 6  | 10 53 17 | 15° 1'56         | 28°22          | 3°33           | 24°55          | 8°10           | 4°31         | 28°19            | 16° 1          | 12°10  | 22°46           | 12° 2  | 11° 2  | 6°57          | 20° 9  | F 6  |
| S 7  | 10 57 14 | 16° 1'59         | 11858          | 2°49           | 26° 6          | 8°51           | 4°26         | 28°26            | 16° 3          | 12° 9  | 22°D46          | 11°55  | 10°59  | 7° 3          | 20°13  | S 7  |
| S 8  | 11 111   | 17° 2'00         | 25° 5          | 2°11           | 27°16          | 9°32           | 4°22         | 28°34            | 16° 5          | 12° 9  | 22°46           | 11°51  | 10°56  | 7°10          | 20°17  | S 8  |
| M 9  | 11 5 7   | 18° 1'58         | 7 <b>Ⅱ</b> 46  | 1°39           | 28°26          | 10°14          | 4°18         | 28°41            | 16° 7          | 12° 8  | 22°46           | 11°48  | 10°52  | 7°17          | 20°21  | M 9  |
| T 10 | 11 9 4   | 19° 1'55         | 20° 6          | 1°14           | 29°36          | 10°55          | 4°14         | 28°49            | 16° 9          | 12° 8  | 22°46           | 11°D48 | 10°49  | 7°23          | 20°25  | T 10 |
| W11  | 11 13 0  | 20° 1'49         | 29510          | 0°55           | 0 <b>8</b> 46  | 11°36          | 4°10         | 28°56            | 16°11          | 12° 7  | 22°46           | 11°48  | 10°46  | 7°30          | 20°29  | W11  |
| T 12 | 11 16 57 | 21° 1'41         | 14° 3          | 0°43           | 1°56           | 12°17          | 4° 7         | 29° 3            | 16°13          | 12° 7  | 22°46           | 11°R48 | 10°43  | 7°36          | 20°33  | T 12 |
| F 13 | 11 20 53 | 22° 1'31         | 25°51          | 0°D38          | 3° 6           | 12°58          | 4° 3         | 29°11            | 16°15          | 12° 6  | 22°46           | 11°47  | 10°40  | 7°43          | 20°37  | F 13 |
| S 14 | 11 24 50 | 23° 1'19         | 7 <b>Ω</b> 38  | 0°38           | 4°15           | 13°39          | 4° 0         | 29°18            | 16°17          | 12° 6  | 22°47           | 11°44  | 10°36  | 7°50          | 20°41  | S 14 |
| S 15 | 11 28 46 | 24° 1'04         | 19°28          | 0°45           | 5°25           | 14°20          | 3°57         | 29°26            | 16°19          | 12° 6  | 22°47           | 11°39  | 10°33  | 7°56          | 20°45  | S 15 |
| M16  | 11 32 43 | 25° 0'47         | 1 Mp 26        | 0°57           | 6°34           | 15° 1          | 3°54         | 29°33            | 16°21          | 12° 5  | 22°47           | 11°30  | 10°30  | 8° 3          | 20°49  | M16  |
| T 17 | 11 36 40 | 26° 0'28         | 13°32          | 1°15           | 7°43           | 15°41          | 3°51         | 29°41            | 16°23          | 12° 5  | 22°47           | 11°19  | 10°27  | 8°10          | 20°52  | T 17 |
| W18  | 11 40 36 | 27° 0'07         | 25°50          | 1°38           | 8°52           | 16°22          | 3°49         | 29°48            | 16°25          | 12° 5  | 22°47           | 11° 6  | 10°24  | 8°16          | 20°56  | W18  |
| T 19 | 11 44 33 | 27°59'44         | 8 <b>≏</b> 19  | 2° 5           | 10° 1          | 17° 3          | 3°47         | 29°56            | 16°26          | 12° 5  | 22°48           | 10°53  | 10°21  | 8°23          | 21° 0  | T 19 |
| F 20 | 11 48 29 | 28°59'19         | 20°59          | 2°37           | 11°10          | 17°44          | 3°44         | 0 <b>Υ</b> 3     | 16°28          | 12° 5  | 22°48           | 10°40  | 10°17  | 8°30          | 21° 4  | F 20 |
| S 21 | 11 52 26 | 29°58'53         | 3 <b>M</b> .51 | 3°14           | 12°18          | 18°25          | 3°43         | 0°10             | 16°29          | 12° 5  | 22°48           | 10°28  | 10°14  | 8°36          | 21° 7  | S 21 |
| S 22 | 11 56 22 | 0 <b>Υ</b> 58'24 | 16°54          | 3°54           | 13°26          | 19° 5          | 3°41         | 0°18             | 16°31          | 12° 5  | 22°48           | 10°20  | 10°11  | 8°43          | 21°11  | S 22 |
| M23  | 12 0 19  | 1°57'53          | 0 <b>≯</b> 8   | 4°38           | 14°34          | 19°46          | 3°39         | 0°25             | 16°33          | 12° 4  | 22°49           | 10°14  | 10° 8  | 8°50          | 21°14  | M23  |
| T 24 | 12 4 15  | 2°57'21          | 13°35          | 5°26           | 15°42          | 20°27          | 3°38         | 0°33             | 16°34          | 12°D 4 | 22°49           | 10°11  | 10° 5  | 8°56          | 21°18  | T 24 |
| W25  | 12 8 12  | 3°56'47          | 27°15          | 6°17           | 16°50          | 21° 7          | 3°37         | 0°40             | 16°35          | 12° 5  | 22°49           | 10°10  | 10° 2  | 9° 3          | 21°22  | W25  |
| T 26 | 12 12 9  | 4°56'12          | 11 <b>る</b> 8  | 7°11           | 17°58          | 21°48          | 3°36         | 0°48             | 16°37          | 12° 5  | 22°50           | 10° 9  | 9°58   | 9°10          | 21°25  | T 26 |
| F 27 | 12 16 5  | 5°55'34          | 25°16          | 8° 8           | 19° 5          | 22°29          | 3°35         | 0°55             | 16°38          | 12° 5  | 22°50           | 10° 9  | 9°55   | 9°16          | 21°28  | F 27 |
| S 28 | 12 20 2  | 6°54'55          | 9 <b>≈</b> 38  | 9° 8           | 20°12          | 23° 9          | 3°34         | 1° 3             | 16°39          | 12° 5  | 22°51           | 10° 7  | 9°52   | 9°23          | 21°32  | S 28 |
| S 29 | 12 23 58 | 7°54'14          | 24°10          | 10°11          | 21°19          | 23°50          | 3°34         | 1°10             | 16°41          | 12° 5  | 22°51           | 10° 2  | 9°49   | 9°30          | 21°35  | S 29 |
| M30  | 12 27 55 | 8°53'31          | 8 <b>¥</b> 50  | 11°16          | 22°26          | 24°30          | 3°34         | 1°18             | 16°42          | 12° 5  | 22°52           | 9°55   | 9°46   | 9°36          | 21°39  | M30  |
| T 31 | 12 31 51 | 9 <b>Υ</b> 52'46 | 23 <b>米</b> 30 | 12 <b>米</b> 24 | 23 <b>8</b> 33 | 25 <b>8</b> 11 | 3°D34        | 1 <b>Υ</b> 25    | 16 <b>ප</b> 43 | 1299 5 | 22 <b>II</b> 52 | 99945  | 99542  | 9 <b>Ω</b> 43 | 21≈42  | T 31 |

Delta T = 8.88 sec

APRIL 1908 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | φ              | ď              | 4            | ħ             | )f(             | ¥      | Р               | V             | Ω              | Ç             | ę,    | Day  |
|------|----------|-------------------|----------------|----------------|----------------|----------------|--------------|---------------|-----------------|--------|-----------------|---------------|----------------|---------------|-------|------|
| W 1  | 12 35 48 | 10 <b>Y</b> 52'00 | 8 <b>℃</b> 3   | 13 <b>)</b> 34 | 24 <b>8</b> 39 | 25 <b>8</b> 51 | 3⋒34         | 1 <b>Y</b> 32 | 16 <b>පි</b> 44 | 1295 6 | 22 <b>II</b> 53 | 9°R33         | 9939           | 9 <b>Ω</b> 50 | 21≈45 | W 1  |
| T 2  | 12 39 44 | 11°51'11          | 22°21          | 14°46          | 25°46          | 26°31          | 3°34         | 1°40          | 16°45           | 12° 6  | 22°53           | 99521         | 9°36           | 9°56          | 21°48 | T 2  |
| F 3  | 12 43 41 | 12°50'20          | 6 <b>8</b> 19  | 16° 0          | 26°52          | 27°12          | 3°35         | 1°47          | 16°46           | 12° 6  | 22°54           | 9°10          | 9°33           | 10° 3         | 21°52 | F 3  |
| S 4  | 12 47 37 | 13°49'27          | 19°52          | 17°16          | 27°57          | 27°52          | 3°36         | 1°55          | 16°47           | 12° 7  | 22°54           | 9° 0          | 9°30           | 10°10         | 21°55 | S 4  |
| S 5  | 12 51 34 | 14°48'32          | 3 <b>I</b> 0   | 18°34          | 29° 3          | 28°33          | 3°37         | 2° 2          | 16°48           | 12° 7  | 22°55           | 8°54          | 9°27           | 10°16         | 21°58 | S 5  |
| M 6  | 12 55 31 | 15°47'34          | 15°44          | 19°55          | 0 <b>Π</b> 8   | 29°13          | 3°38         | 2° 9          | 16°48           | 12° 8  | 22°56           | 8°50          | 9°23           | 10°23         | 22° 1 | M 6  |
| T 7  | 12 59 27 | 16°46'34          | 28° 7          | 21°16          | 1°13           | 29°53          | 3°39         | 2°17          | 16°49           | 12° 8  | 22°56           | 8°48          | 9°20           | 10°30         | 22° 4 | T 7  |
| W 8  | 13 3 24  | 17°45'33          | 109513         | 22°40          | 2°18           | 0Д33           | 3°41         | 2°24          | 16°50           | 12° 8  | 22°57           | 8°D48         | 9°17           | 10°36         | 22° 7 | W 8  |
| T 9  | 13 7 20  | 18°44'28          | 22° 8          | 24° 6          | 3°23           | 1°14           | 3°42         | 2°31          | 16°51           | 12° 9  | 22°58           | 8°R48         | 9°14           | 10°43         | 22°10 | T 9  |
| F 10 | 13 11 17 | 19°43'22          | 3 <b>Ω</b> 57  | 25°33          | 4°27           | 1°54           | 3°44         | 2°38          | 16°51           | 12°10  | 22°58           | 8°47          | 9°11           | 10°50         | 22°12 | F 10 |
| S 11 | 13 15 13 | 20°42'13          | 15°46          | 27° 2          | 5°31           | 2°34           | 3°46         | 2°46          | 16°52           | 12°10  | 22°59           | 8°45          | 9° 7           | 10°56         | 22°15 | S 11 |
| S 12 | 13 19 10 | 21°41'02          | 27°40          | 28°32          | 6°35           | 3°14           | 3°49         | 2°53          | 16°52           | 12°11  | 23° 0           | 8°40          | 9° 4           | 11° 3         | 22°18 | S 12 |
| M13  | 13 23 6  | 22°39'48          | 9 <b>m</b> 42  | 0 <b>Υ</b> 5   | 7°38           | 3°54           | 3°51         | 3° 0          | 16°53           | 12°11  | 23° 1           | 8°32          | 9° 1           | 11°10         | 22°21 | M13  |
| T 14 | 13 27 3  | 23°38'33          | 21°57          | 1°39           | 8°41           | 4°34           | 3°54         | 3° 7          | 16°53           | 12°12  | 23° 2           | 8°22          | 8°58           | 11°16         | 22°23 | T 14 |
| W15  | 13 31 0  | 24°37'15          | 4 <b>≏</b> 25  | 3°14           | 9°44           | 5°14           | 3°56         | 3°14          | 16°53           | 12°13  | 23° 2           | 8°10          | 8°55           | 11°23         | 22°26 | W15  |
| T 16 | 13 34 56 | 25°35'55          | 17° 9          | 4°51           | 10°47          | 5°54           | 3°59         | 3°22          | 16°54           | 12°14  | 23° 3           | 7°58          | 8°52           | 11°30         | 22°28 | T 16 |
| F 17 | 13 38 53 | 26°34'33          | 0 <b>™</b> 9   | 6°30           | 11°49          | 6°34           | 4° 2         | 3°29          | 16°54           | 12°14  | 23° 4           | 7°46          | 8°48           | 11°36         | 22°31 | F 17 |
| S 18 | 13 42 49 | 27°33'10          | 13°22          | 8°11           | 12°51          | 7°14           | 4° 6         | 3°36          | 16°54           | 12°15  | 23° 5           | 7°35          | 8°45           | 11°43         | 22°33 | S 18 |
| S 19 | 13 46 46 | 28°31'44          | 26°47          | 9°53           | 13°52          | 7°54           | 4° 9         | 3°43          | 16°54           | 12°16  | 23° 6           | 7°27          | 8°42           | 11°50         | 22°36 | S 19 |
| M20  | 13 50 42 | 29°30'17          | 10 <b>₹</b> 23 | 11°36          | 14°53          | 8°34           | 4°13         | 3°50          | 16°54           | 12°17  | 23° 7           | 7°22          | 8°39           | 11°56         | 22°38 | M20  |
| T 21 | 13 54 39 | 0 <b>8</b> 28'48  | 2 <u>4</u> ° 8 | 13°22          | 15°54          | 9°14           | 4°17         | 3°57          | 16°55           | 12°18  | 23° 8           | 7°19          | 8°36           | 12° 3         | 22°40 | T 21 |
| W22  | 13 58 35 | 1°27'17           | 8 <b>ප</b> 0   | 15° 9          | 16°54          | 9°54           | 4°21         | 4° 4          | 16°R55          | 12°19  | 23° 8           | 7°D18         | 8°33           | 12°10         | 22°42 | W22  |
| T 23 | 14 2 32  | 2°25'45           | 22° 0          | 16°57          | 17°54          | 10°33          | 4°25         | 4°11          | 16°54           | 12°20  | 23° 9           | 7°19          | 8°29           | 12°16         | 22°45 | T 23 |
| F 24 | 14 6 29  | 3°24'12           | 6≈ 5           | 18°48          | 18°54          | 11°13          | 4°29         | 4°17          | 16°54           | 12°21  | 23°10           | 7°R19         | 8°26           | 12°23         | 22°47 | F 24 |
| S 25 | 14 10 25 | 4°22'36           | 20°16          | 20°40          | 19°53          | 11°53          | 4°34         | 4°24          | 16°54           | 12°22  | 23°11           | 7°18          | 8°23           | 12°30         | 22°49 | S 25 |
| S 26 | 14 14 22 | 5°20'59           | 4 <b>)</b> €30 | 22°34          | 20°52          | 12°33          | 4°38         | 4°31          | 16°54           | 12°23  | 23°12           | 7°15          | 8°20           | 12°36         | 22°51 | S 26 |
| M27  | 14 18 18 | 6°19'21           | 18°46          | 24°29          | 21°50          | 13°12          | 4°43         | 4°38          | 16°54           | 12°24  | 23°13           | 7° 9          | 8°17           | 12°43         | 22°53 | M27  |
| T 28 | 14 22 15 | 7°17'41           | 2 <b>Υ</b> 59  | 26°26          | 22°48          | 13°52          | 4°48         | 4°45          | 16°53           | 12°25  | 23°14           | 7° 2          | 8°13           | 12°50         | 22°55 | T 28 |
| W29  | 14 26 11 | 8°15'59           | 17° 5          | 28°25          | 23°46          | 14°32          | 4°53         | 4°51          | 16°53           | 12°26  | 23°15           | 6°52          | 8°10           | 12°56         | 22°56 | W29  |
| T 30 | 14 30 8  | 9 <b>8</b> 14'15  | 1 <b>8</b> 0   | 0 <b>8</b> 25  | 24∏43          | 15 <b>Ⅱ</b> 11 | $4\Omega$ 58 | <b>4Υ</b> 58  | 16 <b>る</b> 53  | 129528 | 23 <b>II</b> 16 | 6 <b>୭</b> 43 | 8 <b>9</b> 5 7 | 13 <b>N</b> 3 | 22≈58 | T 30 |

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MAY 1908 00:00 UT

| Day          | Sid.t                | 0                           | D                       | ğ              | Q.             | ♂                      | 4             | ħ             | ) <b>f</b> (            | ¥              | В               | ß             | ß            | Č              | ę,              | Day          |
|--------------|----------------------|-----------------------------|-------------------------|----------------|----------------|------------------------|---------------|---------------|-------------------------|----------------|-----------------|---------------|--------------|----------------|-----------------|--------------|
| F 1          | 14 34 4              | 10812'30                    | 14 <b>8</b> 38          | 2 <b>8</b> 27  | 25耳39          | 15 <b>I</b> I51        | 5 <b>Ω</b> 4  | 5 <b>Υ</b> 4  | 16°R52                  | 12529          | 23耳18           | 6°R34         | 895 4        | 13 <b>Ω</b> 10 | 23≈ 0           | F 1          |
| S 2          | 14 38 1              | 11°10'43                    | 27°58                   | 4°31           | 26°35          | 16°31                  | 5°10          | 5°11          | 16 <b>ප</b> 52          | 12°30          | 23°19           | 6926          | 8° 1         | 13°16          | 23° 2           | S 2          |
| S 3          | 14 41 58             | 12° 8'55                    | 10耳57                   | 6°35           | 27°31          | 17°10                  | 5°15          | 5°18          | 16°51                   | 12°31          | 23°20           | 6°21          | 7°58         | 13°23          | 23° 3           | S 3          |
| M 4          | 14 45 54             | 13° 7'04                    | 23°36                   | 8°42           | 28°26          | 17°50                  | 5°21          | 5°24          | 16°51                   | 12°33          | 23°21           | 6°18          | 7°54         | 13°30          | 23° 5           | M 4          |
| T 5          | 14 49 51             | 14° 5'12                    | 5957                    | 10°49          | 29°20          | 18°29                  | 5°27          | 5°30          | 16°50                   | 12°34          | 23°22           | 6°D17         | 7°51         | 13°36          | 23° 6           | T 5          |
| W 6          | 14 53 47             | 15° 3'18                    | 18° 3                   | 12°57          | 09514          | 19° 9                  | 5°33          | 5°37          | 16°49                   | 12°35          | 23°23           | 6°18          | 7°48         | 13°43          | 23° 8           | W 6          |
| T 7          | 14 57 44             | 16° 1'22                    | 29°59                   | 15° 7          | 1° 7           | 19°48                  | 5°40          | 5°43          | 16°48                   | 12°37          | 23°24           | 6°19          | 7°45         | 13°50          | 23° 9           | T 7          |
| F 8          | 15 1 40              | 16°59'24                    | 11 <b>Q</b> 50          | 17°17          | 2° 0           | 20°28                  | 5°46          | 5°49          | 16°48                   | 12°38          | 23°25           | 6°R20         | 7°42         | 13°56          | 23°10           | F 8          |
| S 9          | 15 5 37              | 17°57'24                    | 23°41                   | 19°27          | 2°52           | 21° 7                  | 5°53          | 5°56          | 16°47                   | 12°39          | 23°27           | 6°20          | 7°39         | 14° 3          | 23°11           | S 9          |
| S 10         | 15 9 33              | 18°55'22                    | 5 <b>m</b> /36          | 21°38          | 3°43           | 21°46                  | 6° 0          | 6° 2          | 16°46                   | 12°41          | 23°28           | 6°18          | 7°35         | 14°10          | 23°13           | S 10         |
| M11          | 15 13 30             | 19°53'18                    | 17°41                   | 23°48          | 4°33           | 22°26                  | 6° 7          | 6° 8          | 16°45                   | 12°42          | 23°29           | 6°15          | 7°32         | 14°16          | 23°14           | M11          |
| T 12         | 15 17 27             | 20°51'12                    | 29°59                   | 25°58          | 5°23           | 23° 5                  | 6°14          | 6°14          | 16°44                   | 12°44          | 23°30           | 6°10          | 7°29         | 14°23          | 23°15           | T 12         |
| W13          | 15 21 23             | 21°49'05                    | 12 <b>≏</b> 36          | 28° 8          | 6°12           | 23°44                  | 6°21          | 6°20          | 16°43                   | 12°45          | 23°31           | 6° 3          | 7°26         | 14°30          | 23°16           | W13          |
| T 14         | 15 25 20             | 22°46'56                    | 25°31                   | 0 <b>Ⅱ</b> 17  | 7° 0           | 24°24                  | 6°28          | 6°26          | 16°42                   | 12°47          | 23°33           | 5°56          | 7°23         | 14°36          | 23°17           | T 14         |
| F 15         | 15 29 16             | 23°44'46                    | 8M.45                   | 2°24           | 7°48           | 25° 3                  | 6°35          | 6°32          | 16°41                   | 12°49          | 23°34           | 5°48          | 7°19         | 14°43          | 23°17           | F 15         |
| S 16         | 15 33 13             | 24°42'34                    | 22°18                   | 4°30           | 8°34           | 25°42                  | 6°43          | 6°38          | 16°40                   | 12°50          | 23°35           | 5°42          | 7°16         | 14°50          | 23°18           | S 16         |
| S 17         | 15 37 9              | 25°40'20                    | 6 <b>₹</b> 7            | 6°35           | 9°20           | 26°21                  | 6°51          | 6°43          | 16°39                   | 12°52          | 23°37           | 5°37          | 7°13         | 14°56          | 23°19           | S 17         |
| M18          | 15 41 6              | 26°38'05                    | 20° 8                   | 8°37           | 10° 5          | 27° 0                  | 6°59          | 6°49          | 16°37                   | 12°53          | 23°38           | 5°35          | 7°10         | 15° 3          | 23°20           | M18          |
| T 19         | 15 45 2              | 27°35'50                    | 4 <b>궁</b> 18           | 10°37          | 10°48          | 27°40                  | 7° 6          | 6°55          | 16°36                   | 12°55          | 23°39           | 5°D34         | 7° 7         | 15°10          | 23°20           | T 19         |
| W20          | 15 48 59             | 28°33'32                    | 18°33                   | 12°35          | 11°31          | 28°19                  | 7°14          | 7° 0          | 16°35                   | 12°57          | 23°40           | 5°34          | 7° 4         | 15°17          | 23°21           | W20          |
| T 21         | 15 52 56             | 29°31'14                    | 2 <b>≈</b> 50<br>17° 5  | 14°31          | 12°13<br>12°54 | 28°58<br>29°37         | 7°23          | 7° 6          | 16°33                   | 12°58<br>13° 0 | 23°42<br>23°43  | 5°36          | 7° 0         | 15°23          | 23°21           | T 21         |
| F 22<br>S 23 | 15 56 52<br>16 0 49  | 0 <b>П</b> 28'55<br>1°26'34 | 1/ 3<br>1 <b>)</b> 17   | 16°23<br>18°14 | 12°34<br>13°34 | 29°37<br>0 <b>©</b> 16 | 7°31<br>7°39  | 7°11<br>7°17  | 16°32<br>16°31          | 13° 0          | 23°44<br>23°44  | 5°37<br>5°R37 | 6°57<br>6°54 | 15°30<br>15°37 | 23°22<br>23°22  | F 22<br>S 23 |
|              |                      |                             |                         |                |                |                        |               |               |                         |                |                 |               |              |                |                 |              |
| S 24         | 16 4 45              | 2°24'13                     | 15°24                   | 20° 1          | 14°12          | 0°55                   | 7°48          | 7°22          | 16°29                   | 13° 4          | 23°46           | 5°37          | 6°51         | 15°43          | 23°22           | S 24         |
| M25          | 16 8 42              | 3°21'51                     | 29°23                   | 21°45          | 14°50          | 1°34                   | 7°57          | 7°27          | 16°28                   | 13° 5          | 23°47           | 5°35          | 6°48         | 15°50          | 23°23           | M25          |
| T 26         | 16 12 38             | 4°19'27                     | 13 <b>Υ</b> 14          | 23°27<br>25° 6 | 15°26          | 2°13                   | 8° 5          | 7°32          | 16°26                   | 13° 7<br>13° 9 | 23°48           | 5°31          | 6°45         | 15°57          | 23°23<br>23°23  | T 26<br>W27  |
| W27          | 16 16 35             | 5°17'03                     | 26°54                   | 25° 6<br>26°41 | 16° 1<br>16°34 | 2°52                   | 8°14          | 7°38          | 16°24                   | 13° 9<br>13°11 | 23°50<br>23°51  | 5°27          | 6°41<br>6°38 | 16° 3          |                 | T 28         |
| T 28<br>F 29 | 16 20 31<br>16 24 28 | 6°14'38<br>7°12'12          | 10 <b>8</b> 22<br>23°35 | 26°41<br>28°14 | 16°34<br>17° 7 | 3°31<br>4°10           | 8°23<br>8°32  | 7°43<br>7°48  | 16°23<br>16°21          | 13°11<br>13°13 | 23°51<br>23°52  | 5°22<br>5°18  | 6°38         | 16°10<br>16°17 | 23°R23<br>23°23 | F 29         |
| S 30         | 16 24 28             | 8° 9'45                     | 23 33<br>6 <b>耳</b> 34  | 28 14<br>29°43 | 17°37          | 4°49                   | 8°41          | 7°53          | 16°19                   | 13°15          | 23°54           | 5°15          | 6°32         | 16°23          | 23°23           | S 30         |
| S 31         | 16 32 21             | 9 <b>I</b> 7'17             | 19 <b>I</b> I16         | 19510          | 1896 7         | 5928                   | 8 <b>Ω</b> 51 | 7 <b>°</b> 57 | 16 19<br>16 <b>궁</b> 18 | 13917          | 23 <b>II</b> 55 | 59612         | 6929         | $16\Omega 30$  | 23×23           | S 31         |
| 3 31         | 10 32 21             | э <b>ц</b> /1/              | 171110                  | 1 20 10        | / دځ۱          | 2500                   | 00631         | 1131          | 10018                   | / الاحترا      | 231133          | 212           | 0ئ∠9         | 100630         | 23~~23          | 331          |

Delta T = 9.08 sec

JUNE 1908 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ      | φ      | o <sup>7</sup> | 4              | ħ             | )f(            | ¥      | В              | U     | ಬ    | Ç              | ę,     | Day  |
|------|----------|------------------|----------------|--------|--------|----------------|----------------|---------------|----------------|--------|----------------|-------|------|----------------|--------|------|
| M 1  | 16 36 18 | 10 <b>Ⅱ</b> 4'47 | 19544          | 2933   | 18935  | 6 <b>9</b> 5 7 | 9 <b>N</b> 0   | 8 <b>℃</b> 2  | 16°R16         | 139519 | 23耳57          | 5°D12 | 6925 | 16 <b>Ω</b> 37 | 23°R22 | M 1  |
| T 2  | 16 40 14 | 11° 2'17         | 13°59          | 3°53   | 19° 1  | 6°45           | 9°10           | 8° 7          | 16 <b>ਰ</b> 14 | 13°20  | 23°58          | 59512 | 6°22 | 16°43          | 23≈22  | T 2  |
| W 3  | 16 44 11 | 11°59'45         | 26° 2          | 5°10   | 19°26  | 7°24           | 9°19           | 8°12          | 16°12          | 13°22  | 23°59          | 5°13  | 6°19 | 16°50          | 23°22  | W 3  |
| T 4  | 16 48 7  | 12°57'13         | $7\Omega$ 56   | 6°23   | 19°49  | 8° 3           | 9°29           | 8°16          | 16°10          | 13°24  | 24° 1          | 5°14  | 6°16 | 16°57          | 23°21  | T 4  |
| F 5  | 16 52 4  | 13°54'39         | 19°47          | 7°33   | 20°10  | 8°42           | 9°39           | 8°21          | 16° 8          | 13°26  | 24° 2          | 5°16  | 6°13 | 17° 3          | 23°21  | F 5  |
| S 6  | 16 56 0  | 14°52'04         | 1 <b>m</b> 38  | 8°40   | 20°29  | 9°21           | 9°49           | 8°25          | 16° 7          | 13°28  | 24° 4          | 5°17  | 6°10 | 17°10          | 23°20  | S 6  |
| S 7  | 16 59 57 | 15°49'28         | 13°33          | 9°44   | 20°47  | 10° 0          | 9°59           | 8°29          | 16° 5          | 13°30  | 24° 5          | 5°R18 | 6° 6 | 17°17          | 23°20  | S 7  |
| M 8  | 17 3 54  | 16°46'50         | 25°38          | 10°43  | 21° 2  | 10°38          | 10° 9          | 8°34          | 16° 3          | 13°32  | 24° 6          | 5°18  | 6° 3 | 17°23          | 23°19  | M 8  |
| T 9  | 17 7 50  | 17°44'12         | 7 <b>≙</b> 57  | 11°40  | 21°16  | 11°17          | 10°19          | 8°38          | 16° 1          | 13°34  | 24° 8          | 5°17  | 6° 0 | 17°30          | 23°19  | T 9  |
| W10  | 17 11 47 | 18°41'33         | 20°35          | 12°32  | 21°27  | 11°56          | 10°29          | 8°42          | 15°59          | 13°37  | 24° 9          | 5°15  | 5°57 | 17°37          | 23°18  | W10  |
| T 11 | 17 15 43 | 19°38'52         | 3 <b>M</b> .33 | 13°21  | 21°36  | 12°34          | 10°39          | 8°46          | 15°56          | 13°39  | 24°11          | 5°13  | 5°54 | 17°43          | 23°17  | T 11 |
| F 12 | 17 19 40 | 20°36'11         | 16°55          | 14° 6  | 21°43  | 13°13          | 10°50          | 8°50          | 15°54          | 13°41  | 24°12          | 5°11  | 5°51 | 17°50          | 23°16  | F 12 |
| S 13 | 17 23 36 | 21°33'29         | 0 <b>,</b> 739 | 14°47  | 21°48  | 13°52          | 11° 0          | 8°54          | 15°52          | 13°43  | 24°13          | 5° 9  | 5°47 | 17°57          | 23°15  | S 13 |
| S 14 | 17 27 33 | 22°30'46         | 14°45          | 15°23  | 21°51  | 14°30          | 11°11          | 8°57          | 15°50          | 13°45  | 24°15          | 5° 8  | 5°44 | 18° 3          | 23°14  | S 14 |
| M15  | 17 31 29 | 23°28'02         | 29° 8          | 15°56  | 21°R51 | 15° 9          | 11°21          | 9° 1          | 15°48          | 13°47  | 24°16          | 5°D 7 | 5°41 | 18°10          | 23°13  | M15  |
| T 16 | 17 35 26 | 24°25'18         | 13 <b>云</b> 44 | 16°25  | 21°49  | 15°48          | 11°32          | 9° 5          | 15°46          | 13°49  | 24°18          | 5° 7  | 5°38 | 18°17          | 23°12  | T 16 |
| W17  | 17 39 23 | 25°22'34         | 28°25          | 16°49  | 21°45  | 16°26          | 11°43          | 9° 8          | 15°44          | 13°51  | 24°19          | 5° 8  | 5°35 | 18°24          | 23°11  | W17  |
| T 18 | 17 43 19 | 26°19'49         | 13 <b>≈</b> 6  | 17° 8  | 21°38  | 17° 5          | 11°54          | 9°11          | 15°41          | 13°53  | 24°21          | 5° 9  | 5°31 | 18°30          | 23°10  | T 18 |
| F 19 | 17 47 16 | 27°17'04         | 27°41          | 17°23  | 21°28  | 17°43          | 12° 5          | 9°15          | 15°39          | 13°56  | 24°22          | 5° 9  | 5°28 | 18°37          | 23° 8  | F 19 |
| S 20 | 17 51 12 | 28°14'18         | 12 <b>)</b> 5  | 17°34  | 21°17  | 18°22          | 12°16          | 9°18          | 15°37          | 13°58  | 24°23          | 5°10  | 5°25 | 18°44          | 23° 7  | S 20 |
| S 21 | 17 55 9  | 29°11'33         | 26°14          | 17°40  | 21° 3  | 19° 0          | 12°27          | 9°21          | 15°35          | 14° 0  | 24°25          | 5°R10 | 5°22 | 18°50          | 23° 6  | S 21 |
| M22  | 17 59 5  | 09 8'47          | 10 <b>Y</b> 8  | 17°R41 | 20°46  | 19°39          | 12°38          | 9°24          | 15°32          | 14° 2  | 24°26          | 5°10  | 5°19 | 18°57          | 23° 4  | M22  |
| T 23 | 18 3 2   | 1° 6'01          | 23°46          | 17°38  | 20°28  | 20°17          | 12°49          | 9°27          | 15°30          | 14° 4  | 24°28          | 5°10  | 5°16 | 19° 4          | 23° 3  | T 23 |
| W24  | 18 6 58  | 2° 3'15          | 7 <b>8</b> 7   | 17°31  | 20° 7  | 20°56          | 13° 1          | 9°30          | 15°28          | 14° 6  | 24°29          | 5° 9  | 5°12 | 19°10          | 23° 1  | W24  |
| T 25 | 18 10 55 | 3° 0'29          | 20°12          | 17°19  | 19°44  | 21°34          | 13°12          | 9°33          | 15°25          | 14° 9  | 24°30          | 5° 9  | 5° 9 | 19°17          | 22°59  | T 25 |
| F 26 | 18 14 52 | 3°57'43          | 3 <b>II</b> 3  | 17° 3  | 19°19  | 22°13          | 13°24          | 9°36          | 15°23          | 14°11  | 24°32          | 5° 9  | 5° 6 | 19°24          | 22°58  | F 26 |
| S 27 | 18 18 48 | 4°54'57          | 15°40          | 16°43  | 18°51  | 22°51          | 13°35          | 9°38          | 15°21          | 14°13  | 24°33          | 5°D 9 | 5° 3 | 19°30          | 22°56  | S 27 |
| S 28 | 18 22 45 | 5°52'11          | 28° 5          | 16°19  | 18°22  | 23°30          | 13°47          | 9°41          | 15°18          | 14°15  | 24°35          | 5° 9  | 5° 0 | 19°37          | 22°54  | S 28 |
| M29  | 18 26 41 | 6°49'25          | 109519         | 15°52  | 17°52  | 24° 8          | 13°58          | 9°43          | 15°16          | 14°17  | 24°36          | 5°R 9 | 4°57 | 19°44          | 22°52  | M29  |
| T 30 | 18 30 38 | 79546'38         | 229524         | 159522 | 179519 | 249547         | 14 <b>Ω</b> 10 | 9 <b>Ƴ</b> 45 | 15 <b>る</b> 13 | 149520 | 24 <b>Ⅲ</b> 37 | 595 9 | 4953 | 19 <b>Q</b> 50 | 22≈51  | T 30 |

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| Day  | Sid.t    | 0                | D               | ğ      | ·      | ♂              | 4              | ħ                      | )∤(                    | #      | В              | n            | Ω     | Ç              | ķ      | Day  |
|------|----------|------------------|-----------------|--------|--------|----------------|----------------|------------------------|------------------------|--------|----------------|--------------|-------|----------------|--------|------|
| W 1  | 18 34 34 | 8943'52          | 4 <b>Ω</b> 21   | 14°R50 | 16°R46 | 25925          | 14 <b>Ω</b> 22 | 9 <b>Υ</b> 48          | 15°R11                 | 149522 | 24∏39          | 5°R 8        | 4950  | 19 <b>Ω</b> 57 | 22°R49 | W 1  |
| T 2  | 18 38 31 | 9°41'05          | 16°13           | 149915 | 169911 | 26° 4          | 14°34          | 9°50                   | 15 <b>る</b> 9          | 14°24  | 24°40          | 5 <b>9</b> 8 | 4°47  | 20° 4          | 22≈47  | T 2  |
| F 3  | 18 42 28 | 10°38'18         | 28° 3           | 13°39  | 15°35  | 26°42          | 14°45          | 9°52                   | 15° 6                  | 14°26  | 24°42          | 5° 7         | 4°44  | 20°10          | 22°45  | F 3  |
| S 4  | 18 46 24 | 11°35'30         | 9 <b>m</b> /54  | 13° 2  | 14°58  | 27°20          | 14°57          | 9°54                   | 15° 4                  | 14°29  | 24°43          | 5° 7         | 4°41  | 20°17          | 22°43  | S 4  |
| S 5  | 18 50 21 | 12°32'43         | 21°49           | 12°25  | 14°21  | 27°59          | 15° 9          | 9°55                   | 15° 1                  | 14°31  | 24°44          | 5° 6         | 4°37  | 20°24          | 22°40  | S 5  |
| M 6  | 18 54 17 | 13°29'55         | 3 <b>₾</b> 53   | 11°48  | 13°44  | 28°37          | 15°21          | 9°57                   | 14°59                  | 14°33  | 24°46          | 5° 5         | 4°34  | 20°31          | 22°38  | M 6  |
| T 7  | 18 58 14 | 14°27'07         | 16°10           | 11°13  | 13° 6  | 29°15          | 15°33          | 9°59                   | 14°57                  | 14°35  | 24°47          | 5°D 5        | 4°31  | 20°37          | 22°36  | T 7  |
| W 8  | 19 2 10  | 15°24'19         | 28°44           | 10°39  | 12°29  | 29°54          | 15°46          | 10° 0                  | 14°54                  | 14°37  | 24°48          | 5° 6         | 4°28  | 20°44          | 22°34  | W 8  |
| T 9  | 19 6 7   | 16°21'30         | 11 <b>M</b> .40 | 10° 7  | 11°52  | 0€32           | 15°58          | 10° 2                  | 14°52                  | 14°40  | 24°50          | 5° 6         | 4°25  | 20°51          | 22°32  | T 9  |
| F 10 | 19 10 3  | 17°18'42         | 25° 0           | 9°38   | 11°16  | 1°10           | 16°10          | 10° 3                  | 14°49                  | 14°42  | 24°51          | 5° 7         | 4°22  | 20°57          | 22°29  | F 10 |
| S 11 | 19 14 0  | 18°15'54         | 8 <b>∡</b> 746  | 9°13   | 10°40  | 1°49           | 16°22          | 10° 4                  | 14°47                  | 14°44  | 24°52          | 5° 8         | 4°18  | 21° 4          | 22°27  | S 11 |
| S 12 | 19 17 57 | 19°13'05         | 22°58           | 8°51   | 10° 6  | 2°27           | 16°35          | 10° 5                  | 14°44                  | 14°46  | 24°54          | 5° 9         | 4°15  | 21°11          | 22°24  | S 12 |
| M13  | 19 21 53 | 20°10'17         | 7 <b>궁</b> 32   | 8°33   | 9°33   | 3° 5           | 16°47          | 10° 6                  | 14°42                  | 14°49  | 24°55          | 5°R 9        | 4°12  | 21°17          | 22°22  | M13  |
| T 14 | 19 25 50 | 21° 7'29         | 22°25           | 8°21   | 9° 1   | 3°44           | 16°59          | 10° 7                  | 14°40                  | 14°51  | 24°56          | 5° 9         | 4° 9  | 21°24          | 22°19  | T 14 |
| W15  | 19 29 46 | 22° 4'42         | 7≈27            | 8°13   | 8°32   | 4°22           | 17°12          | 10° 8                  | 14°37                  | 14°53  | 24°58          | 5° 7         | 4° 6  | 21°31          | 22°17  | W15  |
| T 16 | 19 33 43 | 23° 1'55         | 22°31           | 8°D10  | 8° 4   | 5° 0           | 17°24          | 10° 9                  | 14°35                  | 14°55  | 24°59          | 5° 5         | 4° 3  | 21°37          | 22°14  | T 16 |
| F 17 | 19 37 39 | 23°59'08         | 7 <b>)</b> €28  | 8°13   | 7°37   | 5°38           | 17°37          | 10° 9                  | 14°32                  | 14°57  | 25° 0          | 5° 3         | 3°59  | 21°44          | 22°12  | F 17 |
| S 18 | 19 41 36 | 24°56'22         | 22°10           | 8°21   | 7°13   | 6°17           | 17°49          | 10°10                  | 14°30                  | 15° 0  | 25° 2          | 5° 1         | 3°56  | 21°51          | 22° 9  | S 18 |
| S 19 | 19 45 32 | 25°53'37         | 6 <b>Ƴ</b> 31   | 8°35   | 6°52   | 6°55           | 18° 2          | 10°10                  | 14°28                  | 15° 2  | 25° 3          | 4°59         | 3°53  | 21°57          | 22° 7  | S 19 |
| M20  | 19 49 29 | 26°50'52         | 20°29           | 8°54   | 6°32   | 7°33           | 18°14          | 10°11                  | 14°25                  | 15° 4  | 25° 4          | 4°58         | 3°50  | 22° 4          | 22° 4  | M20  |
| T 21 | 19 53 26 | 27°48'08         | 4 <b>8</b> 3    | 9°19   | 6°15   | 8°11           | 18°27          | 10°11                  | 14°23                  | 15° 6  | 25° 5          | 4°D58        | 3°47  | 22°11          | 22° 1  | T 21 |
| W22  | 19 57 22 | 28°45'25         | 17°15           | 9°50   | 6° 0   | 8°49           | 18°40          | 10°11                  | 14°21                  | 15° 8  | 25° 6          | 4°59         | 3°43  | 22°18          | 21°58  | W22  |
| T 23 | 20 1 19  | 29°42'43         | 0 <b>I</b> I 6  | 10°27  | 5°47   | 9°28           | 18°53          | 10°R11                 | 14°18                  | 15°11  | 25° 8          | 5° 0         | 3°40  | 22°24          | 21°56  | T 23 |
| F 24 | 20 5 15  | 0\Omega40'02     | 12°41           | 11° 9  | 5°37   | 10° 6          | 19° 5          | 10°11                  | 14°16                  | 15°13  | 25° 9          | 5° 2<br>5° 3 | 3°37  | 22°31          | 21°53  | F 24 |
| S 25 | 20 9 12  | 1°37'22          | 25° 2           | 11°57  | 5°30   | 10°44          | 19°18          | 10°11                  | 14°14                  | 15°15  | 25°10          |              | 3°34  | 22°38          | 21°50  | S 25 |
| S 26 | 20 13 8  | 2°34'43          | 79513           | 12°50  | 5°24   | 11°22          | 19°31          | 10°10                  | 14°12                  | 15°17  | 25°11          | 5°R 4        | 3°31  | 22°44          | 21°47  | S 26 |
| M27  | 20 17 5  |                  | 19°15           | 13°49  | 5°21   | 12° 1          | 19°44          | 10°10                  | 14° 9                  | 15°19  | 25°12          | 5° 3         | 3°28  | 22°51          | 21°44  | M27  |
| T 28 | 20 21 1  | 4°29'27          | 1011            | 14°54  | 5°D21  | 12°39          | 19°57          | 10° 9                  | 14° 7                  | 15°21  | 25°14          | 5° 0         | 3°24  | 22°58          | 21°41  | T 28 |
| W29  | 20 24 58 | 5°26'50          | 13° 3           | 16° 3  | 5°22   | 13°17          | 20° 9          | 10° 9                  | 14° 5                  | 15°23  | 25°15          | 4°57         | 3°21  | 23° 4          | 21°38  | W29  |
| T 30 | 20 28 55 | 6°24'13          | 24°53           | 17°18  | 5°26   | 13°55          | 20°22          | 10° 8<br>10 <b>°</b> 7 | 14° 3<br>14 <b>궁</b> 1 | 15°26  | 25°16          | 4°52         | 3°18  | 23°11          | 21°35  | T 30 |
| F 31 | 20 32 51 | 7 <b>Ω</b> 21'38 | 6Mp43           | 18938  | 5932   | 14 <b>Ω</b> 33 | 20 <b>Ω</b> 35 | 10.A. \                | 14 <b>0</b> I          | 15928  | 25 <b>Ⅱ</b> 17 | 49546        | 39915 | 23 <b>Ω</b> 18 | 21≈32  | F 31 |

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| Day  | Sid.t    | $\odot$            | D               | φ               | ·      | o <sup>7</sup> | 4              | ħ             | )ұ(            | ¥     | 2              | R     | Ω     | ţ              | δ              | Day  |
|------|----------|--------------------|-----------------|-----------------|--------|----------------|----------------|---------------|----------------|-------|----------------|-------|-------|----------------|----------------|------|
| S 1  | 20 36 48 | 8 <b>N</b> 19'03   | 18 <b>M</b> )35 | 209 3           | 59541  | 15 <b>Ω</b> 12 | 20 <b>Ω</b> 48 | 10°R 6        | 13°R58         | 15930 | 25耳18          | 4°R40 | 39512 | 23 <b>Ω</b> 24 | 21°R29         | S 1  |
| S 2  | 20 40 44 | 9°16'29            | 0 <b>ჲ</b> 32   | 21°32           | 5°51   | 15°50          | 21° 1          | 10 <b>Y</b> 5 | 13 <b>る</b> 56 | 15°32 | 25°19          | 4935  | 3° 8  | 23°31          | 21≈26          | S 2  |
| M 3  | 20 44 41 | 10°13'56           | 12°37           | 23° 6           | 6° 4   | 16°28          | 21°14          | 10° 4         | 13°54          | 15°34 | 25°20          | 4°30  | 3° 5  | 23°38          | 21°23          | M 3  |
| T 4  | 20 48 37 | 11°11'23           | 24°53           | 24°44           | 6°18   | 17° 6          | 21°27          | 10° 3         | 13°52          | 15°36 | 25°21          | 4°28  | 3° 2  | 23°45          | 21°20          | T 4  |
| W 5  | 20 52 34 | 12° 8'51           | 7 <b>™</b> 24   | 26°26           | 6°35   | 17°44          | 21°40          | 10° 2         | 13°50          | 15°38 | 25°22          | 4°D26 | 2°59  | 23°51          | 21°17          | W 5  |
| T 6  | 20 56 30 | 13° 6'20           | 20°15           | 28°12           | 6°53   | 18°22          | 21°53          | 10° 0         | 13°48          | 15°40 | 25°23          | 4°26  | 2°56  | 23°58          | 21°14          | T 6  |
| F 7  | 21 0 27  | 14° 3'49           | 3 <b>∡</b> 728  | 0 <b>Ω</b> 1    | 7°13   | 19° 1          | 22° 6          | 9°59          | 13°46          | 15°42 | 25°24          | 4°27  | 2°53  | 24° 5          | 21°11          | F 7  |
| S 8  | 21 4 24  | 15° 1'20           | 17° 7           | 1°53            | 7°35   | 19°39          | 22°19          | 9°57          | 13°44          | 15°44 | 25°25          | 4°29  | 2°49  | 24°11          | 21° 8          | S 8  |
| S 9  | 21 8 20  | 15°58'51           | 1 <b>ਰ</b> 14   | 3°47            | 7°59   | 20°17          | 22°32          | 9°55          | 13°42          | 15°46 | 25°26          | 4°R30 | 2°46  | 24°18          | 21° 5          | S 9  |
| M10  | 21 12 17 | 16°56'23           | 15°47           | 5°44            | 8°24   | 20°55          | 22°45          | 9°54          | 13°40          | 15°48 | 25°27          | 4°29  | 2°43  | 24°25          | 21° 2          | M10  |
| T 11 | 21 16 13 | 17°53'57           | 0≈42            | 7°42            | 8°51   | 21°33          | 22°58          | 9°52          | 13°38          | 15°50 | 25°28          | 4°27  | 2°40  | 24°31          | 20°59          | T 11 |
| W12  | 21 20 10 | 18°51'31           | 15°53           | 9°42            | 9°19   | 22°11          | 23°12          | 9°50          | 13°37          | 15°52 | 25°29          | 4°23  | 2°37  | 24°38          | 20°56          | W12  |
| T 13 | 21 24 6  | 19°49'06           | 1 <b>)(</b> 11  | 11°43           | 9°49   | 22°49          | 23°25          | 9°48          | 13°35          | 15°54 | 25°30          | 4°17  | 2°34  | 24°45          | 20°53          | T 13 |
| F 14 | 21 28 3  | 20°46'43           | 16°23           | 13°45           | 10°20  | 23°28          | 23°38          | 9°46          | 13°33          | 15°56 | 25°31          | 4°10  | 2°30  | 24°51          | 20°50          | F 14 |
| S 15 | 21 31 59 | 21°44'20           | 1 <b>Y</b> 21   | 15°47           | 10°53  | 24° 6          | 23°51          | 9°43          | 13°31          | 15°58 | 25°32          | 4° 3  | 2°27  | 24°58          | 20°46          | S 15 |
| S 16 | 21 35 56 | 22°42'00           | 15°55           | 17°49           | 11°27  | 24°44          | 24° 4          | 9°41          | 13°30          | 16° 0 | 25°33          | 3°58  | 2°24  | 25° 5          | 20°43          | S 16 |
| M17  | 21 39 53 | 23°39'41           | 0 <b>8</b> 3    | 19°51           | 12° 3  | 25°22          | 24°17          | 9°38          | 13°28          | 16° 1 | 25°34          | 3°53  | 2°21  | 25°12          | 20°40          | M17  |
| T 18 | 21 43 49 | 24°37'23           | 13°41           | 21°53           | 12°39  | 26° 0          | 24°30          | 9°36          | 13°26          | 16° 3 | 25°34          | 3°51  | 2°18  | 25°18          | 20°37          | T 18 |
| W19  | 21 47 46 | 25°35'08           | 26°53           | 23°54           | 13°17  | 26°38          | 24°43          | 9°33          | 13°25          | 16° 5 | 25°35          | 3°D50 | 2°14  | 25°25          | 20°34          | W19  |
| T 20 | 21 51 42 | 26°32'54           | 9 <b>Ⅱ</b> 40   | 25°54           | 13°56  | 27°17          | 24°56          | 9°31          | 13°23          | 16° 7 | 25°36          | 3°51  | 2°11  | 25°32          | 20°31          | T 20 |
| F 21 | 21 55 39 | 27°30'41           | 22° 7           | 27°54           | 14°36  | 27°55          | 25° 9          | 9°28          | 13°22          | 16° 9 | 25°37          | 3°52  | 2° 8  | 25°38          | 20°28          | F 21 |
| S 22 | 21 59 35 | 28°28'31           | 49520           | 29°53           | 15°18  | 28°33          | 25°23          | 9°25          | 13°20          | 16°10 | 25°37          | 3°R53 | 2° 5  | 25°45          | 20°25          | S 22 |
| S 23 | 22 3 32  | 29°26'22           | 16°21           | 1 <b>m</b> 50   | 16° 0  | 29°11          | 25°36          | 9°22          | 13°19          | 16°12 | 25°38          | 3°52  | 2° 2  | 25°52          | 20°22          | S 23 |
| M24  | 22 7 28  | 0 <b>m</b> 24'14   | 28°15           | 3°46            | 16°43  | 29°49          | 25°49          | 9°19          | 13°17          | 16°14 | 25°39          | 3°49  | 1°59  | 25°58          | 20°19          | M24  |
| T 25 | 22 11 25 | 1°22'09            | 10 <b>N</b> 6   | 5°42            | 17°27  | 0 <b>m</b> 27  | 26° 2          | 9°16          | 13°16          | 16°16 | 25°40          | 3°43  | 1°55  | 26° 5          | 20°16          | T 25 |
| W26  | 22 15 22 | 2°20'05            | 21°55           | 7°36            | 18°12  | 1° 6           | 26°15          | 9°13          | 13°15          | 16°17 | 25°40          | 3°35  | 1°52  | 26°12          | 20°13          | W26  |
| T 27 | 22 19 18 | 3°18'02            | 3 <b>m</b> 46   | 9°28            | 18°58  | 1°44           | 26°28          | 9° 9          | 13°13          | 16°19 | 25°41          | 3°25  | 1°49  | 26°18          | 20°10          | T 27 |
| F 28 | 22 23 15 | 4°16'01            | 15°39           | 11°20           | 19°45  | 2°22           | 26°41          | 9° 6          | 13°12          | 16°21 | 25°42          | 3°14  | 1°46  | 26°25          | 20° 7          | F 28 |
| S 29 | 22 27 11 | 5°14'01            | 27°36           | 13°10           | 20°33  | 3° 0           | 26°54          | 9° 3          | 13°11          | 16°22 | 25°42          | 3° 2  | 1°43  | 26°32          | 20° 4          | S 29 |
| S 30 | 22 31 8  | 6°12'03            | 9 <b>॒</b> 39   | 14°59           | 21°21  | 3°38           | 27° 7          | 8°59          | 13°10          | 16°24 | 25°43          | 2°51  | 1°40  | 26°39          | 20° 1          | S 30 |
| M31  | 22 35 4  | 7 <b>m</b> ) 10'07 | 21 <b>≏</b> 50  | 16 <b>M</b> )47 | 229510 | 4 Mp 17        | 27 <b>Ω</b> 20 | 8 <b>Y</b> 56 | 13 <b>る</b> 9  | 16925 | 25 <b>Ⅱ</b> 43 | 29542 | 19936 | 26 <b>Ω</b> 45 | 19 <b>≈</b> 58 | M31  |

Delta T = 9.39 sec

SEPTEMBER 1908 00:00 UT

| Day  | Sid.t    | 0                | D               | β              | φ            | ♂             | 4              | ħ             | )∤(            | ¥      | В              | v     | ß     | ţ              | ę<br>k         | Day  |
|------|----------|------------------|-----------------|----------------|--------------|---------------|----------------|---------------|----------------|--------|----------------|-------|-------|----------------|----------------|------|
| T 1  | 22 39 1  | 8 mg 8'12        | 4 <b>M</b> .10  | 18 <b>m</b> 33 | 2399 0       | 4 <b>m</b> 55 | 27 <b>Ω</b> 33 | 8°R52         | 13°R 8         | 16927  | 25 <b>Ⅱ</b> 44 | 2°R34 | 19933 | 26 <b>Ω</b> 52 | 19°R55         | T 1  |
| W 2  | 22 42 57 | 9° 6'18          | 16°43           | 20°18          | 23°51        | 5°33          | 27°46          | 8 <b>Ƴ</b> 48 | 13 <b>る</b> 7  | 16°28  | 25°44          | 2930  | 1°30  | 26°59          | 19≈52          | W 2  |
| T 3  | 22 46 54 | 10° 4'26         | 29°32           | 22° 2          | 24°42        | 6°11          | 27°59          | 8°44          | 13° 6          | 16°30  | 25°45          | 2°28  | 1°27  | 27° 5          | 19°49          | T 3  |
| F 4  | 22 50 50 | 11° 2'35         | 12 <b>×</b> 740 | 23°45          | 25°34        | 6°49          | 28°12          | 8°41          | 13° 5          | 16°31  | 25°45          | 2°D27 | 1°24  | 27°12          | 19°47          | F 4  |
| S 5  | 22 54 47 | 12° 0'46         | 26°10           | 25°26          | 26°27        | 7°28          | 28°25          | 8°37          | 13° 4          | 16°33  | 25°46          | 2°R27 | 1°20  | 27°19          | 19°44          | S 5  |
| S 6  | 22 58 44 | 12°58'58         | 10ට 6           | 27° 6          | 27°20        | 8° 6          | 28°38          | 8°33          | 13° 3          | 16°34  | 25°46          | 2°27  | 1°17  | 27°25          | 19°41          | S 6  |
| M 7  | 23 2 40  | 13°57'12         | 24°27           | 28°46          | 28°14        | 8°44          | 28°51          | 8°29          | 13° 2          | 16°36  | 25°47          | 2°26  | 1°14  | 27°32          | 19°38          | M 7  |
| T 8  | 23 6 37  | 14°55'27         | 9≈12            | 0 <b>ჲ</b> 23  | 29° 8        | 9°22          | 29° 4          | 8°25          | 13° 1          | 16°37  | 25°47          | 2°22  | 1°11  | 27°39          | 19°36          | T 8  |
| W 9  | 23 10 33 | 15°53'44         | 24°15           | 2° 0           | 0 <b>Ω</b> 3 | 10° 1         | 29°16          | 8°21          | 13° 1          | 16°38  | 25°48          | 2°15  | 1° 8  | 27°46          | 19°33          | W 9  |
| T 10 | 23 14 30 | 16°52'03         | 9 <b>米</b> 30   | 3°36           | 0°59         | 10°39         | 29°29          | 8°16          | 13° 0          | 16°40  | 25°48          | 2° 6  | 1° 5  | 27°52          | 19°30          | T 10 |
| F 11 | 23 18 26 | 17°50'23         | 24°44           | 5°10           | 1°55         | 11°17         | 29°42          | 8°12          | 12°59          | 16°41  | 25°48          | 1°56  | 1° 1  | 27°59          | 19°28          | F 11 |
| S 12 | 23 22 23 | 18°48'45         | 9 <b>Ƴ</b> 47   | 6°44           | 2°52         | 11°55         | 29°55          | 8° 8          | 12°59          | 16°42  | 25°49          | 1°45  | 0°58  | 28° 6          | 19°25          | S 12 |
| S 13 | 23 26 19 | 19°47'09         | 24°29           | 8°16           | 3°49         | 12°34         | 0Mp 7          | 8° 4          | 12°58          | 16°43  | 25°49          | 1°35  | 0°55  | 28°12          | 19°23          | S 13 |
| M14  | 23 30 16 | 20°45'35         | 8 <b>8</b> 45   | 9°47           | 4°46         | 13°12         | 0°20           | 7°59          | 12°58          | 16°45  | 25°49          | 1°28  | 0°52  | 28°19          | 19°20          | M14  |
| T 15 | 23 34 13 | 21°44'03         | 22°30           | 11°17          | 5°44         | 13°50         | 0°33           | 7°55          | 12°58          | 16°46  | 25°50          | 1°23  | 0°49  | 28°26          | 19°18          | T 15 |
| W16  | 23 38 9  | 22°42'33         | 5 <b>Ⅱ</b> 46   | 12°46          | 6°43         | 14°28         | 0°45           | 7°50          | 12°57          | 16°47  | 25°50          | 1°20  | 0°46  | 28°32          | 19°15          | W16  |
| T 17 | 23 42 6  | 23°41'06         | 18°36           | 14°14          | 7°42         | 15° 7         | 0°58           | 7°46          | 12°57          | 16°48  | 25°50          | 1°19  | 0°42  | 28°39          | 19°13          | T 17 |
| F 18 | 23 46 2  | 24°39'41         | 199 3           | 15°41          | 8°41         | 15°45         | 1°10           | 7°41          | 12°57          | 16°49  | 25°50          | 1°19  | 0°39  | 28°46          | 19°11          | F 18 |
| S 19 | 23 49 59 | 25°38'18         | 13°13           | 17° 6          | 9°41         | 16°23         | 1°23           | 7°37          | 12°56          | 16°50  | 25°50          | 1°19  | 0°36  | 28°53          | 19° 8          | S 19 |
| S 20 | 23 53 55 | 26°36'57         | 25°12           | 18°31          | 10°41        | 17° 2         | 1°35           | 7°32          | 12°56          | 16°51  | 25°50          | 1°17  | 0°33  | 28°59          | 19° 6          | S 20 |
| M21  | 23 57 52 | 27°35'39         | 7 <b>Ω</b> 3    | 19°54          | 11°42        | 17°40         | 1°48           | 7°28          | 12°56          | 16°52  | 25°51          | 1°13  | 0°30  | 29° 6          | 19° 4          | M21  |
| T 22 | 0 1 48   | 28°34'22         | 18°52           | 21°16          | 12°43        | 18°18         | 2° 0           | 7°23          | 12°56          | 16°53  | 25°51          | 1° 6  | 0°26  | 29°13          | 19° 2          | T 22 |
| W23  | 0 5 45   | 29°33'08         | 0 Mp 42         | 22°37          | 13°44        | 18°57         | 2°13           | 7°19          | 12°D56         | 16°54  | 25°51          | 0°56  | 0°23  | 29°19          | 19° 0          | W23  |
| T 24 | 0 9 42   | 0 <b>≏</b> 31'55 | 12°36           | 23°57          | 14°46        | 19°35         | 2°25           | 7°14          | 12°56          | 16°55  | 25°51          | 0°44  | 0°20  | 29°26          | 18°58          | T 24 |
| F 25 | 0 13 38  | 1°30'45          | 24°35           | 25°15          | 15°48        | 20°14         | 2°37           | 7° 9          | 12°56          | 16°56  | 25°51          | 0°30  | 0°17  | 29°33          | 18°56          | F 25 |
| S 26 | 0 17 35  | 2°29'37          | 6 <b>≏</b> 41   | 26°32          | 16°51        | 20°52         | 2°49           | 7° 5          | 12°56          | 16°57  | 25°R51         | 0°16  | 0°14  | 29°39          | 18°54          | S 26 |
| S 27 | 0 21 31  | 3°28'31          | 18°55           | 27°47          | 17°53        | 21°30         | 3° 1           | 7° 0          | 12°57          | 16°57  | 25°51          | 0° 2  | 0°11  | 29°46          | 18°52          | S 27 |
| M28  | 0 25 28  | 4°27'26          | 1 <b>M</b> .18  | 29° 1          | 18°56        | 22° 9         | 3°14           | 6°55          | 12°57          | 16°58  | 25°51          | 29耳50 | 0° 7  | 29°53          | 18°50          | M28  |
| T 29 | 0 29 24  | 5°26'24          | 13°50           | 0 <b>M</b> 13  | 20° 0        | 22°47         | 3°26           | 6°50          | 1 <u>2</u> °57 | 16°59  | 25°51          | 29°41 | 0° 4  | 29°59          | 18°48          | T 29 |
| W30  | 0 33 21  | 6 <b>≏</b> 25'24 | 26M32           | 1 <b>M</b> 24  | 210 4        | 23 Mp 26      | 3 Mp 38        | 6 <b>Υ</b> 46 | 12 <b>る</b> 58 | 1799 0 | 25 <b>Ⅱ</b> 51 | 29耳35 | 09 1  | 0 <b>™</b> 6   | 18 <b>≈</b> 46 | W30  |

Delta T = 9.49 sec

OCTOBER 1908 00:00 UT

| Day  | Sid.t   | $\odot$          | ))              | φ            | φ              | ď              | 4             | ħ             | )ұ(            | ¥      | P 2             | ß              | Ω     | ţ             | δ              | Day  |
|------|---------|------------------|-----------------|--------------|----------------|----------------|---------------|---------------|----------------|--------|-----------------|----------------|-------|---------------|----------------|------|
| T 1  | 0 37 17 | 7 <b>≏</b> 24'25 | 9 <b>∡</b> 128  | 2M32         | 22 <b>N</b> 7  | 24 Mp 4        | 3 Mp 49       | 6°R41         | 12 <b>る</b> 58 | 1795 0 | 25°R51          | 29°R31         | 29耳58 | 0 <b>m</b> 13 | 18°R45         | T 1  |
| F 2  | 0 41 14 | 8°23'28          | 22°38           | 3°39         | 23°12          | 24°42          | 4° 1          | 6 <b>Y</b> 36 | 12°58          | 17° 1  | 25 <b>II</b> 51 | 29耳30          | 29°55 | 0°20          | 18 <b>≈</b> 43 | F 2  |
| S 3  | 0 45 11 | 9°22'33          | 6 <b>ප</b> 5    | 4°44         | 24°16          | 25°21          | 4°13          | 6°32          | 12°59          | 17° 2  | 25°50           | 29°30          | 29°51 | 0°26          | 18°41          | S 3  |
| S 4  | 0 49 7  | 10°21'40         | 19°52           | 5°46         | 25°21          | 25°59          | 4°25          | 6°27          | 12°59          | 17° 2  | 25°50           | 29°30          | 29°48 | 0°33          | 18°40          | S 4  |
| M 5  | 0 53 4  | 11°20'49         | 4≈ 0            | 6°46         | 26°26          | 26°38          | 4°37          | 6°22          | 13° 0          | 17° 3  | 25°50           | 29°28          | 29°45 | 0°40          | 18°38          | M 5  |
| T 6  | 0 57 0  | 12°19'59         | 18°27           | 7°43         | 27°31          | 27°16          | 4°48          | 6°18          | 13° 1          | 17° 3  | 25°50           | 29°25          | 29°42 | 0°47          | 18°37          | T 6  |
| W 7  | 1 0 57  | 13°19'11         | 3 <b>∺</b> 12   | 8°37         | 28°37          | 27°55          | 5° 0          | 6°13          | 13° 1          | 17° 4  | 25°50           | 29°18          | 29°39 | 0°53          | 18°35          | W 7  |
| T 8  | 1 4 53  | 14°18'24         | 18° 8           | 9°28         | 29°43          | 28°33          | 5°11          | 6° 8          | 13° 2          | 17° 4  | 25°49           | 29° 9          | 29°36 | 1° 0          | 18°34          | T 8  |
| F 9  | 1 8 50  | 15°17'40         | 3 <b>Υ</b> 6    | 10°15        | 0 <b>m</b> 49  | 29°12          | 5°23          | 6° 4          | 13° 3          | 17° 5  | 25°49           | 28°59          | 29°32 | 1° 7          | 18°33          | F 9  |
| S 10 | 1 12 46 | 16°16'57         | 17°59           | 10°59        | 1°55           | 29°50          | 5°34          | 5°59          | 13° 4          | 17° 5  | 25°49           | 28°48          | 29°29 | 1°13          | 18°32          | S 10 |
| S 11 | 1 16 43 | 17°16'17         | 2 <b>8</b> 35   | 11°38        | 3° 2           | 0 <b>ჲ</b> 29  | 5°45          | 5°54          | 13° 5          | 17° 5  | 25°48           | 28°38          | 29°26 | 1°20          | 18°30          | S 11 |
| M12  | 1 20 39 | 18°15'39         | 16°50           | 12°13        | 4° 9           | 1° 7           | 5°57          | 5°50          | 13° 6          | 17° 6  | 25°48           | 28°30          | 29°23 | 1°27          | 18°29          | M12  |
| T 13 | 1 24 36 | 19°15'03         | 0 <b>Ⅱ</b> 37   | 12°43        | 5°16           | 1°46           | 6° 8          | 5°45          | 13° 7          | 17° 6  | 25°48           | 28°24          | 29°20 | 1°33          | 18°28          | T 13 |
| W14  | 1 28 33 | 20°14'29         | 13°57           | 13° 7        | 6°23           | 2°24           | 6°19          | 5°41          | 13° 8          | 17° 6  | 25°47           | 28°21          | 29°17 | 1°40          | 18°27          | W14  |
| T 15 | 1 32 29 | 21°13'58         | 26°50           | 13°25        | 7°30           | 3° 3           | 6°30          | 5°36          | 13° 9          | 17° 6  | 25°47           | 28°D20         | 29°13 | 1°47          | 18°27          | T 15 |
| F 16 | 1 36 26 | 22°13'29         | 9 <b>9</b> 21   | 13°37        | 8°38           | 3°42           | 6°41          | 5°32          | 13°10          | 17° 7  | 25°47           | 28°20          | 29°10 | 1°54          | 18°26          | F 16 |
| S 17 | 1 40 22 | 23°13'02         | 21°34           | 13°R42       | 9°46           | 4°20           | 6°52          | 5°28          | 13°11          | 17° 7  | 25°46           | 28°R21         | 29° 7 | 2° 0          | 18°25          | S 17 |
| S 18 | 1 44 19 | 24°12'37         | 3 <b>Ω</b> 34   | 13°39        | 10°54          | 4°59           | 7° 2          | 5°23          | 13°13          | 17° 7  | 25°46           | 28°20          | 29° 4 | 2° 7          | 18°24          | S 18 |
| M19  | 1 48 15 | 25°12'15         | 15°26           | 13°28        | 12° 2          | 5°37           | 7°13          | 5°19          | 13°14          | 17° 7  | 25°45           | 28°18          | 29° 1 | 2°14          | 18°24          | M19  |
| T 20 | 1 52 12 | 26°11'55         | 27°16           | 13° 9        | 13°11          | 6°16           | 7°24          | 5°15          | 13°15          | 17° 7  | 25°45           | 28°13          | 28°57 | 2°20          | 18°23          | T 20 |
| W21  | 1 56 9  | 27°11'37         | 9 <b>m</b> , 8  | 12°41        | 14°19          | 6°55           | 7°34          | 5°11          | 13°17          | 17°R 7 | 25°44           | 28° 6          | 28°54 | 2°27          | 18°22          | W21  |
| T 22 | 2 0 5   | 28°11'21         | 21° 5           | 12° 4        | 15°28          | 7°33           | 7°45          | 5° 6          | 13°18          | 17° 7  | 25°44           | 27°57          | 28°51 | 2°34          | 18°22          | T 22 |
| F 23 | 2 4 2   | 29°11'08         | 3 <b>≏</b> 11   | 11°18        | 16°37          | 8°12           | 7°55          | 5° 2          | 13°20          | 17° 7  | 25°43           | 27°46          | 28°48 | 2°41          | 18°22          | F 23 |
| S 24 | 2 7 58  | 0 <b>M</b> 10'56 | 15°27           | 10°23        | 17°46          | 8°51           | 8° 5          | 4°58          | 13°21          | 17° 7  | 25°42           | 27°35          | 28°45 | 2°47          | 18°21          | S 24 |
| S 25 | 2 11 55 | 1°10'47          | 27°55           | 9°22         | 18°56          | 9°30           | 8°15          | 4°54          | 13°23          | 17° 7  | 25°42           | 27°24          | 28°42 | 2°54          | 18°21          | S 25 |
| M26  | 2 15 51 | 2°10'39          | 10 <b>M</b> .34 | 8°13         | 20° 5          | 10° 8          | 8°25          | 4°50          | 13°24          | 17° 7  | 25°41           | 27°15          | 28°38 | 3° 1          | 18°21          | M26  |
| T 27 | 2 19 48 | 3°10'34          | 23°24           | 7° 0         | 21°15          | 10°47          | 8°35          | 4°47          | 13°26          | 17° 6  | 25°41           | 27° 8          | 28°35 | 3° 7          | 18°21          | T 27 |
| W28  | 2 23 44 | 4°10'30          | 6 <b>₹</b> 26   | 5°44         | 22°24          | 11°26          | 8°45          | 4°43          | 13°28          | 17° 6  | 25°40           | 27° 3          | 28°32 | 3°14          | 18°20          | W28  |
| T 29 | 2 27 41 | 5°10'28          | 19°39           | 4°27         | 23°34          | 12° 5          | 8°55          | 4°39          | 13°30          | 17° 6  | 25°39           | 27° 1          | 28°29 | 3°21          | 18°D20         | T 29 |
| F 30 | 2 31 37 | 6°10'28          | 3 <b>전</b> 3    | 3°11         | 24°44          | 12°43          | 9° 5          | 4°35          | 1 <u>3</u> °32 | 17° 6  | 25°39           | 27°D 1         | 28°26 | 3°27          | 18°20          | F 30 |
| S 31 | 2 35 34 | 7 <b>™</b> 10'30 | 16 <b>る</b> 39  | 2 <b>M</b> 0 | 25 <b>m</b> 55 | 13 <b>≏</b> 22 | 9 <b>m</b> 14 | <b>4</b> Υ32  | 13 <b>る</b> 33 | 1795 5 | 25耳38           | 27 <b>II</b> 2 | 28Ⅱ23 | 3 <b>m</b> 34 | 18 <b>≈</b> 21 | S 31 |

Delta T = 9.59 sec

NOVEMBER 1908 00:00 UT

| Day  | Sid.t   | 0                 | D              | ğ               | φ              | ♂              | 4             | ħ             | )ұ(            | 卉      | Р      | ß               | Ω     | Ç             | 8              | Day  |
|------|---------|-------------------|----------------|-----------------|----------------|----------------|---------------|---------------|----------------|--------|--------|-----------------|-------|---------------|----------------|------|
| S 1  | 2 39 31 | 8ML10'33          | 0≈28           | 0°R54           | 27 mg 5        | 14 <b>♀</b> 1  | 9 <b>m</b> 24 | 4°R28         | 13 <b>云</b> 35 | 17°R 5 | 25°R37 | 27 <b>I</b> I 3 | 28耳19 | 3 Mp 41       | 18≈21          | S 1  |
| M 2  | 2 43 27 | 9°10'38           | 14°29          | 29 <b>≙</b> 57  | 28°16          | 14°40          | 9°33          | <b>4</b> Υ25  | 13°37          | 1795 4 | 25Ⅲ36  | 27°R 3          | 28°16 | 3°48          | 18°21          | M 2  |
| T 3  | 2 47 24 | 10°10'44          | 28°42          | 29°10           | 29°26          | 15°19          | 9°42          | 4°22          | 13°39          | 17° 4  | 25°36  | 27° 2           | 28°13 | 3°54          | 18°21          | T 3  |
| W 4  | 2 51 20 | 11°10'52          | 13 <b>米</b> 6  | 28°33           | 0 <b>ჲ</b> 37  | 15°57          | 9°51          | 4°18          | 13°41          | 17° 4  | 25°35  | 26°58           | 28°10 | 4° 1          | 18°22          | W 4  |
| T 5  | 2 55 17 | 12°11'01          | 27°36          | 28° 8           | 1°48           | 16°36          | 10° 0         | 4°15          | 13°43          | 17° 3  | 25°34  | 26°53           | 28° 7 | 4° 8          | 18°22          | T 5  |
| F 6  | 2 59 13 | 13°11'11          | 12 <b>Y</b> 8  | 27°54           | 2°59           | 17°15          | 10° 9         | 4°12          | 13°46          | 17° 3  | 25°33  | 26°46           | 28° 3 | 4°14          | 18°23          | F 6  |
| S 7  | 3 3 10  | 14°11'24          | 26°35          | 27°D52          | 4°10           | 17°54          | 10°18         | 4° 9          | 13°48          | 17° 2  | 25°32  | 26°39           | 28° 0 | 4°21          | 18°23          | S 7  |
| S 8  | 3 7 6   | 15°11'38          | 10851          | 28° 1           | 5°21           | 18°33          | 10°27         | 4° 6          | 13°50          | 17° 1  | 25°32  | 26°33           | 27°57 | 4°28          | 18°24          | S 8  |
| M 9  | 3 11 3  | 16°11'54          | 24°50          | 28°20           | 6°32           | 19°12          | 10°35         | 4° 3          | 13°52          | 17° 1  | 25°31  | 26°27           | 27°54 | 4°35          | 18°24          | M 9  |
| T 10 | 3 15 0  | 17°12'11          | 8 <b>Ⅱ</b> 29  | 28°49           | 7°44           | 19°51          | 10°44         | 4° 0          | 13°55          | 17° 0  | 25°30  | 26°24           | 27°51 | 4°41          | 18°25          | T 10 |
| W11  | 3 18 56 | 18°12'31          | 21°45          | 29°27           | 8°56           | 20°30          | 10°52         | 3°58          | 13°57          | 16°59  | 25°29  | 26°D22          | 27°48 | 4°48          | 18°26          | W11  |
| T 12 | 3 22 53 | 19°12'52          | 4938           | 0 <b>M</b> 12   | 10° 7          | 21° 9          | 11° 0         | 3°55          | 13°59          | 16°59  | 25°28  | 26°23           | 27°44 | 4°55          | 18°27          | T 12 |
| F 13 | 3 26 49 | 20°13'15          | 17°11          | 1° 5            | 11°19          | 21°48          | 11°8          | 3°52          | 14° 2          | 16°58  | 25°27  | 26°24           | 27°41 | 5° 1          | 18°28          | F 13 |
| S 14 | 3 30 46 | 21°13'40          | 29°26          | 2° 4            | 12°31          | 22°27          | 11°16         | 3°50          | 14° 4          | 16°57  | 25°26  | 26°26           | 27°38 | 5° 8          | 18°29          | S 14 |
| S 15 | 3 34 42 | 22°14'07          | 11 <b>£</b> 29 | 3° 8            | 13°43          | 23° 6          | 11°24         | 3°48          | 14° 7          | 16°56  | 25°25  | 26°27           | 27°35 | 5°15          | 18°30          | S 15 |
| M16  | 3 38 39 | 23°14'36          | 23°23          | 4°16            | 14°55          | 23°45          | 11°32         | 3°45          | 14° 9          | 16°56  | 25°24  | 26°R28          | 27°32 | 5°22          | 18°31          | M16  |
| T 17 | 3 42 35 | 24°15'07          | 5 <b>m</b> 15  | 5°29            | 16° 7          | 24°24          | 11°39         | 3°43          | 14°12          | 16°55  | 25°23  | 26°27           | 27°28 | 5°28          | 18°32          | T 17 |
| W18  | 3 46 32 | 25°15'39          | 17° 8          | 6°45            | 17°20          | 25° 3          | 11°46         | 3°41          | 14°14          | 16°54  | 25°22  | 26°25           | 27°25 | 5°35          | 18°33          | W18  |
| T 19 | 3 50 29 | 26°16'13          | 29° 8          | 8° 4            | 18°32          | 25°42          | 11°54         | 3°39          | 14°17          | 16°53  | 25°21  | 26°21           | 27°22 | 5°42          | 18°35          | T 19 |
| F 20 | 3 54 25 | 27°16'49          | 11 <b>≏</b> 18 | 9°26            | 19°45          | 26°21          | 12° 1         | 3°37          | 14°20          | 16°52  | 25°20  | 26°17           | 27°19 | 5°48          | 18°36          | F 20 |
| S 21 | 3 58 22 | 28°17'26          | 23°41          | 10°49           | 20°57          | 27° 0          | 12° 8         | 3°36          | 14°22          | 16°51  | 25°19  | 26°12           | 27°16 | 5°55          | 18°38          | S 21 |
| S 22 | 4 2 18  | 29°18'06          | 6 <b>M</b> .19 | 12°15           | 22°10          | 27°39          | 12°15         | 3°34          | 14°25          | 16°50  | 25°18  | 26° 7           | 27°13 | 6° 2          | 18°39          | S 22 |
| M23  | 4 6 15  | 0 <b>₮</b> 18'46  | 19°14          | 13°42           | 23°23          | 28°18          | 12°21         | 3°33          | 14°28          | 16°49  | 25°17  | 26° 3           | 27° 9 | 6° 9          | 18°41          | M23  |
| T 24 | 4 10 11 | 1°19'28           | 2 <b>₹</b> 25  | 15°10           | 24°35          | 28°58          | 12°28         | 3°31          | 14°31          | 16°48  | 25°16  | 26° 0           | 27° 6 | 6°15          | 18°42          | T 24 |
| W25  | 4 14 8  | 2°20'12           | 15°50          | 16°39           | 25°48          | 29°37          | 12°34         | 3°30          | 14°34          | 16°47  | 25°15  | 25°59           | 27° 3 | 6°22          | 18°44          | W25  |
| T 26 | 4 18 4  | 3°20'57           | 29°29          | 18° 8           | 27° 1          | 0 <b>M</b> .16 | 12°40         | 3°29          | 14°36          | 16°46  | 25°14  | 25°D58          | 27° 0 | 6°29          | 18°46          | T 26 |
| F 27 | 4 22 1  | 4°21'43           | 13 <b>る</b> 18 | 19°39           | 28°14          | 0°55           | 12°47         | 3°27          | 14°39          | 16°45  | 25°13  | 25°59           | 26°57 | 6°35          | 18°48          | F 27 |
| S 28 | 4 25 58 | 5°22'30           | 27°16          | 21°10           | 29°27          | 1°34           | 12°52         | 3°26          | 14°42          | 16°43  | 25°12  | 26° 0           | 26°54 | 6°42          | 18°49          | S 28 |
| S 29 | 4 29 54 | 6°23'18           | 11≈20          | 22°42           | 0 <b>M</b> .41 | 2°13           | 12°58         | 3°26          | 14°45          | 16°42  | 25°11  | 26° 2           | 26°50 | 6°49          | 18°51          | S 29 |
| M30  | 4 33 51 | 7 <b>∡</b> 124'07 | 25≈29          | 24 <b>M</b> .14 | 1 <b>M</b> .54 | 2 <b>M</b> .53 | 13 Mp 4       | 3 <b>℃</b> 25 | 14 <b>石</b> 48 | 169541 | 25耳 9  | 26耳 3           | 26耳47 | 6 <b>M</b> 56 | 18 <b>≈</b> 53 | M30  |

Delta T = 9.69 sec

DECEMBER 1908 00:00 UT

| Day  | Sid.t   | $\odot$           | D              | φ              | φ             | o <sup>7</sup> | 4       | ħ             | )ұ(            | ¥      | P .             | ß              | Ω              | ţ              | δ     | Day  |
|------|---------|-------------------|----------------|----------------|---------------|----------------|---------|---------------|----------------|--------|-----------------|----------------|----------------|----------------|-------|------|
| T 1  | 4 37 47 | 8 <b>∡</b> 124'57 | 9 <b>)(</b> 40 | 25 <b>M</b> 46 | 3M 7          | 3M32           | 13 mg 9 | 3°R24         | 14 <b>궁</b> 51 | 16°R40 | 25°R 8          | 26°R 3         | 26∏44          | 7MD 2          | 18≈55 | T 1  |
| W 2  | 4 41 44 | 9°25'48           | 23°51          | 27°18          | 4°20          | 4°11           | 13°15   | <b>3</b> Υ23  | 14°54          | 16938  | 25 <b>II</b> 7  | 26耳 3          | 26°41          | 7° 9           | 18°57 | W 2  |
| T 3  | 4 45 40 | 10°26'39          | 8 <b>Y</b> 0   | 28°51          | 5°34          | 4°50           | 13°20   | 3°23          | 14°57          | 16°37  | 25° 6           | 26° 1          | 26°38          | 7°16           | 19° 0 | T 3  |
| F 4  | 4 49 37 | 11°27'32          | 22° 4          | 0 <b>₹</b> 24  | 6°47          | 5°30           | 13°25   | 3°23          | 15° 0          | 16°36  | 25° 5           | 26° 0          | 26°34          | 7°22           | 19° 2 | F 4  |
| S 5  | 4 53 33 | 12°28'25          | 6 <b>8</b> 1   | 1°57           | 8° 1          | 6° 9           | 13°29   | 3°22          | 15° 4          | 16°35  | 25° 4           | 25°58          | 26°31          | 7°29           | 19° 4 | S 5  |
| S 6  | 4 57 30 | 13°29'19          | 19°48          | 3°30           | 9°14          | 6°48           | 13°34   | 3°22          | 15° 7          | 16°33  | 25° 3           | 25°56          | 26°28          | 7°36           | 19° 6 | S 6  |
| M 7  | 5 1 27  | 14°30'14          | 3 <b>Ⅲ</b> 22  | 5° 3           | 10°28         | 7°28           | 13°39   | 3°D22         | 15°10          | 16°32  | 25° 2           | 25°55          | 26°25          | 7°43           | 19° 9 | M 7  |
| T 8  | 5 5 23  | 15°31'10          | 16°40          | 6°36           | 11°42         | 8° 7           | 13°43   | 3°22          | 15°13          | 16°30  | 25° 0           | 25°54          | 26°22          | 7°49           | 19°11 | T 8  |
| W 9  | 5 9 20  | 16°32'07          | 29°42          | 8° 9           | 12°55         | 8°46           | 13°47   | 3°22          | 15°16          | 16°29  | 24°59           | 25°D54         | 26°19          | 7°56           | 19°14 | W 9  |
| T 10 | 5 13 16 | 17°33'04          | 129527         | 9°43           | 14° 9         | 9°26           | 13°51   | 3°23          | 15°20          | 16°28  | 24°58           | 25°54          | 26°15          | 8° 3           | 19°16 | T 10 |
| F 11 | 5 17 13 | 18°34'03          | 24°56          | 11°16          | 15°23         | 10° 5          | 13°55   | 3°23          | 15°23          | 16°26  | 24°57           | 25°55          | 26°12          | 8° 9           | 19°19 | F 11 |
| S 12 | 5 21 9  | 19°35'03          | 7 <b>Ω</b> 11  | 12°49          | 16°37         | 10°45          | 13°58   | 3°24          | 15°26          | 16°25  | 24°56           | 25°56          | 26° 9          | 8°16           | 19°21 | S 12 |
| S 13 | 5 25 6  | 20°36'04          | 19°15          | 14°23          | 17°51         | 11°24          | 14° 2   | 3°24          | 15°29          | 16°23  | 24°55           | 25°56          | 26° 6          | 8°23           | 19°24 | S 13 |
| M14  | 5 29 3  | 21°37'05          | 1 <b>m</b> 10  | 15°57          | 19° 5         | 12° 3          | 14° 5   | 3°25          | 15°33          | 16°22  | 24°53           | 25°57          | 26° 3          | 8°30           | 19°27 | M14  |
| T 15 | 5 32 59 | 22°38'08          | 13° 2          | 17°30          | 20°19         | 12°43          | 14° 8   | 3°26          | 15°36          | 16°20  | 24°52           | 25°57          | 26° 0          | 8°36           | 19°29 | T 15 |
| W16  | 5 36 56 | 23°39'11          | 24°55          | 19° 4          | 21°33         | 13°22          | 14°11   | 3°27          | 15°40          | 16°19  | 24°51           | 25°R57         | 25°56          | 8°43           | 19°32 | W16  |
| T 17 | 5 40 52 | 24°40'16          | 6 <b>≏</b> 54  | 20°38          | 22°47         | 14° 2          | 14°14   | 3°28          | 15°43          | 16°17  | 24°50           | 25°57          | 25°53          | 8°50           | 19°35 | T 17 |
| F 18 | 5 44 49 | 25°41'21          | 19° 4          | 22°13          | 24° 1         | 14°41          | 14°16   | 3°29          | 15°46          | 16°16  | 24°49           | 25°D57         | 25°50          | 8°56           | 19°38 | F 18 |
| S 19 | 5 48 45 | 26°42'27          | 1 <b>M</b> 28  | 23°47          | 25°15         | 15°21          | 14°18   | 3°30          | 15°50          | 16°14  | 24°47           | 25°57          | 25°47          | 9° 3           | 19°41 | S 19 |
| S 20 | 5 52 42 | 27°43'34          | 14°10          | 25°21          | 26°29         | 16° 0          | 14°20   | 3°32          | 15°53          | 16°12  | 24°46           | 25°57          | 25°44          | 9°10           | 19°44 | S 20 |
| M21  | 5 56 38 | 28°44'42          | 27°13          | 26°56          | 27°44         | 16°40          | 14°22   | 3°33          | 15°57          | 16°11  | 24°45           | 25°57          | 25°40          | 9°17           | 19°47 | M21  |
| T 22 | 6 0 35  | 2 <u>9</u> °45'51 | 10 <b>∡</b> 38 | 28°31          | 28°58         | 17°19          | 14°24   | 3°35          | 16° 0          | 16° 9  | 24°44           | 25°58          | 25°37          | 9°23           | 19°50 | T 22 |
| W23  | 6 4 32  | 0중47'00           | 24°23          | 0중 6           | 0 <b>√</b> 12 | 17°59          | 14°26   | 3°36          | 16° 3          | 16° 8  | 24°43           | 25°R58         | 25°34          | 9°30           | 19°53 | W23  |
| T 24 | 6 8 28  | 1°48'09           | 8 <b>궁</b> 27  | 1°41           | 1°27          | 18°39          | 14°27   | 3°38          | 16° 7          | 16° 6  | 24°42           | 25°58          | 25°31          | 9°37           | 19°56 | T 24 |
| F 25 | 6 12 25 | 2°49'19           | 22°46          | 3°17           | 2°41          | 19°18          | 14°28   | 3°40          | 16°10          | 16° 4  | 24°40           | 25°57          | 25°28          | 9°44           | 20° 0 | F 25 |
| S 26 | 6 16 21 | 3°50'29           | 7≈14           | 4°52           | 3°55          | 19°58          | 14°29   | 3°42          | 16°14          | 16° 3  | 24°39           | 25°56          | 25°25          | 9°50           | 20° 3 | S 26 |
| S 27 | 6 20 18 | 4°51'39           | 21°46          | 6°29           | 5°10          | 20°37          | 14°30   | 3°44          | 16°17          | 16° 1  | 24°38           | 25°55          | 25°21          | 9°57           | 20° 6 | S 27 |
| M28  | 6 24 14 | 5°52'49           | 6 <b>¥</b> 15  | 8° 5           | 6°24          | 21°17          | 14°31   | 3°46          | 16°21          | 15°59  | 24°37           | 25°54          | 25°18          | 10° 4          | 20°10 | M28  |
| T 29 | 6 28 11 | 6°53'59           | 20°38          | 9°41           | 7°39          | 21°57          | 14°31   | 3°49          | 16°25          | 15°58  | 24°36           | 25°53          | 25°15          | 10°10          | 20°13 | T 29 |
| W30  | 6 32 7  | 7°55'08           | 4 <b>Υ</b> 50  | 11°18          | 8°53          | 22°36          | 14°31   | 3°51          | 16°28          | 15°56  | 24°35           | 25°D53         | 25°12          | 10°17          | 20°16 | W30  |
| T 31 | 6 36 4  | 8 <b>궁</b> 56'18  | 18 <b>Y</b> 50 | 12 <b>る</b> 56 | 10 <b>才</b> 8 | 23 <b>M</b> 16 | 14°R31  | 3 <b>Υ</b> 54 | 16 <b>ප</b> 32 | 159554 | 24 <b>II</b> 33 | 25 <b>Ⅱ</b> 53 | 25 <b>II</b> 9 | 10 <b>m</b> 24 | 20≈20 | T 31 |

Delta T = 9.79 sec

JANUARY 1909 00:00 UT

| Day          | Sid.t              | 0                    | D                      | ğ                     | Q              | ♂               | 4              | ħ             | )∤(            | ¥              | В               | P              | v              | Ç              | Q<br>K         | Day          |
|--------------|--------------------|----------------------|------------------------|-----------------------|----------------|-----------------|----------------|---------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|--------------|
| F 1          | 6 40 1             | 9 <b>ප</b> 57'27     | 2 <b>8</b> 37          | 14 <b>궁</b> 33        | 11 <b>×</b> 22 | 23M56           | 14°R31         | <b>3</b> Υ56  | 16 <b>ට</b> 35 | 15°R53         | 24°R32          | 25耳54          | 25 <b>II</b> 6 | 10 <b>m</b> 31 | 20≈23          | F 1          |
| S 2          | 6 43 57            | 10°58'36             | 16°11                  | 16°11                 | 12°37          | 24°35           | 14 <b>m</b> 31 | 3°59          | 16°39          | 15951          | 24 <b>II</b> 31 | 25°55          | 25° 2          | 10°37          | 20°27          | S 2          |
| S 3          | 6 47 54            | 11°59'45             | 29°31                  | 17°49                 | 13°51          | 25°15           | 14°30          | 4° 2          | 16°42          | 15°49          | 24°30           | 25°56          | 24°59          | 10°44          | 20°30          | S 3          |
| M 4          | 6 51 50            | 13° 0'54             | 12Ⅲ37                  | 19°27                 | 15° 6          | 25°55           | 14°29          | 4° 5          | 16°46          | 15°48          | 24°29           | 25°58          | 24°56          | 10°51          | 20°34          | M 4          |
| T 5          | 6 55 47            | 14° 2'02             | 25°32                  | 21° 6                 | 16°21          | 26°35           | 14°29          | 4° 8          | 16°49          | 15°46          | 24°28           | 25°R58         | 24°53          | 10°57          | 20°38          | T 5          |
| W 6<br>T 7   | 6 59 43<br>7 3 40  | 15° 3'11<br>16° 4'19 | 8 <b>©</b> 14<br>20°44 | 22°45<br>24°24        | 17°35<br>18°50 | 27°14<br>27°54  | 14°27<br>14°26 | 4°11<br>4°14  | 16°53<br>16°57 | 15°44<br>15°43 | 24°27<br>24°26  | 25°58<br>25°56 | 24°50<br>24°46 | 11° 4<br>11°11 | 20°41<br>20°45 | W 6<br>T 7   |
| F 8          | 7 7 3 40           | 10 419<br>17° 5'27   | 3Ω 4                   | 24° 24° 26° 3         | 20° 4          | 27°34<br>28°34  | 14°25          | 4°17          | 10 37<br>17° 0 | 15°41          | 24°25           | 25°53          | 24°43          | 11°18          | 20°49          | F 8          |
| S 9          | 7 11 33            | 17 527<br>18° 6'34   | 15°13                  | 27°43                 | 20°4<br>21°19  | 28°14           | 14°23          | 4°21          | 17° 4          | 15°39          | 24°23           | 25°50          | 24°40          | 11°24          | 20°53          | S 9          |
| S 10         | 7 15 30            | 19° 7'42             | 27°14                  | 29°23                 | 22°34          | 29°53           | 14°21          | 4°24          | 17° 7          | 15°37          | 24°22           | 25°46          | 24°37          | 11°31          | 20°56          | S 10         |
| M11          | 7 19 26            | 19 / 42<br>20° 8'50  | 9 mg 9                 | 29 23<br>1 <b>≈</b> 2 | 22°34<br>23°48 | 0×733           | 14°19          | 4°28          | 17°11          | 15°36          | 24°21           | 25°42          | 24°34          | 11°38          | 20°36<br>21° 0 | M11          |
| T 12         | 7 23 23            | 20° 0'50<br>21° 9'57 | 21° 1                  | 2°42                  | 25° 3          | 1°13            | 14°17          | 4°32          | 17°14          | 15°34          | 24°20           | 25°38          | 24°31          | 11°44          | 21° 4          | T 12         |
| W13          | 7 27 19            | 22°11'04             | 2 <u>0</u> 53          | 4°21                  | 26°18          | 1°53            | 14°14          | 4°35          | 17°18          | 15°32          | 24°19           | 25°35          | 24°27          | 11°51          | 21° 8          | W13          |
| T 14         | 7 31 16            | 23°12'11             | 14°50                  | 6° 0                  | 27°33          | 2°33            | 14°11          | 4°39          | 17°22          | 15°31          | 24°18           | 25°33          | 24°24          | 11°58          | 21°12          | T 14         |
| F 15         | 7 35 12            | 24°13'18             | 26°56                  | 7°39                  | 28°47          | 3°13            | 14° 9          | 4°43          | 17°25          | 15°29          | 24°17           | 25°D33         | 24°21          | 12° 5          | 21°16          | F 15         |
| S 16         | 7 39 9             | 25°14'25             | 9 <b>M</b> .15         | 9°17                  | 0중 2           | 3°53            | 14° 6          | 4°47          | 17°29          | 15°27          | 24°16           | 25°34          | 24°18          | 12°11          | 21°20          | S 16         |
| S 17         | 7 43 5             | 26°15'31             | 21°54                  | 10°54                 | 1°17           | 4°33            | 14° 2          | 4°52          | 17°32          | 15°26          | 24°15           | 25°35          | 24°15          | 12°18          | 21°24          | S 17         |
| M18          | 7 47 2             | 27°16'37             | 4 <b>₹</b> 755         | 12°30                 | 2°32           | 5°12            | 13°59          | 4°56          | 17°36          | 15°24          | 24°14           | 25°37          | 24°12          | 12°25          | 21°28          | M18          |
| T 19         | 7 50 59            | 28°17'43             | 18°22                  | 14° 4                 | 3°46           | 5°52            | 13°55          | 5° 0          | 17°39          | 15°22          | 24°13           | 25°38          | 24° 8          | 12°32          | 21°32          | T 19         |
| W20          | 7 54 55            | 29°18'49             | 2 <b>3</b> 15          | 15°37                 | 5° 1           | 6°32            | 13°52          | 5° 4          | 17°43          | 15°21          | 24°12           | 25°R38         | 24° 5          | 12°38          | 21°36          | W20          |
| T 21<br>F 22 | 7 58 52            | 0 <b>≈</b> 19'54     | 16°34                  | 17° 8<br>18°35        | 6°16<br>7°31   | 7°12<br>7°52    | 13°48          | 5° 9          | 17°46<br>17°50 | 15°19<br>15°17 | 24°11           | 25°37          | 24° 2          | 12°45<br>12°52 | 21°40<br>21°44 | T 21<br>F 22 |
| S 23         | 8 2 48<br>8 6 45   | 1°20'58<br>2°22'02   | 1 <b>≈</b> 14<br>16° 9 | 20° 0                 | 8°46           | 8°32            | 13°43<br>13°39 | 5°14<br>5°18  | 17°53          | 15°17          | 24°10<br>24°10  | 25°33<br>25°28 | 23°59<br>23°56 | 12°52<br>12°58 | 21°44<br>21°48 | S 23         |
|              |                    |                      |                        |                       |                |                 |                |               |                |                | -               |                |                |                |                |              |
| S 24<br>M25  | 8 10 41<br>8 14 38 | 3°23'05<br>4°24'06   | 1 <b>米</b> 9<br>16° 6  | 21°21<br>22°37        | 10° 1<br>11°15 | 9°12<br>9°52    | 13°35<br>13°30 | 5°23<br>5°28  | 17°57<br>18° 0 | 15°14<br>15°13 | 24° 9<br>24° 8  | 25°23<br>25°17 | 23°52<br>23°49 | 13° 5<br>13°12 | 21°52<br>21°56 | S 24<br>M25  |
| T 26         | 8 18 35            | 5°25'07              | $0^{10}$ $0^{10}$      | 22°37<br>23°48        | 12°30          | 10°32           | 13°25          | 5°33          | 18° 4          | 15°11          | 24° 7           | 25°11          | 23°46          | 13°12          | 21° 30° 22° 0  | T 26         |
| W27          | 8 22 31            | 6°26'06              | 15°18                  | 24°53                 | 13°45          | 10°32           | 13°20          | 5°38          | 18° 7          | 15° 9          | 24° 6           | 25° 8          | 23°43          | 13°25          | 22° 4          | W27          |
| T 28         | 8 26 28            | 7°27'05              | 29°24                  | 25°51                 | 15° 0          | 11°52           | 13°15          | 5°43          | 18°11          | 15° 8          | 24° 5           | 25° 6          | 23°40          | 13°32          | 22° 8          | T 28         |
| F 29         | 8 30 24            | 8°28'02              | 138 8                  | 26°42                 | 16°15          | 12°32           | 13°10          | 5°48          | 18°14          | 15° 6          | 24° 4           | 25°D 5         | 23°37          | 13°39          | 22°13          | F 29         |
| S 30         | 8 34 21            | 9°28'57              | 26°30                  | 27°24                 | 17°30          | 13°12           | 13° 5          | 5°53          | 18°17          | 15° 5          | 24° 4           | 25° 6          | 23°33          | 13°45          | 22°17          | S 30         |
| S 31         | 8 38 17            | 10≈29'52             | 9∏34                   | 27≈58                 | 18 <b>ਰ</b> 44 | 13 <b>×7</b> 52 | 12 <b>M</b> 59 | 5 <b>Υ</b> 58 | 18 <b>ਰ</b> 21 | 1599 3         | 24耳 3           | 25 <b>I</b> 8  | 23耳30          | 13 <b>m</b> 52 | 22≈21          | S 31         |

Delta T = 9.89 sec

FEBRUARY 1909 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ      | ·              | ď              | 4              | ħ             | )Å(             | ¥      | В             | U              | v             | Ç               | ę,    | Day  |
|------|----------|------------------|-----------------|--------|----------------|----------------|----------------|---------------|-----------------|--------|---------------|----------------|---------------|-----------------|-------|------|
| M 1  | 8 42 14  | 11≈30'45         | 22 <b>II</b> 22 | 28≈21  | 19 <b>る</b> 59 | 14 <b>×</b> 32 | 12°R53         | 6 <b>Υ</b> 4  | 18 <b>る</b> 24  | 15°R 2 | 24°R 2        | 25°R 9         | 23Ⅱ27         | 13 <b>m</b> 59  | 22≈25 | M 1  |
| T 2  | 8 46 10  | 12°31'37         | 4956            | 28°33  | 21°14          | 15°12          | 12 <b>m</b> 48 | 6° 9          | 18°27           | 1599 0 | 24 <b>I</b> 1 | 25 <b>II</b> 8 | 23°24         | 14° 6           | 22°29 | T 2  |
| W 3  | 8 50 7   | 13°32'28         | 17°20           | 28°R35 | 22°29          | 15°53          | 12°42          | 6°15          | 18°31           | 14°59  | 24° 1         | 25° 6          | 23°21         | 14°12           | 22°34 | W 3  |
| T 4  | 8 54 4   | 14°33'17         | 29°34           | 28°26  | 23°44          | 16°33          | 12°35          | 6°20          | 18°34           | 14°58  | 24° 0         | 25° 1          | 23°18         | 14°19           | 22°38 | T 4  |
| F 5  | 8 58 0   | 15°34'06         | 11 <b>Ω</b> 42  | 28° 5  | 24°59          | 17°13          | 12°29          | 6°26          | 18°37           | 14°56  | 23°59         | 24°53          | 23°14         | 14°26           | 22°42 | F 5  |
| S 6  | 9 1 57   | 16°34'52         | 23°44           | 27°34  | 26°13          | 17°53          | 12°23          | 6°31          | 18°41           | 14°55  | 23°59         | 24°44          | 23°11         | 14°33           | 22°46 | S 6  |
| S 7  | 9 5 53   | 17°35'38         | 5 <b>m</b> )40  | 26°53  | 27°28          | 18°33          | 12°16          | 6°37          | 18°44           | 14°53  | 23°58         | 24°33          | 23° 8         | 14°39           | 22°51 | S 7  |
| M 8  | 9 9 50   | 18°36'23         | 17°34           | 26° 3  | 28°43          | 19°13          | 12°10          | 6°43          | 18°47           | 14°52  | 23°57         | 24°22          | 23° 5         | 14°46           | 22°55 | M 8  |
| T 9  | 9 13 46  | 19°37'06         | 29°25           | 25° 6  | 29°58          | 19°53          | 12° 3          | 6°49          | 18°50           | 14°51  | 23°57         | 24°12          | 23° 2         | 14°53           | 22°59 | T 9  |
| W10  | 9 17 43  | 20°37'48         | 11 <b>≏</b> 18  | 24° 3  | 1≈13           | 20°33          | 11°56          | 6°55          | 18°53           | 14°49  | 23°56         | 24° 3          | 22°58         | 14°59           | 23° 3 | W10  |
| T 11 | 9 21 39  | 21°38'29         | 23°14           | 22°55  | 2°28           | 21°14          | 11°49          | 7° 1          | 18°57           | 14°48  | 23°56         | 23°57          | 22°55         | 15° 6           | 23° 8 | T 11 |
| F 12 | 9 25 36  | 22°39'09         | 5 <b>M</b> .18  | 21°45  | 3°42           | 21°54          | 11°42          | 7° 7          | 19° 0           | 14°47  | 23°55         | 23°53          | 22°52         | 15°13           | 23°12 | F 12 |
| S 13 | 9 29 33  | 23°39'48         | 17°34           | 20°35  | 4°57           | 22°34          | 11°35          | 7°13          | 19° 3           | 14°45  | 23°54         | 23°51          | 22°49         | 15°20           | 23°16 | S 13 |
| S 14 | 9 33 29  | 24°40'25         | 0 <b>∡</b> 0 6  | 19°27  | 6°12           | 23°14          | 11°28          | 7°19          | 19° 6           | 14°44  | 23°54         | 23°D51         | 22°46         | 15°26           | 23°21 | S 14 |
| M15  | 9 37 26  | 25°41'02         | 13° 0           | 18°21  | 7°27           | 23°54          | 11°21          | 7°25          | 19° 9           | 14°43  | 23°53         | 23°52          | 22°43         | 15°33           | 23°25 | M15  |
| T 16 | 9 41 22  | 26°41'37         | 26°20           | 17°20  | 8°42           | 24°34          | 11°13          | 7°32          | 19°12           | 14°42  | 23°53         | 23°R52         | 22°39         | 15°40           | 23°29 | T 16 |
| W17  | 9 45 19  | 27°42'11         | 10중 8           | 16°25  | 9°57           | 25°15          | 11° 6          | 7°38          | 19°15           | 14°41  | 23°53         | 23°51          | 22°36         | 15°46           | 23°33 | W17  |
| T 18 | 9 49 15  | 28°42'44         | 24°26           | 15°36  | 11°11          | 25°55          | 10°58          | 7°44          | 19°18           | 14°40  | 23°52         | 23°47          | 22°33         | 15°53           | 23°38 | T 18 |
| F 19 | 9 53 12  | 29°43'16         | 9≈11            | 14°54  | 12°26          | 26°35          | 10°51          | 7°51          | 19°21           | 14°38  | 23°52         | 23°41          | 22°30         | 16° 0           | 23°42 | F 19 |
| S 20 | 9 57 8   | 0 <b>)</b> 43′46 | 24°17           | 14°20  | 13°41          | 27°15          | 10°43          | 7°57          | 19°24           | 14°37  | 23°51         | 23°33          | 22°27         | 16° 7           | 23°46 | S 20 |
| S 21 | 10 1 5   | 1°44'14          | 9 <b>)(</b> 34  | 13°53  | 14°56          | 27°56          | 10°36          | 8° 4          | 19°27           | 14°36  | 23°51         | 23°22          | 22°24         | 16°13           | 23°50 | S 21 |
| M22  | 10 5 2   | 2°44'41          | 24°51           | 13°34  | 16°11          | 28°36          | 10°28          | 8°11          | 19°29           | 14°35  | 23°51         | 23°12          | 22°20         | 16°20           | 23°55 | M22  |
| T 23 | 10 8 58  | 3°45'05          | 9 <b>Ƴ</b> 58   | 13°22  | 17°26          | 29°16          | 10°20          | 8°17          | 19°32           | 14°34  | 23°50         | 23° 2          | 22°17         | 16°27           | 23°59 | T 23 |
| W24  | 10 12 55 | 4°45'28          | 24°44           | 13°D17 | 18°40          | 29°56          | 10°12          | 8°24          | 19°35           | 14°33  | 23°50         | 22°55          | 22°14         | 16°34           | 24° 3 | W24  |
| T 25 | 10 16 51 | 5°45'49          | 9 <b>8</b> 4    | 13°19  | 19°55          | 0 <b>궁</b> 37  | 10° 4          | 8°31          | 19°38           | 14°32  | 23°50         | 22°49          | 22°11         | 16°40           | 24° 7 | T 25 |
| F 26 | 10 20 48 | 6°46'08          | 22°56           | 13°28  | 21°10          | 1°17           | 9°57           | 8°37          | 19°41           | 14°31  | 23°49         | 22°47          | 22° 8         | 16°47           | 24°11 | F 26 |
| S 27 | 10 24 44 | 7°46'25          | 6 <b>Ⅱ</b> 21   | 13°42  | 22°25          | 1°57           | 9°49           | 8°44          | 19°43           | 14°31  | 23°49         | 22°D46         | 22° 4         | 16°54           | 24°16 | S 27 |
| S 28 | 10 28 41 | 8 <b>)</b> 46'40 | 19 <b>Ⅱ</b> 21  | 14≈ 2  | 23≈39          | 2 <b>ප</b> 37  | 9 <b>m</b> /41 | 8 <b>Ƴ</b> 51 | 19 <b>ප්</b> 46 | 14930  | 23耳49         | 22°R46         | 22 <b>I</b> 1 | 17 <b>m</b> ) 0 | 24≈20 | S 28 |

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|------|----------|------------------|----------------|------------------|---------------|----------------|---------------|----------------|----------------|--------|----------------|----------------|-----------------|-----------------|-------|------|
| M 1  | 10 32 37 | 9 <b>)</b> 46′53 | 299 1          | 14≈27            | 24≈54         | 3 <b>る</b> 18  | 9°R33         | 8 <b>Ƴ</b> 58  | 19 <b>る</b> 48 | 14°R29 | 23°R49         | 22°R46         | 21 <b>II</b> 58 | 17 <b>m</b> ) 7 | 24≈24 | M 1  |
| T 2  | 10 36 34 | 10°47'04         | 14°26          | 14°58            | 26° 9         | 3°58           | 9 <b>m</b> 25 | 9° 5           | 19°51          | 149528 | 23 <b>Ⅱ</b> 49 | 22 <b>Ⅱ</b> 44 | 21°55           | 17°14           | 24°28 | T 2  |
| W 3  | 10 40 31 | 11°47'13         | 26°38          | 15°33            | 27°24         | 4°38           | 9°17          | 9°12           | 19°54          | 14°27  | 23°49          | 22°40          | 21°52           | 17°21           | 24°32 | W 3  |
| T 4  | 10 44 27 | 12°47'20         | $8\Omega 42$   | 16°12            | 28°38         | 5°18           | 9°10          | 9°19           | 19°56          | 14°27  | 23°48          | 22°33          | 21°49           | 17°27           | 24°36 | T 4  |
| F 5  | 10 48 24 | 13°47'25         | 20°40          | 16°55            | 29°53         | 5°59           | 9° 2          | 9°26           | 19°58          | 14°26  | 23°48          | 22°23          | 21°45           | 17°34           | 24°40 | F 5  |
| S 6  | 10 52 20 | 14°47'28         | 2 <b>m</b> /35 | 17°42            | 1 <b>∺</b> 8  | 6°39           | 8°54          | 9°33           | 20° 1          | 14°25  | 23°48          | 22°10          | 21°42           | 17°41           | 24°44 | S 6  |
| S 7  | 10 56 17 | 15°47'29         | 14°28          | 18°32            | 2°23          | 7°19           | 8°46          | 9°40           | 20° 3          | 14°25  | 23°48          | 21°56          | 21°39           | 17°47           | 24°48 | S 7  |
| M 8  | 11 0 13  | 16°47'28         | 26°21          | 19°26            | 3°37          | 7°59           | 8°38          | 9°47           | 20° 6          | 14°24  | 23°48          | 21°41          | 21°36           | 17°54           | 24°52 | M 8  |
| T 9  | 11 4 10  | 17°47'25         | 8 <b>≏</b> 14  | 20°22            | 4°52          | 8°40           | 8°31          | 9°54           | 20° 8          | 14°23  | 23°D48         | 21°27          | 21°33           | 18° 1           | 24°56 | T 9  |
| W10  | 11 8 6   | 18°47'20         | 20°10          | 21°22            | 6° 7          | 9°20           | 8°23          | 10° 2          | 20°10          | 14°23  | 23°48          | 21°14          | 21°29           | 18° 8           | 25° 0 | W10  |
| T 11 | 11 12 3  | 19°47'13         | 2 <b>M</b> 10  | 22°24            | 7°21          | 10° 0          | 8°15          | 10° 9          | 20°12          | 14°22  | 23°48          | 21° 5          | 21°26           | 18°14           | 25° 4 | T 11 |
| F 12 | 11 15 59 | 20°47'05         | 14°17          | 23°28            | 8°36          | 10°40          | 8° 8          | 10°16          | 20°15          | 14°22  | 23°48          | 20°58          | 21°23           | 18°21           | 25° 8 | F 12 |
| S 13 | 11 19 56 | 21°46'55         | 26°35          | 24°35            | 9°51          | 11°21          | 8° 0          | 10°23          | 20°17          | 14°21  | 23°48          | 20°54          | 21°20           | 18°28           | 25°12 | S 13 |
| S 14 | 11 23 53 | 22°46'43         | 9 <b>∡</b> 6   | 25°44            | 11° 5         | 12° 1          | 7°53          | 10°31          | 20°19          | 14°21  | 23°49          | 20°53          | 21°17           | 18°35           | 25°16 | S 14 |
| M15  | 11 27 49 | 23°46'30         | 21°55          | 26°55            | 12°20         | 12°41          | 7°46          | 10°38          | 20°21          | 14°21  | 23°49          | 20°52          | 21°14           | 18°41           | 25°20 | M15  |
| T 16 | 11 31 46 | 24°46'15         | 5 <b>る</b> 8   | 28° 8            | 13°35         | 13°22          | 7°38          | 10°45          | 20°23          | 14°20  | 23°49          | 20°52          | 21°10           | 18°48           | 25°24 | T 16 |
| W17  | 11 35 42 | 25°45'59         | 18°46          | 29°23            | 14°49         | 14° 2          | 7°31          | 10°53          | 20°25          | 14°20  | 23°49          | 20°51          | 21° 7           | 18°55           | 25°28 | W17  |
| T 18 | 11 39 39 | 26°45'40         | 2≈53           | 0 <b>)</b> 40    | 16° 4         | 14°42          | 7°24          | 11° 0          | 20°27          | 14°20  | 23°49          | 20°47          | 21° 4           | 19° 1           | 25°31 | T 18 |
| F 19 | 11 43 35 | 27°45'20         | 17°28          | 1°59             | 17°18         | 15°22          | 7°17          | 11° 7          | 20°29          | 14°19  | 23°49          | 20°41          | 21° 1           | 19°8            | 25°35 | F 19 |
| S 20 | 11 47 32 | 28°44'58         | 2 <b>∺</b> 26  | 3°19             | 18°33         | 16° 3          | 7°10          | 11°15          | 20°31          | 14°19  | 23°50          | 20°32          | 20°58           | 19°15           | 25°39 | S 20 |
| S 21 | 11 51 28 | 29°44'34         | 17°41          | 4°41             | 19°48         | 16°43          | 7° 3          | 11°22          | 20°32          | 14°19  | 23°50          | 20°22          | 20°55           | 19°22           | 25°43 | S 21 |
| M22  | 11 55 25 | 0 <b>Υ</b> 44'08 | <b>3Υ</b> 1    | 6° 5             | 21° 2         | 17°23          | 6°57          | 11°30          | 20°34          | 14°19  | 23°50          | 20°10          | 20°51           | 19°28           | 25°46 | M22  |
| T 23 | 11 59 22 | 1°43'40          | 18°15          | 7°30             | 22°17         | 18° 3          | 6°50          | 11°37          | 20°36          | 14°19  | 23°50          | 20° 0          | 20°48           | 19°35           | 25°50 | T 23 |
| W24  | 12 3 18  | 2°43'10          | 3 <b>8</b> 11  | 8°56             | 23°31         | 18°44          | 6°44          | 11°45          | 20°37          | 14°18  | 23°51          | 19°51          | 20°45           | 19°42           | 25°54 | W24  |
| T 25 | 12 7 15  | 3°42'38          | 17°43          | 10°25            | 24°46         | 19°24          | 6°37          | 11°52          | 20°39          | 14°18  | 23°51          | 19°45          | 20°42           | 19°49           | 25°57 | T 25 |
| F 26 | 12 11 11 | 4°42'04          | 1 <b>Ⅱ</b> 47  | 11°54            | 26° 0         | 20° 4          | 6°31          | 12° 0          | 20°41          | 14°D18 | 23°52          | 19°42          | 20°39           | 19°55           | 26° 1 | F 26 |
| S 27 | 12 15 8  | 5°41'27          | 15°20          | 13°25            | 27°15         | 20°44          | 6°25          | 12° 7          | 20°42          | 14°18  | 23°52          | 19°D41         | 20°35           | 20° 2           | 26° 4 | S 27 |
| S 28 | 12 19 4  | 6°40'48          | 28°26          | 14°58            | 28°29         | 21°24          | 6°19          | 12°15          | 20°44          | 14°18  | 23°52          | 19°41          | 20°32           | 20° 9           | 26° 8 | S 28 |
| M29  | 12 23 1  | 7°40'06          | 1195 9         | 16°31            | 29°44         | 22° 5          | 6°13          | 12°22          | 20°45          | 14°19  | 23°53          | 19°R41         | 20°29           | 20°15           | 26°11 | M29  |
| T 30 | 12 26 57 | 8°39'23          | 23°32          | 18° 7            | 0 <b>Υ</b> 58 | 22°45          | 6° 7          | 12°30          | 20°46          | 14°19  | 23°53          | 19°40          | 20°26           | 20°22           | 26°15 | T 30 |
| W31  | 12 30 54 | 9 <b>Ƴ</b> 38'37 | 5 <b>Ω</b> 41  | 19 <b>) (</b> 44 | 2 <b>Υ</b> 13 | 23 <b>る</b> 25 | 6M) 2         | 12 <b>Y</b> 37 | 20 <b>る</b> 48 | 149519 | 23耳54          | 19 <b>Ⅲ</b> 37 | 20Ⅱ23           | 20 <b>m</b> 29  | 26≈18 | W31  |

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|------|----------|-------------------|----------------|----------------|---------------|-------|---------------|----------------|----------------|--------------|----------------|----------------|----------------|-----------------|-------|------|
| T 1  | 12 34 51 | 10 <b>°</b> 37'48 | 17 <b>Ω</b> 41 | 21 <b>)</b> 22 | <b>3</b> Υ27  | 24궁 5 | 5°R56         | 12 <b>Y</b> 45 | 20 <b>궁</b> 49 | 149519       | 23耳54          | 19°R31         | 20耳20          | 20 <b>m</b> /36 | 26≈21 | T 1  |
| F 2  | 12 38 47 | 11°36'58          | 29°35          | 23° 1          | 4°42          | 24°45 | 5 <b>m</b> 51 | 12°53          | 20°50          | 14°19        | 23°55          | 19 <b>Ⅲ</b> 23 | 20°16          | 20°42           | 26°25 | F 2  |
| S 3  | 12 42 44 | 12°36'05          | 11 <b>M</b> 26 | 24°42          | 5°56          | 25°25 | 5°46          | 13° 0          | 20°51          | 14°19        | 23°55          | 19°13          | 20°13          | 20°49           | 26°28 | S 3  |
| S 4  | 12 46 40 | 13°35'10          | 23°18          | 26°25          | 7°10          | 26° 5 | 5°41          | 13° 8          | 20°53          | 14°20        | 23°56          | 19° 1          | 20°10          | 20°56           | 26°31 | S 4  |
| M 5  | 12 50 37 | 14°34'12          | 5 <b>≏</b> 13  | 28° 8          | 8°25          | 26°46 | 5°36          | 13°15          | 20°54          | 14°20        | 23°57          | 18°48          | 20° 7          | 21° 2           | 26°34 | M 5  |
| T 6  | 12 54 33 | 15°33'13          | 17°10          | 29°54          | 9°39          | 27°26 | 5°32          | 13°23          | 20°55          | 14°20        | 23°57          | 18°36          | 20° 4          | 21° 9           | 26°37 | T 6  |
| W 7  | 12 58 30 | 16°32'11          | 29°13          | 1 <b>Υ</b> 40  | 10°53         | 28° 6 | 5°27          | 13°30          | 20°56          | 14°21        | 23°58          | 18°26          | 20° 1          | 21°16           | 26°40 | W 7  |
| T 8  | 13 2 26  | 17°31'08          | 11 <b>M</b> 22 | 3°29           | 12° 8         | 28°46 | 5°23          | 13°38          | 20°57          | 14°21        | 23°58          | 18°18          | 19°57          | 21°23           | 26°43 | T 8  |
| F 9  | 13 6 23  | 18°30'03          | 23°39          | 5°18           | 13°22         | 29°26 | 5°19          | 13°45          | 20°57          | 14°22        | 23°59          | 18°12          | 19°54          | 21°29           | 26°46 | F 9  |
| S 10 | 13 10 19 | 19°28'56          | 6 <b>₹</b> 6   | 7° 9           | 14°36         | 0≈ 6  | 5°15          | 13°53          | 20°58          | 14°22        | 24° 0          | 18° 9          | 19°51          | 21°36           | 26°49 | S 10 |
| S 11 | 13 14 16 | 20°27'47          | 18°45          | 9° 2           | 15°51         | 0°46  | 5°11          | 14° 0          | 20°59          | 14°23        | 24° 0          | 18°D 9         | 19°48          | 21°43           | 26°52 | S 11 |
| M12  | 13 18 13 | 21°26'37          | 1 <b>る</b> 39  | 10°56          | 17° 5         | 1°26  | 5° 7          | 14° 8          | 21° 0          | 14°23        | 24° 1          | 18° 9          | 19°45          | 21°50           | 26°55 | M12  |
| T 13 | 13 22 9  | 22°25'24          | 14°52          | 12°52          | 18°19         | 2° 6  | 5° 4          | 14°15          | 21° 0          | 14°24        | 24° 2          | 18°10          | 19°41          | 21°56           | 26°58 | T 13 |
| W14  | 13 26 6  | 23°24'10          | 28°26          | 14°49          | 19°34         | 2°46  | 5° 0          | 14°23          | 21° 1          | 14°24        | 24° 3          | 18°R10         | 19°38          | 22° 3           | 27° 1 | W14  |
| T 15 | 13 30 2  | 24°22'55          | 12≈23          | 16°48          | 20°48         | 3°26  | 4°57          | 14°30          | 21° 2          | 14°25        | 24° 4          | 18° 9          | 19°35          | 22°10           | 27° 3 | T 15 |
| F 16 | 13 33 59 | 25°21'37          | 26°43          | 18°48          | 22° 2         | 4° 5  | 4°54          | 14°38          | 21° 2          | 14°26        | 24° 4          | 18° 5          | 19°32          | 22°16           | 27° 6 | F 16 |
| S 17 | 13 37 55 | 26°20'18          | 11 <b>米</b> 23 | 20°49          | 23°16         | 4°45  | 4°51          | 14°45          | 21° 3          | 14°26        | 24° 5          | 18° 0          | 19°29          | 22°23           | 27° 9 | S 17 |
| S 18 | 13 41 52 | 27°18'57          | 26°20          | 22°52          | 24°31         | 5°25  | 4°49          | 14°53          | 21° 3          | 14°27        | 24° 6          | 17°52          | 19°26          | 22°30           | 27°11 | S 18 |
| M19  | 13 45 48 | 28°17'35          | 11 <b>Y</b> 24 | 24°56          | 25°45         | 6° 5  | 4°46          | 15° 0          | 21° 4          | 14°28        | 24° 7          | 17°45          | 19°22          | 22°37           | 27°14 | M19  |
| T 20 | 13 49 45 | 29°16'10          | 26°27          | 27° 1          | 26°59         | 6°45  | 4°44          | 15° 8          | 21° 4          | 14°29        | 24° 8          | 17°37          | 19°19          | 22°43           | 27°16 | T 20 |
| W21  | 13 53 42 | 0814'44           | 11818          | 29° 7          | 28°13         | 7°24  | 4°42          | 15°15          | 21° 4          | 14°30        | 24° 9          | 17°32          | 19°16          | 22°50           | 27°19 | W21  |
| T 22 | 13 57 38 | 1°13'16           | 25°49          | 1814           | 29°27         | 8° 4  | 4°40          | 15°22          | 21° 4          | 14°30        | 24°10          | 17°28          | 19°13          | 22°57           | 27°21 | T 22 |
| F 23 | 14 1 35  | 2°11'45           | 9∏55           | 3°22           | 0841          | 8°44  | 4°39          | 15°30          | 21° 5          | 14°31        | 24°10          | 17°26          | 19°10          | 23° 3           | 27°24 | F 23 |
| S 24 | 14 5 31  | 3°10'13           | 23°35          | 5°30           | 1°56          | 9°23  | 4°37          | 15°37          | 21° 5          | 14°32        | 24°11          | 17°D26         | 19° 6          | 23°10           | 27°26 | S 24 |
| S 25 | 14 9 28  | 4° 8'39           | 69547          | 7°39           | 3°10          | 10° 3 | 4°36          | 15°44          | 21° 5          | 14°33        | 24°12          | 17°27          | 19° 3          | 23°17           | 27°28 | S 25 |
| M26  | 14 13 24 | 5° 7'02           | 19°35          | 9°47           | 4°24          | 10°42 | 4°35          | 15°52          | 21°R 5         | 14°34        | 24°13          | 17°28          | 19° 0          | 23°24           | 27°30 | M26  |
| T 27 | 14 17 21 | 6° 5'24           | 2 <b>Ω</b> 3   | 11°56          | 5°38          | 11°22 | 4°34          | 15°59          | 21° 5          | 14°35        | 24°14          | 17°R29         | 18°57          | 23°30           | 27°32 | T 27 |
| W28  | 14 21 18 | 7° 3'43           | 14°14          | 14° 3          | 6°52          | 12° 1 | 4°33          | 16° 6          | 21° 5          | 14°36        | 24°15          | 17°29          | 18°54          | 23°37           | 27°35 | W28  |
| T 29 | 14 25 14 | 8° 2'00           | 26°15          | 16°10          | 8° 6          | 12°41 | 4°32          | 16°13          | 21° 5          | 14°37        | 24°16          | 17°27          | 18°51          | 23°44           | 27°37 | T 29 |
| F 30 | 14 29 11 | 9 <b>8</b> 0'15   | 8 <b>m</b> ) 9 | 18 <b>8</b> 16 | 9 <b>8</b> 20 | 13≈20 | 4 Mp 32       | 16 <b>Y</b> 21 | 21중 4          | 14939        | 24 <b>Ⅱ</b> 17 | 17 <b>Ⅱ</b> 24 | 18 <b>Ⅱ</b> 47 | 23 <b>m</b> 51  | 27≈39 | F 30 |

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| Day  | Sid.t    | 0                | D              | ğ              | ·             | ď            | 4               | ħ              | )ұ(            | ¥     | В               | u               | Ω              | Ç              | ę,             | Day  |
|------|----------|------------------|----------------|----------------|---------------|--------------|-----------------|----------------|----------------|-------|-----------------|-----------------|----------------|----------------|----------------|------|
| S 1  | 14 33 7  | 9 <b>8</b> 58'28 | 20 Mp 1        | 20820          | 10834         | 13≈59        | 4°R32           | 16 <b>Y</b> 28 | 21°R 4         | 14940 | 24 <b>I</b> I18 | 17°R19          | 18 <b>Ⅱ</b> 44 | 23 <b>m</b> 57 | 27≈40          | S 1  |
| S 2  | 14 37 4  | 10°56'39         | 1 <b>≙</b> 54  | 22°23          | 11°48         | 14°39        | 4°D32           | 16°35          | 21궁 4          | 14°41 | 24°20           | 17 <b>I</b> I13 | 18°41          | 24° 4          | 27°42          | S 2  |
| M 3  | 14 41 0  | 11°54'48         | 13°51          | 24°23          | 13° 2         | 15°18        | 4 Mp 32         | 16°42          | 21° 3          | 14°42 | 24°21           | 17° 6           | 18°38          | 24°11          | 27°44          | M 3  |
| T 4  | 14 44 57 | 12°52'56         | 25°55          | 26°22          | 14°16         | 15°57        | 4°32            | 16°49          | 21° 3          | 14°43 | 24°22           | 17° 0           | 18°35          | 24°17          | 27°46          | T 4  |
| W 5  | 14 48 53 | 13°51'01         | 8 <b>M</b> 7   | 28°17          | 15°30         | 16°36        | 4°33            | 16°56          | 21° 3          | 14°45 | 24°23           | 16°55           | 18°32          | 24°24          | 27°48          | W 5  |
| T 6  | 14 52 50 | 14°49'05         | 20°29          | 0 <b>耳</b> 10  | 16°44         | 17°15        | 4°33            | 17° 3          | 21° 2          | 14°46 | 24°24           | 16°51           | 18°28          | 24°31          | 27°49          | T 6  |
| F 7  | 14 56 46 | 15°47'07         | 3 <b>∡</b> 7 1 | 2° 0           | 17°58         | 17°54        | 4°34            | 17°10          | 21° 2          | 14°47 | 24°25           | 16°48           | 18°25          | 24°38          | 27°51          | F 7  |
| S 8  | 15 0 43  | 16°45'08         | 15°45          | 3°47           | 19°12         | 18°33        | 4°35            | 17°17          | 21° 1          | 14°48 | 24°26           | 16°D47          | 18°22          | 24°44          | 27°52          | S 8  |
| S 9  | 15 4 40  | 17°43'07         | 28°41          | 5°31           | 20°26         | 19°12        | 4°37            | 17°24          | 21° 0          | 14°50 | 24°27           | 16°48           | 18°19          | 24°51          | 27°54          | S 9  |
| M10  | 15 8 36  | 18°41'05         | 11 <b>궁</b> 50 | 7°12           | 21°40         | 19°51        | 4°38            | 17°31          | 21° 0          | 14°51 | 24°29           | 16°49           | 18°16          | 24°58          | 27°55          | M10  |
| T 11 | 15 12 33 | 19°39'02         | 25°14          | 8°48           | 22°54         | 20°30        | 4°40            | 17°38          | 20°59          | 14°53 | 24°30           | 16°51           | 18°12          | 25° 5          | 27°57          | T 11 |
| W12  | 15 16 29 | 20°36'57         | 8 <b>≈</b> 53  | 10°22          | 24° 8         | 21° 8        | 4°42            | 17°44          | 20°58          | 14°54 | 24°31           | 16°52           | 18° 9          | 25°11          | 27°58          | W12  |
| T 13 | 15 20 26 | 21°34'51         | 22°48          | 11°52          | 25°21         | 21°47        | 4°44            | 17°51          | 20°58          | 14°56 | 24°32           | 16°R52          | 18° 6          | 25°18          | 27°59          | T 13 |
| F 14 | 15 24 22 | 22°32'44         | 6 <b>∺</b> 59  | 13°18          | 26°35         | 22°26        | 4°46            | 17°58          | 20°57          | 14°57 | 24°33           | 16°52           | 18° 3          | 25°25          | 28° 0          | F 14 |
| S 15 | 15 28 19 | 23°30'36         | 21°23          | 14°40          | 27°49         | 23° 4        | 4°48            | 18° 4          | 20°56          | 14°59 | 24°35           | 16°50           | 18° 0          | 25°31          | 28° 1          | S 15 |
| S 16 | 15 32 15 | 24°28'26         | 5 <b>Ƴ</b> 57  | 15°59          | 29° 3         | 23°43        | 4°50            | 18°11          | 20°55          | 15° 0 | 24°36           | 16°48           | 17°57          | 25°38          | 28° 2          | S 16 |
| M17  | 15 36 12 | 25°26'15         | 20°36          | 17°14          | 0 <b>耳</b> 17 | 24°21        | 4°53            | 18°18          | 20°54          | 15° 2 | 24°37           | 16°45           | 17°53          | 25°45          | 28° 3          | M17  |
| T 18 | 15 40 9  | 26°24'03         | 5 <b>8</b> 14  | 18°25          | 1°31          | 24°59        | 4°56            | 18°24          | 20°53          | 15° 3 | 24°38           | 16°42           | 17°50          | 25°52          | 28° 4          | T 18 |
| W19  | 15 44 5  | 27°21'50         | 19°44          | 19°32          | 2°45          | 25°37        | 4°59            | 18°31          | 20°52          | 15° 5 | 24°40           | 16°40           | 17°47          | 25°58          | 28° 5          | W19  |
| T 20 | 15 48 2  | 28°19'35         | 4 <b>I</b> 0   | 20°35          | 3°58          | 26°15        | 5° 2            | 18°37          | 20°51          | 15° 6 | 24°41           | 16°39           | 17°44          | 26° 5          | 28° 6          | T 20 |
| F 21 | 15 51 58 | 29°17'19         | 17°57          | 21°34          | 5°12          | 26°53        | 5° 6            | 18°43          | 20°49          | 15° 8 | 24°42           | 16°D38          | 17°41          | 26°12          | 28° 7          | F 21 |
| S 22 | 15 55 55 | 0 <b>Ⅱ</b> 15′02 | 19532          | 22°29          | 6°26          | 27°31        | 5° 9            | 18°50          | 20°48          | 15°10 | 24°44           | 16°39           | 17°38          | 26°18          | 28° 8          | S 22 |
| S 23 | 15 59 51 | 1°12'43          | 14°44          | 23°19          | 7°40          | 28° 9        | 5°13            | 18°56          | 20°47          | 15°11 | 24°45           | 16°40           | 17°34          | 26°25          | 28° 8          | S 23 |
| M24  | 16 3 48  | 2°10'23          | 27°35          | 24° 6          | 8°54          | 28°47        | 5°17            | 19° 2          | 20°46          | 15°13 | 24°46           | 16°41           | 17°31          | 26°32          | 28° 9          | M24  |
| T 25 | 16 7 45  | 3° 8'01          | 10 <b>N</b> 5  | 24°48          | 10° 7         | 29°24        | 5°21            | 19° 8          | 20°44          | 15°15 | 24°48           | 16°42           | 17°28          | 26°39          | 28° 9          | T 25 |
| W26  | 16 11 41 | 4° 5'38          | 22°20          | 25°25          | 11°21         | 0 <b>∺</b> 2 | 5°25            | 19°14          | 20°43          | 15°17 | 24°49           | 16°43           | 17°25          | 26°45          | 28°10          | W26  |
| T 27 | 16 15 38 | 5° 3'13          | 4 Mp 23        | 25°58          | 12°35         | 0°39         | 5°29            | 19°21          | 20°42          | 15°18 | 24°50           | 16°R43          | 17°22          | 26°52          | 28°10          | T 27 |
| F 28 | 16 19 34 | 6° 0'47          | 16°19          | 26°27          | 13°48         | 1°16         | 5°34            | 19°27          | 20°40          | 15°20 | 24°52           | 16°43           | 17°18          | 26°59          | 28°10          | F 28 |
| S 29 | 16 23 31 | 6°58'19          | 28°12          | 26°51          | 15° 2         | 1°53         | 5°38            | 19°32          | 20°39          | 15°22 | 24°53           | 16°42           | 17°15          | 27° 6          | 28°11          | S 29 |
| S 30 | 16 27 27 | 7°55'50          | 10 <b>♀</b> 6  | 27°10          | 16°16         | 2°30         | 5°43            | 19°38          | 20°37          | 15°24 | 24°54           | 16°41           | 17°12          | 27°12          | 28°11          | S 30 |
| M31  | 16 31 24 | 8 <b>Ⅱ</b> 53'20 | 22 <b>º</b> 7  | 27 <b>Ⅱ</b> 25 | 17耳30         | 3 <b>∺</b> 7 | 5 <b>M</b> ) 48 | 19 <b>Y</b> 44 | 20 <b>궁</b> 36 | 15926 | 24∏56           | 16耳40           | 17耳 9          | 27 <b>m</b> 19 | 28 <b>≈</b> 11 | M31  |

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| Day  | Sid.t    | 0        | D               | ğ      | φ              | ď              | 4              | ħ              | )f(            | Ħ      | Р              | u      | v              | Ç             | Ş.             | Day  |
|------|----------|----------|-----------------|--------|----------------|----------------|----------------|----------------|----------------|--------|----------------|--------|----------------|---------------|----------------|------|
| T 1  | 16 35 20 | 9∏50'49  | 4 <b>M</b> .16  | 27耳35  | 18 <b>Ⅱ</b> 43 | 3 <b>){</b> 44 | 5 <b>m</b> 53  | 19 <b>Y</b> 50 | 20°R34         | 159528 | 24∏57          | 16°R39 | 17耳 6          | 27 Mp 26      | 28≈11          | T 1  |
| W 2  | 16 39 17 | 10°48'16 | 16°37           | 27°40  | 19°57          | 4°21           | 5°58           | 19°56          | 20 <b>궁</b> 32 | 15°30  | 24°59          | 16耳39  | 17° 3          | 27°32         | 28°R11         | W 2  |
| T 3  | 16 43 13 | 11°45'42 | 29°11           | 27°R41 | 21°11          | 4°57           | 6° 4           | 20° 1          | 20°31          | 15°31  | 25° 0          | 16°38  | 16°59          | 27°39         | 28°11          | T 3  |
| F 4  | 16 47 10 | 12°43'08 | 12 <b>×</b> 7 1 | 27°37  | 22°24          | 5°34           | 6° 9           | 20° 7          | 20°29          | 15°33  | 25° 1          | 16°D38 | 16°56          | 27°46         | 28°11          | F 4  |
| S 5  | 16 51 7  | 13°40'32 | 25° 5           | 27°29  | 23°38          | 6°10           | 6°15           | 20°12          | 20°27          | 15°35  | 25° 3          | 16°38  | 16°53          | 27°53         | 28°11          | S 5  |
| S 6  | 16 55 3  | 14°37'56 | 8 <b>궁</b> 25   | 27°17  | 24°51          | 6°46           | 6°21           | 20°18          | 20°25          | 15°37  | 25° 4          | 16°38  | 16°50          | 27°59         | 28°11          | S 6  |
| M 7  | 16 59 0  | 15°35'18 | 21°58           | 27° 1  | 26° 5          | 7°22           | 6°27           | 20°23          | 20°24          | 15°39  | 25° 6          | 16°38  | 16°47          | 28° 6         | 28°10          | M 7  |
| T 8  | 17 2 56  | 16°32'41 | 5 <b>≈</b> 43   | 26°41  | 27°19          | 7°58           | 6°33           | 20°29          | 20°22          | 15°41  | 25° 7          | 16°R38 | 16°44          | 28°13         | 28°10          | T 8  |
| W 9  | 17 6 53  | 17°30'02 | 19°39           | 26°17  | 28°32          | 8°34           | 6°39           | 20°34          | 20°20          | 15°43  | 25° 8          | 16°38  | 16°40          | 28°19         | 28°10          | W 9  |
| T 10 | 17 10 49 | 18°27'23 | 3 <b>) (</b> 44 | 25°51  | 29°46          | 9° 9           | 6°46           | 20°39          | 20°18          | 15°45  | 25°10          | 16°38  | 16°37          | 28°26         | 28° 9          | T 10 |
| F 11 | 17 14 46 | 19°24'43 | 17°55           | 25°22  | 0959           | 9°45           | 6°52           | 20°44          | 20°16          | 15°47  | 25°11          | 16°D38 | 16°34          | 28°33         | 28° 9          | F 11 |
| S 12 | 17 18 43 | 20°22'03 | 2 <b>Υ</b> 10   | 24°51  | 2°13           | 10°20          | 6°59           | 20°49          | 20°14          | 15°49  | 25°13          | 16°38  | 16°31          | 28°40         | 28° 8          | S 12 |
| S 13 | 17 22 39 | 21°19'23 | 16°26           | 24°19  | 3°27           | 10°55          | 7° 6           | 20°54          | 20°12          | 15°51  | 25°14          | 16°38  | 16°28          | 28°46         | 28° 8          | S 13 |
| M14  | 17 26 36 | 22°16'42 | 0 <b>8</b> 42   | 23°45  | 4°40           | 11°30          | 7°13           | 20°59          | 20°10          | 15°53  | 25°15          | 16°39  | 16°24          | 28°53         | 28° 7          | M14  |
| T 15 | 17 30 32 | 23°14'01 | 14°52           | 23°11  | 5°54           | 12° 4          | 7°20           | 21° 4          | 20° 8          | 15°56  | 25°17          | 16°39  | 16°21          | 29° 0         | 28° 6          | T 15 |
| W16  | 17 34 29 | 24°11'20 | 28°54           | 22°38  | 7° 7           | 12°39          | 7°27           | 21° 9          | 20° 6          | 15°58  | 25°18          | 16°40  | 16°18          | 29° 7         | 28° 5          | W16  |
| T 17 | 17 38 25 | 25° 8'38 | 12 <b>Ⅱ</b> 46  | 22° 5  | 8°21           | 13°13          | 7°34           | 21°13          | 20° 4          | 16° 0  | 25°20          | 16°R40 | 16°15          | 29°13         | 28° 4          | T 17 |
| F 18 | 17 42 22 | 26° 5'55 | 26°23           | 21°33  | 9°34           | 13°47          | 7°42           | 21°18          | 20° 2          | 16° 2  | 25°21          | 16°40  | 16°12          | 29°20         | 28° 4          | F 18 |
| S 19 | 17 46 18 | 27° 3'13 | 99543           | 21° 3  | 10°48          | 14°21          | 7°49           | 21°22          | 20° 0          | 16° 4  | 25°23          | 16°39  | 16° 9          | 29°27         | 28° 3          | S 19 |
| S 20 | 17 50 15 | 28° 0'29 | 22°46           | 20°35  | 12° 1          | 14°54          | 7°57           | 21°27          | 19°57          | 16° 6  | 25°24          | 16°38  | 16° 5          | 29°33         | 28° 2          | S 20 |
| M21  | 17 54 12 | 28°57'45 | 5 <b>Ω</b> 32   | 20°11  | 13°15          | 15°28          | 8° 5           | 21°31          | 19°55          | 16° 8  | 25°25          | 16°37  | 16° 2          | 29°40         | 28° 0          | M21  |
| T 22 | 17 58 8  | 29°55'01 | 18° 1           | 19°49  | 14°28          | 16° 1          | 8°13           | 21°35          | 19°53          | 16°10  | 25°27          | 16°35  | 15°59          | 29°47         | 27°59          | T 22 |
| W23  | 18 2 5   | 0952'15  | 0 <b>m</b> 16   | 19°31  | 15°42          | 16°34          | 8°21           | 21°40          | 19°51          | 16°13  | 25°28          | 16°33  | 15°56          | 29°54         | 27°58          | W23  |
| T 24 | 18 6 1   | 1°49'30  | 12°19           | 19°17  | 16°55          | 17° 7          | 8°29           | 21°44          | 19°48          | 16°15  | 25°30          | 16°32  | 15°53          | 0 <b>호</b> 0  | 27°57          | T 24 |
| F 25 | 18 9 58  | 2°46'43  | 24°15           | 19° 7  | 18° 9          | 17°39          | 8°38           | 21°48          | 19°46          | 16°17  | 25°31          | 16°31  | 15°50          | 0° 7          | 27°56          | F 25 |
| S 26 | 18 13 54 | 3°43'56  | 6 <b>ଫ</b> 8    | 19° 2  | 19°22          | 18°11          | 8°46           | 21°52          | 19°44          | 16°19  | 25°33          | 16°D31 | 15°46          | 0°14          | 27°54          | S 26 |
| S 27 | 18 17 51 | 4°41'09  | 18° 3           | 19°D 1 | 20°36          | 18°43          | 8°55           | 21°56          | 19°42          | 16°21  | 25°34          | 16°31  | 15°43          | 0°20          | 27°53          | S 27 |
| M28  | 18 21 47 | 5°38'21  | 0 <b>™</b> 4    | 19° 5  | 21°49          | 19°15          | 9° 3           | 21°59          | 19°39          | 16°23  | 25°35          | 16°32  | 15°40          | 0°27          | 27°51          | M28  |
| T 29 | 18 25 44 | 6°35'32  | 12°16           | 19°13  | 23° 3          | 19°46          | 9°12           | 22° 3          | 1 <u>9</u> °37 | 16°26  | 25°37          | 16°34  | 15°37          | 0°34          | 27°50          | T 29 |
| W30  | 18 29 41 | 7932'43  | 24M42           | 19耳27  | 249916         | 20 <b>∺</b> 17 | 9 <b>m</b> )21 | 22 <b>°</b> 7  | 19 <b>る</b> 35 | 16928  | 25 <b>Ⅱ</b> 38 | 16耳35  | 15 <b>Ⅱ</b> 34 | 0 <b>≏</b> 41 | 27 <b>≈</b> 48 | W30  |

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| Day  | Sid.t    | 0                | D              | ğ              | ·             | ð               | 4               | ħ              | )∤(            | ¥     | Р              | ß              | Ω              | ţ             | , k    | Day  |
|------|----------|------------------|----------------|----------------|---------------|-----------------|-----------------|----------------|----------------|-------|----------------|----------------|----------------|---------------|--------|------|
| T 1  | 18 33 37 | 8929'54          | 7 <b>.</b> ₹26 | 19 <b>Ⅱ</b> 45 | 25929         | 20 <b>)</b> (48 | 9 <b>m</b> 30   | 22 <b>Y</b> 10 | 19°R32         | 16930 | 25 <b>Ⅱ</b> 40 | 16耳36          | 15 <b>Ⅲ</b> 30 | 0 <b>ჲ</b> 47 | 27°R47 | T 1  |
| F 2  | 18 37 34 | 9°27'05          | 20°30          | 20° 9          | 26°43         | 21°19           | 9°39            | 22°14          | 19 <b>る</b> 30 | 16°32 | 25°41          | 16°R36         | 15°27          | 0°54          | 27≈45  | F 2  |
| S 3  | 18 41 30 | 10°24'16         | 3 <b>ප</b> 54  | 20°37          | 27°56         | 21°49           | 9°48            | 22°17          | 19°28          | 16°35 | 25°42          | 16°36          | 15°24          | 1° 1          | 27°43  | S 3  |
| S 4  | 18 45 27 | 11°21'27         | 17°38          | 21°10          | 29° 9         | 22°19           | 9°57            | 22°20          | 19°25          | 16°37 | 25°44          | 16°34          | 15°21          | 1° 7          | 27°41  | S 4  |
| M 5  | 18 49 23 | 12°18'37         | 1≈38           | 21°48          | 0 <b>Ω</b> 23 | 22°49           | 10° 7           | 22°24          | 19°23          | 16°39 | 25°45          | 16°30          | 15°18          | 1°14          | 27°40  | M 5  |
| T 6  | 18 53 20 | 13°15'48         | 15°51          | 22°31          | 1°36          | 23°18           | 10°16           | 22°27          | 19°20          | 16°41 | 25°47          | 16°27          | 15°15          | 1°21          | 27°38  | T 6  |
| W 7  | 18 57 16 | 14°12'59         | 0 <b>∺</b> 12  | 23°19          | 2°49          | 23°47           | 10°26           | 22°30          | 19°18          | 16°43 | 25°48          | 16°23          | 15°11          | 1°28          | 27°36  | W 7  |
| T 8  | 19 1 13  | 15°10'10         | 14°35          | 24°11          | 4° 3          | 24°15           | 10°35           | 22°32          | 19°16          | 16°46 | 25°49          | 16°20          | 15° 8          | 1°34          | 27°34  | T 8  |
| F 9  | 19 5 10  | 16° 7'22         | 28°57          | 25° 8          | 5°16          | 24°44           | 10°45           | 22°35          | 19°13          | 16°48 | 25°51          | 16°18          | 15° 5          | 1°41          | 27°32  | F 9  |
| S 10 | 19 9 6   | 17° 4'34         | 13 <b>Y</b> 14 | 26° 9          | 6°29          | 25°12           | 10°55           | 22°38          | 19°11          | 16°50 | 25°52          | 16°D17         | 15° 2          | 1°48          | 27°30  | S 10 |
| S 11 | 19 13 3  | 18° 1'46         | 27°22          | 27°15          | 7°43          | 25°39           | 11° 5           | 22°41          | 19°8           | 16°52 | 25°53          | 16°17          | 14°59          | 1°54          | 27°28  | S 11 |
| M12  | 19 16 59 | 18°58'59         | 11821          | 28°26          | 8°56          | 26° 6           | 11°15           | 22°43          | 19° 6          | 16°55 | 25°55          | 16°18          | 14°56          | 2° 1          | 27°25  | M12  |
| T 13 | 19 20 56 | 19°56'13         | 25° 9          | 29°40          | 10° 9         | 26°33           | 11°25           | 22°46          | 19° 4          | 16°57 | 25°56          | 16°19          | 14°52          | 2° 8          | 27°23  | T 13 |
| W14  | 19 24 52 | 20°53'27         | 8 <b>Ⅱ</b> 46  | 199 0          | 11°22         | 27° 0           | 11°35           | 22°48          | 19° 1          | 16°59 | 25°57          | 16°20          | 14°49          | 2°15          | 27°21  | W14  |
| T 15 | 19 28 49 | 21°50'42         | 22°12          | 2°23           | 12°36         | 27°26           | 11°45           | 22°50          | 18°59          | 17° 1 | 25°59          | 16°R21         | 14°46          | 2°21          | 27°19  | T 15 |
| F 16 | 19 32 46 | 22°47'58         | 5 <b>9</b> 25  | 3°51           | 13°49         | 27°51           | 11°56           | 22°52          | 18°56          | 17° 3 | 26° 0          | 16°19          | 14°43          | 2°28          | 27°16  | F 16 |
| S 17 | 19 36 42 | 23°45'14         | 18°26          | 5°22           | 15° 2         | 28°16           | 12° 6           | 22°54          | 18°54          | 17° 6 | 26° 1          | 16°16          | 14°40          | 2°35          | 27°14  | S 17 |
| S 18 | 19 40 39 | 24°42'30         | 1 <b>Q</b> 13  | 6°58           | 16°15         | 28°41           | 12°17           | 22°56          | 18°52          | 17° 8 | 26° 2          | 16°11          | 14°36          | 2°42          | 27°12  | S 18 |
| M19  | 19 44 35 | 25°39'46         | 13°48          | 8°37           | 17°29         | 29° 5           | 12°27           | 22°58          | 18°49          | 17°10 | 26° 4          | 16° 4          | 14°33          | 2°48          | 27° 9  | M19  |
| T 20 | 19 48 32 | 26°37'03         | 26°10          | 10°20          | 18°42         | 29°29           | 12°38           | 23° 0          | 18°47          | 17°12 | 26° 5          | 15°57          | 14°30          | 2°55          | 27° 7  | T 20 |
| W21  | 19 52 28 | 27°34'21         | 8 Mp 20        | 12° 7          | 19°55         | 29°52           | 12°49           | 23° 1          | 18°44          | 17°15 | 26° 6          | 15°50          | 14°27          | 3° 2          | 27° 4  | W21  |
| T 22 | 19 56 25 | 28°31'38         | 20°21          | 13°56          | 21° 8         | 0 <b>Υ</b> 15   | 13° 0           | 23° 3          | 18°42          | 17°17 | 26° 8          | 15°44          | 14°24          | 3° 8          | 27° 2  | T 22 |
| F 23 | 20 0 21  | 29°28'57         | 2 <b>≏</b> 16  | 15°49          | 22°21         | 0°37            | 13°10           | 23° 4          | 18°40          | 17°19 | 26° 9          | 15°39          | 14°21          | 3°15          | 26°59  | F 23 |
| S 24 | 20 4 18  | 0 <b>Ω</b> 26′15 | 14° 7          | 17°44          | 23°34         | 0°58            | 13°21           | 23° 6          | 18°37          | 17°21 | 26°10          | 15°35          | 14°17          | 3°22          | 26°57  | S 24 |
| S 25 | 20 8 15  | 1°23'34          | 26° 1          | 19°42          | 24°47         | 1°20            | 13°33           | 23° 7          | 18°35          | 17°23 | 26°11          | 15°D34         | 14°14          | 3°29          | 26°54  | S 25 |
| M26  | 20 12 11 | 2°20'53          | 8 <b>M</b> 0   | 21°42          | 26° 1         | 1°40            | 13°44           | 23° 8          | 18°33          | 17°25 | 26°12          | 15°34          | 14°11          | 3°35          | 26°51  | M26  |
| T 27 | 20 16 8  | 3°18'13          | 20°10          | 23°44          | 27°14         | 2° 0            | 13°55           | 23° 9          | 18°30          | 17°28 | 26°14          | 15°35          | 14° 8          | 3°42          | 26°49  | T 27 |
| W28  | 20 20 4  | 4°15'33          | 2 <b>,₹</b> 37 | 25°47          | 28°27         | 2°20            | 14° 6           | 23°10          | 18°28          | 17°30 | 26°15          | 15°36          | 14° 5          | 3°49          | 26°46  | W28  |
| T 29 | 20 24 1  | 5°12'54          | 15°24          | 27°51          | 29°40         | 2°39            | 14°17           | 23°11          | 18°26          | 17°32 | 26°16          | 15°R36         | 14° 2          | 3°55          | 26°43  | T 29 |
| F 30 | 20 27 57 | 6°10'15          | 28°35          | 29°57          | 0 <b>m</b> 53 | 2°57            | 14°29           | 23°12          | 18°23          | 17°34 | 26°17          | 15°36          | 13°58          | 4° 2          | 26°40  | F 30 |
| S 31 | 20 31 54 | 7 <b>Ω</b> 7'37  | 12 <b>る</b> 12 | 2 <b>N</b> 2   | 2M) 6         | <b>3</b> Υ15    | 14 <b>M</b> )40 | 23 <b>Y</b> 12 | 18 <b>ට</b> 21 | 17936 | 26Ⅱ18          | 15 <b>Ⅱ</b> 33 | 13耳55          | 4 <b>₾</b> 9  | 26≈38  | S 31 |

Delta T = 10.50 sec

AUGUST 1909 00:00 UT

| Day  | Sid.t    | 0                  | D               | ğ              | φ             | ð             | 4              | ħ              | )f(            | ¥     | Р              | r              | Ω              | Ç             | ę,     | Day  |
|------|----------|--------------------|-----------------|----------------|---------------|---------------|----------------|----------------|----------------|-------|----------------|----------------|----------------|---------------|--------|------|
| S 1  | 20 35 50 | 8 <b>Ω</b> 5'00    | 26 <b>궁</b> 13  | 4 <b>Ω</b> 8   | 3 <b>m</b> 19 | 3 <b>Υ</b> 32 | 14 Mp 52       | 23 <b>Y</b> 13 | 18°R19         | 17938 | 26∏19          | 15°R28         | 13 <b>Ⅱ</b> 52 | 4 <b>₽</b> 16 | 26°R35 | S 1  |
| M 2  | 20 39 47 | 9° 2'24            | 10≈36           | 6°14           | 4°31          | 3°49          | 15° 3          | 23°13          | 18 <b>궁</b> 17 | 17°40 | 26°20          | 15Ⅲ21          | 13°49          | 4°22          | 26≈32  | M 2  |
| T 3  | 20 43 44 | 9°59'48            | 25°16           | 8°19           | 5°44          | 4° 4          | 15°15          | 23°13          | 18°15          | 17°43 | 26°21          | 15°13          | 13°46          | 4°29          | 26°29  | T 3  |
| W 4  | 20 47 40 | 10°57'14           | 10 <b>) (</b> 4 | 10°24          | 6°57          | 4°20          | 15°27          | 23°14          | 18°12          | 17°45 | 26°23          | 15° 5          | 13°42          | 4°36          | 26°26  | W 4  |
| T 5  | 20 51 37 | 11°54'40           | 24°52           | 12°28          | 8°10          | 4°34          | 15°38          | 23°R14         | 18°10          | 17°47 | 26°24          | 14°57          | 13°39          | 4°42          | 26°23  | T 5  |
| F 6  | 20 55 33 | 12°52'08           | 9 <b>Υ</b> 33   | 14°31          | 9°23          | 4°48          | 15°50          | 23°14          | 18° 8          | 17°49 | 26°25          | 14°51          | 13°36          | 4°49          | 26°20  | F 6  |
| S 7  | 20 59 30 | 13°49'37           | 24° 0           | 16°33          | 10°36         | 5° 1          | 16° 2          | 23°14          | 18° 6          | 17°51 | 26°26          | 14°48          | 13°33          | 4°56          | 26°18  | S 7  |
| S 8  | 21 3 26  | 14°47'07           | 8812            | 18°34          | 11°49         | 5°14          | 16°14          | 23°13          | 18° 4          | 17°53 | 26°27          | 14°46          | 13°30          | 5° 3          | 26°15  | S 8  |
| M 9  | 21 7 23  | 15°44'39           | 22° 5           | 20°34          | 13° 1         | 5°26          | 16°26          | 23°13          | 18° 2          | 17°55 | 26°28          | 14°D46         | 13°27          | 5° 9          | 26°12  | M 9  |
| T 10 | 21 11 19 | 16°42'12           | 5 <b>Ⅱ</b> 41   | 22°32          | 14°14         | 5°37          | 16°38          | 23°13          | 18° 0          | 17°57 | 26°29          | 14°47          | 13°23          | 5°16          | 26° 9  | T 10 |
| W11  | 21 15 16 | 17°39'47           | 19° 0           | 24°29          | 15°27         | 5°47          | 16°50          | 23°12          | 17°58          | 17°59 | 26°30          | 14°R47         | 13°20          | 5°23          | 26° 6  | W11  |
| T 12 | 21 19 13 | 18°37'23           | 295 6           | 26°25          | 16°40         | 5°56          | 17° 2          | 23°11          | 17°56          | 18° 1 | 26°31          | 14°45          | 13°17          | 5°29          | 26° 3  | T 12 |
| F 13 | 21 23 9  | 19°35'01           | 14°58           | 28°19          | 17°52         | 6° 5          | 17°14          | 23°11          | 17°54          | 18° 3 | 26°32          | 14°42          | 13°14          | 5°36          | 26° 0  | F 13 |
| S 14 | 21 27 6  | 20°32'40           | 27°39           | 0 Mp 11        | 19° 5         | 6°13          | 17°26          | 23°10          | 17°52          | 18° 5 | 26°33          | 14°35          | 13°11          | 5°43          | 25°57  | S 14 |
| S 15 | 21 31 2  | 21°30'20           | 10Ω10           | 2° 3           | 20°18         | 6°20          | 17°38          | 23° 9          | 17°50          | 18° 7 | 26°33          | 14°26          | 13° 8          | 5°50          | 25°54  | S 15 |
| M16  | 21 34 59 | 22°28'02           | 22°31           | 3°53           | 21°30         | 6°27          | 17°51          | 23° 8          | 17°48          | 18° 9 | 26°34          | 14°15          | 13° 4          | 5°56          | 25°51  | M16  |
| T 17 | 21 38 55 | 23°25'44           | 4 Mp 42         | 5°41           | 22°43         | 6°32          | 18° 3          | 23° 7          | 17°46          | 18°11 | 26°35          | 14° 3          | 13° 1          | 6° 3          | 25°48  | T 17 |
| W18  | 21 42 52 | 24°23'28           | 16°46           | 7°28           | 23°56         | 6°37          | 18°15          | 23° 5          | 17°45          | 18°12 | 26°36          | 13°50          | 12°58          | 6°10          | 25°45  | W18  |
| T 19 | 21 46 48 | 25°21'14           | 28°43           | 9°13           | 25° 8         | 6°41          | 18°28          | 23° 4          | 17°43          | 18°14 | 26°37          | 13°39          | 12°55          | 6°16          | 25°42  | T 19 |
| F 20 | 21 50 45 | 26°19'00           | 10 <b>≏</b> 34  | 10°57          | 26°21         | 6°44          | 18°40          | 23° 3          | 17°41          | 18°16 | 26°38          | 13°29          | 12°52          | 6°23          | 25°39  | F 20 |
| S 21 | 21 54 42 | 27°16'48           | 22°24           | 12°40          | 27°33         | 6°46          | 18°53          | 23° 1          | 17°39          | 18°18 | 26°38          | 13°21          | 12°48          | 6°30          | 25°35  | S 21 |
| S 22 | 21 58 38 | 28°14'37           | 4 <b>M</b> .15  | 14°21          | 28°46         | 6°47          | 19° 5          | 22°59          | 17°38          | 18°20 | 26°39          | 13°17          | 12°45          | 6°37          | 25°32  | S 22 |
| M23  | 22 2 35  | 29°12'27           | 16°12           | 16° 1          | 29°58         | 6°R48         | 19°18          | 22°58          | 17°36          | 18°22 | 26°40          | 13°14          | 12°42          | 6°43          | 25°29  | M23  |
| T 24 | 22 6 31  | 0 <b>m</b> p 10'18 | 28°20           | 17°40          | 1₽11          | 6°47          | 19°30          | 22°56          | 17°35          | 18°23 | 26°41          | 13°D14         | 12°39          | 6°50          | 25°26  | T 24 |
| W25  | 22 10 28 | 1° 8'11            | 10 <b>∡</b> 43  | 19°17          | 2°23          | 6°46          | 19°43          | 22°54          | 17°33          | 18°25 | 26°41          | 13°R14         | 12°36          | 6°57          | 25°23  | W25  |
| T 26 | 22 14 24 | 2° 6'05            | 2 <u>3</u> °28  | 20°53          | 3°35          | 6°44          | 19°55          | 22°52          | 17°32          | 18°27 | 26°42          | 13°13          | 12°33          | 7° 3          | 25°20  | T 26 |
| F 27 | 22 18 21 | 3° 4'00            | 6 <b>ප</b> 38   | 22°27          | 4°48          | 6°41          | 20° 8          | 22°50          | 17°30          | 18°29 | 26°43          | 13°12          | 12°29          | 7°10          | 25°17  | F 27 |
| S 28 | 22 22 17 | 4° 1'57            | 20°16           | 24° 0          | 6° 0          | 6°38          | 20°21          | 22°48          | 17°29          | 18°30 | 26°44          | 13° 8          | 12°26          | 7°17          | 25°14  | S 28 |
| S 29 | 22 26 14 | 4°59'55            | 4≈24            | 25°32          | 7°12          | 6°33          | 20°33          | 22°45          | 17°27          | 18°32 | 26°44          | 13° 1          | 12°23          | 7°23          | 25°12  | S 29 |
| M30  | 22 30 11 | 5°57'54            | 18°59           | 27° 3          | 8°25          | 6°28          | 20°46          | 22°43          | 1 <u>7</u> °26 | 18°34 | 26°45          | 12°52          | 12°20          | 7°30          | 25° 9  | M30  |
| T 31 | 22 34 7  | 6 <b>m</b> 55'55   | 3 <b>∺</b> 55   | 28 <b>m</b> 32 | 9 <b>≙</b> 37 | 6 <b>Υ</b> 22 | 20 <b>m</b> 59 | 22 <b>Y</b> 40 | 17 <b>る</b> 25 | 18935 | 26 <b>Ⅱ</b> 45 | 12 <b>Ⅱ</b> 42 | 12 <b>Ⅱ</b> 17 | 7 <b>≙</b> 37 | 25≈ 6  | T 31 |

Delta T = 10.61 sec

SEPTEMBER 1909 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | φ              | ♂              | 4              | ħ              | )∤(            | ¥      | В      | ß      | v               | Ç              | ę,     | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|--------|--------|-----------------|----------------|--------|------|
| W 1  | 22 38 4  | 7 <b>m</b> 53'57 | 19 <b>)</b> 3   | 29 <b>m</b> 59 | 10 <b>≏</b> 49 | 6°R15          | 21 Mp 12       | 22°R38         | 17°R23         | 18937  | 26∏46  | 12°R31 | 12 <b>I</b> I14 | 7 <b>≙</b> 44  | 25°R 3 | W 1  |
| T 2  | 22 42 0  | 8°52'01          | <b>4Υ</b> 13    | 1 <u>₽</u> 26  | 12° 1          | 6 <b>℃</b> 7   | 21°24          | 22 <b>Y</b> 35 | 17 <b>る</b> 22 | 18°38  | 26°47  | 12Ⅲ20  | 12°10           | 7°50           | 25≈ 0  | T 2  |
| F 3  | 22 45 57 | 9°50'07          | 19°15           | 2°51           | 13°13          | 5°59           | 21°37          | 22°32          | 17°21          | 18°40  | 26°47  | 12°12  | 12° 7           | 7°57           | 24°57  | F 3  |
| S 4  | 22 49 53 | 10°48'15         | 4 <b>8</b> 0    | 4°15           | 14°25          | 5°49           | 21°50          | 22°29          | 17°20          | 18°41  | 26°48  | 12° 6  | 12° 4           | 8° 4           | 24°54  | S 4  |
| S 5  | 22 53 50 | 11°46'25         | 18°22           | 5°37           | 15°37          | 5°39           | 22° 3          | 22°26          | 17°19          | 18°43  | 26°48  | 12° 3  | 12° 1           | 8°10           | 24°51  | S 5  |
| M 6  | 22 57 46 | 12°44'37         | 2Д21            | 6°58           | 16°49          | 5°29           | 22°16          | 22°23          | 17°18          | 18°44  | 26°49  | 12° 2  | 11°58           | 8°17           | 24°48  | M 6  |
| T 7  | 23 1 43  | 13°42'51         | 15°55           | 8°17           | 18° 1          | 5°17           | 22°29          | 22°20          | 17°17          | 18°46  | 26°49  | 12° 2  | 11°54           | 8°24           | 24°46  | T 7  |
| W 8  | 23 5 39  | 14°41'07         | 29° 8           | 9°35           | 19°13          | 5° 5           | 22°42          | 22°17          | 17°16          | 18°47  | 26°50  | 12° 2  | 11°51           | 8°31           | 24°43  | W 8  |
| T 9  | 23 9 36  | 15°39'25         | 1295 3          | 10°51          | 20°25          | 4°52           | 22°54          | 22°14          | 17°15          | 18°49  | 26°50  | 12° 0  | 11°48           | 8°37           | 24°40  | T 9  |
| F 10 | 23 13 33 | 16°37'45         | 24°42           | 12° 6          | 21°37          | 4°39           | 23° 7          | 22°11          | 17°14          | 18°50  | 26°50  | 11°56  | 11°45           | 8°44           | 24°37  | F 10 |
| S 11 | 23 17 29 | 17°36'07         | 7 <b>Ω</b> 8    | 13°19          | 22°49          | 4°25           | 23°20          | 22° 7          | 17°13          | 18°51  | 26°51  | 11°48  | 11°42           | 8°51           | 24°35  | S 11 |
| S 12 | 23 21 26 | 18°34'32         | 19°25           | 14°30          | 24° 1          | 4°11           | 23°33          | 22° 4          | 17°12          | 18°53  | 26°51  | 11°38  | 11°39           | 8°57           | 24°32  | S 12 |
| M13  | 23 25 22 | 19°32'58         | 1 <b>m</b> ) 34 | 15°39          | 25°12          | 3°56           | 23°46          | 22° 0          | 17°12          | 18°54  | 26°51  | 11°26  | 11°35           | 9° 4           | 24°29  | M13  |
| T 14 | 23 29 19 | 20°31'26         | 13°36           | 16°46          | 26°24          | 3°40           | 23°59          | 21°56          | 17°11          | 18°55  | 26°52  | 11°12  | 11°32           | 9°11           | 24°27  | T 14 |
| W15  | 23 33 15 | 21°29'56         | 25°32           | 17°51          | 27°36          | 3°24           | 24°12          | 21°53          | 17°10          | 18°57  | 26°52  | 10°58  | 11°29           | 9°18           | 24°24  | W15  |
| T 16 | 23 37 12 | 22°28'28         | 7 <b>≗</b> 25   | 18°53          | 28°47          | 3° 8           | 24°25          | 21°49          | 17°10          | 18°58  | 26°52  | 10°45  | 11°26           | 9°24           | 24°21  | T 16 |
| F 17 | 23 41 8  | 23°27'01         | 19°15           | 19°54          | 29°59          | 2°51           | 24°38          | 21°45          | 17° 9          | 18°59  | 26°52  | 10°34  | 11°23           | 9°31           | 24°19  | F 17 |
| S 18 | 23 45 5  | 24°25'37         | 1 <b>m</b> 4    | 20°52          | 1 <b>m</b> 11  | 2°34           | 24°51          | 21°41          | 17° 9          | 19° 0  | 26°53  | 10°25  | 11°19           | 9°38           | 24°16  | S 18 |
| S 19 | 23 49 2  | 25°24'14         | 12°56           | 21°47          | 2°22           | 2°17           | 25° 4          | 21°37          | 17° 8          | 19° 1  | 26°53  | 10°19  | 11°16           | 9°44           | 24°14  | S 19 |
| M20  | 23 52 58 | 26°22'53         | 24°53           | 22°39          | 3°34           | 2° 0           | 25°17          | 21°33          | 17° 8          | 19° 2  | 26°53  | 10°16  | 11°13           | 9°51           | 24°12  | M20  |
| T 21 | 23 56 55 | 27°21'34         | 7 <b>.₹</b> 0   | 23°28          | 4°45           | 1°43           | 25°30          | 21°29          | 17° 8          | 19° 3  | 26°53  | 10°D15 | 11°10           | 9°58           | 24° 9  | T 21 |
| W22  | 0 0 51   | 28°20'16         | 19°21           | 24°13          | 5°56           | 1°25           | 25°43          | 21°25          | 17° 7          | 19° 4  | 26°53  | 10°15  | 11° 7           | 10° 4          | 24° 7  | W22  |
| T 23 | 0 4 48   | 29°19'01         | 2ਰ 1            | 24°55          | 7° 8           | 1° 8           | 25°56          | 21°21          | 17° 7          | 19° 6  | 26°53  | 10°R16 | 11° 4           | 10°11          | 24° 5  | T 23 |
| F 24 | 0 8 44   | 0 <b>≏</b> 17'47 | 15° 6           | 25°32          | 8°19           | 0°50           | 26° 9          | 21°17          | 17° 7          | 19° 6  | 26°54  | 10°15  | 11° 0           | 10°18          | 24° 2  | F 24 |
| S 25 | 0 12 41  | 1°16'34          | 28°38           | 26° 6          | 9°30           | 0°33           | 26°22          | 21°12          | 17° 7          | 19° 7  | 26°54  | 10°12  | 10°57           | 10°25          | 24° 0  | S 25 |
| S 26 | 0 16 37  | 2°15'24          | 12≈41           | 26°34          | 10°41          | 0°15           | 26°35          | 21° 8          | 17° 7          | 19° 8  | 26°54  | 10° 6  | 10°54           | 10°31          | 23°58  | S 26 |
| M27  | 0 20 34  | 3°14'15          | 27°12           | 26°58          | 11°52          | 29 <b>米</b> 58 | 26°48          | 21° 4          | 17°D 7         | 19° 9  | 26°R54 | 9°59   | 10°51           | 10°38          | 23°56  | M27  |
| T 28 | 0 24 31  | 4°13'08          | 12 <b>米</b> 9   | 27°16          | 13° 4          | 29°41          | 27° 1          | 20°59          | 17° 7          | 19°10  | 26°54  | 9°50   | 10°48           | 10°45          | 23°54  | T 28 |
| W29  | 0 28 27  | 5°12'02          | 27°23           | 27°28          | 14°15          | 29°24          | 27°14          | 20°55          | 1 <u>7°</u> 7  | 19°11  | 26°54  | 9°40   | 10°45           | 10°51          | 23°52  | W29  |
| T 30 | 0 32 24  | 6 <b>≏</b> 10'59 | 12 <b>Y</b> 43  | 27°R34         | 15 <b>M</b> 25 | 29 <b>∺</b> 8  | 27 <b>m</b> 27 | 20 <b>Υ</b> 50 | 17ਰ 7          | 199512 | 26耳54  | 9耳31   | 10 <b>Ⅱ</b> 41  | 10 <b>≏</b> 58 | 23≈50  | T 30 |

Delta T = 10.71 sec

OCTOBER 1909 00:00 UT

| Day  | Sid.t   | 0               | D              | ğ              | ₽              | ♂               | 4             | ħ              | )f(            | ¥      | Р      | B             | Ω              | Ç              | ę,     | Day  |
|------|---------|-----------------|----------------|----------------|----------------|-----------------|---------------|----------------|----------------|--------|--------|---------------|----------------|----------------|--------|------|
| F 1  | 0 36 20 | 7 <b>♀</b> 9'58 | 27 <b>Y</b> 58 | 27°R33         | 16MJ36         | 28°R52          | 27 Mp 40      | 20°R46         | 17る 7          | 199512 | 26°R54 | 9°R23         | 10 <b>Ⅲ</b> 38 | 11 <b>♀</b> 5  | 23°R48 | F 1  |
| S 2  | 0 40 17 | 8° 8'58         | 12 <b>8</b> 57 | 27 <b>≏</b> 25 | 17°47          | 28 <b>)</b> (36 | 27°52         | 20 <b>Y</b> 41 | 17° 7          | 19°13  | 26耳53  | 9 <b>Ⅲ</b> 18 | 10°35          | 11°11          | 23≈46  | S 2  |
| S 3  | 0 44 13 | 9° 8'02         | 27°34          | 27° 9          | 18°58          | 28°21           | 28° 5         | 20°36          | 17° 8          | 19°14  | 26°53  | 9°16          | 10°32          | 11°18          | 23°44  | S 3  |
| M 4  | 0 48 10 | 10° 7'07        | 11 <b>Ⅲ</b> 44 | 26°46          | 20° 9          | 28° 6           | 28°18         | 20°32          | 17° 8          | 19°15  | 26°53  | 9°D15         | 10°29          | 11°25          | 23°42  | M 4  |
| T 5  | 0 52 6  | 11° 6'15        | 25°27          | 26°14          | 21°19          | 27°52           | 28°31         | 20°27          | 17° 8          | 19°15  | 26°53  | 9°16          | 10°25          | 11°32          | 23°40  | T 5  |
| W 6  | 0 56 3  | 12° 5'25        | 89543          | 25°35          | 22°30          | 27°38           | 28°44         | 20°22          | 17° 9          | 19°16  | 26°53  | 9°R17         | 10°22          | 11°38          | 23°39  | W 6  |
| T 7  | 1 0 0   | 13° 4'38        | 21°36          | 24°48          | 23°41          | 27°25           | 28°57         | 20°18          | 17° 9          | 19°16  | 26°53  | 9°16          | 10°19          | 11°45          | 23°37  | T 7  |
| F 8  | 1 3 56  | 14° 3'53        | 4 <b>Ω</b> 11  | 23°54          | 24°51          | 27°12           | 29° 9         | 20°13          | 17°10          | 19°17  | 26°52  | 9°14          | 10°16          | 11°52          | 23°36  | F 8  |
| S 9  | 1 7 53  | 15° 3'10        | 16°30          | 22°54          | 26° 1          | 27° 0           | 29°22         | 20° 8          | 17°10          | 19°17  | 26°52  | 9°10          | 10°13          | 11°58          | 23°34  | S 9  |
| S 10 | 1 11 49 | 16° 2'29        | 28°39          | 21°49          | 27°12          | 26°49           | 29°35         | 20° 4          | 17°11          | 19°18  | 26°52  | 9° 3          | 10°10          | 12° 5          | 23°33  | S 10 |
| M11  | 1 15 46 | 17° 1'51        | 10 <b>m</b> 39 | 20°39          | 28°22          | 26°38           | 29°48         | 19°59          | 17°12          | 19°18  | 26°52  | 8°54          | 10° 6          | 12°12          | 23°31  | M11  |
| T 12 | 1 19 42 | 18° 1'15        | 22°34          | 19°27          | 29°32          | 26°28           | 0 <b>亚</b> 0  | 19°54          | 17°12          | 19°19  | 26°51  | 8°45          | 10° 3          | 12°19          | 23°30  | T 12 |
| W13  | 1 23 39 | 19° 0'41        | 4 <b>≏</b> 26  | 18°15          | 0 <b>∡</b> 742 | 26°18           | 0°13          | 19°49          | 17°13          | 19°19  | 26°51  | 8°35          | 10° 0          | 12°25          | 23°28  | W13  |
| T 14 | 1 27 35 | 20° 0'09        | 16°17          | 17° 4          | 1°53           | 26°10           | 0°26          | 19°45          | 17°14          | 19°19  | 26°51  | 8°25          | 9°57           | 12°32          | 23°27  | T 14 |
| F 15 | 1 31 32 | 20°59'39        | 28° 8          | 15°58          | 3° 3           | 26° 2           | 0°38          | 19°40          | 17°15          | 19°20  | 26°50  | 8°17          | 9°54           | 12°39          | 23°26  | F 15 |
| S 16 | 1 35 28 | 21°59'11        | 10 <b>M</b> 1  | 14°57          | 4°13           | 25°55           | 0°51          | 19°35          | 17°16          | 19°20  | 26°50  | 8°11          | 9°50           | 12°45          | 23°25  | S 16 |
| S 17 | 1 39 25 | 22°58'45        | 21°58          | 14° 3          | 5°22           | 25°48           | 1° 3          | 19°30          | 17°17          | 19°20  | 26°50  | 8° 8          | 9°47           | 12°52          | 23°24  | S 17 |
| M18  | 1 43 22 | 23°58'21        | 4 <b>才</b> 1   | 13°19          | 6°32           | 25°43           | 1°16          | 19°25          | 17°18          | 19°20  | 26°49  | 8°D 6         | 9°44           | 12°59          | 23°23  | M18  |
| T 19 | 1 47 18 | 24°57'59        | 16°13          | 12°44          | 7°42           | 25°38           | 1°28          | 19°21          | 17°19          | 19°20  | 26°49  | 8° 6          | 9°41           | 13° 5          | 23°22  | T 19 |
| W20  | 1 51 15 | 25°57'38        | 28°38          | 12°21          | 8°52           | 25°34           | 1°40          | 19°16          | 17°20          | 19°21  | 26°48  | 8° 7          | 9°38           | 13°12          | 23°21  | W20  |
| T 21 | 1 55 11 | 26°57'20        | 11 <b>る</b> 19 | 12° 8          | 10° 1          | 25°31           | 1°53          | 19°11          | 17°21          | 19°21  | 26°48  | 8° 9          | 9°35           | 13°19          | 23°20  | T 21 |
| F 22 | 1 59 8  | 27°57'03        | 24°21          | 12°D 7         | 11°10          | 25°29           | 2° 5          | 19° 7          | 17°23          | 19°21  | 26°47  | 8°R10         | 9°31           | 13°26          | 23°19  | F 22 |
| S 23 | 2 3 4   | 28°56'48        | 7 <b>≈</b> 46  | 12°17          | 12°20          | 25°28           | 2°17          | 19° 2          | 17°24          | 19°R21 | 26°47  | 8°10          | 9°28           | 13°32          | 23°18  | S 23 |
| S 24 | 2 7 1   | 29°56'34        | 21°37          | 12°38          | 13°29          | 25°D27          | 2°30          | 18°57          | 17°25          | 19°21  | 26°46  | 8° 8          | 9°25           | 13°39          | 23°18  | S 24 |
| M25  | 2 10 57 | 0M56'23         | 5 <b>)</b> 55  | 13° 8          | 14°38          | 25°27           | 2°42          | 18°53          | 17°27          | 19°21  | 26°45  | 8° 4          | 9°22           | 13°46          | 23°17  | M25  |
| T 26 | 2 14 54 | 1°56'12         | 20°38          | 13°47          | 15°47          | 25°28           | 2°54          | 18°48          | 17°28          | 19°21  | 26°45  | 7°59          | 9°19           | 13°52          | 23°17  | T 26 |
| W27  | 2 18 51 | 2°56'04         | 5 <b>Ƴ</b> 39  | 14°35          | 16°56          | 25°30           | 3° 6          | 18°44          | 17°30          | 19°21  | 26°44  | 7°54          | 9°16           | 13°59          | 23°16  | W27  |
| T 28 | 2 22 47 | 3°55'57         | 20°50          | 15°30          | 18° 5          | 25°32           | 3°18          | 18°39          | 17°31          | 19°20  | 26°44  | 7°49          | 9°12           | 14° 6          | 23°16  | T 28 |
| F 29 | 2 26 44 | 4°55'52         | 6 <b>8</b> 3   | 16°32          | 19°14          | 25°36           | 3°30          | 18°35          | 17°33          | 19°20  | 26°43  | 7°45          | 9° 9           | 14°12          | 23°15  | F 29 |
| S 30 | 2 30 40 | 5°55'49         | 21° 5          | 17°40          | 20°22          | 25°40           | 3°42          | 18°30          | 17°34          | 19°20  | 26°42  | 7°42          | 9° 6           | 14°19          | 23°15  | S 30 |
| S 31 | 2 34 37 | 6ML55'48        | 5 <b>Ⅱ</b> 49  | 18 <b>≏</b> 52 | 21 <b>×</b> 30 | 25 <b>米</b> 45  | 3 <b>≙</b> 54 | 18 <b>Y</b> 26 | 17 <b>ට</b> 36 | 199520 | 26∏42  | 7°D42         | 9耳 3           | 14 <b>≏</b> 26 | 23≈15  | S 31 |

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|------|---------|------------------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|--------|-----------------|---------------|----------------|----------------|--------|------|
| M 1  | 2 38 33 | 7 <b>M</b> 55'50 | 20Ⅱ 9          | 20 <b>♀</b> 9 | 22 <b>×</b> 39 | 25 <b>米</b> 50 | 4 <b>º</b> 6  | 18°R21         | 17 <b>る</b> 38 | 19°R19 | 26°R41          | 7 <b>Ⅱ</b> 42 | 9 <b>I</b> I 0 | 14 <b>≏</b> 32 | 23°R15 | M 1  |
| T 2  | 2 42 30 | 8°55'53          | 499 2          | 21°30         | 23°47          | 25°56          | 4°18          | 18 <b>Y</b> 17 | 17°39          | 199519 | 26∏40           | 7°43          | 8°56           | 14°39          | 23≈14  | T 2  |
| W 3  | 2 46 26 | 9°55'59          | 17°27          | 22°53         | 24°55          | 26° 3          | 4°29          | 18°13          | 17°41          | 19°19  | 26°39           | 7°45          | 8°53           | 14°46          | 23°D14 | W 3  |
| T 4  | 2 50 23 | 10°56'06         | $0\Omega 27$   | 24°20         | 26° 3          | 26°11          | 4°41          | 18° 9          | 17°43          | 19°18  | 26°39           | 7°46          | 8°50           | 14°53          | 23°14  | T 4  |
| F 5  | 2 54 20 | 11°56'16         | 13° 4          | 25°48         | 27°11          | 26°20          | 4°52          | 18° 4          | 17°45          | 19°18  | 26°38           | 7°R47         | 8°47           | 14°59          | 23°14  | F 5  |
| S 6  | 2 58 16 | 12°56'27         | 25°24          | 27°18         | 28°18          | 26°29          | 5° 4          | 18° 0          | 17°47          | 19°18  | 26°37           | 7°46          | 8°44           | 15° 6          | 23°15  | S 6  |
| S 7  | 3 2 13  | 13°56'41         | 7 <b>m</b> 30  | 28°50         | 29°26          | 26°39          | 5°15          | 17°56          | 17°49          | 19°17  | 26°36           | 7°44          | 8°41           | 15°13          | 23°15  | S 7  |
| M 8  | 3 6 9   | 14°56'57         | 19°28          | 0 <b>M</b> 23 | 0 <b>云</b> 33  | 26°49          | 5°27          | 17°52          | 17°51          | 19°17  | 26°35           | 7°41          | 8°37           | 15°19          | 23°15  | M 8  |
| T 9  | 3 10 6  | 15°57'14         | 1 <b>≏</b> 20  | 1°57          | 1°40           | 27° 0          | 5°38          | 17°48          | 17°53          | 19°16  | 26°35           | 7°38          | 8°34           | 15°26          | 23°15  | T 9  |
| W10  | 3 14 2  | 16°57'34         | 13°10          | 3°31          | 2°47           | 27°12          | 5°49          | 17°44          | 17°55          | 19°15  | 26°34           | 7°34          | 8°31           | 15°33          | 23°16  | W10  |
| T 11 | 3 17 59 | 17°57'55         | 25° 1          | 5° 6          | 3°54           | 27°25          | 6° 1          | 17°41          | 17°57          | 19°15  | 26°33           | 7°31          | 8°28           | 15°39          | 23°16  | T 11 |
| F 12 | 3 21 55 | 18°58'18         | 6 <b>M</b> 55  | 6°42          | 5° 1           | 27°38          | 6°12          | 17°37          | 17°59          | 19°14  | 26°32           | 7°28          | 8°25           | 15°46          | 23°17  | F 12 |
| S 13 | 3 25 52 | 19°58'43         | 18°55          | 8°17          | 6° 7           | 27°52          | 6°23          | 17°33          | 18° 2          | 19°14  | 26°31           | 7°26          | 8°22           | 15°53          | 23°17  | S 13 |
| S 14 | 3 29 49 | 20°59'10         | 1 <b>√</b> 2   | 9°53          | 7°14           | 28° 6          | 6°34          | 17°30          | 18° 4          | 19°13  | 26°30           | 7°25          | 8°18           | 16° 0          | 23°18  | S 14 |
| M15  | 3 33 45 | 21°59'38         | 13°18          | 11°29         | 8°20           | 28°21          | 6°45          | 17°26          | 18° 6          | 19°12  | 26°29           | 7°D25         | 8°15           | 16° 6          | 23°19  | M15  |
| T 16 | 3 37 42 | 23° 0'08         | 25°44          | 13° 5         | 9°26           | 28°36          | 6°55          | 17°23          | 18° 9          | 19°11  | 26°28           | 7°26          | 8°12           | 16°13          | 23°19  | T 16 |
| W17  | 3 41 38 | 24° 0'39         | 8 <b>궁</b> 22  | 14°41         | 10°31          | 28°53          | 7° 6          | 17°19          | 18°11          | 19°11  | 26°27           | 7°27          | 8° 9           | 16°20          | 23°20  | W17  |
| T 18 | 3 45 35 | 25° 1'11         | 21°14          | 16°17         | 11°37          | 29° 9          | 7°17          | 17°16          | 18°13          | 19°10  | 26°26           | 7°28          | 8° 6           | 16°26          | 23°21  | T 18 |
| F 19 | 3 49 31 | 26° 1'45         | 4≈22           | 17°53         | 12°42          | 29°26          | 7°27          | 17°13          | 18°16          | 19° 9  | 26°25           | 7°29          | 8° 2           | 16°33          | 23°22  | F 19 |
| S 20 | 3 53 28 | 27° 2'20         | 17°48          | 19°29         | 13°47          | 29°44          | 7°38          | 17°10          | 18°18          | 19° 8  | 26°24           | 7°30          | 7°59           | 16°40          | 23°23  | S 20 |
| S 21 | 3 57 25 | 28° 2'57         | 1 <b>∺</b> 32  | 21° 5         | 14°52          | 0 <b>Υ</b> 2   | 7°48          | 17° 7          | 18°21          | 19° 7  | 26°23           | 7°R30         | 7°56           | 16°46          | 23°24  | S 21 |
| M22  | 4 1 21  | 29° 3'34         | 15°37          | 22°40         | 15°56          | 0°21           | 7°59          | 17° 4          | 18°24          | 19° 6  | 26°22           | 7°29          | 7°53           | 16°53          | 23°25  | M22  |
| T 23 | 4 5 18  | 0 <b>才</b> 4'12  | 29°59          | 24°16         | 17° 1          | 0°41           | 8° 9          | 17° 1          | 18°26          | 19° 5  | 26°21           | 7°29          | 7°50           | 17° 0          | 23°26  | T 23 |
| W24  | 4 9 14  | 1° 4'52          | 14 <b>Y</b> 37 | 25°51         | 18° 5          | 1° 0           | 8°19          | 16°58          | 18°29          | 19° 4  | 26°20           | 7°28          | 7°47           | 17° 6          | 23°28  | W24  |
| T 25 | 4 13 11 | 2° 5'32          | 29°25          | 27°26         | 19°8           | 1°21           | 8°29          | 16°56          | 18°32          | 19° 3  | 26°19           | 7°27          | 7°43           | 17°13          | 23°29  | T 25 |
| F 26 | 4 17 7  | 3° 6'14          | 14816          | 29° 1         | 20°12          | 1°41           | 8°39          | 16°53          | 18°34          | 19° 2  | 26°18           | 7°27          | 7°40           | 17°20          | 23°30  | F 26 |
| S 27 | 4 21 4  | 4° 6'57          | 29° 4          | 0 <b>∡</b> 36 | 21°15          | 2° 2           | 8°49          | 16°51          | 18°37          | 19° 1  | 26°17           | 7°27          | 7°37           | 17°27          | 23°32  | S 27 |
| S 28 | 4 25 0  | 5° 7'41          | 13 <b>Ⅱ</b> 40 | 2°10          | 22°18          | 2°24           | 8°58          | 16°48          | 18°40          | 19° 0  | 26°16           | 7°D27         | 7°34           | 17°33          | 23°33  | S 28 |
| M29  | 4 28 57 | 6° 8'27          | 27°59          | 3°45          | 2 <u>3</u> °20 | 2°46           | 9° 8          | 16°46          | 1 <u>8</u> °43 | 18°59  | 26°15           | 7°27          | 7°31           | 17°40          | 23°35  | M29  |
| T 30 | 4 32 54 | 7 <b>√</b> 9'14  | 119555         | 5 <b>₹</b> 19 | 24 <b>る</b> 22 | 3 <b>Υ</b> 8   | 9 <b>≙</b> 17 | 16 <b>Υ</b> 44 | 18 <b>る</b> 45 | 18958  | 26 <b>I</b> I14 | 7°R27         | 7 <b>Ⅱ</b> 28  | 17 <b>≗</b> 47 | 23≈36  | T 30 |

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|------|---------|-------------------|------------------|----------------|----------------|----------------|----------------|----------------|-----------------|--------|-----------------|---------------|---------------|----------------|-------|------|
| W 1  | 4 36 50 | 8 <b>√</b> 10'03  | 259526           | 6 <b>₹</b> 54  | 25 <b>る</b> 24 | <b>3</b> Υ31   | 9 <b>≙</b> 27  | 16°R42         | 18 <b>පි</b> 48 | 18°R57 | 26°R13          | 7°R27         | 7∏24          | 17 <b>≏</b> 53 | 23≈38 | W 1  |
| T 2  | 4 40 47 | 9°10'52           | 8 <b>Ω</b> 33    | 8°28           | 26°26          | 3°54           | 9°36           | 16 <b>Y</b> 40 | 18°51           | 18955  | 26 <b>I</b> I11 | 7 <b>Ⅲ</b> 27 | 7°21          | 18° 0          | 23°40 | T 2  |
| F 3  | 4 44 43 | 10°11'44          | 21°16            | 10° 2          | 27°27          | 4°18           | 9°45           | 16°38          | 18°54           | 18°54  | 26°10           | 7°26          | 7°18          | 18° 7          | 23°41 | F 3  |
| S 4  | 4 48 40 | 11°12'36          | 3 <b>m</b> 40    | 11°36          | 28°27          | 4°42           | 9°54           | 16°36          | 18°57           | 18°53  | 26° 9           | 7°26          | 7°15          | 18°13          | 23°43 | S 4  |
| S 5  | 4 52 36 | 12°13'30          | 15°49            | 13°11          | 29°28          | 5° 6           | 10° 3          | 16°35          | 19° 0           | 18°52  | 26° 8           | 7°D26         | 7°12          | 18°20          | 23°45 | S 5  |
| M 6  | 4 56 33 | 13°14'25          | 27°46            | 14°45          | 0≈27           | 5°31           | 10°12          | 16°33          | 19° 3           | 18°50  | 26° 7           | 7°26          | 7° 8          | 18°27          | 23°47 | M 6  |
| T 7  | 5 0 29  | 14°15'21          | 9 <b>॒</b> 38    | 16°19          | 1°27           | 5°56           | 10°21          | 16°32          | 19° 6           | 18°49  | 26° 6           | 7°27          | 7° 5          | 18°33          | 23°49 | T 7  |
| W 8  | 5 4 26  | 15°16'18          | 21°28            | 17°53          | 2°26           | 6°21           | 10°30          | 16°30          | 19° 9           | 18°48  | 26° 5           | 7°28          | 7° 2          | 18°40          | 23°51 | W 8  |
| T 9  | 5 8 23  | 16°17'17          | 3 <b>M</b> 20    | 19°28          | 3°24           | 6°47           | 10°38          | 16°29          | 19°12           | 18°46  | 26° 3           | 7°29          | 6°59          | 18°47          | 23°53 | T 9  |
| F 10 | 5 12 19 | 17°18'17          | 15°19            | 21° 2          | 4°22           | 7°13           | 10°47          | 16°28          | 19°16           | 18°45  | 26° 2           | 7°30          | 6°56          | 18°54          | 23°55 | F 10 |
| S 11 | 5 16 16 | 18°19'18          | 27°26            | 22°36          | 5°20           | 7°39           | 10°55          | 16°27          | 19°19           | 18°43  | 26° 1           | 7°30          | 6°53          | 19° 0          | 23°58 | S 11 |
| S 12 | 5 20 12 | 19°20'20          | 9 <b>∡</b> ¹46   | 24°11          | 6°17           | 8° 6           | 11° 3          | 16°26          | 19°22           | 18°42  | 26° 0           | 7°R30         | 6°49          | 19° 7          | 24° 0 | S 12 |
| M13  | 5 24 9  | 20°21'22          | 22°18            | 25°45          | 7°13           | 8°33           | 11°11          | 16°25          | 19°25           | 18°41  | 25°59           | 7°30          | 6°46          | 19°14          | 24° 2 | M13  |
| T 14 | 5 28 5  | 21°22'26          | 5중 4             | 27°20          | 8° 9           | 9° 0           | 11°19          | 16°24          | 19°28           | 18°39  | 25°58           | 7°29          | 6°43          | 19°20          | 24° 5 | T 14 |
| W15  | 5 32 2  | 22°23'30          | 18° 5            | 28°55          | 9° 5           | 9°27           | 11°27          | 16°24          | 19°32           | 18°38  | 25°56           | 7°27          | 6°40          | 19°27          | 24° 7 | W15  |
| T 16 | 5 35 58 | 23°24'35          | 1≈18             | 0 <b>궁</b> 29  | 9°59           | 9°55           | 11°34          | 16°23          | 19°35           | 18°36  | 25°55           | 7°25          | 6°37          | 19°34          | 24°10 | T 16 |
| F 17 | 5 39 55 | 24°25'40          | 14°45            | 2° 4           | 10°53          | 10°23          | 11°42          | 16°23          | 19°38           | 18°35  | 25°54           | 7°22          | 6°34          | 19°40          | 24°12 | F 17 |
| S 18 | 5 43 52 | 25°26'45          | 28°24            | 3°39           | 11°47          | 10°51          | 11°49          | 16°23          | 19°41           | 18°33  | 25°53           | 7°20          | 6°30          | 19°47          | 24°15 | S 18 |
| S 19 | 5 47 48 | 26°27'51          | 12 <b>) (</b> 14 | 5°15           | 12°40          | 11°20          | 11°56          | 16°22          | 19°45           | 18°32  | 25°52           | 7°19          | 6°27          | 19°54          | 24°17 | S 19 |
| M20  | 5 51 45 | 27°28'57          | 26°14            | 6°50           | 13°32          | 11°49          | 12° 3          | 16°D22         | 19°48           | 18°30  | 25°50           | 7°D18         | 6°24          | 20° 0          | 24°20 | M20  |
| T 21 | 5 55 41 | 28°30'03          | 10 <b>Y</b> 23   | 8°25           | 14°23          | 12°18          | 12°10          | 16°22          | 19°52           | 18°29  | 25°49           | 7°18          | 6°21          | 20° 7          | 24°23 | T 21 |
| W22  | 5 59 38 | 29°31'09          | 24°39            | 10° 0          | 15°13          | 12°47          | 12°17          | 16°23          | 19°55           | 18°27  | 25°48           | 7°20          | 6°18          | 20°14          | 24°25 | W22  |
| T 23 | 6 3 34  | 0 <b>ට</b> 32'16  | 98 0             | 11°35          | 16° 3          | 13°17          | 12°24          | 16°23          | 19°58           | 18°25  | 25°47           | 7°21          | 6°14          | 20°20          | 24°28 | T 23 |
| F 24 | 6 7 31  | 1°33'22           | 23°23            | 13°11          | 16°52          | 13°47          | 12°30          | 16°23          | 20° 2           | 18°24  | 25°46           | 7°22          | 6°11          | 20°27          | 24°31 | F 24 |
| S 25 | 6 11 27 | 2°34'29           | 7 <b>Ⅱ</b> 43    | 14°46          | 17°40          | 14°17          | 12°36          | 16°24          | 20° 5           | 18°22  | 25°44           | 7°R23         | 6° 8          | 20°34          | 24°34 | S 25 |
| S 26 | 6 15 24 | 3°35'36           | 21°56            | 16°21          | 18°27          | 14°47          | 12°43          | 16°24          | 20° 9           | 18°21  | 25°43           | 7°22          | 6° 5          | 20°41          | 24°37 | S 26 |
| M27  | 6 19 21 | 4°36'44           | 5957             | 17°56          | 19°13          | 15°17          | 12°49          | 16°25          | 20°12           | 18°19  | 25°42           | 7°20          | 6° 2          | 20°47          | 24°40 | M27  |
| T 28 | 6 23 17 | 5°37'51           | 19°43            | 19°30          | 19°58          | 15°48          | 12°55          | 16°26          | 20°16           | 18°17  | 25°41           | 7°16          | 5°59          | 20°54          | 24°43 | T 28 |
| W29  | 6 27 14 | 6°38'59           | 3 <b>Ω</b> 10    | 21° 4          | 20°42          | 16°18          | 13° 0          | 16°27          | 20°19           | 18°16  | 25°40           | 7°12          | 5°55          | 21° 1          | 24°46 | W29  |
| T 30 | 6 31 10 | 7°40'07           | 16°17            | 22°37          | 21°25          | 16°49          | 13° 6          | 16°28          | 20°22           | 18°14  | 25°39           | 7° 7          | 5°52          | 21° 7          | 24°49 | T 30 |
| F 31 | 6 35 7  | 8 <b>ප්</b> 41'16 | 29€ 3            | 24 <b>궁</b> 10 | 22≈ 7          | 17 <b>Y</b> 20 | 13 <b>≏</b> 11 | 16 <b>Y</b> 29 | 20 <b>궁</b> 26  | 189512 | 25 <b>Ⅱ</b> 38  | 7 <b>I</b> 1  | 5 <b>Ⅱ</b> 49 | 21 <b>≏</b> 14 | 24≈52 | F 31 |

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|------|---------|-------------------|-----------------|----------------|-------|----------------|----------------|----------------|----------------|--------|-----------------|----------------|---------------|----------------|--------|------|
| S 1  | 6 39 3  | 9 <b>ප්</b> 42'24 | 11 <b>M</b> )30 | 25 <b>る</b> 42 | 22≈47 | 17 <b>Y</b> 52 | 13 <b>≏</b> 17 | 16 <b>Y</b> 31 | 20 <b>ට</b> 29 | 18°R11 | 25°R36          | 6°R57          | 5 <b>Ⅱ</b> 46 | 21 <b>≏</b> 21 | 24≈55  | S 1  |
| S 2  | 6 43 0  | 10°43'33          | 23°41           | 27°13          | 23°27 | 18°23          | 13°22          | 16°32          | 20°33          | 1895 9 | 25Ⅲ35           | 6 <b>I</b> I54 | 5°43          | 21°27          | 24°59  | S 2  |
| M 3  | 6 46 57 | 11°44'43          | 5 <b>≏</b> 40   | 28°42          | 24° 5 | 18°55          | 13°27          | 16°33          | 20°36          | 18° 7  | 25°34           | 6°52           | 5°40          | 21°34          | 25° 2  | M 3  |
| T 4  | 6 50 53 | 12°45'52          | 17°32           | 0≈ 9           | 24°42 | 19°27          | 13°31          | 16°35          | 20°40          | 18° 6  | 25°33           | 6°D52          | 5°36          | 21°41          | 25° 5  | T 4  |
| W 5  | 6 54 50 | 13°47'02          | 29°21           | 1°35           | 25°17 | 19°59          | 13°36          | 16°37          | 20°44          | 18° 4  | 25°32           | 6°53           | 5°33          | 21°47          | 25° 8  | W 5  |
| T 6  | 6 58 46 | 14°48'12          | 11 <b>M</b> J14 | 2°57           | 25°52 | 20°31          | 13°40          | 16°39          | 20°47          | 18° 2  | 25°31           | 6°55           | 5°30          | 21°54          | 25°12  | T 6  |
| F 7  | 7 2 43  | 15°49'22          | 23°14           | 4°17           | 26°24 | 21° 3          | 13°45          | 16°40          | 20°51          | 18° 0  | 25°30           | 6°57           | 5°27          | 22° 1          | 25°15  | F 7  |
| S 8  | 7 6 39  | 16°50'32          | 5 <b>₹</b> 27   | 5°34           | 26°55 | 21°35          | 13°49          | 16°43          | 20°54          | 17°59  | 25°28           | 6°R58          | 5°24          | 22° 7          | 25°19  | S 8  |
| S 9  | 7 10 36 | 17°51'42          | 17°56           | 6°46           | 27°25 | 22° 8          | 13°53          | 16°45          | 20°58          | 17°57  | 25°27           | 6°57           | 5°20          | 22°14          | 25°22  | S 9  |
| M10  | 7 14 32 | 18°52'52          | 0 <b>ප</b> 43   | 7°53           | 27°53 | 22°41          | 13°56          | 16°47          | 21° 1          | 17°55  | 25°26           | 6°54           | 5°17          | 22°21          | 25°26  | M10  |
| T 11 | 7 18 29 | 19°54'02          | 13°49           | 8°55           | 28°19 | 23°13          | 14° 0          | 16°49          | 21° 5          | 17°54  | 25°25           | 6°50           | 5°14          | 22°27          | 25°29  | T 11 |
| W12  | 7 22 26 | 20°55'11          | 27°14           | 9°51           | 28°43 | 23°46          | 14° 3          | 16°52          | 21° 8          | 17°52  | 25°24           | 6°43           | 5°11          | 22°34          | 25°33  | W12  |
| T 13 | 7 26 22 | 21°56'21          | 10≈55           | 10°39          | 29° 6 | 24°20          | 14° 7          | 16°54          | 21°12          | 17°50  | 25°23           | 6°35           | 5° 8          | 22°41          | 25°36  | T 13 |
| F 14 | 7 30 19 | 22°57'29          | 24°50           | 11°19          | 29°27 | 24°53          | 14°10          | 16°57          | 21°16          | 17°49  | 25°22           | 6°27           | 5° 5          | 22°48          | 25°40  | F 14 |
| S 15 | 7 34 15 | 23°58'37          | 8 <b>∺</b> 54   | 11°50          | 29°45 | 25°26          | 14°12          | 17° 0          | 21°19          | 17°47  | 25°21           | 6°20           | 5° 1          | 22°54          | 25°44  | S 15 |
| S 16 | 7 38 12 | 24°59'44          | 23° 3           | 12°12          | 0₩ 2  | 26° 0          | 14°15          | 17° 3          | 21°23          | 17°45  | 25°20           | 6°14           | 4°58          | 23° 1          | 25°47  | S 16 |
| M17  | 7 42 8  | 26° 0'51          | 7 <b>Υ</b> 14   | 12°R22         | 0°17  | 26°33          | 14°18          | 17° 6          | 21°26          | 17°44  | 25°19           | 6°10           | 4°55          | 23° 8          | 25°51  | M17  |
| T 18 | 7 46 5  | 27° 1'56          | 21°23           | 12°22          | 0°29  | 27° 7          | 14°20          | 17° 9          | 21°30          | 17°42  | 25°18           | 6°D 8          | 4°52          | 23°14          | 25°55  | T 18 |
| W19  | 7 50 1  | 28° 3'01          | 5 <b>8</b> 30   | 12°10          | 0°39  | 27°41          | 14°22          | 17°12          | 21°33          | 17°40  | 25°17           | 6° 8           | 4°49          | 23°21          | 25°59  | W19  |
| T 20 | 7 53 58 | 29° 4'05          | 19°32           | 11°46          | 0°47  | 28°15          | 14°24          | 17°15          | 21°37          | 17°39  | 25°16           | 6° 9           | 4°46          | 23°28          | 26° 2  | T 20 |
| F 21 | 7 57 55 | 0≈ 5'08           | 3 <b>Ⅱ</b> 30   | 11°11          | 0°52  | 28°49          | 14°26          | 17°18          | 21°40          | 17°37  | 25°15           | 6°R10          | 4°42          | 23°34          | 26° 6  | F 21 |
| S 22 | 8 1 51  | 1° 6'10           | 17°22           | 10°25          | 0°55  | 29°23          | 14°27          | 17°22          | 21°44          | 17°35  | 25°14           | 6°10           | 4°39          | 23°41          | 26°10  | S 22 |
| S 23 | 8 5 48  | 2° 7'11           | 199 7           | 9°29           | 0°R56 | 29°57          | 14°29          | 17°25          | 21°47          | 17°34  | 25°13           | 6° 7           | 4°36          | 23°48          | 26°14  | S 23 |
| M24  | 8 9 44  | 3° 8'11           | 14°43           | 8°25           | 0°54  | 0 <b>8</b> 32  | 14°30          | 17°29          | 21°51          | 17°32  | 25°12           | 6° 1           | 4°33          | 23°54          | 26°18  | M24  |
| T 25 | 8 13 41 | 4° 9'11           | 28° 7           | 7°16           | 0°49  | 1° 6           | 14°31          | 17°33          | 21°54          | 17°30  | 25°11           | 5°54           | 4°30          | 24° 1          | 26°22  | T 25 |
| W26  | 8 17 37 | 5°10'09           | 11 <b>Ω</b> 18  | 6° 2           | 0°42  | 1°41           | 14°32          | 17°37          | 21°58          | 17°29  | 25°11           | 5°43           | 4°26          | 24° 8          | 26°26  | W26  |
| T 27 | 8 21 34 | 6°11'06           | 24°14           | 4°46           | 0°33  | 2°15           | 14°32          | 17°41          | 22° 1          | 17°27  | 25°10           | 5°32           | 4°23          | 24°14          | 26°29  | T 27 |
| F 28 | 8 25 30 | 7°12'03           | 6 <b>M</b> 54   | 3°30           | 0°21  | 2°50           | 14°33          | 17°45          | 22° 5          | 17°26  | 25° 9           | 5°21           | 4°20          | 24°21          | 26°33  | F 28 |
| S 29 | 8 29 27 | 8°12'59           | 19°18           | 2°18           | 0° 6  | 3°25           | 14°33          | 17°49          | 22° 8          | 17°24  | 25° 8           | 5°10           | 4°17          | 24°28          | 26°37  | S 29 |
| S 30 | 8 33 24 | 9°13'54           | 1 <b>≏</b> 28   | 1° 9           | 29≈49 | 3°59           | 14°R33         | 17°53          | 22°12          | 17°22  | 25° 7           | 5° 2           | 4°14          | 24°34          | 26°41  | S 30 |
| M31  | 8 37 20 | 10≈14'48          | 13 <b>≏</b> 27  | 0≈ 7           | 29≈30 | 4 <b>8</b> 34  | 14 <b>≏</b> 33 | 17 <b>Ƴ</b> 57 | 22 <b>궁</b> 15 | 17921  | 25 <b>I</b> I 6 | 4 <b>I</b> I55 | 4 <b>Ⅱ</b> 11 | 24 <b>≏</b> 41 | 26≈45  | M31  |

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| Day  | Sid.t    | 0                  | 7)             | φ              | ·              | ð            | 4              | ħ              | ¥              | ¥      | 2              | ß             | C             | ţ              | Š     | Day  |
|------|----------|--------------------|----------------|----------------|----------------|--------------|----------------|----------------|----------------|--------|----------------|---------------|---------------|----------------|-------|------|
| T 1  | 8 41 17  | 11≈15'42           | 25 <b>₾</b> 18 | 29°R11         | 29°R 8         | 5 <b>8</b> 9 | 14°R32         | 18 <b>Y</b> 1  | 22 <b>궁</b> 19 | 17°R19 | 25°R 6         | 4°R52         | 4 <b>I</b> 7  | 24 <u>₽</u> 48 | 26≈49 | T 1  |
| W 2  | 8 45 13  | 12°16'34           | 7 <b>™</b> 7   | 28 <b>중</b> 24 | 28≈44          | 5°44         | 14 <b>≏</b> 32 | 18° 6          | 22°22          | 179518 | 25 <b>II</b> 5 | 4 <b>Ⅱ</b> 50 | 4° 4          | 24°54          | 26°53 | W 2  |
| T 3  | 8 49 10  | 13°17'26           | 18°58          | 27°44          | 28°18          | 6°19         | 14°31          | 18°10          | 22°25          | 17°16  | 25° 4          | 4°D50         | 4° 1          | 25° 1          | 26°57 | T 3  |
| F 4  | 8 53 6   | 14°18'17           | 0 <b>才</b> 58  | 27°14          | 27°50          | 6°55         | 14°30          | 18°15          | 22°29          | 17°15  | 25° 3          | 4°R51         | 3°58          | 25° 8          | 27° 2 | F 4  |
| S 5  | 8 57 3   | 15°19'07           | 13°11          | 26°52          | 27°20          | 7°30         | 14°29          | 18°20          | 22°32          | 17°13  | 25° 3          | 4°50          | 3°55          | 25°14          | 27° 6 | S 5  |
| S 6  | 9 0 59   | 16°19'57           | 25°43          | 26°38          | 26°48          | 8° 5         | 14°28          | 18°25          | 22°35          | 17°12  | 25° 2          | 4°48          | 3°52          | 25°21          | 27°10 | S 6  |
| M 7  | 9 4 56   | 17°20'45           | 8 <b>궁</b> 37  | 26°D32         | 26°15          | 8°41         | 14°26          | 18°29          | 22°39          | 17°11  | 25° 1          | 4°44          | 3°48          | 25°28          | 27°14 | M 7  |
| T 8  | 9 8 53   | 18°21'32           | 21°55          | 26°33          | 25°41          | 9°16         | 14°25          | 18°34          | 22°42          | 17° 9  | 25° 1          | 4°37          | 3°45          | 25°34          | 27°18 | T 8  |
| W 9  | 9 12 49  | 19°22'18           | 5≈38           | 26°42          | 25° 5          | 9°52         | 14°23          | 18°39          | 22°45          | 17° 8  | 25° 0          | 4°27          | 3°42          | 25°41          | 27°22 | W 9  |
| T 10 | 9 16 46  | 20°23'03           | 19°43          | 26°57          | 24°29          | 10°27        | 14°21          | 18°45          | 22°49          | 17° 6  | 24°59          | 4°15          | 3°39          | 25°48          | 27°26 | T 10 |
| F 11 | 9 20 42  | 21°23'46           | 4 <b>)</b> 5   | 27°18          | 23°52          | 11° 3        | 14°19          | 18°50          | 22°52          | 17° 5  | 24°59          | 4° 3          | 3°36          | 25°55          | 27°30 | F 11 |
| S 12 | 9 24 39  | 22°24'28           | 18°38          | 27°45          | 23°15          | 11°39        | 14°16          | 18°55          | 22°55          | 17° 4  | 24°58          | 3°52          | 3°32          | 26° 1          | 27°34 | S 12 |
| S 13 | 9 28 35  | 23°25'09           | 3 <b>Υ</b> 14  | 28°17          | 22°38          | 12°14        | 14°14          | 19° 0          | 22°58          | 17° 2  | 24°58          | 3°42          | 3°29          | 26° 8          | 27°38 | S 13 |
| M14  | 9 32 32  | 24°25'47           | 17°47          | 28°54          | 22° 1          | 12°50        | 14°11          | 19° 6          | 23° 1          | 17° 1  | 24°57          | 3°36          | 3°26          | 26°15          | 27°43 | M14  |
| T 15 | 9 36 28  | 25°26'24           | 2812           | 29°36          | 21°24          | 13°26        | 14° 8          | 19°11          | 23° 5          | 17° 0  | 24°57          | 3°32          | 3°23          | 26°21          | 27°47 | T 15 |
| W16  | 9 40 25  | 26°27'00           | 16°24          | 0≈21           | 20°48          | 14° 2        | 14° 5          | 19°17          | 23° 8          | 16°59  | 24°56          | 3°30          | 3°20          | 26°28          | 27°51 | W16  |
| T 17 | 9 44 22  | 27°27'33           | 0 <b>Ⅱ</b> 24  | 1°10           | 20°13          | 14°38        | 14° 1          | 19°22          | 23°11          | 16°57  | 24°56          | 3°30          | 3°17          | 26°35          | 27°55 | T 17 |
| F 18 | 9 48 18  | 28°28'05           | 14°10          | 2° 2           | 19°39          | 15°14        | 13°58          | 19°28          | 23°14          | 16°56  | 24°55          | 3°30          | 3°13          | 26°41          | 27°59 | F 18 |
| S 19 | 9 52 15  | 29°28'35           | 27°44          | 2°58           | 19° 6          | 15°50        | 13°54          | 19°34          | 23°17          | 16°55  | 24°55          | 3°28          | 3°10          | 26°48          | 28° 3 | S 19 |
| S 20 | 9 56 11  | 0 <b>¥</b> 29'03   | 1195 6         | 3°56           | 18°35          | 16°26        | 13°50          | 19°40          | 23°20          | 16°54  | 24°54          | 3°24          | 3° 7          | 26°55          | 28° 7 | S 20 |
| M21  | 10 0 8   | 1°29'29            | 24°18          | 4°58           | 18° 5          | 17° 2        | 13°46          | 19°45          | 23°23          | 16°53  | 24°54          | 3°17          | 3° 4          | 27° 1          | 28°11 | M21  |
| T 22 | 10 4 4   | 2°29'54            | 7 <b>Ω</b> 19  | 6° 1           | 17°38          | 17°39        | 13°42          | 19°51          | 23°26          | 16°52  | 24°54          | 3° 7          | 3° 1          | 27° 8          | 28°16 | T 22 |
| W23  | 10 8 1   | 3°30'16            | 20° 9          | 7° 7           | 17°12          | 18°15        | 13°38          | 19°57          | 23°29          | 16°51  | 24°53          | 2°55          | 2°58          | 27°15          | 28°20 | W23  |
| T 24 | 10 11 57 | 4°30'37            | 2 Mp 47        | 8°16           | 16°49          | 18°51        | 13°33          | 20° 3          | 23°32          | 16°50  | 24°53          | 2°41          | 2°54          | 27°21          | 28°24 | T 24 |
| F 25 | 10 15 54 | 5°30'56            | 15°14          | 9°26           | 16°28          | 19°27        | 13°29          | 20°10          | 23°35          | 16°49  | 24°53          | 2°27          | 2°51          | 27°28          | 28°28 | F 25 |
| S 26 | 10 19 51 | 6°31'14            | 27°29          | 10°38          | 16° 9          | 20° 4        | 13°24          | 20°16          | 23°37          | 16°48  | 24°52          | 2°14          | 2°48          | 27°35          | 28°32 | S 26 |
| S 27 | 10 23 47 | 7°31'30            | 9 <b>॒</b> 33  | 11°52          | 15°53          | 20°40        | 13°19          | 20°22          | 23°40          | 16°47  | 24°52          | 2° 2          | 2°45          | 27°41          | 28°36 | S 27 |
| M28  | 10 27 44 | 8 <b>) (</b> 31'44 | 21 <b>≏</b> 29 | 13 <b>≈</b> 8  | 15 <b>≈</b> 39 | 21816        | 13 <b>≏</b> 14 | 20 <b>Υ</b> 28 | 23 <b>궁</b> 43 | 169546 | 24Ⅲ52          | 1 <b>Ⅱ</b> 54 | 2 <b>Ⅱ</b> 42 | 27 <b>≏</b> 48 | 28≈40 | M28  |

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|--------------|----------------------|------------------------------|--------------------------|--------------------------------|-------------------------|-----------------|------------------------|-------------------------|----------------|-------------------------|-------------------------|------------------------|---------------|-----------------------|-----------------------|--------------|
| T 1          | 10 31 40             | 9 <b>米</b> 31'57             | 3ML19                    | 14≈25                          | 15°R28                  | 21853           | 13°R 9                 | 20 <b>Y</b> 35          | 23 <b>궁</b> 46 | 16°R45                  | 24°R52                  | 1°R48                  | 2 <b>川</b> 38 | 27 <u><b>Ω</b></u> 55 | 28≈44                 | T 1          |
| W 2<br>T 3   | 10 35 37<br>10 39 33 | 10°32'08<br>11°32'17         | 15° 7<br>26°57           | 15°44<br>17° 5                 | 15 <b>≈</b> 19<br>15°12 | 22°29<br>23° 6  | 13 <b>♀</b> 3<br>12°58 | 20°41<br>20°47          | 23°49<br>23°51 | 16 <b>9</b> 44<br>16°43 | 24 <b>∏</b> 51<br>24°51 | 1 <b>Ⅱ</b> 45<br>1°D44 | 2°35<br>2°32  | 28° 1<br>28° 8        | 28°48<br>28°52        | W 2<br>T 3   |
| F 4          | 10 43 30             | 12°32'25                     | 8 <b>×</b> 754           | 18°26                          | 15° 9                   | 23°42           | 12°52                  | 20°54                   | 23°54          | 16°42                   | 24°51                   | 1°R44                  | 2°29          | 28°15                 | 28°56                 | F 4          |
| S 5          | 10 47 26             | 13°32'32                     | 21° 5                    | 19°50                          | 15°D 7                  | 24°19           | 12°46                  | 21° 0                   | 23°56          | 16°41                   | 24°51                   | 1°44                   | 2°26          | 28°21                 | 29° 0                 | S 5          |
| S 6          | 10 51 23             | 14°32'37                     | 3 <b>ප</b> 35            | 21°14                          | 15° 8                   | 24°55           | 12°40                  | 21° 7                   | 23°59          | 16°41                   | 24°51                   | 1°43                   | 2°23          | 28°28                 | 29° 4                 | S 6          |
| M 7          | 10 55 20             | 15°32'40                     | 16°27                    | 22°40                          | 15°12                   | 25°32           | 12°34                  | 21°14                   | 24° 2          | 16°40                   | 24°51                   | 1°39                   | 2°19          | 28°35                 | 29° 8                 | M 7          |
| T 8          | 10 59 16             | 16°32'42                     | 29°47                    | 24° 8                          | 15°17                   | 26° 9           | 12°28                  | 21°20                   | 24° 4          | 16°39                   | 24°51                   | 1°33                   | 2°16          | 28°41                 | 29°12                 | T 8          |
| W 9          | 11 3 13<br>11 7 9    | 17°32'42                     | 13≈36                    | 25°36<br>27° 6                 | 15°25<br>15°36          | 26°45<br>27°22  | 12°21                  | 21°27<br>21°34          | 24° 7          | 16°39<br>16°38          | 24°51                   | 1°24<br>1°14           | 2°13<br>2°10  | 28°48                 | 29°16<br>29°20        | W 9          |
| T 10<br>F 11 | 11 7 9<br>11 11 6    | 18°32'41<br>19°32'37         | 27°51<br>12 <b>)</b> (30 | 28°37                          | 15°36<br>15°48          | 27°59           | 12°15<br>12° 8         | 21°34<br>21°41          | 24° 9<br>24°11 | 16°38<br>16°37          | 24°D51<br>24°51         | 1°14<br>1° 3           | 2°10<br>2° 7  | 28°55<br>29° 1        | 29°20<br>29°24        | T 10<br>F 11 |
| S 12         | 11 15 2              | 20°32'32                     | 27°24                    | 0 <b>∺</b> 9                   | 16° 2                   | 28°35           | 12° 2                  | 21°48                   | 24°14          | 16°37                   | 24°51                   | 0°52                   | 2° 3          | 29° 8                 | 29°28                 | S 12         |
| S 13         | 11 18 59             | 21°32'24                     | 12 <b>Y</b> 25           | 1°43                           | 16°19                   | 29°12           | 11°55                  | 21°55                   | 24°16          | 16°36                   | 24°51                   | 0°43                   | 2° 0          | 29°15                 | 29°32                 | S 13         |
| M14          | 11 22 55             | 22°32'15                     | 27°22                    | 3°18                           | 16°37                   | 29°49           | 11°48                  | 22° 2                   | 24°18          | 16°36                   | 24°51                   | 0°37                   | 1°57          | 29°21                 | 29°36                 | M14          |
| T 15         | 11 26 52             | 23°32'03                     | 128 8                    | 4°53                           | 16°58                   | 0Д26            | 11°41                  | 22° 9                   | 24°21          | 16°35                   | 24°51                   | 0°33                   | 1°54          | 29°28                 | 29°40                 | T 15         |
| W16          | 11 30 49             | 24°31'49                     | 26°38                    | 6°31                           | 17°20                   | 1° 2            | 11°34                  | 22°16                   | 24°23          | 16°35                   | 24°51                   | 0°D32                  | 1°51          | 29°35                 | 29°44                 | W16          |
| T 17         | 11 34 45             | 25°31'33                     | 10∏48                    | 8° 9                           | 17°44                   | 1°39            | 11°27                  | 22°23                   | 24°25          | 16°34                   | 24°51                   | 0°32                   | 1°48          | 29°41                 | 29°47                 | T 17         |
| F 18         | 11 38 42             | 26°31'15                     | 24°37                    | 9°48                           | 18° 9                   | 2°16            | 11°20                  | 22°30                   | 24°27          | 16°34                   | 24°51                   | 0°R32                  | 1°44          | 29°48                 | 29°51                 | F 18         |
| S 19         | 11 42 38             | 27°30'54                     | 8 <b>9</b> 5 7           | 11°29                          | 18°37                   | 2°53            | 11°12                  | 22°37                   | 24°29          | 16°34                   | 24°52                   | 0°32                   | 1°41          | 29°55                 | 29°55                 | S 19         |
| S 20         | 11 46 35             | 28°30'32                     | 21°19                    | 13°11                          | 19° 6                   | 3°30            | 11° 5                  | 22°44                   | 24°31          | 16°33                   | 24°52                   | 0°29                   | 1°38          | 0 <b>M</b> 1          | 29°59                 | S 20         |
| M21<br>T 22  | 11 50 31             | 29°30'06<br>0 <b>°</b> 29'39 | 4 <b>Ω</b> 15<br>16°59   | 14°55<br>16°39                 | 19°36<br>20° 8          | 4° 7<br>4°44    | 10°58                  | 22°51<br>22°59          | 24°33<br>24°35 | 16°33                   | 24°52<br>24°52          | 0°24<br>0°17           | 1°35<br>1°32  | 0° 8<br>0°15          | 0 <b>米</b> 2<br>0° 6  | M21<br>T 22  |
| W23          | 11 54 28<br>11 58 24 | 1°29'09                      | 29°31                    | 18°25                          | 20° 8<br>20°41          | 5°21            | 10°50<br>10°43         | 22°59<br>23° 6          | 24°33          | 16°33<br>16°33          | 24°52<br>24°53          | 0°17                   | 1°32<br>1°29  | 0°13                  | 0° 10                 | W23          |
| T 24         | 12 2 21              | 2°28'37                      | 11 m 52                  | 20°12                          | 21°16                   | 5°58            | 10°35                  | 23°13                   | 24°39          | 16°33                   | 24°53                   | 29857                  | 1°25          | 0°28                  | 0°13                  | T 24         |
| F 25         | 12 6 17              | 3°28'03                      | 24° 4                    | 22° 0                          | 21°52                   | 6°35            | 10°27                  | 23°20                   | 24°41          | 16°32                   | 24°53                   | 29°46                  | 1°22          | 0°35                  | 0°17                  | F 25         |
| S 26         | 12 10 14             | 4°27'27                      | 6 <u>හ</u> 8             | 23°50                          | 22°29                   | 7°11            | 10°20                  | 23°28                   | 24°42          | 16°32                   | 24°54                   | 29°36                  | 1°19          | 0°41                  | 0°21                  | S 26         |
| S 27         | 12 14 11             | 5°26'49                      | 18° 5                    | 25°41                          | 23° 7                   | 7°48            | 10°12                  | 23°35                   | 24°44          | 16°32                   | 24°54                   | 29°27                  | 1°16          | 0°48                  | 0°24                  | S 27         |
| M28          | 12 18 7              | 6°26'08                      | 29°57                    | 27°34                          | 23°47                   | 8°25            | 10° 4                  | 23°42                   | 24°46          | 16°32                   | 24°54                   | 29°20                  | 1°13          | 0°55                  | 0°28                  | M28          |
| T 29         | 12 22 4              | 7°25'26                      | 11 <b>M</b> .45          | 29°27                          | 24°27                   | 9° 2            | 9°57                   | 23°50                   | 24°47          | 16°D32                  | 24°55                   | 29°16                  | 1° 9          | 1° 1                  | 0°31                  | T 29         |
| W30          | 12 26 0              | 8°24'42<br>9 <b>℃</b> 23'57  | 23°33                    | 1 <b>Υ</b> 22<br>3 <b>Υ</b> 19 | 25° 9                   | 9°39            | 9°49<br>9 <b>≙</b> 41  | 23°57<br>24 <b>°</b> 75 | 24°49          | 16°32                   | 24°55<br>24 <b>Ⅲ</b> 56 | 29°15                  | 1° 6          | 1° 8                  | 0°35<br>0 <b>∺</b> 38 | W30          |
| T 31         | 12 29 57             | 91/25/5/                     | 5 <b>₹</b> 23            | 3 <b>Y</b> 19                  | 25≈52                   | 10 <b>I</b> I16 | 9 <b>22</b> 41         | 24 <b>Υ</b> 5           | 24 <b>궁</b> 50 | 16932                   | 2 <b>4Щ</b> 36          | 29°D14                 | 1 <b>II</b> 3 | 1 <b>M</b> .15        | 0大38                  | T 31         |

Delta T = 11.34 sec

APRIL 1910 00:00 UT

| Day  | Sid.t    | 0                 | D               | ğ             | φ              | ♂              | 4             | ħ              | )f(            | ¥     | В              | r              | Ω              | Ç              | ç             | Day  |
|------|----------|-------------------|-----------------|---------------|----------------|----------------|---------------|----------------|----------------|-------|----------------|----------------|----------------|----------------|---------------|------|
| F 1  | 12 33 53 | 10 <b>Y</b> 23'09 | 17 <b>.7</b> 21 | 5 <b>Υ</b> 16 | 26≈36          | 10 <b>Ⅱ</b> 53 | 9°R34         | 24 <b>Y</b> 12 | 24 <b>궁</b> 52 | 16932 | 24耳56          | 29816          | 1 <b>II</b> 0  | 1 <b>M</b> 21  | 0 <b>∺</b> 41 | F 1  |
| S 2  | 12 37 50 | 11°22'20          | 29°31           | 7°15          | 27°21          | 11°30          | 9 <b>≏</b> 26 | 24°20          | 24°53          | 16°33 | 24°57          | 29°17          | 0°57           | 1°28           | 0°45          | S 2  |
| S 3  | 12 41 46 | 12°21'29          | 11 <b>る</b> 59  | 9°15          | 28° 6          | 12° 8          | 9°18          | 24°27          | 24°55          | 16°33 | 24°57          | 29°R18         | 0°54           | 1°35           | 0°48          | S 3  |
| M 4  | 12 45 43 | 13°20'36          | 24°47           | 11°16         | 28°53          | 12°45          | 9°10          | 24°35          | 24°56          | 16°33 | 24°58          | 29°17          | 0°50           | 1°41           | 0°51          | M 4  |
| T 5  | 12 49 40 | 14°19'41          | 8 <b>≈</b> 2    | 13°19         | 29°40          | 13°22          | 9° 3          | 24°42          | 24°57          | 16°33 | 24°58          | 29°14          | 0°47           | 1°48           | 0°55          | T 5  |
| W 6  | 12 53 36 | 15°18'45          | 21°46           | 15°22         | 0 <b>)</b> €28 | 13°59          | 8°55          | 24°50          | 24°59          | 16°33 | 24°59          | 29°10          | 0°44           | 1°55           | 0°58          | W 6  |
| T 7  | 12 57 33 | 16°17'46          | 5 <b>¥</b> 58   | 17°26         | 1°17           | 14°36          | 8°47          | 24°57          | 25° 0          | 16°34 | 24°59          | 29° 4          | 0°41           | 2° 1           | 1° 1          | T 7  |
| F 8  | 13 1 29  | 17°16'46          | 20°37           | 19°31         | 2° 7           | 15°13          | 8°40          | 25° 5          | 25° 1          | 16°34 | 25° 0          | 28°58          | 0°38           | 2° 8           | 1° 4          | F 8  |
| S 9  | 13 5 26  | 18°15'44          | 5 <b>Υ</b> 36   | 21°36         | 2°58           | 15°50          | 8°32          | 25°13          | 25° 2          | 16°34 | 25° 1          | 28°52          | 0°35           | 2°15           | 1° 7          | S 9  |
| S 10 | 13 9 22  | 19°14'40          | 20°47           | 23°41         | 3°49           | 16°27          | 8°25          | 25°20          | 25° 3          | 16°35 | 25° 1          | 28°46          | 0°31           | 2°21           | 1°10          | S 10 |
| M11  | 13 13 19 | 20°13'34          | 5 <b>8</b> 59   | 25°47         | 4°40           | 17° 4          | 8°17          | 25°28          | 25° 4          | 16°35 | 25° 2          | 28°43          | 0°28           | 2°28           | 1°13          | M11  |
| T 12 | 13 17 15 | 21°12'26          | 21° 4           | 27°53         | 5°33           | 17°41          | 8°10          | 25°35          | 25° 5          | 16°36 | 25° 3          | 28°41          | 0°25           | 2°35           | 1°16          | T 12 |
| W13  | 13 21 12 | 22°11'16          | 5 <b>Ⅱ</b> 51   | 29°58         | 6°26           | 18°19          | 8° 2          | 25°43          | 25° 6          | 16°36 | 25° 4          | 28°D41         | 0°22           | 2°41           | 1°19          | W13  |
| T 14 | 13 25 9  | 23°10'04          | 20°17           | 2 <b>8</b> 2  | 7°19           | 18°56          | 7°55          | 25°51          | 25° 7          | 16°37 | 25° 4          | 28°42          | 0°19           | 2°48           | 1°22          | T 14 |
| F 15 | 13 29 5  | 24° 8'49          | 49518           | 4° 5          | 8°14           | 19°33          | 7°48          | 25°58          | 25° 8          | 16°37 | 25° 5          | 28°44          | 0°15           | 2°55           | 1°25          | F 15 |
| S 16 | 13 33 2  | 25° 7'33          | 17°55           | 6° 7          | 9° 8           | 20°10          | 7°41          | 26° 6          | 25° 8          | 16°38 | 25° 6          | 28°45          | 0°12           | 3° 1           | 1°28          | S 16 |
| S 17 | 13 36 58 | 26° 6'14          | 1 <b>Ω</b> 8    | 8° 6          | 10° 3          | 20°47          | 7°34          | 26°14          | 25° 9          | 16°39 | 25° 7          | 28°R45         | 0° 9           | 3° 8           | 1°30          | S 17 |
| M18  | 13 40 55 | 27° 4'52          | 14° 0           | 10° 4         | 10°59          | 21°24          | 7°27          | 26°21          | 25°10          | 16°39 | 25° 7          | 28°43          | 0° 6           | 3°15           | 1°33          | M18  |
| T 19 | 13 44 51 | 28° 3'29          | 26°36           | 11°59         | 11°55          | 22° 2          | 7°20          | 26°29          | 25°10          | 16°40 | 25° 8          | 28°41          | 0° 3           | 3°21           | 1°36          | T 19 |
| W20  | 13 48 48 | 29° 2'03          | 8 <b>m</b> 57   | 13°52         | 12°52          | 22°39          | 7°13          | 26°36          | 25°11          | 16°41 | 25° 9          | 28°37          | 29 <b>8</b> 59 | 3°28           | 1°39          | W20  |
| T 21 | 13 52 44 | 0 <b>8</b> 0'35   | 21° 6           | 15°41         | 13°49          | 23°16          | 7° 7          | 26°44          | 25°11          | 16°41 | 25°10          | 28°32          | 29°56          | 3°34           | 1°41          | T 21 |
| F 22 | 13 56 41 | 0°59'05           | 3 <b>₾</b> 8    | 17°27         | 14°47          | 23°53          | 7° 0          | 26°52          | 25°12          | 16°42 | 25°11          | 28°27          | 29°53          | 3°41           | 1°44          | F 22 |
| S 23 | 14 0 38  | 1°57'33           | 15° 3           | 19°10         | 15°45          | 24°30          | 6°54          | 26°59          | 25°12          | 16°43 | 25°12          | 28°23          | 29°50          | 3°48           | 1°46          | S 23 |
| S 24 | 14 434   | 2°55'59           | 26°53           | 20°49         | 16°43          | 25° 7          | 6°47          | 27° 7          | 25°13          | 16°44 | 25°13          | 28°19          | 29°47          | 3°54           | 1°49          | S 24 |
| M25  | 14 8 31  | 3°54'23           | 8 <b>M</b> .42  | 22°24         | 17°42          | 25°45          | 6°41          | 27°15          | 25°13          | 16°45 | 25°14          | 28°16          | 29°44          | 4° 1           | 1°51          | M25  |
| T 26 | 14 12 27 | 4°52'45           | 20°31           | 23°54         | 18°41          | 26°22          | 6°35          | 27°22          | 25°13          | 16°46 | 25°15          | 28°15          | 29°40          | 4° 8           | 1°53          | T 26 |
| W27  | 14 16 24 | 5°51'06           | 2 <b>₹</b> 22   | 25°21         | 19°40          | 26°59          | 6°29          | 27°30          | 25°13          | 16°47 | 25°16          | 28°D15         | 29°37          | 4°14           | 1°56          | W27  |
| T 28 | 14 20 20 | 6°49'25           | 14°17           | 26°43         | 20°40          | 27°36          | 6°23          | 27°37          | 25°13          | 16°48 | 25°17          | 28°16          | 29°34          | 4°21           | 1°58          | T 28 |
| F 29 | 14 24 17 | 7°47'42           | 26°21           | 28° 1         | 21°41          | 28°13          | 6°17          | 27°45          | 25°14          | 16°49 | 25°18          | 28°17          | 29°31          | 4°28           | 2° 0          | F 29 |
| S 30 | 14 28 13 | 8 <b>8</b> 45'58  | 8 <b>궁</b> 36   | 29814         | 22 <b>)</b> 41 | 28 <b>Ⅱ</b> 51 | 6 <b>₽</b> 12 | 27 <b>Y</b> 52 | 25°R14         | 16950 | 25 <b>Ⅱ</b> 19 | 28 <b>8</b> 19 | 29 <b>8</b> 28 | 4 <b>M</b> .34 | 2 <b>∺</b> 2  | S 30 |

Delta T = 11.45 sec

MAY 1910 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ             | φ               | ď      | 4             | ħ             | )∤(            | ¥     | В              | ß              | v              | Ç              | Q<br>K        | Day  |
|------|----------|------------------|----------------|---------------|-----------------|--------|---------------|---------------|----------------|-------|----------------|----------------|----------------|----------------|---------------|------|
| S 1  | 14 32 10 | 9 <b>8</b> 44'12 | 21る 5          | 0Д23          | 23 <b>)</b> (42 | 29∏28  | 6°R 6         | 28 <b>Y</b> 0 | 25°R14         | 16951 | 25Ⅲ20          | 28 <b>8</b> 20 | 29 <b>8</b> 25 | 4 <b>M</b> .41 | 2 <b>)</b> 4  | S 1  |
| M 2  | 14 36 7  | 10°42'25         | 3≈54           | 1°26          | 24°43           | 09 5   | 6 <b>₾</b> 1  | 28° 7         | 25 <b>궁</b> 14 | 16°52 | 25°21          | 28°21          | 29°21          | 4°48           | 2° 6          | M 2  |
| T 3  | 14 40 3  | 11°40'36         | 17° 4          | 2°25          | 25°45           | 0°42   | 5°56          | 28°15         | 25°13          | 16°53 | 25°22          | 28°R21         | 29°18          | 4°54           | 2° 8          | T 3  |
| W 4  | 14 44 0  | 12°38'46         | 0 <b>∺</b> 40  | 3°20          | 26°47           | 1°19   | 5°51          | 28°22         | 25°13          | 16°54 | 25°23          | 28°20          | 29°15          | 5° 1           | 2°10          | W 4  |
| T 5  | 14 47 56 | 13°36'54         | 14°42          | 4° 9          | 27°49           | 1°57   | 5°46          | 28°30         | 25°13          | 16°55 | 25°24          | 28°19          | 29°12          | 5° 8           | 2°12          | T 5  |
| F 6  | 14 51 53 | 14°35'01         | 29° 9          | 4°53          | 28°51           | 2°34   | 5°41          | 28°37         | 25°13          | 16°56 | 25°25          | 28°17          | 29° 9          | 5°14           | 2°14          | F 6  |
| S 7  | 14 55 49 | 15°33'06         | 13 <b>Y</b> 57 | 5°32          | 29°54           | 3°11   | 5°36          | 28°45         | 25°13          | 16°58 | 25°26          | 28°16          | 29° 6          | 5°21           | 2°16          | S 7  |
| S 8  | 14 59 46 | 16°31'10         | 29° 1          | 6° 7          | 0 <b>Ƴ</b> 56   | 3°48   | 5°32          | 28°52         | 25°12          | 16°59 | 25°27          | 28°14          | 29° 2          | 5°28           | 2°18          | S 8  |
| M 9  | 15 3 42  | 17°29'13         | 14812          | 6°36          | 2° 0            | 4°25   | 5°28          | 29° 0         | 25°12          | 17° 0 | 25°29          | 28°13          | 28°59          | 5°34           | 2°19          | M 9  |
| T 10 | 15 7 39  | 18°27'14         | 29°20          | 7° 0          | 3° 3            | 5° 3   | 5°24          | 29° 7         | 25°11          | 17° 2 | 25°30          | 28°D13         | 28°56          | 5°41           | 2°21          | T 10 |
| W11  | 15 11 36 | 19°25'13         | 14∏17          | 7°18          | 4° 6            | 5°40   | 5°20          | 29°14         | 25°11          | 17° 3 | 25°31          | 28°13          | 28°53          | 5°48           | 2°22          | W11  |
| T 12 | 15 15 32 | 20°23'11         | 28°54          | 7°32          | 5°10            | 6°17   | 5°16          | 29°22         | 25°10          | 17° 4 | 25°32          | 28°14          | 28°50          | 5°54           | 2°24          | T 12 |
| F 13 | 15 19 29 | 21°21'07         | 1395 7         | 7°41          | 6°14            | 6°54   | 5°12          | 29°29         | 25°10          | 17° 6 | 25°33          | 28°15          | 28°46          | 6° 1           | 2°25          | F 13 |
| S 14 | 15 23 25 | 22°19'01         | 26°53          | 7°R44         | 7°18            | 7°32   | 5° 9          | 29°36         | 25° 9          | 17° 7 | 25°35          | 28°15          | 28°43          | 6° 8           | 2°27          | S 14 |
| S 15 | 15 27 22 | 23°16'53         | 10 <b>Ω</b> 14 | 7°43          | 8°23            | 8° 9   | 5° 6          | 29°43         | 25° 8          | 17° 9 | 25°36          | 28°16          | 28°40          | 6°14           | 2°28          | S 15 |
| M16  | 15 31 18 | 24°14'44         | 23°10          | 7°37          | 9°27            | 8°46   | 5° 2          | 29°51         | 25° 8          | 17°10 | 25°37          | 28°R16         | 28°37          | 6°21           | 2°29          | M16  |
| T 17 | 15 35 15 | 25°12'33         | 5 <b>M</b> )45 | 7°26          | 10°32           | 9°24   | 4°59          | 29°58         | 25° 7          | 17°12 | 25°38          | 28°16          | 28°34          | 6°28           | 2°31          | T 17 |
| W18  | 15 39 11 | 26°10'20         | 18° 2          | 7°11          | 11°37           | 10° 1  | 4°57          | 0 <b>8</b> 5  | 25° 6          | 17°13 | 25°40          | 28°16          | 28°31          | 6°34           | 2°32          | W18  |
| T 19 | 15 43 8  | 27° 8'05         | 0요 7           | 6°53          | 12°42           | 10°38  | 4°54          | 0°12          | 25° 5          | 17°15 | 25°41          | 28°15          | 28°27          | 6°41           | 2°33          | T 19 |
| F 20 | 15 47 5  | 28° 5'49         | 12° 2          | 6°30          | 13°48           | 11°15  | 4°52          | 0°19          | 25° 4          | 17°16 | 25°42          | 28°D15         | 28°24          | 6°48           | 2°34          | F 20 |
| S 21 | 15 51 1  | 29° 3'31         | 23°53          | 6° 4          | 14°53           | 11°53  | 4°50          | 0°26          | 25° 3          | 17°18 | 25°43          | 28°15          | 28°21          | 6°54           | 2°35          | S 21 |
| S 22 | 15 54 58 | 0耳 1'12          | 5 <b>M</b> .41 | 5°36          | 15°59           | 12°30  | 4°47          | 0°33          | 25° 2          | 17°19 | 25°45          | 28°15          | 28°18          | 7° 1           | 2°36          | S 22 |
| M23  | 15 58 54 | 0°58'51          | 17°30          | 5° 5          | 17° 4           | 13° 7  | 4°46          | 0°40          | 25° 1          | 17°21 | 25°46          | 28°16          | 28°15          | 7° 8           | 2°37          | M23  |
| T 24 | 16 2 51  | 1°56'29          | 29°22          | 4°33          | 18°10           | 13°44  | 4°44          | 0°47          | 25° 0          | 17°23 | 25°47          | 28°R16         | 28°12          | 7°14           | 2°38          | T 24 |
| W25  | 16 6 47  | 2°54'06          | 11 <b>×</b> 20 | 3°59          | 19°17           | 14°22  | 4°42          | 0°54          | 24°59          | 17°24 | 25°49          | 28°16          | 28° 8          | 7°21           | 2°39          | W25  |
| T 26 | 16 10 44 | 3°51'42          | 23°25          | 3°25          | 20°23           | 14°59  | 4°41          | 1° 1          | 24°58          | 17°26 | 25°50          | 28°15          | 28° 5          | 7°28           | 2°39          | T 26 |
| F 27 | 16 14 40 | 4°49'17          | 5 <b>る</b> 40  | 2°51          | 21°29           | 15°36  | 4°40          | 1° 8          | 24°56          | 17°28 | 25°51          | 28°14          | 28° 2          | 7°34           | 2°40          | F 27 |
| S 28 | 16 18 37 | 5°46'50          | 18° 6          | 2°18          | 22°36           | 16°13  | 4°39          | 1°14          | 24°55          | 17°30 | 25°53          | 28°14          | 27°59          | 7°41           | 2°40          | S 28 |
| S 29 | 16 22 34 | 6°44'23          | 0≈46           | 1°46          | 23°42           | 16°51  | 4°38          | 1°21          | 24°54          | 17°31 | 25°54          | 28°13          | 27°56          | 7°47           | 2°41          | S 29 |
| M30  | 16 26 30 | 7°41'55          | 13°42          | <u>1°16</u>   | 24°49           | 17°28  | 4°38          | 1°28          | 2 <u>4</u> °53 | 17°33 | 25°55          | 28°12          | 27°52          | 7°54           | 2°42          | M30  |
| T 31 | 16 30 27 | 8 <b>Ⅱ</b> 39'26 | 26≈55          | 0 <b>Ⅱ</b> 47 | 25 <b>Y</b> 56  | 1895 5 | 4 <b>≏</b> 37 | 1834          | 24 <b>궁</b> 51 | 17935 | 25 <b>Ⅱ</b> 57 | 28811          | 27849          | 8 <b>M</b> 1   | 2 <b>)</b> 42 | T 31 |

Delta T = 11.55 sec

JUNE 1910 00:00 UT

| Day  | Sid.t    | 0        | D              | ğ              | φ             | ð             | 4             | ħ             | )f(            | ¥     | В     | v      | Ω              | Ç              | Š.              | Day  |
|------|----------|----------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|-------|-------|--------|----------------|----------------|-----------------|------|
| W 1  | 16 34 23 | 9∏36′56  | 10 <b>∺</b> 28 | 0°R22          | 27 <b>Y</b> 3 | 189543        | 4°R37         | 1841          | 24°R50         | 17937 | 25耳58 | 28°D11 | 27 <b>8</b> 46 | 8 <b>M</b> 7   | 2 <b>) (</b> 42 | W 1  |
| T 2  | 16 38 20 | 10°34'25 | 24°20          | 29 <b>8</b> 59 | 28°11         | 19°20         | 4°D37         | 1°48          | 24 <b>궁</b> 48 | 17°39 | 25°59 | 28811  | 27°43          | 8°14           | 2°43            | T 2  |
| F 3  | 16 42 16 | 11°31'53 | 8 <b>Y</b> 33  | 29°41          | 29°18         | 19°57         | 4 <b>₾</b> 37 | 1°54          | 24°47          | 17°40 | 26° 1 | 28°12  | 27°40          | 8°21           | 2°43            | F 3  |
| S 4  | 16 46 13 | 12°29'21 | 23° 4          | 29°26          | 0 <b>8</b> 25 | 20°34         | 4°37          | 2° 0          | 24°45          | 17°42 | 26° 2 | 28°13  | 27°37          | 8°27           | 2°43            | S 4  |
| S 5  | 16 50 9  | 13°26'48 | 7 <b>8</b> 49  | 29°15          | 1°33          | 21°12         | 4°38          | 2° 7          | 24°44          | 17°44 | 26° 4 | 28°14  | 27°33          | 8°34           | 2°43            | S 5  |
| M 6  | 16 54 6  | 14°24'15 | 22°44          | 29° 8          | 2°41          | 21°49         | 4°38          | 2°13          | 24°42          | 17°46 | 26° 5 | 28°R14 | 27°30          | 8°41           | 2°43            | M 6  |
| T 7  | 16 58 3  | 15°21'41 | 7 <b>Ⅱ</b> 40  | 29°D 5         | 3°49          | 22°26         | 4°39          | 2°20          | 24°40          | 17°48 | 26° 6 | 28°14  | 27°27          | 8°47           | 2°R43           | T 7  |
| W 8  | 17 1 59  | 16°19'06 | 22°30          | 29° 7          | 4°56          | 23° 4         | 4°40          | 2°26          | 24°39          | 17°50 | 26° 8 | 28°13  | 27°24          | 8°54           | 2°43            | W 8  |
| T 9  | 17 5 56  | 17°16'30 | 7 <b>9</b> 5 6 | 29°14          | 6° 4          | 23°41         | 4°41          | 2°32          | 24°37          | 17°52 | 26° 9 | 28°11  | 27°21          | 9° 1           | 2°43            | T 9  |
| F 10 | 17 9 52  | 18°13'54 | 21°22          | 29°24          | 7°13          | 24°18         | 4°43          | 2°38          | 24°35          | 17°54 | 26°11 | 28° 9  | 27°18          | 9° 7           | 2°43            | F 10 |
| S 11 | 17 13 49 | 19°11'16 | 5 <b>Ω</b> 14  | 29°40          | 8°21          | 24°56         | 4°44          | 2°44          | 24°33          | 17°56 | 26°12 | 28° 6  | 27°14          | 9°14           | 2°43            | S 11 |
| S 12 | 17 17 45 | 20° 8'37 | 18°40          | 29°59          | 9°29          | 25°33         | 4°46          | 2°50          | 24°32          | 17°58 | 26°14 | 28° 3  | 27°11          | 9°21           | 2°42            | S 12 |
| M13  | 17 21 42 | 21° 5'58 | 1 <b>M</b> 40  | 0 <b>Ⅲ</b> 24  | 10°37         | 26°10         | 4°48          | 2°56          | 24°30          | 18° 0 | 26°15 | 28° 1  | 27° 8          | 9°27           | 2°42            | M13  |
| T 14 | 17 25 39 | 22° 3'17 | 14°18          | 0°53           | 11°46         | 26°48         | 4°50          | 3° 2          | 24°28          | 18° 2 | 26°16 | 28° 0  | 27° 5          | 9°34           | 2°42            | T 14 |
| W15  | 17 29 35 | 23° 0'35 | 26°37          | 1°26           | 12°54         | 27°25         | 4°52          | 3° 8          | 24°26          | 18° 4 | 26°18 | 28°D 0 | 27° 2          | 9°41           | 2°41            | W15  |
| T 16 | 17 33 32 | 23°57'53 | 8 <b>≏</b> 41  | 2° 3           | 14° 3         | 28° 2         | 4°55          | 3°14          | 24°24          | 18° 6 | 26°19 | 28° 1  | 26°58          | 9°47           | 2°41            | T 16 |
| F 17 | 17 37 28 | 24°55'09 | 20°35          | 2°45           | 15°12         | 28°40         | 4°57          | 3°19          | 24°22          | 18° 8 | 26°21 | 28° 2  | 26°55          | 9°54           | 2°40            | F 17 |
| S 18 | 17 41 25 | 25°52'25 | 2 <b>M</b> 24  | 3°31           | 16°21         | 29°17         | 5° 0          | 3°25          | 24°20          | 18°10 | 26°22 | 28° 4  | 26°52          | 10° 1          | 2°39            | S 18 |
| S 19 | 17 45 21 | 26°49'41 | 14°12          | 4°20           | 17°30         | 29°55         | 5° 3          | 3°31          | 24°18          | 18°12 | 26°24 | 28° 5  | 26°49          | 10° 7          | 2°39            | S 19 |
| M20  | 17 49 18 | 27°46'55 | 26° 3          | 5°14           | 18°39         | $0\Omega$ 32  | 5° 6          | 3°36          | 24°16          | 18°14 | 26°25 | 28°R 6 | 26°46          | 10°14          | 2°38            | M20  |
| T 21 | 17 53 14 | 28°44'09 | 8 <b>≯</b> 1   | 6°12           | 19°48         | 1° 9          | 5° 9          | 3°42          | 24°14          | 18°17 | 26°26 | 28° 6  | 26°43          | 10°20          | 2°37            | T 21 |
| W22  | 17 57 11 | 29°41'23 | 2 <u>0°</u> 9  | 7°13           | 20°57         | 1°47          | 5°13          | 3°47          | 24°12          | 18°19 | 26°28 | 28° 4  | 26°39          | 10°27          | 2°36            | W22  |
| T 23 | 18 1 8   | 0938'36  | 2 <b>පි</b> 28 | 8°18           | 22° 6         | 2°24          | 5°16          | 3°52          | 24°10          | 18°21 | 26°29 | 28° 0  | 26°36          | 10°34          | 2°35            | T 23 |
| F 24 | 18 5 4   | 1°35'48  | 14°59          | 9°27           | 23°15         | 3° 1          | 5°20          | 3°58          | 24° 7          | 18°23 | 26°31 | 27°56  | 26°33          | 10°40          | 2°34            | F 24 |
| S 25 | 18 9 1   | 2°33'01  | 27°43          | 10°40          | 24°25         | 3°39          | 5°24          | 4° 3          | 24° 5          | 18°25 | 26°32 | 27°50  | 26°30          | 10°47          | 2°33            | S 25 |
| S 26 | 18 12 57 | 3°30'13  | 10≈42          | 11°57          | 25°34         | 4°16          | 5°28          | 4° 8          | 24° 3          | 18°27 | 26°34 | 27°44  | 26°27          | 10°54          | 2°32            | S 26 |
| M27  | 18 16 54 | 4°27'25  | 23°53          | 13°17          | 26°44         | 4°54          | 5°32          | 4°13          | 24° 1          | 18°29 | 26°35 | 27°39  | 26°24          | 11° 0          | 2°31            | M27  |
| T 28 | 18 20 50 | 5°24'37  | 7 <b>∺</b> 18  | 14°40          | 27°54         | 5°31          | 5°37          | 4°18          | 23°59          | 18°32 | 26°36 | 27°35  | 26°20          | 11° 7          | 2°30            | T 28 |
| W29  | 18 24 47 | 6°21'49  | 20°57          | 16° 7          | 29° 3         | 6° 9          | 5°41          | 4°23          | 23°56          | 18°34 | 26°38 | 27°32  | 26°17          | 11°14          | 2°29            | W29  |
| T 30 | 18 28 43 | 7919'02  | <b>4</b> Υ48   | 17 <b>Ⅲ</b> 38 | 0 <b>П</b> 13 | 6 <b>Ω</b> 46 | 5 <b>≏</b> 46 | 4 <b>8</b> 28 | 23 <b>る</b> 54 | 18936 | 26∏39 | 27°D31 | 26814          | 11 <b>M</b> 20 | 2 <b>∺</b> 27   | T 30 |

Delta T = 11.66 sec

JULY 1910 00:00 UT

| Day          | Sid.t                | 0                           | D                      | φ                      | φ                      | ♂              | 4             | ħ             | )ұ(            | ¥              | В               | P.             | v              | ţ               | 0<br>پ        | Day          |
|--------------|----------------------|-----------------------------|------------------------|------------------------|------------------------|----------------|---------------|---------------|----------------|----------------|-----------------|----------------|----------------|-----------------|---------------|--------------|
| F 1          | 18 32 40             | 89516'14                    | 18 <b>Y</b> 51         | 19 <b>Ⅱ</b> 12         | 1 <b>Ⅱ</b> 23          | 7 <b>Ω</b> 23  | 5 <b>≙</b> 51 | 4 <b>8</b> 32 | 23°R52         | 18938          | 26∏41           | 27 <b>8</b> 32 | 26811          | 11 <b>M</b> 27  | 2°R26         | F 1          |
| S 2          | 18 36 37             | 9°13'26                     | 3 <b>8</b> 6           | 20°49                  | 2°33                   | 8° 1           | 5°56          | 4°37          | 23 <b>る</b> 50 | 18°40          | 26°42           | 27°33          | 26° 8          | 11°34           | 2 <b>∺</b> 25 | S 2          |
| S 3          | 18 40 33             | 10°10'39                    | 17°31                  | 22°30                  | 3°43                   | 8°38           | 6° 1          | 4°42          | 23°47          | 18°43          | 26°43           | 27°34          | 26° 4          | 11°40           | 2°23          | S 3          |
| M 4          | 18 44 30             | 11° 7'52                    | 2 <b>II</b> 3          | 24°14                  | 4°53                   | 9°16           | 6° 6          | 4°46          | 23°45          | 18°45          | 26°45           | 27°R34         | 26° 1          | 11°47           | 2°22          | M 4          |
| T 5          | 18 48 26             | 12° 5'06                    | 16°36                  | 26° 1                  | 6° 3                   | 9°53           | 6°12          | 4°50          | 23°43          | 18°47          | 26°46           | 27°33          | 25°58          | 11°54           | 2°20          | T 5          |
| W 6          | 18 52 23             | 13° 2'19                    | 195 7                  | 27°51                  | 7°13                   | 10°31          | 6°17          | 4°55          | 23°40          | 18°49          | 26°48           | 27°29          | 25°55          | 12° 0           | 2°19          | W 6          |
| T 7<br>F 8   | 18 56 19<br>19 0 16  | 13°59'33<br>14°56'47        | 15°28<br>29°35         | 29°43<br>1 <b>9</b> 39 | 8°24<br>9°34           | 11° 8<br>11°46 | 6°23<br>6°29  | 4°59<br>5° 3  | 23°38<br>23°36 | 18°52<br>18°54 | 26°49<br>26°50  | 27°24<br>27°17 | 25°52<br>25°49 | 12° 7<br>12°14  | 2°17<br>2°15  | T 7<br>F 8   |
| F 8          | 19 0 16              | 14°56'47<br>15°54'01        | $13\Omega 21$          | 3°37                   | 10°44                  | 11°46<br>12°23 | 6°29<br>6°35  | 5° 3          | 23°36<br>23°33 | 18°54<br>18°56 | 26°50<br>26°52  | 27°17<br>27° 9 | 25°49<br>25°45 | 12°14<br>12°20  | 2°13          | F 8          |
|              | -                    |                             |                        |                        |                        |                |               |               |                |                |                 |                |                |                 |               |              |
| S 10         | 19 8 9               | 16°51'14                    | 26°46                  | 5°38<br>7°40           | 11°55<br>13° 5         | 13° 1          | 6°41          | 5°11<br>5°15  | 23°31<br>23°28 | 18°58<br>19° 0 | 26°53           | 27° 1          | 25°42<br>25°39 | 12°27<br>12°34  | 2°12<br>2°10  | S 10         |
| M11<br>T 12  | 19 12 6<br>19 16 2   | 17°48'28<br>18°45'41        | 9 Mp 47<br>22°25       | 9°44                   | 13° 5<br>14°16         | 13°38<br>14°16 | 6°48<br>6°54  | 5°19          | 23°26          | 19° 0          | 26°55<br>26°56  | 26°54<br>26°49 | 25°36          | 12°34<br>12°40  | 2° 10         | M11<br>T 12  |
| W13          | 19 10 2              | 18 43 41<br>19°42'55        | 22 23<br>4 <b>Ω</b> 45 | 11°50                  | 15°27                  | 14°54          | 7° 1          | 5°23          | 23°24          | 19° 5          | 26°57           | 26°46          | 25°33          | 12°47           | 2° 6          | W13          |
| T 14         | 19 23 55             | 20°40'09                    | 16°49                  | 13°57                  | 16°37                  | 15°31          | 7° 7          | 5°27          | 23°21          | 19° 7          | 26°59           | 26°D45         | 25°30          | 12°53           | 2° 4          | T 14         |
| F 15         | 19 27 52             | 21°37'22                    | 28°43                  | 16° 5                  | 17°48                  | 16° 9          | 7°14          | 5°30          | 23°19          | 19° 9          | 27° 0           | 26°45          | 25°26          | 13° 0           | 2° 2          | F 15         |
| S 16         | 19 31 48             | 22°34'36                    | 10 <b>M</b> 32         | 18°13                  | 18°59                  | 16°46          | 7°21          | 5°34          | 23°16          | 19°12          | 27° 1           | 26°46          | 25°23          | 13° 7           | 2° 0          | S 16         |
| S 17         | 19 35 45             | 23°31'50                    | 22°22                  | 20°22                  | 20°10                  | 17°24          | 7°28          | 5°37          | 23°14          | 19°14          | 27° 2           | 26°R47         | 25°20          | 13°13           | 1°58          | S 17         |
| M18          | 19 39 41             | 24°29'04                    | 4 <b>₹</b> 16          | 22°30                  | 21°21                  | 18° 2          | 7°36          | 5°40          | 23°12          | 19°16          | 27° 4           | 26°46          | 25°17          | 13°20           | 1°56          | M18          |
| T 19         | 19 43 38             | 25°26'19                    | 16°20                  | 24°39                  | 22°32                  | 18°39          | 7°43          | 5°44          | 23° 9          | 19°18          | 27° 5           | 26°44          | 25°14          | 13°27           | 1°53          | T 19         |
| W20          | 19 47 35             | 26°23'33                    | 28°37                  | 26°46                  | 23°43                  | 19°17          | 7°51          | 5°47          | 23° 7          | 19°20          | 27° 6           | 26°40          | 25°10          | 13°33           | 1°51          | W20          |
| T 21         | 19 51 31<br>19 55 28 | 27°20'48                    | 11중 9                  | 28°53                  | 24°54<br>26° 5         | 19°54<br>20°32 | 7°58<br>8° 6  | 5°50          | 23° 4<br>23° 2 | 19°23<br>19°25 | 27° 8<br>27° 9  | 26°34          | 25° 7<br>25° 4 | 13°40<br>13°47  | 1°49<br>1°47  | T 21<br>F 22 |
| F 22<br>S 23 | 19 55 28             | 28°18'04<br>29°15'20        | 23°59<br>7 <b>≈</b> 4  | 10 0<br>3° 5           | 20° 5<br>27°16         | 20°32<br>21°10 | 8°14          | 5°53<br>5°56  | 23° 2          | 19°23          | 27° 10          | 26°25<br>26°15 | 25° 4<br>25° 1 | 13°47<br>13°53  | 1°47          | S 23         |
|              |                      |                             |                        |                        |                        | -              |               |               |                |                |                 |                |                |                 |               |              |
| S 24<br>M25  | 20 3 21<br>20 7 17   | 0 <b>Ω</b> 12'37<br>1° 9'54 | 20°26<br>4 <b>)</b> 1  | 5° 9<br>7°11           | 28°28<br>29°39         | 21°47<br>22°25 | 8°22<br>8°30  | 5°58<br>6° 1  | 22°57<br>22°55 | 19°29<br>19°31 | 27°11<br>27°13  | 26° 4<br>25°55 | 24°58<br>24°55 | 14° 0<br>14° 7  | 1°42<br>1°40  | S 24<br>M25  |
| T 26         | 20 / 1 / 20 11 14    | 2° 7'12                     | 17°46                  | 9°12                   | 29 39<br>0 <b>9</b> 51 | 22 23<br>23° 3 | 8°38          | 6° 4          | 22°52          | 19°34          | 27°14           | 25°46          | 24°51          | 14°13           | 1°37          | T 26         |
| W27          | 20 11 14             | 3° 4'31                     | 1γ40<br>1 <b>Υ</b> 40  | 11°12                  | 2° 2                   | 23°40          | 8°47          | 6° 6          | 22°50          | 19°36          | 27°15           | 25°40          | 24°48          | 14°20           | 1°35          | W27          |
| T 28         | 20 19 7              | 4° 1'51                     | 15°40                  | 13°10                  | 3°14                   | 24°18          | 8°55          | 6° 9          | 22°48          | 19°38          | 27°16           | 25°37          | 24°45          | 14°27           | 1°32          | T 28         |
| F 29         | 20 23 4              | 4°59'12                     | 29°44                  | 15° 6                  | 4°25                   | 24°56          | 9° 4          | 6°11          | 22°45          | 19°40          | 27°17           | 25°D36         | 24°42          | 14°33           | 1°30          | F 29         |
| S 30         | 20 27 0              | 5°56'35                     | 13 <b>8</b> 52         | 17° 1                  | 5°37                   | 25°34          | 9°12          | 6°13          | 22°43          | 19°42          | 27°19           | 25°36          | 24°39          | 14°40           | 1°27          | S 30         |
| S 31         | 20 30 57             | 6 <b>Ω</b> 53'58            | 28 <b>8</b> 2          | 18 <b>Ω</b> 55         | 69549                  | 26 <b>Ω</b> 11 | 9 <b>ჲ</b> 21 | 6 <b>8</b> 15 | 22 <b>ਰ</b> 41 | 199345         | 27 <b>II</b> 20 | 25°R36         | 24 <b>8</b> 36 | 14 <b>M</b> .46 | 1 <b>∺</b> 24 | S 31         |

Delta T = 11.77 sec

AUGUST 1910 00:00 UT

| Day         | Sid.t                | 0                            | D                       | φ               | φ              | ♂              | 4              | ħ             | Ж                       | ¥              | Р              | ß                       | ಬ              | Ç              | ķ                     | Day         |
|-------------|----------------------|------------------------------|-------------------------|-----------------|----------------|----------------|----------------|---------------|-------------------------|----------------|----------------|-------------------------|----------------|----------------|-----------------------|-------------|
| M 1         | 20 34 53             | 7 <b>Ω</b> 51'23             | 12 <b>Ⅱ</b> 12          | 20€46           | 899 0          | 26 <b>Ω</b> 49 | 9 <b>₾</b> 30  | 6817          | 22°R38                  | 199547         | 27 <b>Ⅲ</b> 21 | 25°R35                  | 24832          | 14M.53         | 1°R22                 | M 1         |
| T 2<br>W 3  | 20 38 50<br>20 42 46 | 8°48'48<br>9°46'15           | 26°22<br>10 <b>©</b> 27 | 22°36<br>24°25  | 9°12<br>10°24  | 27°27<br>28° 5 | 9°39<br>9°48   | 6°19<br>6°21  | 22 <b>る</b> 36<br>22°34 | 19°49<br>19°51 | 27°22<br>27°23 | 25 <b>8</b> 32<br>25°26 | 24°29<br>24°26 | 15° 0<br>15° 6 | 1 <b>∺</b> 19<br>1°16 | T 2<br>W 3  |
| T 4         | 20 42 46 20 46 43    | 9 40 13<br>10°43'43          | 108927<br>24°25         | 24°23           | 10°24          | 28°43          | 9°57           | 6°22          | 22°32                   | 19°53          | 27°24          | 25°18                   | 24°23          | 15°13          | 1°14                  | T 4         |
| F 5         | 20 50 40             | 11°41'12                     | 8 <b>Ω</b> 12           | 27°57           | 12°48          | 29°21          | 10° 7          | 6°24          | 22°29                   | 19°55          | 27°25          | 25° 7                   | 24°20          | 15°20          | 1°11                  | F 5         |
| S 6         | 20 54 36             | 12°38'42                     | 21°43                   | 29°40           | 14° 0          | 29°58          | 10°16          | 6°25          | 22°27                   | 19°57          | 27°26          | 24°55                   | 24°16          | 15°26          | 1° 8                  | S 6         |
| S 7         | 20 58 33             | 13°36'13                     | 4Mp 56                  | 1 <b>m</b> ) 22 | 15°12          | 0 <b>m</b> /36 | 10°25          | 6°27          | 22°25                   | 19°59          | 27°27          | 24°43                   | 24°13          | 15°33          | 1° 5                  | S 7         |
| M 8         | 21 2 29              | 14°33'45                     | 17°50                   | 3° 3            | 16°25          | 1°14           | 10°35          | 6°28          | 22°23                   | 20° 1          | 27°28          | 24°33                   | 24°10          | 15°40          | 1° 3                  | M 8         |
| T 9         | 21 6 26              | 15°31'17                     | 0 <u>₽</u> 25           | 4°41            | 17°37          | 1°52           | 10°45          | 6°29          | 22°21                   | 20° 3          | 27°29          | 24°24                   | 24° 7          | 15°46          | 1° 0                  | T 9         |
| W10<br>T 11 | 21 10 22<br>21 14 19 | 16°28'51<br>17°26'25         | 12°42<br>24°45          | 6°19<br>7°54    | 18°49<br>20° 1 | 2°30<br>3° 8   | 10°55<br>11° 4 | 6°30<br>6°31  | 22°18<br>22°16          | 20° 6<br>20° 8 | 27°30<br>27°31 | 24°17<br>24°14          | 24° 4<br>24° 1 | 15°53<br>16° 0 | 0°57<br>0°54          | W10<br>T 11 |
| F 12        | 21 14 19             | 18°24'00                     | 6ML38                   | 9°28            | 21°14          | 3°46           | 11°14          | 6°32          | 22°14                   | 20°10          | 27°32          | 24°12                   | 23°57          | 16° 6          | 0°51                  | F 12        |
| S 13        | 21 22 12             | 19°21'37                     | 18°27                   | 11° 1           | 22°26          | 4°24           | 11°24          | 6°33          | 22°12                   | 20°12          | 27°33          | 24°11                   | 23°54          | 16°13          | 0°48                  | S 13        |
| S 14        | 21 26 8              | 20°19'14                     | 0 <b>∡</b> 17           | 12°32           | 23°39          | 5° 2           | 11°35          | 6°33          | 22°10                   | 20°14          | 27°34          | 24°11                   | 23°51          | 16°20          | 0°45                  | S 14        |
| M15         | 21 30 5              | 21°16'52                     | 12°12                   | 14° 1           | 24°51          | 5°40           | 11°45          | 6°34          | 22° 8                   | 20°16          | 27°35          | 24°11                   | 23°48          | 16°26          | 0°43                  | M15         |
| T 16        | 21 34 2              | 22°14'32                     | 24°19                   | 15°29           | 26° 4          | 6°18           | 11°55          | 6°34          | 22° 6                   | 20°18          | 27°36          | 24° 8                   | 23°45          | 16°33          | 0°40                  | T 16        |
| W17<br>T 18 | 21 37 58<br>21 41 55 | 23°12'12<br>24° 9'54         | 6 <b>る</b> 42<br>19°24  | 16°55<br>18°20  | 27°17<br>28°29 | 6°56<br>7°34   | 12° 6<br>12°16 | 6°35<br>6°35  | 22° 4<br>22° 2          | 20°19<br>20°21 | 27°37<br>27°38 | 24° 3<br>23°56          | 23°42<br>23°38 | 16°39<br>16°46 | 0°37<br>0°34          | W17<br>T 18 |
| F 19        | 21 41 33             | 24 934<br>25° 7'36           | 19 24<br>2 <b>≈</b> 28  | 18 20<br>19°43  | 28 29<br>29°42 | 8°12           | 12°16          | 6°35          | 22° 0                   | 20°23          | 27°39          | 23°46                   | 23°35          | 16°53          | 0°31                  | F 19        |
| S 20        | 21 49 48             | 26° 5'20                     | 15°53                   | 21° 4           | 0 <b>Ω</b> 55  | 8°50           | 12°37          | 6°R35         | 21°58                   | 20°25          | 27°40          | 23°34                   | 23°32          | 16°59          | 0°28                  | S 20        |
| S 21        | 21 53 44             | 27° 3'05                     | 29°37                   | 22°23           | 2° 8           | 9°28           | 12°48          | 6°35          | 21°57                   | 20°27          | 27°41          | 23°22                   | 23°29          | 17° 6          | 0°25                  | S 21        |
| M22         | 21 57 41             | 28° 0'52                     | 13 <b>米</b> 37          | 23°41           | 3°21           | 10° 7          | 12°59          | 6°35          | 21°55                   | 20°29          | 27°41          | 23°10                   | 23°26          | 17°13          | 0°22                  | M22         |
| T 23        | 22 1 37              | 28°58'40                     | 27°48                   | 24°57           | 4°34           | 10°45          | 13°10          | 6°34          | 21°53                   | 20°31          | 27°42          | 23° 1                   | 23°22          | 17°19          | 0°19                  | T 23        |
| W24<br>T 25 | 22 5 34<br>22 9 31   | 29°56'30<br>0 <b>m</b> 54'21 | 12 <b>Υ</b> 6<br>26°24  | 26°11<br>27°23  | 5°47<br>7° 0   | 11°23<br>12° 1 | 13°21<br>13°32 | 6°34<br>6°33  | 21°51<br>21°50          | 20°33<br>20°34 | 27°43<br>27°44 | 22°54<br>22°49          | 23°19<br>23°16 | 17°26<br>17°33 | 0°16<br>0°13          | W24<br>T 25 |
| F 26        | 22 9 31 22 13 27     | 1°52'14                      | 10841                   | 28°33           | 8°13           | 12°39          | 13°43          | 6°33          | 21°48                   | 20°36          | 27°44          | 22°48                   | 23°13          | 17°39          | 0°10                  | F 26        |
| S 27        | 22 17 24             | 2°50'09                      | 24°52                   | 29°41           | 9°26           | 13°18          | 13°54          | 6°32          | 21°46                   | 20°38          | 27°45          | 22°47                   | 23°10          | 17°46          | 0° 7                  | S 27        |
| S 28        | 22 21 20             | 3°48'06                      | 8 <b>Ⅱ</b> 57           | 0 <b>≙</b> 47   | 10°39          | 13°56          | 14° 5          | 6°31          | 21°45                   | 20°40          | 27°46          | 22°47                   | 23° 7          | 17°53          | 0° 4                  | S 28        |
| M29         | 22 25 17             | 4°46'05                      | 22°56                   | 1°51            | 11°52          | 14°34          | 14°17          | 6°30          | 21°43                   | 20°41          | 27°46          | 22°46                   | 23° 3          | 17°59          | 0° 1                  | M29         |
| T 30        | 22 29 13             | 5°44'06                      | 69947                   | 2°52            | 13° 6          | 15°12          | 14°28          | 6°29          | 21°42                   | 20°43          | 27°47          | 22°43                   | 23° 0          | 18° 6          | 29 <b>≈</b> 58        | T 30        |
| W31         | 22 33 10             | 6Mp42'08                     | 20929                   | 3 <b>ჲ</b> 50   | 14 <b>Ω</b> 19 | 15 <b>M</b> 51 | 14 <b>≏</b> 39 | 6 <b>8</b> 28 | 21 <b>궁</b> 40          | 209945         | 27 <b>Ⅱ</b> 48 | 22 <b>8</b> 38          | 22857          | 18 <b>M</b> 12 | 29≈55                 | W31         |

Delta T = 11.88 sec

SEPTEMBER 1910 00:00 UT

| Day  | Sid.t    | 0                | D                 | ğ              | φ              | ď              | 4              | ħ             | )∤(            | <del>\f</del> | В               | ß      | v              | Ç               | ę,     | Day  |
|------|----------|------------------|-------------------|----------------|----------------|----------------|----------------|---------------|----------------|---------------|-----------------|--------|----------------|-----------------|--------|------|
| T 1  | 22 37 7  | 7 <b>m</b> 40'13 | 4 <b>\Omega</b> 3 | 4 <b>Ω</b> 46  | 15 <b>Ω</b> 32 | 16 <b>M</b> 29 | 14 <b>♀</b> 51 | 6°R27         | 21°R39         | 209546        | 27∏48           | 22°R29 | 22 <b>8</b> 54 | 18 <b>M</b> .19 | 29°R52 | T 1  |
| F 2  | 22 41 3  | 8°38'19          | 17°25             | 5°39           | 16°46          | 17° 7          | 15° 2          | 6 <b>8</b> 25 | 21 <b>る</b> 37 | 20°48         | 27°49           | 22818  | 22°51          | 18°26           | 29≈50  | F 2  |
| S 3  | 22 45 0  | 9°36'27          | 0 <b>m</b> 35     | 6°29           | 17°59          | 17°46          | 15°14          | 6°24          | 21°36          | 20°50         | 27°50           | 22° 7  | 22°48          | 18°32           | 29°47  | S 3  |
| S 4  | 22 48 56 | 10°34'37         | 13°30             | 7°16           | 19°13          | 18°24          | 15°26          | 6°22          | 21°35          | 20°51         | 27°50           | 21°54  | 22°44          | 18°39           | 29°44  | S 4  |
| M 5  | 22 52 53 | 11°32'48         | 26°10             | 7°59           | 20°27          | 19° 3          | 15°37          | 6°21          | 21°33          | 20°53         | 27°51           | 21°43  | 22°41          | 18°46           | 29°41  | M 5  |
| T 6  | 22 56 49 | 12°31'01         | 8 <b>≏</b> 34     | 8°38           | 21°40          | 19°41          | 15°49          | 6°19          | 21°32          | 20°54         | 27°51           | 21°34  | 22°38          | 18°52           | 29°38  | T 6  |
| W 7  | 23 0 46  | 13°29'15         | 20°45             | 9°14           | 22°54          | 20°20          | 16° 1          | 6°17          | 21°31          | 20°56         | 27°52           | 21°27  | 22°35          | 18°59           | 29°35  | W 7  |
| T 8  | 23 4 42  | 14°27'32         | 2 <b>M</b> 45     | 9°45           | 24° 8          | 20°58          | 16°13          | 6°15          | 21°30          | 20°57         | 27°52           | 21°23  | 22°32          | 19° 6           | 29°32  | T 8  |
| F 9  | 23 8 39  | 15°25'50         | 14°36             | 10°12          | 25°21          | 21°37          | 16°25          | 6°13          | 21°29          | 20°59         | 27°53           | 21°22  | 22°28          | 19°12           | 29°29  | F 9  |
| S 10 | 23 12 35 | 16°24'09         | 26°23             | 10°33          | 26°35          | 22°15          | 16°37          | 6°11          | 21°28          | 21° 0         | 27°53           | 21°D22 | 22°25          | 19°19           | 29°27  | S 10 |
| S 11 | 23 16 32 | 17°22'30         | 8 <b>√</b> 11     | 10°50          | 27°49          | 22°54          | 16°49          | 6° 9          | 21°27          | 21° 2         | 27°53           | 21°22  | 22°22          | 19°26           | 29°24  | S 11 |
| M12  | 23 20 29 | 18°20'53         | 20° 6             | 11° 1          | 29° 3          | 23°32          | 17° 1          | 6° 6          | 21°26          | 21° 3         | 27°54           | 21°R22 | 22°19          | 19°32           | 29°21  | M12  |
| T 13 | 23 24 25 | 19°19'17         | 2 <b>る</b> 13     | 11°R 6         | 0Mp17          | 24°11          | 17°13          | 6° 4          | 21°25          | 21° 4         | 27°54           | 21°21  | 22°16          | 19°39           | 29°18  | T 13 |
| W14  | 23 28 22 | 20°17'43         | 14°37             | 11° 6          | 1°31           | 24°50          | 17°26          | 6° 1          | 21°24          | 21° 6         | 27°54           | 21°19  | 22°13          | 19°46           | 29°16  | W14  |
| T 15 | 23 32 18 | 21°16'10         | 27°22             | 10°58          | 2°45           | 25°28          | 17°38          | 5°59          | 21°23          | 21° 7         | 27°55           | 21°14  | 22° 9          | 19°52           | 29°13  | T 15 |
| F 16 | 23 36 15 | 22°14'39         | 10≈31             | 10°44          | 3°59           | 26° 7          | 17°50          | 5°56          | 21°22          | 21° 8         | 27°55           | 21° 6  | 22° 6          | 19°59           | 29°10  | F 16 |
| S 17 | 23 40 11 | 23°13'10         | 24° 6             | 10°23          | 5°13           | 26°46          | 18° 3          | 5°53          | 21°21          | 21°10         | 27°55           | 20°58  | 22° 3          | 20° 5           | 29° 8  | S 17 |
| S 18 | 23 44 8  | 24°11'43         | 8 <b>)</b> 5      | 9°55           | 6°27           | 27°24          | 18°15          | 5°50          | 21°21          | 21°11         | 27°56           | 20°48  | 22° 0          | 20°12           | 29° 5  | S 18 |
| M19  | 23 48 4  | 25°10'17         | 22°26             | 9°20           | 7°41           | 28° 3          | 18°27          | 5°47          | 21°20          | 21°12         | 27°56           | 20°39  | 21°57          | 20°19           | 29° 3  | M19  |
| T 20 | 23 52 1  | 26° 8'53         | 7 <b>℃</b> 1      | 8°39           | 8°56           | 28°42          | 18°40          | 5°44          | 21°20          | 21°13         | 27°56           | 20°32  | 21°53          | 20°25           | 29° 0  | T 20 |
| W21  | 23 55 58 | 27° 7'31         | 21°43             | 7°51           | 10°10          | 29°21          | 18°52          | 5°41          | 21°19          | 21°14         | 27°56           | 20°27  | 21°50          | 20°32           | 28°58  | W21  |
| T 22 | 23 59 54 | 28° 6'11         | 6 <b>8</b> 27     | 6°57           | 11°24          | 29°59          | 19° 5          | 5°38          | 21°18          | 21°16         | 27°56           | 20°24  | 21°47          | 20°39           | 28°55  | T 22 |
| F 23 | 0 3 51   | 29° 4'54         | 21° 4             | 5°58           | 12°38          | ე <u>თ</u> 38  | 19°17          | 5°35          | 21°18          | 21°17         | 27°57           | 20°D23 | 21°44          | 20°45           | 28°53  | F 23 |
| S 24 | 0 7 47   | 0 <b>호</b> 3'39  | 5 <b>Ⅱ</b> 30     | 4°56           | 13°53          | 1°17           | 19°30          | 5°31          | 21°18          | 21°18         | 27°57           | 20°24  | 21°41          | 20°52           | 28°50  | S 24 |
| S 25 | 0 11 44  | 1° 2'26          | 19°43             | 3°50           | 15° 7          | 1°56           | 19°43          | 5°28          | 21°17          | 21°19         | 27°57           | 20°25  | 21°38          | 20°59           | 28°48  | S 25 |
| M26  | 0 15 40  | 2° 1'15          | 39541             | 2°44           | 16°22          | 2°35           | 19°55          | 5°24          | 21°17          | 21°20         | 27°57           | 20°R25 | 21°34          | 21° 5           | 28°46  | M26  |
| T 27 | 0 19 37  | 3° 0'07          | 17°24             | 1°38           | 17°36          | 3°14           | 20° 8          | 5°21          | 21°17          | 21°21         | 27°57           | 20°24  | 21°31          | 21°12           | 28°43  | T 27 |
| W28  | 0 23 33  | 3°59'01          | 0 <b>Ω</b> 52     | 0°34           | 18°51          | 3°53           | 20°21          | 5°17          | 21°16          | 21°22         | 27°57           | 20°21  | 21°28          | 21°19           | 28°41  | W28  |
| T 29 | 0 27 30  | 4°57'57          | 14° 6             | 29 <b>m</b> 34 | 20° 5          | 4°32           | 20°33          | 5°13          | 21°16          | 21°22         | 27°R57          | 20°16  | 21°25          | 21°25           | 28°39  | T 29 |
| F 30 | 0 31 27  | 5 <b>≙</b> 56'56 | $27\Omega$ 7      | 28 <b>m</b> 40 | 21 Mp 20       | 5 <b>≙</b> 11  | 20 <b>≏</b> 46 | <b>5</b> 9    | 21 <b>궁</b> 16 | 219523        | 27 <b>II</b> 57 | 208 9  | 21822          | 21 <b>m</b> 32  | 28≈37  | F 30 |

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OCTOBER 1910 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ              | φ              | ♂              | 4              | ħ             | )∤(            | ¥      | Р               | r              | Ω              | Ç              | ď      | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|--------|-----------------|----------------|----------------|----------------|--------|------|
| S 1  | 0 35 23 | 6 <b>₽</b> 55'56 | 9 <b>m</b> 55  | 27°R52         | 22 <b>m</b> 34 | 5 <b>≙</b> 50  | 20 <b>≏</b> 59 | 5°R 5         | 21°R16         | 219524 | 27°R57          | 20°R 2         | 21 <b>8</b> 19 | 21 <b>M</b> 38 | 28°R34 | S 1  |
| S 2  | 0 39 20 | 7°54'59          | 22°30          | 27 m/13        | 23°49          | 6°30           | 21°12          | 5 <b>8</b> 2  | 21°D16         | 21°25  | 27 <b>II</b> 57 | 19854          | 21°15          | 21°45          | 28≈32  | S 2  |
| M 3  | 0 43 16 | 8°54'04          | 4 <b>₽</b> 54  | 26°43          | 25° 4          | 7° 9           | 21°25          | 4°57          | 21 <b>궁</b> 16 | 21°26  | 27°57           | 19°47          | 21°12          | 21°52          | 28°30  | M 3  |
| T 4  | 0 47 13 | 9°53'11          | 17° 6          | 26°23          | 26°18          | 7°48           | 21°38          | 4°53          | 21°16          | 21°26  | 27°57           | 19°41          | 21° 9          | 21°58          | 28°28  | T 4  |
| W 5  | 0 51 9  | 10°52'20         | 29° 8          | 26°D14         | 27°33          | 8°27           | 21°51          | 4°49          | 21°16          | 21°27  | 27°56           | 19°37          | 21° 6          | 22° 5          | 28°26  | W 5  |
| T 6  | 0 55 6  | 11°51'31         | 11 <b>m</b> 2  | 26°15          | 28°48          | 9° 6           | 22° 4          | 4°45          | 21°17          | 21°28  | 27°56           | 19°35          | 21° 3          | 22°12          | 28°24  | T 6  |
| F 7  | 0 59 2  | 12°50'44         | 22°50          | 26°27          | 0 <b>₾</b> 3   | 9°46           | 22°16          | 4°41          | 21°17          | 21°29  | 27°56           | 19°D35         | 20°59          | 22°18          | 28°23  | F 7  |
| S 8  | 1 2 59  | 13°49'58         | 4 <b>₹</b> 36  | 26°49          | 1°17           | 10°25          | 22°29          | 4°36          | 21°17          | 21°29  | 27°56           | 19°35          | 20°56          | 22°25          | 28°21  | S 8  |
| S 9  | 1 6 56  | 14°49'15         | 16°24          | 27°21          | 2°32           | 11° 4          | 22°42          | 4°32          | 21°18          | 21°30  | 27°56           | 19°37          | 20°53          | 22°32          | 28°19  | S 9  |
| M10  | 1 10 52 | 15°48'33         | 28°17          | 28° 2          | 3°47           | 11°43          | 22°55          | 4°28          | 21°18          | 21°30  | 27°56           | 19°39          | 20°50          | 22°38          | 28°17  | M10  |
| T 11 | 1 14 49 | 16°47'54         | 10 <b>궁</b> 22 | 28°51          | 5° 2           | 12°23          | 23° 8          | 4°23          | 21°18          | 21°31  | 27°55           | 19°40          | 20°47          | 22°45          | 28°16  | T 11 |
| W12  | 1 18 45 | 17°47'16         | 22°43          | 29°48          | 6°17           | 13° 2          | 23°21          | 4°19          | 21°19          | 21°31  | 27°55           | 19°R40         | 20°44          | 22°52          | 28°14  | W12  |
| T 13 | 1 22 42 | 18°46'40         | 5≈25           | 0 <b>ჲ</b> 52  | 7°32           | 13°42          | 23°34          | 4°14          | 21°19          | 21°32  | 27°55           | 19°39          | 20°40          | 22°58          | 28°12  | T 13 |
| F 14 | 1 26 38 | 19°46'05         | 18°31          | 2° 3           | 8°47           | 14°21          | 23°47          | 4°10          | 21°20          | 21°32  | 27°54           | 19°36          | 20°37          | 23° 5          | 28°11  | F 14 |
| S 15 | 1 30 35 | 20°45'32         | 2 <b>米</b> 5   | 3°19           | 10° 2          | 15° 1          | 24° 0          | 4° 5          | 21°21          | 21°33  | 27°54           | 19°33          | 20°34          | 23°11          | 28°10  | S 15 |
| S 16 | 1 34 31 | 21°45'01         | 16° 6          | 4°39           | 11°17          | 15°40          | 24°14          | 4° 0          | 21°21          | 21°33  | 27°54           | 19°29          | 20°31          | 23°18          | 28° 8  | S 16 |
| M17  | 1 38 28 | 22°44'32         | 0 <b>Υ</b> 33  | 6° 4           | 12°32          | 16°20          | 24°27          | 3°56          | 21°22          | 21°33  | 27°53           | 19°25          | 20°28          | 23°25          | 28° 7  | M17  |
| T 18 | 1 42 24 | 23°44'05         | 15°20          | 7°32           | 13°47          | 16°59          | 24°40          | 3°51          | 21°23          | 21°33  | 27°53           | 19°21          | 20°24          | 23°31          | 28° 5  | T 18 |
| W19  | 1 46 21 | 24°43'40         | 0821           | 9° 2           | 15° 2          | 17°39          | 24°53          | 3°46          | 21°24          | 21°34  | 27°52           | 19°19          | 20°21          | 23°38          | 28° 4  | W19  |
| T 20 | 1 50 18 | 25°43'16         | 15°26          | 10°36          | 16°17          | 18°18          | 25° 6          | 3°42          | 21°25          | 21°34  | 27°52           | 19°D18         | 20°18          | 23°45          | 28° 3  | T 20 |
| F 21 | 1 54 14 | 26°42'56         | 0∏26           | 12°11          | 17°32          | 18°58          | 25°19          | 3°37          | 21°26          | 21°34  | 27°51           | 19°18          | 20°15          | 23°51          | 28° 2  | F 21 |
| S 22 | 1 58 11 | 27°42'37         | 15°14          | 13°47          | 18°47          | 19°38          | 25°32          | 3°32          | 21°27          | 21°34  | 27°51           | 19°19          | 20°12          | 23°58          | 28° 1  | S 22 |
| S 23 | 2 2 7   | 28°42'20         | 29°44          | 15°25          | 20° 2          | 20°17          | 25°45          | 3°27          | 21°28          | 21°34  | 27°50           | 19°21          | 20° 9          | 24° 5          | 28° 0  | S 23 |
| M24  | 2 6 4   | 29°42'06         | 13953          | 17° 4          | 21°17          | 20°57          | 25°58          | 3°23          | 21°29          | 21°34  | 27°50           | 19°22          | 20° 5          | 24°11          | 27°59  | M24  |
| T 25 | 2 10 0  | 0 <b>M</b> 41'54 | 27°40          | 18°43          | 22°32          | 21°37          | 26°11          | 3°18          | 21°30          | 21°34  | 27°49           | 19°R23         | 20° 2          | 24°18          | 27°58  | T 25 |
| W26  | 2 13 57 | 1°41'44          | $11\Omega$ 5   | 20°23          | 23°47          | 22°17          | 26°24          | 3°13          | 21°31          | 21°R34 | 27°49           | 19°22          | 19°59          | 24°25          | 27°57  | W26  |
| T 27 | 2 17 54 | 2°41'37          | 24°10          | 22° 3          | 25° 3          | 22°57          | 26°37          | 3° 8          | 21°33          | 21°34  | 27°48           | 19°21          | 19°56          | 24°31          | 27°56  | T 27 |
| F 28 | 2 21 50 | 3°41'31          | 6 m 57         | 23°44          | 26°18          | 23°37          | 26°50          | 3° 3          | 21°34          | 21°34  | 27°48           | 19°20          | 19°53          | 24°38          | 27°56  | F 28 |
| S 29 | 2 25 47 | 4°41'28          | 19°28          | 25°24          | 27°33          | 24°17          | 27° 3          | 2°58          | 21°35          | 21°34  | 27°47           | 19°17          | 19°50          | 24°44          | 27°55  | S 29 |
| S 30 | 2 29 43 | 5°41'27          | 1 <b>≙</b> 47  | 27° 4          | 28°48          | 24°57          | 27°16          | 2°54          | 21°37          | 21°34  | 27°46           | 19°15          | 19°46          | 24°51          | 27°54  | S 30 |
| M31  | 2 33 40 | 6M41'28          | 13 <b>≏</b> 56 | 28 <b>≏</b> 44 | OM 3           | 25 <b>≏</b> 36 | 27 <b>≏</b> 29 | 2 <b>8</b> 49 | 21 <b>る</b> 38 | 219534 | 27 <b>Ⅱ</b> 46  | 19 <b>8</b> 13 | 19 <b>8</b> 43 | 24 <b>M</b> 58 | 27≈54  | M31  |

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NOVEMBER 1910 00:00 UT

| Day  | Sid.t   | 0                | D               | ğ               | φ              | ð               | 4              | ħ             | )ұ(            | 卉      | В              | ß              | v             | Ç               | ę,            | Day  |
|------|---------|------------------|-----------------|-----------------|----------------|-----------------|----------------|---------------|----------------|--------|----------------|----------------|---------------|-----------------|---------------|------|
| T 1  | 2 37 36 | 7 <b>M</b> 41'31 | 25 <b>≙</b> 56  | 0 <b>M</b> 24   | 1 <b>M</b> .19 | 26 <b>₽</b> 17  | 27 <b>≙</b> 42 | 2°R44         | 21 <b>궁</b> 40 | 21°R34 | 27°R45         | 19°R12         | 19840         | 25M 4           | 27°R53        | T 1  |
| W 2  | 2 41 33 | 8°41'35          | 7 <b>M</b> .49  | 2° 4            | 2°34           | 26°57           | 27°55          | 2 <b>8</b> 39 | 21°41          | 21934  | 27 <b>Ⅱ</b> 44 | 19 <b>8</b> 11 | 19°37         | 25°11           | 27≈53         | W 2  |
| T 3  | 2 45 29 | 9°41'42          | 19°38           | 3°43            | 3°49           | 27°37           | 28° 8          | 2°34          | 21°43          | 21°33  | 27°43          | 19°D11         | 19°34         | 25°18           | 27°52         | T 3  |
| F 4  | 2 49 26 | 10°41'51         | 1 <b>₹</b> 25   | 5°23            | 5° 5           | 28°17           | 28°21          | 2°30          | 21°44          | 21°33  | 27°43          | 19°11          | 19°30         | 25°24           | 27°52         | F 4  |
| S 5  | 2 53 22 | 11°42'01         | 13°12           | 7° 1            | 6°20           | 28°57           | 28°34          | 2°25          | 21°46          | 21°33  | 27°42          | 19°12          | 19°27         | 25°31           | 27°52         | S 5  |
| S 6  | 2 57 19 | 12°42'13         | 25° 2           | 8°40            | 7°35           | 29°37           | 28°47          | 2°20          | 21°48          | 21°32  | 27°41          | 19°12          | 19°24         | 25°38           | 27°52         | S 6  |
| M 7  | 3 1 16  | 13°42'27         | 6 <b>පි</b> 58  | 10°18           | 8°51           | 0 <b>M</b> 17   | 29° 0          | 2°15          | 21°50          | 21°32  | 27°40          | 19°13          | 19°21         | 25°44           | 27°51         | M 7  |
| T 8  | 3 5 12  | 14°42'42         | 19° 4           | 11°55           | 10° 6          | 0°58            | 29°13          | 2°11          | 21°51          | 21°31  | 27°40          | 19°14          | 19°18         | 25°51           | 27°51         | T 8  |
| W 9  | 3 9 9   | 15°42'59         | 1≈24            | 13°33           | 11°21          | 1°38            | 29°25          | 2° 6          | 21°53          | 21°31  | 27°39          | 19°14          | 19°15         | 25°58           | 27°D51        | W 9  |
| T 10 | 3 13 5  | 16°43'17         | 14° 1           | 15°10           | 12°37          | 2°18            | 29°38          | 2° 2          | 21°55          | 21°30  | 27°38          | 19°R14         | 19°11         | 26° 4           | 27°51         | T 10 |
| F 11 | 3 17 2  | 17°43'36         | 27° 0           | 16°46           | 13°52          | 2°59            | 29°51          | 1°57          | 21°57          | 21°30  | 27°37          | 19°14          | 19° 8         | 26°11           | 27°52         | F 11 |
| S 12 | 3 20 58 | 18°43'57         | 10 <b>∺</b> 25  | 18°22           | 15° 7          | 3°39            | OM 4           | 1°52          | 21°59          | 21°29  | 27°36          | 19°D14         | 19° 5         | 26°18           | 27°52         | S 12 |
| S 13 | 3 24 55 | 19°44'19         | 24°16           | 19°58           | 16°23          | 4°19            | 0°16           | 1°48          | 22° 1          | 21°29  | 27°35          | 19°14          | 19° 2         | 26°24           | 27°52         | S 13 |
| M14  | 3 28 51 | 20°44'43         | 8 <b>Ƴ</b> 34   | 21°34           | 17°38          | 5° 0            | 0°29           | 1°44          | 22° 3          | 21°28  | 27°34          | 19°14          | 18°59         | 26°31           | 27°52         | M14  |
| T 15 | 3 32 48 | 21°45'08         | 23°17           | 23° 9           | 18°53          | 5°40            | 0°42           | 1°39          | 22° 5          | 21°28  | 27°33          | 19°14          | 18°56         | 26°37           | 27°53         | T 15 |
| W16  | 3 36 45 | 22°45'35         | 8 <b>8</b> 19   | 24°44           | 20° 9          | 6°21            | 0°54           | 1°35          | 22° 8          | 21°27  | 27°33          | 19°14          | 18°52         | 26°44           | 27°53         | W16  |
| T 17 | 3 40 41 | 23°46'03         | 23°31           | 26°19           | 21°24          | 7° 1            | 1° 7           | 1°31          | 22°10          | 21°26  | 27°32          | 19°R14         | 18°49         | 26°51           | 27°54         | T 17 |
| F 18 | 3 44 38 | 24°46'32         | 8 <b>Ⅱ</b> 46   | 27°54           | 22°40          | 7°42            | 1°19           | 1°26          | 22°12          | 21°25  | 27°31          | 19°14          | 18°46         | 26°57           | 27°54         | F 18 |
| S 19 | 3 48 34 | 25°47'04         | 23°51           | 29°28           | 23°55          | 8°22            | 1°32           | 1°22          | 22°14          | 21°25  | 27°30          | 19°14          | 18°43         | 27° 4           | 27°55         | S 19 |
| S 20 | 3 52 31 | 26°47'37         | 89640           | 1 <b>√</b> 2    | 25°10          | 9° 3            | 1°44           | 1°18          | 22°17          | 21°24  | 27°29          | 19°13          | 18°40         | 27°11           | 27°55         | S 20 |
| M21  | 3 56 27 | 27°48'12         | 23° 6           | 2°36            | 26°26          | 9°44            | 1°57           | 1°14          | 22°19          | 21°23  | 27°28          | 19°12          | 18°36         | 27°17           | 27°56         | M21  |
| T 22 | 4 0 24  | 28°48'48         | $7\Omega$ 5     | 4° 9            | 27°41          | 10°24           | 2° 9           | 1°10          | 22°22          | 21°22  | 27°27          | 19°11          | 18°33         | 27°24           | 27°57         | T 22 |
| W23  | 4 4 21  | 29°49'26         | 20°37           | 5°43            | 28°57          | 11° 5           | 2°22           | 1° 6          | 22°24          | 21°21  | 27°26          | 19°10          | 18°30         | 27°31           | 27°58         | W23  |
| T 24 | 4 8 17  | 0 <b>₮</b> 50'06 | 3 <b>M</b> 43   | 7°16            | 0 <b>∡</b> 12  | 11°46           | 2°34           | 1° 2          | 22°26          | 21°20  | 27°25          | 19°D10         | 18°27         | 27°37           | 27°59         | T 24 |
| F 25 | 4 12 14 | 1°50'47          | 16°26           | 8°50            | 1°28           | 12°27           | 2°46           | 0°58          | 22°29          | 21°19  | 27°24          | 19°11          | 18°24         | 27°44           | 28° 0         | F 25 |
| S 26 | 4 16 10 | 2°51'30          | 28°50           | 10°23           | 2°43           | 13° 8           | 2°58           | 0°55          | 22°32          | 21°18  | 27°22          | 19°12          | 18°21         | 27°51           | 28° 1         | S 26 |
| S 27 | 4 20 7  | 3°52'15          | 10 <b>≏</b> 59  | 11°56           | 3°58           | 13°49           | 3°10           | 0°51          | 22°34          | 21°17  | 27°21          | 19°13          | 18°17         | 27°57           | 28° 2         | S 27 |
| M28  | 4 24 3  | 4°53'01          | 22°58           | 13°29           | 5°14           | 14°30           | 3°22           | 0°47          | 22°37          | 21°16  | 27°20          | 19°14          | 18°14         | 28° 4           | 28° 3         | M28  |
| T 29 | 4 28 0  | 5°53'48          | 4 <b>M</b> .50  | 15° 1           | 6°29           | 15°10           | 3°35           | 0°44          | 2 <u>2</u> °39 | 21°15  | 27°19          | 19°16          | 18°11         | 28°11           | 28° 4         | T 29 |
| W30  | 4 31 56 | 6 <b>₮</b> 54'37 | 16 <b>M</b> .38 | 16 <b>∡</b> ³34 | 7 <b>.₹</b> 45 | 15 <b>M</b> .51 | 3 <b>M</b> .47 | 0 <b>8</b> 41 | 22 <b>る</b> 42 | 219514 | 27 <b>I</b> 18 | 19°R16         | 18 <b>8</b> 8 | 28 <b>M</b> .17 | 28 <b>≈</b> 5 | W30  |

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| Day  | Sid.t   | $\odot$           | ))             | φ              | φ               | ď              | 4              | ħ              | )ұ(            | ¥      | P .    | n              | Ω             | Ç              | δ     | Day  |
|------|---------|-------------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|--------|--------|----------------|---------------|----------------|-------|------|
| T 1  | 4 35 53 | 7 <b>₹</b> 755'28 | 28 <b>M</b> 24 | 18 <b>∡</b> 6  | 9 <b>∡</b> 7 0  | 16 <b>M</b> 33 | 3 <b>M</b> .58 | 0°R37          | 22 <b>궁</b> 45 | 21°R13 | 27°R17 | 19°R16         | 18 <b>8</b> 5 | 28M24          | 28≈ 7 | T 1  |
| F 2  | 4 39 50 | 8°56'19           | 10 <b>才</b> 13 | 19°39          | 10°16           | 17°14          | 4°10           | 0 <b>8</b> 34  | 22°48          | 219512 | 27∐16  | 19 <b>8</b> 15 | 18° 2         | 28°30          | 28° 8 | F 2  |
| S 3  | 4 43 46 | 9°57'12           | 22° 4          | 21°11          | 11°31           | 17°55          | 4°22           | 0°31           | 22°50          | 21°11  | 27°15  | 19°12          | 17°58         | 28°37          | 28° 9 | S 3  |
| S 4  | 4 47 43 | 10°58'06          | 4ਰ 1           | 22°43          | 12°47           | 18°36          | 4°34           | 0°28           | 22°53          | 21°10  | 27°14  | 19° 9          | 17°55         | 28°44          | 28°11 | S 4  |
| M 5  | 4 51 39 | 11°59'00          | 16° 6          | 24°15          | 14° 2           | 19°17          | 4°46           | 0°25           | 22°56          | 21° 8  | 27°13  | 19° 5          | 17°52         | 28°50          | 28°12 | M 5  |
| T 6  | 4 55 36 | 12°59'56          | 28°19          | 25°47          | 15°18           | 19°58          | 4°57           | 0°22           | 22°59          | 21° 7  | 27°11  | 19° 1          | 17°49         | 28°57          | 28°14 | T 6  |
| W 7  | 4 59 32 | 14° 0'52          | 10≈44          | 27°19          | 16°33           | 20°39          | 5° 9           | 0°19           | 23° 2          | 21° 6  | 27°10  | 18°57          | 17°46         | 29° 4          | 28°16 | W 7  |
| T 8  | 5 3 29  | 15° 1'50          | 23°24          | 28°50          | 17°49           | 21°21          | 5°20           | 0°16           | 23° 5          | 21° 5  | 27° 9  | 18°54          | 17°42         | 29°10          | 28°17 | T 8  |
| F 9  | 5 7 25  | 16° 2'47          | 6 <b>∺</b> 20  | 0 <b>궁</b> 21  | 19° 4           | 22° 2          | 5°32           | 0°14           | 23° 8          | 21° 3  | 27° 8  | 18°53          | 17°39         | 29°17          | 28°19 | F 9  |
| S 10 | 5 11 22 | 17° 3'46          | 19°36          | 1°52           | 20°20           | 22°43          | 5°43           | 0°11           | 23°11          | 21° 2  | 27° 7  | 18°D52         | 17°36         | 29°24          | 28°21 | S 10 |
| S 11 | 5 15 19 | 18° 4'45          | 3 <b>Υ</b> 14  | 3°22           | 21°35           | 23°25          | 5°54           | 0° 9           | 23°14          | 21° 1  | 27° 6  | 18°53          | 17°33         | 29°30          | 28°23 | S 11 |
| M12  | 5 19 15 | 19° 5'44          | 17°16          | 4°52           | 22°50           | 24° 6          | 6° 5           | 0° 6           | 23°17          | 20°59  | 27° 4  | 18°54          | 17°30         | 29°37          | 28°25 | M12  |
| T 13 | 5 23 12 | 20° 6'44          | 1841           | 6°21           | 24° 6           | 24°48          | 6°17           | 0° 4           | 23°20          | 20°58  | 27° 3  | 18°56          | 17°27         | 29°44          | 28°27 | T 13 |
| W14  | 5 27 8  | 21° 7'45          | 16°27          | 7°50           | 25°21           | 25°29          | 6°28           | 0° 2           | 23°23          | 20°56  | 27° 2  | 18°R57         | 17°23         | 29°50          | 28°29 | W14  |
| T 15 | 5 31 5  | 22° 8'46          | 1∏29           | 9°18           | 26°37           | 26°11          | 6°39           | 29 <b>Y</b> 59 | 23°26          | 20°55  | 27° 1  | 18°56          | 17°20         | 29°57          | 28°31 | T 15 |
| F 16 | 5 35 1  | 23° 9'48          | 16°38          | 10°44          | 27°52           | 26°52          | 6°49           | 29°58          | 23°30          | 20°53  | 27° 0  | 18°54          | 17°17         | 0 <b>√</b> 4   | 28°33 | F 16 |
| S 17 | 5 38 58 | 24°10'50          | 19546          | 12°10          | 29° 8           | 27°34          | 7° 0           | 29°56          | 23°33          | 20°52  | 26°59  | 18°50          | 17°14         | 0°10           | 28°35 | S 17 |
| S 18 | 5 42 54 | 25°11'53          | 16°43          | 13°33          | 0 <b>궁</b> 23   | 28°15          | 7°11           | 29°54          | 23°36          | 20°51  | 26°57  | 18°45          | 17°11         | 0°17           | 28°38 | S 18 |
| M19  | 5 46 51 | 26°12'57          | 1 <b>Ω</b> 19  | 14°56          | 1°39            | 28°57          | 7°22           | 29°53          | 23°39          | 20°49  | 26°56  | 18°39          | 17° 8         | 0°24           | 28°40 | M19  |
| T 20 | 5 50 48 | 27°14'02          | 15°30          | 16°16          | 2°54            | 29°39          | 7°32           | 29°51          | 23°42          | 20°48  | 26°55  | 18°33          | 17° 4         | 0°30           | 28°42 | T 20 |
| W21  | 5 54 44 | 28°15'07          | 29°12          | 17°33          | 4°10            | 0 <b>₹</b> 20  | 7°43           | 29°50          | 23°46          | 20°46  | 26°54  | 18°28          | 17° 1         | 0°37           | 28°45 | W21  |
| T 22 | 5 58 41 | 29°16'13          | 12 <b>m</b> 26 | 18°48          | 5°25            | 1° 2           | 7°53           | 29°49          | 23°49          | 20°44  | 26°53  | 18°25          | 16°58         | 0°43           | 28°47 | T 22 |
| F 23 | 6 2 37  | 0중17'20           | 25°13          | 20° 0          | 6°40            | 1°44           | 8° 3           | 29°47          | 23°52          | 20°43  | 26°51  | 18°D23         | 16°55         | 0°50           | 28°50 | F 23 |
| S 24 | 6 6 34  | 1°18'27           | 7 <b>≙</b> 38  | 21° 7          | 7°56            | 2°26           | 8°14           | 29°46          | 23°56          | 20°41  | 26°50  | 18°23          | 16°52         | 0°57           | 28°52 | S 24 |
| S 25 | 6 10 30 | 2°19'35           | 19°46          | 22°11          | 9°11            | 3° 8           | 8°24           | 29°45          | 23°59          | 20°40  | 26°49  | 18°24          | 16°48         | 1° 3           | 28°55 | S 25 |
| M26  | 6 14 27 | 3°20'44           | 1 <b>M</b> .41 | 23° 9          | 10°27           | 3°50           | 8°34           | 29°45          | 24° 2          | 20°38  | 26°48  | 18°26          | 16°45         | 1°10           | 28°57 | M26  |
| T 27 | 6 18 23 | 4°21'53           | 13°29          | 24° 1          | 11°42           | 4°32           | 8°44           | 29°44          | 24° 6          | 20°37  | 26°47  | 18°R27         | 16°42         | 1°17           | 29° 0 | T 27 |
| W28  | 6 22 20 | 5°23'03           | 25°15          | 24°46          | 12°58           | 5°14           | 8°53           | 29°43          | 24° 9          | 20°35  | 26°45  | 18°27          | 16°39         | 1°23           | 29° 3 | W28  |
| T 29 | 6 26 17 | 6°24'13           | 7 <b>₹</b> 2   | 25°24          | 14°13           | 5°56           | 9° 3           | 29°43          | 24°12          | 20°33  | 26°44  | 18°25          | 16°36         | 1°30           | 29° 6 | T 29 |
| F 30 | 6 30 13 | 7°25'23           | 18°54          | 25°53          | 15°28           | 6°38           | 9°13           | 29°42          | 24°16          | 20°32  | 26°43  | 18°20          | 16°33         | 1°37           | 29° 8 | F 30 |
| S 31 | 6 34 10 | 8 <b>ප්</b> 26'34 | 0 <b>궁</b> 53  | 26 <b>ප</b> 13 | 16 <b>පි</b> 44 | 7 <b>.</b> ₹20 | 9 <b>M</b> 22  | 29 <b>Y</b> 42 | 24 <b>궁</b> 19 | 20930  | 26∏42  | 18 <b>8</b> 14 | 16829         | 1 <b>∡</b> 743 | 29≈11 | S 31 |

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| S 1 6 38 6 9 巻2745 13 1 26°R22 17 巻59 8 2 9 M 31 29°R42 24 23 20°R28 26°R41 18°R 5 16 26 M 2 6 42 3 10°28'56 25°19 26 20 19°15 8°44 9°41 29°D42 24°26 20 20 27 26 M 4 18°R 5 16 23 T 3 6 45 59 11°30'07 7 ※48 26° 7 20°30 9°26 9°50 29 42 24°30 20°25 26°38 17°44 16°20 W 4 6 49 56 12°31'17 20°28 25°42 21°46 10° 8 9°59 29°42 24°33 20°23 26°37 17°34 16°17 T 5 6 53 53 13°32'28 3 ★19 25° 5 23° 1 10°51 10° 8 29°42 24°37 20°22 26°36 17°26 16°14 F 6 6 57 49 14°33'38 16°24 24°17 24°16 11°33 10°17 29°42 24°40 20°20 26°35 17°20 16°10 S 7 7 1 46 15°34'47 29°42 23°18 25°32 12°15 10°25 29°43 24°44 20°18 26°34 17°16 16° 7 S 8 7 5 42 16°35'57 13°Y15 22°11 26°47 12°58 10°34 29°43 24°47 20°17 26°33 17°D15 16° 4 M 9 7 9 39 17°37'05 27° 4 20°57 28° 2 13°40 10°42 29°44 24°51 20°15 26°32 17°15 16° 1 T 10 7 13 35 18°38'14 11811 19°39 29°18 14°22 10°51 29°45 24°54 20°13 26°31 17°R16 15°58 W11 7 17 32 19°39'21 25°35 18°19 0≈33 15° 5 10°59 29°46 24°58 20°12 26°30 17°15 15°54 T 12 7 21 28 20°40'29 10 M 13 17° 0 1°48 15°47 11° 7 29°49 25° 8 20° 6 26°26 17° 1 15°45 S 14° 7 29°22 22°42'41 99552 14°33 4°19 17°12 11°23 29°49 25° 8 20° 6 26°25 16°51 15°45 S 15° 7 33 18 23°43'47 24°37 13°29 5°34 17°55 11°30 29°51 25°12 20° 5 26°25 16°51 15°42 S 10°51 20°15 20°16 20°25 16°51 15°42 S 10°51 20°16 20°25 16°51 15°42 S 10°51 20°15 20°15 20°15 20°15 20°15 20°15 20°15 20°16 20°26 17° 1 15°45 S 15° 7 33 18 23°43'47 24°37 13°29 5°34 17°55 11°30 29°51 25°12 20° 5 26°25 16°51 15°45 S 10°59 20°49 25° 8 20° 6 26°26 17° 1 15°45 S 10°59 20°49 25° 8 20° 6 26°26 17° 1 15°45 S 15° 7 33 18 23°43'47 24°37 13°29 5°34 17°55 11°30 29°51 25°12 20° 5 26°25 16°51 15°42 S 10°51 20°15 20°15 20°16 20°25 16°51 15°42 S 10°51 20°16 20°25 16°51 15°42 S 10°16 20°25 16°51 15°42 S 10°16 20°25 11°25 10°25 11°20 20°51 25°12 20° 5 26°25 16°51 15°42 S 10°16 20°25 11°25 | 1 <b>₹</b> 50<br>1°57 | 29≈14 S         |             |
|---|-----------------------|-----------------|-------------|
| T 3   | 1°57                  | 23~14 3         | 1           |
| W 4   |                       |                 | 12          |
| T 5   6 53 53   13°32'28   3₩19   25° 5   23° 1   10°51   10° 8   29°42   24°37   20°22   26°36   17°26   16°14   F 6   6 57 49   14°33'38   16°24   24°17   24°16   11°33   10°17   29°42   24°40   20°20   26°35   17°20   16°10   S 7   7   1 46   15°34'47   29°42   23°18   25°32   12°15   10°25   29°43   24°44   20°18   26°34   17°16   16° 7   S 8   7   5   42   16°35'57   13№15   22°11   26°47   12°58   10°34   29°43   24°47   20°17   26°33   17°15   16° 1   M 9   7   9   39   17°37'05   27° 4   20°57   28° 2   13°40   10°42   29°44   24°51   20°15   26°32   17°15   16° 1   T 10   7   13   35   18°38'14   11♥11   19°39   29°18   14°22   10°51   29°45   24°54   20°13   26°31   17°R16   15°58   W11   7   7   7   32   19°39'21   25°35   18°19   0∞33   15° 5   10°59   29°46   24°58   20°12   26°30   17°15   15°54   T 12   7   21   28   20°40'29   10№13   17° 0   1°48   15°47   11° 7   29°47   25° 1   20°10   26°28   17°13   15°51   F 13   7   25   25   21°41'35   25° 1   15°44   3° 4   16°30   11°15   29°48   25° 5   20° 8   26°27   17° 9   15°48   S 14   7   29   22   22°42'41   9©52   14°33   4°19   17°12   11°23   29°49   25° 8   20° 6   26°25   16°51   15°42   S 15   7   33   18   23°43'47   24°37   13°29   5°34   17°55   11°30   29°51   25°12   20° 5   26°25   16°51   15°42   | 2° 3                  | 29°20 T         | ` 3         |
| F 6 6 657 49 14°33'38 16°24 24°17 24°16 11°33 10°17 29°42 24°40 20°20 26°35 17°20 16°10 8 7 7 1 46 15°34'47 29°42 23°18 25°32 12°15 10°25 29°43 24°44 20°18 26°34 17°16 16° 7 8 8 7 5 42 16°35'57 13°Y15 22°11 26°47 12°58 10°34 29°43 24°47 20°17 26°33 17°D15 16° 4 M 9 7 9 39 17°37'05 27° 4 20°57 28° 2 13°40 10°42 29°44 24°51 20°15 26°32 17°15 16° 1 T10 7 13 35 18°38'14 11811 19°39 29°18 14°22 10°51 29°45 24°54 20°13 26°31 17°R16 15°58 W11 7 17 32 19°39'21 25°35 18°19 0≈33 15° 5 10°59 29°46 24°58 20°12 26°30 17°15 15°54 T12 7 21 28 20°40'29 10 II 13 17° 0 1°48 15°47 11° 7 29°47 25° 1 20°10 26°28 17°13 15°51 F13 7 25 25 21°41'35 25° 1 15°44 3° 4 16°30 11°15 29°48 25° 5 20° 8 26°27 17° 9 15°48 S14 7 29 22 22°42'41 9©52 14°33 4°19 17°12 11°23 29°49 25° 8 20° 6 26°26 17° 1 15°45 S15 7 33 18 23°43'47 24°37 13°29 5°34 17°55 11°30 29°51 25°12 20° 5 26°25 16°51 15°42   | 2°10                  | 29°23 W         | V 4         |
| S 7       7 1 46       15°34'47       29°42       23°18       25°32       12°15       10°25       29°43       24°44       20°18       26°34       17°16       16° 7         S 8       7 5 42       16°35'57       13°Y15       22°11       26°47       12°58       10°34       29°43       24°47       20°17       26°33       17°15       16° 4         M 9       7 9 39       17°37'05       27° 4       20°57       28° 2       13°40       10°42       29°44       24°51       20°15       26°32       17°15       16° 1         T 10       7 13 35       18°38'14       118'11       19°39       29°18       14°22       10°51       29°45       24°54       20°13       26°31       17°R16       15°58         W11       7 17 32       19°39'21       25°35       18°19       0≈33       15° 5       10°59       29°46       24°58       20°12       26°30       17°15       15°54         T 12       7 21 28       20°40'29       10Ш3       17° 0       1°48       15°47       11° 7       29°47       25° 1       20°10       26°28       17°13       15°51         F 13       7 25 25       21°41'35       25° 1       15°44       3° 4   | 2°17                  | 29°26 T         | ` 5         |
| S 8       7 5 42       16°35'57       13°Y15       22°11       26°47       12°58       10°34       29°43       24°47       20°17       26°33       17°D15       16° 4         M 9       7 9 39       17°37'05       27° 4       20°57       28° 2       13°40       10°42       29°44       24°51       20°15       26°32       17°15       16° 1         T 10       7 13 35       18°38'14       11°811       19°39       29°18       14°22       10°51       29°45       24°54       20°13       26°31       17°R16       15°58         W11       7 17 32       19°39'21       25°35       18°19       0≈33       15° 5       10°59       29°46       24°58       20°12       26°30       17°15       15°54         T 12       7 21 28       20°40'29       10 II 13       17° 0       1°48       15°47       11° 7       29°47       25° 1       20°10       26°28       17°13       15°51         F 13       7 25 25       21°41'35       25° 1       15°44       3° 4       16°30       11°15       29°48       25° 5       20° 8       26°27       17° 9       15°48         S 14       7 29 22       22°42'41       9©52       14°33       4°19<   | 2°23                  | 29°29 F         | 6           |
| M 9   | 2°30                  | 29°32 S         | 7           |
| T 10       7 13 35       18°38'14       11 ₩11       19°39       29°18       14°22       10°51       29°45       24°54       20°13       26°31       17°R16       15°58         W11       7 17 32       19°39'21       25°35       18°19       0≈33       15° 5       10°59       29°46       24°58       20°12       26°30       17°15       15°54         T 12       7 21 28       20°40'29       10 II 13       17° 0       1°48       15°47       11° 7       29°47       25° 1       20°10       26°28       17°13       15°51         F 13       7 25 25       21°41'35       25° 1       15°44       3° 4       16°30       11°15       29°48       25° 5       20° 8       26°27       17° 9       15°48         S 14       7 29 22       22°42'41       9©52       14°33       4°19       17°12       11°23       29°49       25° 8       20° 6       26°26       17° 1       15°42         S 15       7 33 18       23°43'47       24°37       13°29       5°34       17°55       11°30       29°51       25°12       20° 5       26°25       16°51       15°42   | 2°37                  | 29°35 S         | 8           |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | 2°43                  |                 | 19          |
| T 12       7 21 28       20°40'29       10 II 13       17° 0       1°48       15°47       11° 7       29°47       25° 1       20°10       26°28       17°13       15°51         F 13       7 25 25       21°41'35       25° 1       15°44       3° 4       16°30       11°15       29°48       25° 5       20° 8       26°27       17° 9       15°48         S 14       7 29 22       22°42'41       9©52       14°33       4°19       17°12       11°23       29°49       25° 8       20° 6       26°26       17° 1       15°45         S 15       7 33 18       23°43'47       24°37       13°29       5°34       17°55       11°30       29°51       25°12       20° 5       26°25       16°51       15°42   | 2°50                  |                 | 10          |
| F 13     7 25 25     21°41'35     25° 1     15°44     3° 4     16°30     11°15     29°48     25° 5     20° 8     26°27     17° 9     15°48       S 14     7 29 22     22°42'41     9©52     14°33     4°19     17°12     11°23     29°49     25° 8     20° 6     26°26     17° 1     15°45       S 15     7 33 18     23°43'47     24°37     13°29     5°34     17°55     11°30     29°51     25°12     20° 5     26°25     16°51     15°42   | 2°56                  |                 | V1 1        |
| S 14     7 29 22     22°42'41     9552     14°33     4°19     17°12     11°23     29°49     25° 8     20° 6     26°26     17° 1     15°45       S 15     7 33 18     23°43'47     24°37     13°29     5°34     17°55     11°30     29°51     25°12     20° 5     26°25     16°51     15°42  | 3° 3                  |                 | 12          |
| S 15 7 33 18 23°43'47 24°37 13°29 5°34 17°55 11°30 29°51 25°12 20° 5 26°25 16°51 15°42  | 3°10                  |                 | 13          |
|   | 3°16                  | 29°55 S         | 14          |
| 1x1/C   72715   2404452   20 0   12022   2050   10020   11020   20052   2501/C   200 2   22024   12040   15020  | 3°23                  |                 | 15          |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | 3°30                  |                 | <i>1</i> 16 |
| T 17   7 41 11   25°45'57   23°21   11°47   8° 5   19°20   11°45   29°54   25°19   20° 1   26°23   16°29   15°35  | 3°36                  |                 | 17          |
| W18   7 45 8   26°47'01   7 mp 7   11° 9   9°20   20° 3   11°53   29°56   25°23   20° 0   26°22   16°19   15°32   | 3°43                  |                 | V18         |
| T 19   7 49   4   27°48'05   20°25   10°42   10°35   20°46   12° 0   29°57   25°26   19°58   26°21   16°11   15°29  | 3°50                  |                 | `19         |
| F 20   7 53 1   28°49′08   3\textit{918}   10°23   11°51   21°29   12° 7   29°59   25°30   19°56   26°20   16° 6   15°26  | 3°56                  |                 | 20          |
| S 21     7 56 57     29°50'11     15°47     10°14     13° 6     22°11     12°14     08     1     25°33     19°55     26°19     16° 3     15°23  | 4° 3                  | 0°20 S          | 21          |
| S 22   8 0 54   0\infty51'14   27°57   10°D13   14°21   22°54   12°20   0° 3   25°37   19°53   26°18   16°D 2   15°20   | 4°10                  | 0°23 S          | 22          |
| M23   8 4 51   1°52'16   9M.54   10°20   15°36   23°37   12°27   0° 6   25°40   19°51   26°17   16°R 2   15°16  | 4°16                  |                 | 123         |
| T 24   8 8 47   2°53'18   21°42   10°34   16°51   24°20   12°33   0° 8   25°44   19°50   26°16   16° 2   15°13  | 4°23                  | 0°31 T          | `24         |
| W25   8 12 44   3°54′19   3₹29   10°55   18° 6   25° 3   12°40   0°10   25°47   19°48   26°16   16° 1   15°10   | 4°30                  | 0°34 W          | V25         |
| T 26   8 16 40   4°55'20   15°18   11°23   19°22   25°46   12°46   0°13   25°51   19°46   26°15   15°57   15°7  | 4°36                  | 0°38 T          | `26         |
| F 27   8 20 37   5°56'20   27°14   11°55   20°37   26°29   12°52   0°16   25°54   19°45   26°14   15°51   15° 4   | 4°43                  |                 | 27          |
| S 28   8 24 33   6°57'20   9중21   12°34   21°52   27°12   12°57   0°18   25°58   19°43   26°13   15°42   15° 0  | 4°50                  | 0°45 S          | 28          |
| S 29   8 28 30   7°58'18   21°41   13°16   23° 7   27°55   13° 3   0°21   26° 1   19°42   26°12   15°30   14°57   | 4°56                  |                 | 29          |
| M30   8 32 26   8°59'16   4≈14   14° 3   24°22   28°38   13° 9   0°24   26° 5   19°40   26°11   15°17   14°54   | 5° 3                  |                 | 130         |
| T31   83623   10≈ 0'13   17≈ 2   14♂54   25≈37   29√21   13ML14   0627   26♂ 8   19☞38   26Ⅱ10   15♂ 2   14♂51  | 5 <b>₹</b> 10         | 0 <b>∺</b> 57 T | 31          |

Delta T = 12.43 sec

FEBRUARY 1911 00:00 UT

| Day  | Sid.t    | 0                  | D              | ğ              | φ             | ď              | 4               | ħ             | )f(            | ¥      | В      | U              | ß              | Ç             | ę,            | Day  |
|------|----------|--------------------|----------------|----------------|---------------|----------------|-----------------|---------------|----------------|--------|--------|----------------|----------------|---------------|---------------|------|
| W 1  | 8 40 20  | 11≈ 1'08           | 0 <b>)</b> 3   | 15 <b>る</b> 48 | 26≈52         | 0궁 5           | 13 <b>M</b> .19 | 0 <b>8</b> 30 | 26 <b>궁</b> 12 | 19°R37 | 26°R10 | 14°R49         | 14 <b>8</b> 48 | 5 <b>₹</b> 16 | 1 <b>)</b> 1  | W 1  |
| T 2  | 8 44 16  | 12° 2'03           | 13°16          | 16°46          | 28° 7         | 0°48           | 13°24           | 0°34          | 26°15          | 19935  | 26耳 9  | 14 <b>8</b> 37 | 14°45          | 5°23          | 1° 4          | T 2  |
| F 3  | 8 48 13  | 13° 2'56           | 26°39          | 17°46          | 29°22         | 1°31           | 13°29           | 0°37          | 26°19          | 19°34  | 26° 8  | 14°28          | 14°41          | 5°29          | 1°8           | F 3  |
| S 4  | 8 52 9   | 14° 3'48           | 10 <b>Y</b> 12 | 18°49          | 0 <b>∺</b> 37 | 2°14           | 13°34           | 0°41          | 26°22          | 19°32  | 26° 7  | 14°23          | 14°38          | 5°36          | 1°12          | S 4  |
| S 5  | 8 56 6   | 15° 4'38           | 23°54          | 19°55          | 1°52          | 2°57           | 13°38           | 0°44          | 26°26          | 19°31  | 26° 6  | 14°20          | 14°35          | 5°43          | 1°16          | S 5  |
| M 6  | 9 0 2    | 16° 5'27           | 7 <b>8</b> 45  | 21° 2          | 3° 7          | 3°41           | 13°42           | 0°48          | 26°29          | 19°29  | 26° 6  | 14°19          | 14°32          | 5°49          | 1°20          | M 6  |
| T 7  | 9 3 59   | 17° 6'15           | 21°45          | 22°12          | 4°22          | 4°24           | 13°47           | 0°51          | 26°32          | 19°28  | 26° 5  | 14°19          | 14°29          | 5°56          | 1°24          | T 7  |
| W 8  | 9 7 5 5  | 18° 7'01           | 5 <b>Ⅱ</b> 53  | 23°24          | 5°37          | 5° 8           | 13°51           | 0°55          | 26°36          | 19°26  | 26° 4  | 14°18          | 14°26          | 6° 3          | 1°28          | W 8  |
| T 9  | 9 11 52  | 19° 7'45           | 20° 9          | 24°37          | 6°52          | 5°51           | 13°54           | 0°59          | 26°39          | 19°25  | 26° 4  | 14°16          | 14°22          | 6° 9          | 1°32          | T 9  |
| F 10 | 9 15 49  | 20° 8'28           | 4 <b>9</b> 31  | 25°52          | 8° 7          | 6°34           | 13°58           | 1° 3          | 26°42          | 19°23  | 26° 3  | 14°10          | 14°19          | 6°16          | 1°36          | F 10 |
| S 11 | 9 19 45  | 21° 9'09           | 18°55          | 27° 9          | 9°22          | 7°18           | 14° 2           | 1° 7          | 26°46          | 19°22  | 26° 2  | 14° 2          | 14°16          | 6°23          | 1°40          | S 11 |
| S 12 | 9 23 42  | 22° 9'49           | 3 <b>Ω</b> 15  | 28°27          | 10°36         | 8° 1           | 14° 5           | 1°12          | 26°49          | 19°21  | 26° 2  | 13°52          | 14°13          | 6°29          | 1°44          | S 12 |
| M13  | 9 27 38  | 23°10'28           | 17°25          | 29°46          | 11°51         | 8°45           | 14° 8           | 1°16          | 26°52          | 19°19  | 26° 1  | 13°39          | 14°10          | 6°36          | 1°48          | M13  |
| T 14 | 9 31 35  | 24°11'04           | 1 Mp 2 1       | 1≈ 7           | 13° 6         | 9°28           | 14°11           | 1°20          | 26°55          | 19°18  | 26° 1  | 13°27          | 14° 6          | 6°43          | 1°52          | T 14 |
| W15  | 9 35 31  | 25°11'40           | 14°57          | 2°29           | 14°21         | 10°12          | 14°14           | 1°25          | 26°59          | 19°17  | 26° 0  | 13°15          | 14° 3          | 6°49          | 1°56          | W15  |
| T 16 | 9 39 28  | 26°12'13           | 28°11          | 3°53           | 15°35         | 10°56          | 14°16           | 1°29          | 27° 2          | 19°15  | 26° 0  | 13° 6          | 14° 0          | 6°56          | 2° 0          | T 16 |
| F 17 | 9 43 24  | 27°12'46           | 11 <b>≏</b> 2  | 5°17           | 16°50         | 11°39          | 14°19           | 1°34          | 27° 5          | 19°14  | 25°59  | 12°59          | 13°57          | 7° 3          | 2° 4          | F 17 |
| S 18 | 9 47 21  | 28°13'17           | 23°32          | 6°43           | 18° 5         | 12°23          | 14°21           | 1°39          | 27° 8          | 19°13  | 25°59  | 12°55          | 13°54          | 7° 9          | 2° 8          | S 18 |
| S 19 | 9 51 18  | 29°13'47           | 5 <b>M</b> .44 | 8° 9           | 19°19         | 13° 7          | 14°23           | 1°43          | 27°11          | 19°12  | 25°58  | 12°54          | 13°51          | 7°16          | 2°12          | S 19 |
| M20  | 9 55 14  | 0 <b>) (</b> 14′16 | 17°43          | 9°37           | 20°34         | 13°51          | 14°25           | 1°48          | 27°15          | 19°10  | 25°58  | 12°D54         | 13°47          | 7°23          | 2°16          | M20  |
| T 21 | 9 59 11  | 1°14'43            | 29°34          | 11° 6          | 21°48         | 14°34          | 14°27           | 1°53          | 27°18          | 19° 9  | 25°57  | 12°R54         | 13°44          | 7°29          | 2°20          | T 21 |
| W22  | 10 3 7   | 2°15'09            | 11 <b>×</b> 22 | 12°36          | 23° 3         | 15°18          | 14°28           | 1°58          | 27°21          | 19° 8  | 25°57  | 12°54          | 13°41          | 7°36          | 2°24          | W22  |
| T 23 | 10 7 4   | 3°15'34            | 23°13          | 14° 7          | 24°17         | 16° 2          | 14°29           | 2° 3          | 27°24          | 19° 7  | 25°57  | 12°51          | 13°38          | 7°43          | 2°28          | T 23 |
| F 24 | 10 11 0  | 4°15'58            | 5 <b>궁</b> 12  | 15°39          | 25°32         | 16°46          | 14°30           | 2° 9          | 27°27          | 19° 6  | 25°56  | 12°47          | 13°35          | 7°49          | 2°32          | F 24 |
| S 25 | 10 14 57 | 5°16'20            | 17°24          | 17°11          | 26°46         | 17°30          | 14°31           | 2°14          | 27°30          | 19° 5  | 25°56  | 12°40          | 13°32          | 7°56          | 2°36          | S 25 |
| S 26 | 10 18 53 | 6°16'40            | 29°51          | 18°45          | 28° 1         | 18°14          | 14°32           | 2°19          | 27°33          | 19° 4  | 25°56  | 12°31          | 13°28          | 8° 3          | 2°40          | S 26 |
| M27  | 10 22 50 | 7°16'59            | 12≈36          | 20°20          | 29°15         | 18°58          | 14°33           | 2°25          | 27°36          | 19° 3  | 25°55  | 12°20          | 13°25          | 8° 9          | 2°44          | M27  |
| T 28 | 10 26 47 | 8 <b>)</b> 17'16   | 25≈40          | 21≈56          | 0Υ29          | 19 <b>る</b> 42 | 14 <b>M</b> 33  | 2 <b>8</b> 30 | 27 <b>る</b> 39 | 1995 2 | 25∏55  | 128 8          | 13822          | 8 <b>√</b> 16 | 2 <b>)</b> 48 | T 28 |

Delta T = 12.54 sec

MARCH 1911 00:00 UT

| Day  | Sid.t    | 0                | D              | Ϋ́             | ·             | ð              | 4               | ħ             | )ұ(            | 卉      | В               | Ω.             | v              | Ç               | Ş,            | Day  |
|------|----------|------------------|----------------|----------------|---------------|----------------|-----------------|---------------|----------------|--------|-----------------|----------------|----------------|-----------------|---------------|------|
| W 1  | 10 30 43 | 9 <b>)</b> 17'31 | 9 <b>)</b> 1   | 23≈33          | 1 <b>Υ</b> 44 | 20 <b>궁</b> 26 | 14°R33          | 2 <b>8</b> 36 | 27 <b>궁</b> 41 | 19°R 1 | 25°R55          | 11°R57         | 13 <b>8</b> 19 | 8 <b>∡</b> 723  | 2 <b>∺</b> 52 | W 1  |
| T 2  | 10 34 40 | 10°17'45         | 22°38          | 25°11          | 2°58          | 21°10          | 14 <b>M</b> .33 | 2°41          | 27°44          | 1995 0 | 25 <b>Ⅱ</b> 55  | 11847          | 13°16          | 8°29            | 2°56          | T 2  |
| F 3  | 10 38 36 | 11°17'57         | 6 <b>Ƴ</b> 28  | 26°50          | 4°12          | 21°54          | 14°33           | 2°47          | 27°47          | 18°59  | 25°54           | 11°40          | 13°12          | 8°36            | 3° 0          | F 3  |
| S 4  | 10 42 33 | 12°18'07         | 20°26          | 28°31          | 5°27          | 22°38          | 14°33           | 2°53          | 27°50          | 18°58  | 25°54           | 11°36          | 13° 9          | 8°43            | 3° 4          | S 4  |
| S 5  | 10 46 29 | 13°18'14         | 4829           | 0 <b></b> ₩12  | 6°41          | 23°22          | 14°32           | 2°59          | 27°53          | 18°57  | 25°54           | 11°34          | 13° 6          | 8°49            | 3° 8          | S 5  |
| M 6  | 10 50 26 | 14°18'20         | 18°36          | 1°54           | 7°55          | 24° 6          | 14°31           | 3° 4          | 27°55          | 18°56  | 25°54           | 11°D34         | 13° 3          | 8°56            | 3°11          | M 6  |
| T 7  | 10 54 22 | 15°18'24         | 2 <b>Ⅱ</b> 43  | 3°37           | 9° 9          | 24°50          | 14°30           | 3°10          | 27°58          | 18°55  | 25°54           | 11°34          | 13° 0          | 9° 3            | 3°15          | T 7  |
| W 8  | 10 58 19 | 16°18'25         | 16°51          | 5°22           | 10°23         | 25°34          | 14°29           | 3°16          | 28° 1          | 18°55  | 25°54           | 11°R35         | 12°57          | 9° 9            | 3°19          | W 8  |
| T 9  | 11 2 16  | 17°18'25         | 0ഇ57           | 7° 7           | 11°37         | 26°19          | 14°28           | 3°23          | 28° 3          | 18°54  | 25°54           | 11°34          | 12°53          | 9°16            | 3°23          | T 9  |
| F 10 | 11 6 12  | 18°18'22         | 15° 0          | 8°54           | 12°51         | 27° 3          | 14°26           | 3°29          | 28° 6          | 18°53  | 25°54           | 11°31          | 12°50          | 9°23            | 3°27          | F 10 |
| S 11 | 11 10 9  | 19°18'17         | 28°59          | 10°42          | 14° 5         | 27°47          | 14°24           | 3°35          | 28° 8          | 18°53  | 25°D54          | 11°26          | 12°47          | 9°29            | 3°31          | S 11 |
| S 12 | 11 14 5  | 20°18'10         | 12 <b>Q</b> 51 | 12°31          | 15°19         | 28°31          | 14°23           | 3°41          | 28°11          | 18°52  | 25°54           | 11°19          | 12°44          | 9°36            | 3°35          | S 12 |
| M13  | 11 18 2  | 21°18'00         | 26°34          | 14°21          | 16°32         | 29°15          | 14°20           | 3°47          | 28°13          | 18°51  | 25°54           | 11°10          | 12°41          | 9°42            | 3°39          | M13  |
| T 14 | 11 21 58 | 22°17'49         | 10Mp 4         | 16°12          | 17°46         | 29°59          | 14°18           | 3°54          | 28°16          | 18°51  | 25°54           | 11° 2          | 12°38          | 9°49            | 3°43          | T 14 |
| W15  | 11 25 55 | 23°17'35         | 23°19          | 18° 5          | 19° 0         | 0≈44           | 14°16           | 4° 0          | 28°18          | 18°50  | 25°54           | 10°54          | 12°34          | 9°56            | 3°46          | W15  |
| T 16 | 11 29 51 | 24°17'19         | 6 <b>₽</b> 17  | 19°58          | 20°14         | 1°28           | 14°13           | 4° 7          | 28°21          | 18°50  | 25°54           | 10°47          | 12°31          | 10° 2           | 3°50          | T 16 |
| F 17 | 11 33 48 | 25°17'02         | 18°57          | 21°53          | 21°27         | 2°13           | 14°10           | 4°13          | 28°23          | 18°49  | 25°54           | 10°43          | 12°28          | 10° 9           | 3°54          | F 17 |
| S 18 | 11 37 45 | 26°16'43         | 1 <b>M</b> 22  | 23°49          | 22°41         | 2°57           | 14° 7           | 4°20          | 28°25          | 18°49  | 25°54           | 10°40          | 12°25          | 10°16           | 3°58          | S 18 |
| S 19 | 11 41 41 | 27°16'21         | 13°32          | 25°46          | 23°54         | 3°42           | 14° 4           | 4°27          | 28°27          | 18°48  | 25°54           | 10°D40         | 12°22          | 10°22           | 4° 2          | S 19 |
| M20  | 11 45 38 | 28°15'58         | 25°30          | 27°44          | 25° 8         | 4°26           | 14° 1           | 4°33          | 28°30          | 18°48  | 25°54           | 10°41          | 12°18          | 10°29           | 4° 5          | M20  |
| T 21 | 11 49 34 | 29°15'34         | 7 <b>.₹</b> 22 | 29°43          | 26°21         | 5°11           | 13°57           | 4°40          | 28°32          | 18°48  | 25°55           | 10°42          | 12°15          | 10°36           | 4° 9          | T 21 |
| W22  | 11 53 31 | 0 <b>Ƴ</b> 15'07 | 19°11          | 1 <b>Υ</b> 42  | 27°35         | 5°55           | 13°54           | 4°47          | 28°34          | 18°47  | 25°55           | 10°44          | 12°12          | 10°42           | 4°13          | W22  |
| T 23 | 11 57 27 | 1°14'39          | 1る3            | 3°43           | 28°48         | 6°39           | 13°50           | 4°54          | 28°36          | 18°47  | 25°55           | 10°R44         | 12° 9          | 10°49           | 4°16          | T 23 |
| F 24 | 12 1 24  | 2°14'09          | 13° 2          | 5°44           | 0 <b>8</b> 1  | 7°24           | 13°46           | 5° 0          | 28°38          | 18°47  | 25°55           | 10°44          | 12° 6          | 10°56           | 4°20          | F 24 |
| S 25 | 12 5 20  | 3°13'37          | 25°15          | 7°46           | 1°14          | 8° 9           | 13°42           | 5° 7          | 28°40          | 18°46  | 25°56           | 10°41          | 12° 3          | 11° 2           | 4°24          | S 25 |
| S 26 | 12 9 17  | 4°13'04          | 7≈44           | 9°47           | 2°28          | 8°53           | 13°37           | 5°14          | 28°42          | 18°46  | 25°56           | 10°37          | 11°59          | 11° 9           | 4°27          | S 26 |
| M27  | 12 13 14 | 5°12'29          | 20°34          | 11°49          | 3°41          | 9°38           | 13°33           | 5°21          | 28°44          | 18°46  | 25°56           | 10°32          | 11°56          | 11°16           | 4°31          | M27  |
| T 28 | 12 17 10 | 6°11'51          | 3 <b>)</b> €46 | 13°51          | 4°54          | 10°22          | 13°28           | 5°28          | 28°46          | 18°46  | 25°57           | 10°27          | 11°53          | 11°22           | 4°34          | T 28 |
| W29  | 12 21 7  | 7°11'12          | 17°20          | 15°53          | 6° 7          | 11° 7          | 13°23           | 5°35          | 28°48          | 18°46  | 25°57           | 10°21          | 11°50          | 11°29           | 4°38          | W29  |
| T 30 | 12 25 3  | 8°10'31          | 1 <b>Υ</b> 15  | 17°53          | 7°20          | 11°51          | 13°18           | 5°42          | 28°49          | 18°46  | 25°58           | 10°16          | 11°47          | 11°36           | 4°41          | T 30 |
| F 31 | 12 29 0  | 9 <b>Ƴ</b> 9'48  | 15 <b>Y</b> 27 | 19 <b>Y</b> 53 | 8 <b>8</b> 33 | 12≈36          | 13 <b>M</b> .13 | 5 <b>8</b> 50 | 28 <b>ට</b> 51 | 18°D46 | 25 <b>II</b> 58 | 10 <b>8</b> 13 | 11843          | 11 <b>×7</b> 42 | 4 <b>∺</b> 45 | F 31 |

Delta T = 12.64 sec

APRIL 1911 00:00 UT

| Day  | Sid.t    | 0                | D                | φ              | Q-             | ♂ <sup>™</sup> | 4             | ħ             | ď              | ¥      | Р     | ß      | S     | Ç               | %٥             | Day  |
|------|----------|------------------|------------------|----------------|----------------|----------------|---------------|---------------|----------------|--------|-------|--------|-------|-----------------|----------------|------|
| S 1  | 12 32 56 | 10 <b>Y</b> 9'03 | 29 <b>Y</b> 52   | 21 <b>Y</b> 50 | 9 <b>8</b> 46  | 13 <b>≈</b> 21 | 13°R 8        | 5 <b>8</b> 57 | 28 <b>궁</b> 53 | 189546 | 25耳58 | 10°R11 | 11840 | 11 <b>×7</b> 49 | 4 <b>)</b> (48 | S 1  |
| S 2  | 12 36 53 | 11° 8'15         | 14822            | 23°47          | 10°59          | 14° 5          | 13 <b>M</b> 3 | 6° 4          | 28°54          | 18°46  | 25°59 | 10°D11 | 11°37 | 11°56           | 4°52           | S 2  |
| M 3  | 12 40 49 | 12° 7'26         | 28°54            | 25°40          | 12°11          | 14°50          | 12°57         | 6°11          | 28°56          | 18°46  | 25°59 | 10812  | 11°34 | 12° 2           | 4°55           | M 3  |
| T 4  | 12 44 46 | 13° 6'34         | 13耳22            | 27°32          | 13°24          | 15°35          | 12°51         | 6°19          | 28°57          | 18°46  | 26° 0 | 10°13  | 11°31 | 12° 9           | 4°58           | T 4  |
| W 5  | 12 48 43 | 14° 5'40         | 27°42            | 29°20          | 14°37          | 16°19          | 12°46         | 6°26          | 28°59          | 18°46  | 26° 0 | 10°14  | 11°28 | 12°16           | 5° 2           | W 5  |
| T 6  | 12 52 39 | 15° 4'44         | 119552           | 1 <b>8</b> 5   | 15°49          | 17° 4          | 12°40         | 6°33          | 29° 0          | 18°46  | 26° 1 | 10°R15 | 11°24 | 12°22           | 5° 5           | T 6  |
| F 7  | 12 56 36 | 16° 3'46         | 25°50            | 2°46           | 17° 2          | 17°49          | 12°34         | 6°41          | 29° 2          | 18°47  | 26° 2 | 10°15  | 11°21 | 12°29           | 5° 8           | F 7  |
| S 8  | 13 0 32  | 17° 2'44         | 9 <b>Ω</b> 35    | 4°23           | 18°14          | 18°33          | 12°27         | 6°48          | 29° 3          | 18°47  | 26° 2 | 10°14  | 11°18 | 12°36           | 5°11           | S 8  |
| S 9  | 13 4 29  | 18° 1'41         | 23° 7            | 5°56           | 19°27          | 19°18          | 12°21         | 6°55          | 29° 4          | 18°47  | 26° 3 | 10°11  | 11°15 | 12°42           | 5°15           | S 9  |
| M10  | 13 8 25  | 19° 0'35         | 6Mp25            | 7°24           | 20°39          | 20° 3          | 12°15         | 7° 3          | 29° 6          | 18°48  | 26° 3 | 10° 8  | 11°12 | 12°49           | 5°18           | M10  |
| T 11 | 13 12 22 | 19°59'27         | 19°29            | 8°47           | 21°51          | 20°47          | 12° 8         | 7°10          | 29° 7          | 18°48  | 26° 4 | 10° 5  | 11° 9 | 12°56           | 5°21           | T 11 |
| W12  | 13 16 18 | 20°58'17         | 2 <b>≏</b> 20    | 10° 5          | 23° 3          | 21°32          | 12° 1         | 7°18          | 29° 8          | 18°48  | 26° 5 | 10° 2  | 11° 5 | 13° 2           | 5°24           | W12  |
| T 13 | 13 20 15 | 21°57'05         | 14°58            | 11°18          | 24°16          | 22°17          | 11°55         | 7°25          | 29° 9          | 18°49  | 26° 5 | 10° 0  | 11° 2 | 13° 9           | 5°27           | T 13 |
| F 14 | 13 24 11 | 22°55'51         | 27°23            | 12°25          | 25°28          | 23° 2          | 11°48         | 7°33          | 29°10          | 18°49  | 26° 6 | 9°59   | 10°59 | 13°16           | 5°30           | F 14 |
| S 15 | 13 28 8  | 23°54'35         | 9 <b>M</b> .36   | 13°27          | 26°40          | 23°46          | 11°41         | 7°40          | 29°11          | 18°50  | 26° 7 | 9°D58  | 10°56 | 13°22           | 5°33           | S 15 |
| S 16 | 13 32 5  | 24°53'17         | 21°40            | 14°23          | 27°52          | 24°31          | 11°34         | 7°48          | 29°12          | 18°50  | 26° 8 | 9°59   | 10°53 | 13°29           | 5°36           | S 16 |
| M17  | 13 36 1  | 25°51'57         | 3 <b>∡</b> 35    | 15°13          | 29° 3          | 25°16          | 11°27         | 7°55          | 29°13          | 18°51  | 26° 8 | 9°59   | 10°49 | 13°36           | 5°39           | M17  |
| T 18 | 13 39 58 | 26°50'36         | 15°26            | 15°57          | 0耳15           | 26° 0          | 11°20         | 8° 3          | 29°14          | 18°51  | 26° 9 | 10° 1  | 10°46 | 13°42           | 5°41           | T 18 |
| W19  | 13 43 54 | 27°49'12         | 27°15            | 16°36          | 1°27           | 26°45          | 11°13         | 8°11          | 29°15          | 18°52  | 26°10 | 10° 2  | 10°43 | 13°49           | 5°44           | W19  |
| T 20 | 13 47 51 | 28°47'47         | 9 <b>궁</b> 7     | 17° 8          | 2°38           | 27°30          | 11° 5         | 8°18          | 29°16          | 18°52  | 26°11 | 10° 3  | 10°40 | 13°56           | 5°47           | T 20 |
| F 21 | 13 51 47 | 29°46'21         | 21° 7            | 17°34          | 3°50           | 28°15          | 10°58         | 8°26          | 29°16          | 18°53  | 26°12 | 10° 4  | 10°37 | 14° 2           | 5°50           | F 21 |
| S 22 | 13 55 44 | 0844'52          | 3≈18             | 17°54          | 5° 2           | 28°59          | 10°51         | 8°34          | 29°17          | 18°54  | 26°13 | 10°R 4 | 10°34 | 14° 9           | 5°52           | S 22 |
| S 23 | 13 59 40 | 1°43'22          | 15°45            | 18° 9          | 6°13           | 29°44          | 10°43         | 8°41          | 29°18          | 18°55  | 26°14 | 10° 3  | 10°30 | 14°16           | 5°55           | S 23 |
| M24  | 14 3 37  | 2°41'51          | 28°33            | 18°17          | 7°24           | 0 <b>∺</b> 29  | 10°36         | 8°49          | 29°18          | 18°55  | 26°14 | 10° 3  | 10°27 | 14°22           | 5°58           | M24  |
| T 25 | 14 7 34  | 3°40'18          | 11 <b>) (</b> 44 | 18°R20         | 8°36           | 1°14           | 10°28         | 8°57          | 29°19          | 18°56  | 26°15 | 10° 2  | 10°24 | 14°29           | 6° 0           | T 25 |
| W26  | 14 11 30 | 4°38'43          | 25°21            | 18°17          | 9°47           | 1°58           | 10°21         | 9° 4          | 29°19          | 18°57  | 26°16 | 10° 1  | 10°21 | 14°36           | 6° 3           | W26  |
| T 27 | 14 15 27 | 5°37'06          | 9 <b>Υ</b> 22    | 18° 9          | 10°58          | 2°43           | 10°13         | 9°12          | 29°20          | 18°58  | 26°17 | 10° 1  | 10°18 | 14°42           | 6° 5           | T 27 |
| F 28 | 14 19 23 | 6°35'28          | 23°46            | 17°55          | 12° 9          | 3°28           | 10° 5         | 9°20          | 29°20          | 18°59  | 26°18 | 10° 1  | 10°15 | 14°49           | 6° 8           | F 28 |
| S 29 | 14 23 20 | 7°33'48          | 8 <b>8</b> 29    | 17°37          | 13°20          | 4°13           | 9°58          | 9°27          | 29°20          | 19° 0  | 26°19 | 10°D 0 | 10°11 | 14°56           | 6°10           | S 29 |
| S 30 | 14 27 16 | 8 <b>8</b> 32'06 | 23822            | 17814          | 14 <b>Ⅲ</b> 31 | 4 <b>∺</b> 57  | 9 <b>M</b> 50 | 9 <b>8</b> 35 | 29 <b>ප</b> 21 | 1995 1 | 26Ⅲ20 | 108 0  | 108 8 | 15 <b>₹</b> 2   | 6 <b>光</b> 12  | S 30 |

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| Day  | Sid.t    | 0                | D               | ğ              | ·              | ď              | 4              | ħ              | )f(            | ħ      | В     | ß      | Ω             | Ç              | Ŷ,             | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|-------|--------|---------------|----------------|----------------|------|
| M 1  | 14 31 13 | 9830'23          | 8耳19            | 16°R48         | 15 <b>Ⅱ</b> 41 | 5 <b>)</b> 42  | 9°R42          | 9 <b>8</b> 43  | 29 <b>궁</b> 21 | 1995 2 | 26耳21 | 108 1  | 10 <b>8</b> 5 | 15 <b>₹</b> 9  | 6 <b>)</b> €14 | M 1  |
| T 2  | 14 35 9  | 10°28'37         | 23°11           | 16818          | 16°52          | 6°27           | 9 <b>M</b> .35 | 9°50           | 29°21          | 19° 3  | 26°22 | 10°R 1 | 10° 2         | 15°16          | 6°17           | T 2  |
| W 3  | 14 39 6  | 11°26'50         | 7951            | 15°45          | 18° 3          | 7°11           | 9°27           | 9°58           | 29°21          | 19° 4  | 26°23 | 10° 0  | 9°59          | 15°22          | 6°19           | W 3  |
| T 4  | 14 43 3  | 12°25'01         | 22°15           | 15°10          | 19°13          | 7°56           | 9°20           | 10° 6          | 29°21          | 19° 5  | 26°24 | 10° 0  | 9°55          | 15°29          | 6°21           | T 4  |
| F 5  | 14 46 59 | 13°23'09         | $6\Omega$ 19    | 14°34          | 20°24          | 8°41           | 9°12           | 10°14          | 29°R21         | 19° 6  | 26°26 | 10° 0  | 9°52          | 15°36          | 6°23           | F 5  |
| S 6  | 14 50 56 | 14°21'16         | 20° 2           | 13°57          | 21°34          | 9°25           | 9° 4           | 10°21          | 29°21          | 19° 7  | 26°27 | 10°D 0 | 9°49          | 15°42          | 6°25           | S 6  |
| S 7  | 14 54 52 | 15°19'21         | 3 <b>m</b> ) 25 | 13°19          | 22°44          | 10°10          | 8°57           | 10°29          | 29°21          | 19°8   | 26°28 | 10° 0  | 9°46          | 15°49          | 6°27           | S 7  |
| M 8  | 14 58 49 | 16°17'23         | 16°28           | 12°42          | 23°54          | 10°54          | 8°49           | 10°37          | 29°21          | 19° 9  | 26°29 | 10° 1  | 9°43          | 15°56          | 6°29           | M 8  |
| T 9  | 15 2 45  | 17°15'24         | 29°15           | 12° 6          | 25° 4          | 11°39          | 8°42           | 10°44          | 29°21          | 19°11  | 26°30 | 10° 1  | 9°40          | 16° 2          | 6°31           | T 9  |
| W10  | 15 6 42  | 18°13'23         | 11 <b>≏</b> 47  | 11°32          | 26°14          | 12°23          | 8°34           | 10°52          | 29°21          | 19°12  | 26°31 | 10° 2  | 9°36          | 16° 9          | 6°33           | W10  |
| T 11 | 15 10 38 | 19°11'20         | 24° 7           | 11° 0          | 27°24          | 13° 8          | 8°27           | 11° 0          | 29°20          | 19°13  | 26°32 | 10° 3  | 9°33          | 16°16          | 6°34           | T 11 |
| F 12 | 15 14 35 | 20° 9'15         | 6 <b>M</b> .16  | 10°30          | 28°34          | 13°52          | 8°19           | 11° 7          | 29°20          | 19°14  | 26°34 | 10°R 3 | 9°30          | 16°22          | 6°36           | F 12 |
| S 13 | 15 18 32 | 21° 7'09         | 18°18           | 10° 4          | 29°43          | 14°37          | 8°12           | 11°15          | 29°20          | 19°16  | 26°35 | 10° 3  | 9°27          | 16°29          | 6°38           | S 13 |
| S 14 | 15 22 28 | 22° 5'02         | 14 <b>ح</b> ر0  | 9°42           | 0953           | 15°21          | 8° 5           | 11°22          | 29°19          | 19°17  | 26°36 | 10° 2  | 9°24          | 16°36          | 6°39           | S 14 |
| M15  | 15 26 25 | 23° 2'53         | 12° 5           | 9°23           | 2° 2           | 16° 6          | 7°57           | 11°30          | 29°19          | 19°19  | 26°37 | 10° 1  | 9°20          | 16°42          | 6°41           | M15  |
| T 16 | 15 30 21 | 24° 0'42         | 23°55           | 9° 8           | 3°12           | 16°50          | 7°50           | 11°38          | 29°18          | 19°20  | 26°38 | 9°59   | 9°17          | 16°49          | 6°42           | T 16 |
| W17  | 15 34 18 | 24°58'31         | 5 <b>₹</b> 45   | 8°58           | 4°21           | 17°35          | 7°43           | 11°45          | 29°18          | 19°21  | 26°40 | 9°57   | 9°14          | 16°56          | 6°44           | W17  |
| T 18 | 15 38 14 | 25°56'18         | 17°39           | 8°52           | 5°30           | 18°19          | 7°36           | 11°53          | 29°17          | 19°23  | 26°41 | 9°55   | 9°11          | 17° 3          | 6°45           | T 18 |
| F 19 | 15 42 11 | 26°54'04         | 29°40           | 8°D51          | 6°39           | 19° 3          | 7°29           | 12° 0          | 29°16          | 19°24  | 26°42 | 9°53   | 9° 8          | 17° 9          | 6°47           | F 19 |
| S 20 | 15 46 8  | 27°51'48         | 11 <b>≈</b> 51  | 8°54           | 7°48           | 19°48          | 7°23           | 12° 8          | 29°16          | 19°26  | 26°43 | 9°51   | 9° 5          | 17°16          | 6°48           | S 20 |
| S 21 | 15 50 4  | 28°49'32         | 24°16           | 9° 2           | 8°56           | 20°32          | 7°16           | 12°15          | 29°15          | 19°27  | 26°45 | 9°D50  | 9° 1          | 17°23          | 6°49           | S 21 |
| M22  | 15 54 1  | 29°47'14         | 7 <b>∺</b> 0    | 9°15           | 10° 5          | 21°16          | 7° 9           | 12°23          | 29°14          | 19°29  | 26°46 | 9°50   | 8°58          | 17°29          | 6°50           | M22  |
| T 23 | 15 57 57 | 0∏44'56          | 20° 5           | 9°32           | 11°13          | 22° 0          | 7° 3           | 12°30          | 29°13          | 19°31  | 26°47 | 9°51   | 8°55          | 17°36          | 6°51           | T 23 |
| W24  | 16 1 54  | 1°42'36          | 3 <b>Y</b> 36   | 9°53           | 12°21          | 22°45          | 6°56           | 12°38          | 29°12          | 19°32  | 26°49 | 9°53   | 8°52          | 17°43          | 6°52           | W24  |
| T 25 | 16 5 50  | 2°40'15          | 17°33           | 10°18          | 13°30          | 23°29          | 6°50           | 12°45          | 29°11          | 19°34  | 26°50 | 9°54   | 8°49          | 17°49          | 6°53           | T 25 |
| F 26 | 16 9 47  | 3°37'54          | 1 <b>8</b> 57   | 10°48          | 14°38          | 24°13          | 6°44           | 12°53          | 29°10          | 19°35  | 26°51 | 9°55   | 8°46          | 17°56          | 6°54           | F 26 |
| S 27 | 16 13 43 | 4°35'31          | 16°43           | 11°22          | 15°46          | 24°57          | 6°38           | 13° 0          | 29° 9          | 19°37  | 26°53 | 9°R55  | 8°42          | 18° 3          | 6°55           | S 27 |
| S 28 | 16 17 40 | 5°33'07          | 1 <b>Ⅱ</b> 46   | 12° 0          | 16°53          | 25°41          | 6°32           | 13° 7          | 29° 8          | 19°39  | 26°54 | 9°54   | 8°39          | 18° 9          | 6°56           | S 28 |
| M29  | 16 21 37 | 6°30'43          | 16°57           | 12°42          | 18° 1          | 26°25          | 6°26           | 13°15          | 29° 7          | 19°40  | 26°55 | 9°51   | 8°36          | 18°16          | 6°57           | M29  |
| T 30 | 16 25 33 | 7°28'17          | 295 8           | 13°27          | 19° 8          | 27° 9          | 6°20           | 13°22          | 29° 6          | 19°42  | 26°57 | 9°48   | 8°33          | 18°23          | 6°58           | T 30 |
| W31  | 16 29 30 | 8 <b>Ⅱ</b> 25'50 | 1795 7          | 14 <b>8</b> 17 | 20916          | 27 <b>米</b> 53 | 6 <b>M</b> .15 | 13 <b>8</b> 29 | 29 <b>궁</b> 5  | 199544 | 26耳58 | 9844   | 8 <b>8</b> 30 | 18 <b>×</b> 29 | 6 <b>∺</b> 58  | W31  |

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|------|----------|-----------------|----------------|---------------|-----------------|-----------------|-------|----------------|----------------|--------|----------------|---------------|---------------|-----------------|---------------|------|
| T 1  | 16 33 26 | 9∏23'21         | 1 <b>Ω</b> 47  | 15 <b>8</b> 9 | 219523          | 28 <b>)</b> (37 | 6°R 9 | 13836          | 29°R 3         | 199546 | 26耳59          | 9°R40         | 8 <b>8</b> 27 | 18 <b>∡</b> ³36 | 6 <b>¥</b> 59 | T 1  |
| F 2  | 16 37 23 | 10°20'52        | 16° 3          | 16° 6         | 22°30           | 29°20           | 6M 4  | 13°44          | 29る 2          | 19°48  | 27° 1          | 9 <b>8</b> 37 | 8°23          | 18°43           | 6°59          | F 2  |
| S 3  | 16 41 19 | 11°18'21        | 29°52          | 17° 5         | 23°37           | 0 <b>Υ</b> 4    | 5°59  | 13°51          | 29° 1          | 19°49  | 27° 2          | 9°36          | 8°20          | 18°49           | 7° 0          | S 3  |
| S 4  | 16 45 16 | 12°15'48        | 13 <b>m</b> 15 | 18° 8         | 24°44           | 0°48            | 5°54  | 13°58          | 29° 0          | 19°51  | 27° 4          | 9°D35         | 8°17          | 18°56           | 7° 0          | S 4  |
| M 5  | 16 49 12 | 13°13'14        | 26°14          | 19°14         | 25°50           | 1°31            | 5°49  | 14° 5          | 28°58          | 19°53  | 27° 5          | 9°36          | 8°14          | 19° 3           | 7° 1          | M 5  |
| T 6  | 16 53 9  | 14°10'39        | 8 <b>≏</b> 51  | 20°24         | 26°56           | 2°15            | 5°44  | 14°12          | 28°57          | 19°55  | 27° 6          | 9°37          | 8°11          | 19° 9           | 7° 1          | T 6  |
| W 7  | 16 57 6  | 15° 8'03        | 21°12          | 21°36         | 28° 3           | 2°58            | 5°40  | 14°19          | 28°55          | 19°57  | 27° 8          | 9°39          | 8° 7          | 19°16           | 7° 1          | W 7  |
| T 8  | 17 1 2   | 16° 5'26        | 3M21           | 22°52         | 29° 8           | 3°42            | 5°35  | 14°26          | 28°54          | 19°59  | 27° 9          | 9°40          | 8° 4          | 19°23           | 7° 1          | T 8  |
| F 9  | 17 4 59  | 17° 2'48        | 15°20          | 24°10         | 0Ω14            | 4°25            | 5°31  | 14°33          | 28°52          | 20° 1  | 27°11          | 9°R40         | 8° 1          | 19°29           | 7° 2          | F 9  |
| S 10 | 17 8 55  | 18° 0'09        | 27°13          | 25°32         | 1°20            | 5° 9            | 5°27  | 14°40          | 28°50          | 20° 3  | 27°12          | 9°38          | 7°58          | 19°36           | 7° 2          | S 10 |
| S 11 | 17 12 52 | 18°57'29        | 9 <b>,</b> ₹ 4 | 26°57         | 2°25            | 5°52            | 5°23  | 14°47          | 28°49          | 20° 5  | 27°13          | 9°35          | 7°55          | 19°43           | 7°R 2         | S 11 |
| M12  | 17 16 48 | 19°54'49        | 20°54          | 28°24         | 3°30            | 6°35            | 5°19  | 14°53          | 28°47          | 20° 6  | 27°15          | 9°30          | 7°52          | 19°49           | 7° 2          | M12  |
| T 13 | 17 20 45 | 20°52'07        | 2 <b>る</b> 44  | 29°54         | 4°35            | 7°18            | 5°16  | 15° 0          | 28°45          | 20° 8  | 27°16          | 9°23          | 7°48          | 19°56           | 7° 2          | T 13 |
| W14  | 17 24 41 | 21°49'25        | 14°38          | 1 <b>Ⅲ</b> 28 | 5°40            | 8° 1            | 5°12  | 15° 7          | 28°44          | 20°10  | 27°18          | 9°15          | 7°45          | 20° 3           | 7° 1          | W14  |
| T 15 | 17 28 38 | 22°46'43        | 26°37          | 3° 4          | 6°45            | 8°44            | 5° 9  | 15°14          | 28°42          | 20°12  | 27°19          | 9° 8          | 7°42          | 20°10           | 7° 1          | T 15 |
| F 16 | 17 32 35 | 23°44'00        | 8 <b>≈</b> 43  | 4°43          | 7°49            | 9°27            | 5° 6  | 15°20          | 28°40          | 20°15  | 27°21          | 9° 0          | 7°39          | 20°16           | 7° 1          | F 16 |
| S 17 | 17 36 31 | 24°41'16        | 20°58          | 6°25          | 8°53            | 10°10           | 5° 3  | 15°27          | 28°38          | 20°17  | 27°22          | 8°54          | 7°36          | 20°23           | 7° 1          | S 17 |
| S 18 | 17 40 28 | 25°38'33        | 3 <b>∺</b> 26  | 8° 9          | 9°57            | 10°53           | 5° 0  | 15°33          | 28°36          | 20°19  | 27°23          | 8°50          | 7°32          | 20°30           | 7° 0          | S 18 |
| M19  | 17 44 24 | 26°35'48        | 16° 8          | 9°57          | 11° 0           | 11°36           | 4°57  | 15°40          | 28°35          | 20°21  | 27°25          | 8°47          | 7°29          | 20°36           | 7° 0          | M19  |
| T 20 | 17 48 21 | 27°33'04        | 29°10          | 11°47         | 12° 4           | 12°18           | 4°55  | 15°46          | 28°33          | 20°23  | 27°26          | 8°D47         | 7°26          | 20°43           | 6°59          | T 20 |
| W21  | 17 52 17 | 28°30'19        | 12 <b>Y</b> 33 | 13°40         | 13° 7           | 13° 1           | 4°53  | 15°53          | 28°31          | 20°25  | 27°28          | 8°48          | 7°23          | 20°50           | 6°59          | W21  |
| T 22 | 17 56 14 | 29°27'35        | 26°21          | 15°35         | 14° 9           | 13°43           | 4°51  | 15°59          | 28°29          | 20°27  | 27°29          | 8°49          | 7°20          | 20°56           | 6°58          | T 22 |
| F 23 | 18 0 10  | 0924'50         | 10834          | 17°32         | 15°12           | 14°26           | 4°49  | 16° 5          | 28°27          | 20°29  | 27°31          | 8°R49         | 7°17          | 21° 3           | 6°58          | F 23 |
| S 24 | 18 4 7   | 1°22'05         | 25°12          | 19°32         | 16°14           | 15° 8           | 4°47  | 16°11          | 28°25          | 20°31  | 27°32          | 8°48          | 7°13          | 21°10           | 6°57          | S 24 |
| S 25 | 18 8 4   | 2°19'20         | 10耳 9          | 21°34         | 17°16           | 15°50           | 4°46  | 16°18          | 28°23          | 20°33  | 27°33          | 8°45          | 7°10          | 21°16           | 6°56          | S 25 |
| M26  | 18 12 0  | 3°16'35         | 25°20          | 23°38         | 18°18           | 16°33           | 4°44  | 16°24          | 28°21          | 20°35  | 27°35          | 8°39          | 7° 7          | 21°23           | 6°55          | M26  |
| T 27 | 18 15 57 | 4°13'50         | 10935          | 25°44         | 19°19           | 17°15           | 4°43  | 16°30          | 28°18          | 20°38  | 27°36          | 8°32          | 7° 4          | 21°30           | 6°54          | T 27 |
| W28  | 18 19 53 | 5°11'04         | 25°42          | 27°52         | 20°20           | 17°57           | 4°42  | 16°36          | 28°16          | 20°40  | 27°38          | 8°24          | 7° 1          | 21°36           | 6°54          | W28  |
| T 29 | 18 23 50 | 6° 8'18         | $10\Omega 32$  | 099 0         | 21°21           | 18°38           | 4°41  | 16°42          | 28°14          | 20°42  | 27°39          | 8°15          | 6°58          | 21°43           | 6°53          | T 29 |
| F 30 | 18 27 46 | 7 <b>9</b> 5'32 | $24\Omega58$   | 29910         | $22\Omega_{22}$ | 19 <b>Y</b> 20  | 4ML41 | 16 <b>8</b> 48 | 28 <b>궁</b> 12 | 209544 | 27 <b>Ⅱ</b> 41 | 8 <b>8</b> 8  | 6 <b>8</b> 54 | 21 <b>×</b> 750 | 6 <b>¥</b> 52 | F 30 |

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| Day  | Sid.t    | 0                  | D              | ğ              | ·              | ð             | 4              | ħ              | )f(            | ¥      | В              | ß             | ಬ             | ţ               | ę,             | Day  |
|------|----------|--------------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|--------|----------------|---------------|---------------|-----------------|----------------|------|
| S 1  | 18 31 43 | 89 2'45            | 8 <b>m</b> /55 | 4920           | 23 <b>1</b> 22 | 20 <b>°</b> 2 | 4°R40          | 16 <b>8</b> 53 | 28°R10         | 209346 | 27 <b>Ⅱ</b> 42 | 8°R 3         | 6 <b>8</b> 51 | 21 <b>×</b> 756 | 6°R50          | S 1  |
| S 2  | 18 35 40 | 8°59'57            | 22°22          | 6°30           | 24°21          | 20°43         | 4 <b>M</b> .40 | 16°59          | 28궁 8          | 20°48  | 27°43          | 7 <b>8</b> 59 | 6°48          | 22° 3           | 6 <b>){</b> 49 | S 2  |
| M 3  | 18 39 36 | 9°57'10            | 5 <b>₾</b> 23  | 8°41           | 25°21          | 21°25         | 4°D40          | 17° 5          | 28° 5          | 20°51  | 27°45          | 7°D58         | 6°45          | 22°10           | 6°48           | M 3  |
| T 4  | 18 43 33 | 10°54'22           | 17°59          | 10°52          | 26°20          | 22° 6         | 4°40           | 17°10          | 28° 3          | 20°53  | 27°46          | 7°58          | 6°42          | 22°17           | 6°47           | T 4  |
| W 5  | 18 47 29 | 11°51'33           | 0 <b>M</b> .17 | 13° 2          | 27°18          | 22°47         | 4°40           | 17°16          | 28° 1          | 20°55  | 27°48          | 7°59          | 6°38          | 22°23           | 6°46           | W 5  |
| T 6  | 18 51 26 | 12°48'45           | 12°20          | 15°11          | 28°17          | 23°29         | 4°41           | 17°21          | 27°59          | 20°57  | 27°49          | 7°R59         | 6°35          | 22°30           | 6°44           | T 6  |
| F 7  | 18 55 22 | 13°45'56           | 24°15          | 17°20          | 29°14          | 24°10         | 4°42           | 17°27          | 27°56          | 20°59  | 27°50          | 7°58          | 6°32          | 22°37           | 6°43           | F 7  |
| S 8  | 18 59 19 | 14°43'08           | 6 <b>₹</b> 5   | 19°27          | 0 Mp 12        | 24°50         | 4°42           | 17°32          | 27°54          | 21° 2  | 27°52          | 7°54          | 6°29          | 22°43           | 6°41           | S 8  |
| S 9  | 19 3 15  | 15°40'19           | 17°54          | 21°33          | 1° 9           | 25°31         | 4°43           | 17°37          | 27°52          | 21° 4  | 27°53          | 7°48          | 6°26          | 22°50           | 6°40           | S 9  |
| M10  | 19 7 12  | 16°37'30           | 29°44          | 23°38          | 2° 5           | 26°12         | 4°45           | 17°43          | 27°49          | 21° 6  | 27°55          | 7°39          | 6°23          | 22°57           | 6°38           | M10  |
| T 11 | 19 11 9  | 17°34'41           | 11 <b>る</b> 39 | 25°42          | 3° 1           | 26°52         | 4°46           | 17°48          | 27°47          | 21° 8  | 27°56          | 7°29          | 6°19          | 23° 3           | 6°37           | T 11 |
| W12  | 19 15 5  | 18°31'53           | 23°40          | 27°43          | 3°56           | 27°33         | 4°47           | 17°53          | 27°45          | 21°11  | 27°57          | 7°16          | 6°16          | 23°10           | 6°35           | W12  |
| T 13 | 19 19 2  | 19°29'05           | 5 <b>≈</b> 48  | 29°43          | 4°51           | 28°13         | 4°49           | 17°58          | 27°42          | 21°13  | 27°59          | 7° 4          | 6°13          | 23°17           | 6°33           | T 13 |
| F 14 | 19 22 58 | 20°26'17           | 18° 4          | $1\Omega42$    | 5°46           | 28°53         | 4°51           | 18° 3          | 27°40          | 21°15  | 28° 0          | 6°52          | 6°10          | 23°23           | 6°32           | F 14 |
| S 15 | 19 26 55 | 21°23'29           | 0 <b>∺</b> 29  | 3°38           | 6°40           | 29°33         | 4°53           | 18° 7          | 27°37          | 21°17  | 28° 1          | 6°42          | 6° 7          | 23°30           | 6°30           | S 15 |
| S 16 | 19 30 51 | 22°20'42           | 13° 6          | 5°33           | 7°33           | 0 <b>8</b> 13 | 4°55           | 18°12          | 27°35          | 21°19  | 28° 3          | 6°34          | 6° 4          | 23°37           | 6°28           | S 16 |
| M17  | 19 34 48 | 23°17'56           | 25°54          | 7°26           | 8°26           | 0°53          | 4°58           | 18°17          | 27°33          | 21°22  | 28° 4          | 6°29          | 6° 0          | 23°43           | 6°26           | M17  |
| T 18 | 19 38 44 | 24°15'10           | 8 <b>Ƴ</b> 58  | 9°17           | 9°18           | 1°33          | 5° 0           | 18°21          | 27°30          | 21°24  | 28° 5          | 6°26          | 5°57          | 23°50           | 6°24           | T 18 |
| W19  | 19 42 41 | 25°12'25           | 22°19          | 11° 7          | 10° 9          | 2°12          | 5° 3           | 18°26          | 27°28          | 21°26  | 28° 7          | 6°D25         | 5°54          | 23°57           | 6°22           | W19  |
| T 20 | 19 46 38 | 26° 9'40           | 6 <b>8</b> 0   | 12°54          | 11° 0          | 2°52          | 5° 6           | 18°30          | 27°25          | 21°28  | 28° 8          | 6°R26         | 5°51          | 24° 4           | 6°20           | T 20 |
| F 21 | 19 50 34 | 27° 6'57           | 20° 2          | 14°40          | 11°51          | 3°31          | 5° 9           | 18°35          | 27°23          | 21°31  | 28° 9          | 6°25          | 5°48          | 24°10           | 6°18           | F 21 |
| S 22 | 19 54 31 | 28° 4'14           | 4 <b>Ⅱ</b> 25  | 16°24          | 12°40          | 4°10          | 5°12           | 18°39          | 27°21          | 21°33  | 28°11          | 6°23          | 5°44          | 24°17           | 6°16           | S 22 |
| S 23 | 19 58 27 | 29° 1'33           | 19° 7          | 18° 6          | 13°29          | 4°49          | 5°16           | 18°43          | 27°18          | 21°35  | 28°12          | 6°19          | 5°41          | 24°24           | 6°14           | S 23 |
| M24  | 20 2 24  | 29°58'52           | 495 4          | 19°46          | 14°17          | 5°27          | 5°19           | 18°47          | 27°16          | 21°37  | 28°13          | 6°11          | 5°38          | 24°30           | 6°12           | M24  |
| T 25 | 20 6 20  | $0$ $\Omega$ 56'12 | 19° 7          | 21°25          | 15° 4          | 6° 6          | 5°23           | 18°51          | 27°13          | 21°39  | 28°14          | 6° 2          | 5°35          | 24°37           | 6°10           | T 25 |
| W26  | 20 10 17 | 1°53'32            | 4 <b>N</b> 6   | 23° 1          | 15°51          | 6°44          | 5°27           | 18°55          | 27°11          | 21°42  | 28°16          | 5°51          | 5°32          | 24°44           | 6° 7           | W26  |
| T 27 | 20 14 13 | 2°50'53            | 18°53          | 24°36          | 16°37          | 7°22          | 5°31           | 18°59          | 27° 9          | 21°44  | 28°17          | 5°40          | 5°29          | 24°50           | 6° 5           | T 27 |
| F 28 | 20 18 10 | 3°48'15            | 3 <b>m</b> 19  | 26° 9          | 17°21          | 8° 1          | 5°36           | 19° 3          | 27° 6          | 21°46  | 28°18          | 5°30          | 5°25          | 24°57           | 6° 3           | F 28 |
| S 29 | 20 22 7  | 4°45'37            | 17°18          | 27°40          | 18° 5          | 8°38          | 5°40           | 19° 7          | 27° 4          | 21°48  | 28°19          | 5°22          | 5°22          | 25° 4           | 6° 0           | S 29 |
| S 30 | 20 26 3  | 5°43'00            | 0 <b>ჲ</b> 49  | 29°10          | 18°48          | 9°16          | 5°45           | 19°10          | 27° 1          | 21°50  | 28°20          | 5°17          | 5°19          | 25°10           | 5°58           | S 30 |
| M31  | 20 30 0  | 6 <b>Ω</b> 40′23   | 13 <b>≏</b> 52 | 0 <b>m</b> ,37 | 19 <b>m</b> 30 | 9 <b>8</b> 53 | 5 <b>M</b> 49  | 19814          | 26 <b>ප</b> 59 | 21953  | 28Ⅲ22          | 5 <b>8</b> 14 | 5 <b>8</b> 16 | 25 <b>×</b> 17  | 5 <b>¥</b> 56  | M31  |

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|      |                      |                       |                   |                | _                       |                         | _                     | _                       | _                       | _                       | _                        |                       |                       |                          |                        |              |
|------|----------------------|-----------------------|-------------------|----------------|-------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-------------------------|--------------------------|-----------------------|-----------------------|--------------------------|------------------------|--------------|
| Day  | Sid.t                | 0                     | D                 | ğ              | Ş                       | ď                       | 4                     | ħ                       | )ф(                     | ħ                       | В                        | U                     | ಬ                     | ţ                        | o<br>k                 | Day          |
| T 1  | 20 33 56             | 7 <b>Ω</b> 37'47      | 26 <b>₽</b> 31    | 2 Mg 3         | 20 <b>m</b> 11          | 10831                   | 5 <b>M</b> .54        | 19 <b>8</b> 17          | 26°R57                  | 219555                  | 28∏23                    | 5°R13                 | 5 <b>8</b> 13         | 25 <b>×</b> 24           | 5°R53                  | T 1          |
|      | 20 37 53             | 8°35'11               | 8 <b>M</b> .50    | 3°27           | 20°51                   | 11°8                    | 5°59                  | 19°20                   | 26 <b>궁</b> 54          | 21°57                   | 28°24                    | 5 <b>8</b> 13         | 5°10                  | 25°30                    | 5 <b>₩</b> 51          | W 2          |
| -    | 20 41 49             | 9°32'37               | 20°53             | 4°49           | 21°30                   | 11°45                   | 6° 4                  | 19°24                   | 26°52                   | 21°59                   | 28°25                    | 5°12                  | 5° 6                  | 25°37                    | 5°48                   | T 3          |
|      | 20 45 46             | 10°30'02              | 2 <b>,</b> 748    | 6° 9           | 22° 8                   | 12°21                   | 6°10                  | 19°27                   | 26°50                   | 22° 1                   | 28°26                    | 5°11                  | 5° 3                  | 25°44                    | 5°46                   | F 4          |
| S 5  | 20 49 42             | 11°27'29              | 14°38             | 7°27           | 22°45                   | 12°58                   | 6°15                  | 19°30                   | 26°47                   | 22° 3                   | 28°27                    | 5° 7                  | 5° 0                  | 25°51                    | 5°43                   | S 5          |
| S 6  | 20 53 39             | 12°24'56              | 26°28             | 8°42           | 23°20                   | 13°34                   | 6°21                  | 19°33                   | 26°45                   | 22° 5                   | 28°28                    | 5° 1                  | 4°57                  | 25°57                    | 5°41                   | S 6          |
| M 7  | 20 57 36             | 13°22'25              | 8 <b>국</b> 21     | 9°56           | 23°54                   | 14°10                   | 6°27                  | 19°35                   | 26°43                   | 22° 8                   | 28°29                    | 4°52                  | 4°54                  | 26° 4                    | 5°38                   | M 7          |
| -    | 21 1 32              | 14°19'54              | 20°22             | 11° 8          | 24°27                   | 14°46                   | 6°33                  | 19°38                   | 26°41                   | 22°10                   | 28°30                    | 4°41                  | 4°50                  | 26°11                    | 5°35                   | T 8          |
|      | 21 5 29              | 15°17'24              | 2≈32              | 12°17          | 24°58                   | 15°22                   | 6°39                  | 19°41                   | 26°38                   | 22°12                   | 28°32                    | 4°28                  | 4°47                  | 26°17                    | 5°33                   | W 9          |
|      | 21 9 25              | 16°14'55              | 14°52             | 13°24          | 25°28                   | 15°57                   | 6°45                  | 19°43                   | 26°36                   | 22°14                   | 28°33                    | 4°15                  | 4°44                  | 26°24                    | 5°30                   | T 10         |
|      | 21 13 22             | 17°12'27              | 27°22             | 14°29          | 25°57                   | 16°33                   | 6°51                  | 19°46                   | 26°34                   | 22°16                   | 28°34                    | 4° 3                  | 4°41                  | 26°31                    | 5°27                   | F 11         |
| S 12 | 21 17 18             | 18°10'00              | 10 <b>米</b> 3     | 15°31          | 26°24                   | 17° 8                   | 6°58                  | 19°48                   | 26°32                   | 22°18                   | 28°35                    | 3°52                  | 4°38                  | 26°37                    | 5°25                   | S 12         |
| S 13 | 21 21 15             | 19° 7'35              | 22°56             | 16°30          | 26°49                   | 17°42                   | 7° 5                  | 19°50                   | 26°30                   | 22°20                   | 28°36                    | 3°44                  | 4°35                  | 26°44                    | 5°22                   | S 13         |
|      | 21 25 11             | 20° 5'10              | 5 <b>Υ</b> 59     | 17°27          | 27°13                   | 18°17                   | 7°11                  | 19°53                   | 26°27                   | 22°22                   | 28°37                    | 3°39                  | 4°31                  | 26°51                    | 5°19                   | M14          |
| -    | 21 29 8              | 21° 2'48              | 19°15             | 18°21          | 27°35                   | 18°51                   | 7°18                  | 19°55                   | 26°25                   | 22°24                   | 28°38                    | 3°36                  | 4°28                  | 26°58                    | 5°16                   | T 15         |
|      | 21 33 5              | 22° 0'26              | 2 <b>8</b> 43     | 19°11          | 27°55                   | 19°25                   | 7°25                  | 19°57                   | 26°23                   | 22°26                   | 28°38                    | 3°D35                 | 4°25                  | 27° 4                    | 5°13                   | W16          |
|      | 21 37 1              | 22°58'07              | 16°25             | 19°59          | 28°13                   | 19°59                   | 7°33                  | 19°58                   | 26°21                   | 22°28                   | 28°39                    | 3°R35                 | 4°22                  | 27°11                    | 5°11                   | T 17         |
| -    | 21 40 58             | 23°55'49              | 0 <b>∏</b> 21     | 20°43          | 28°30                   | 20°32                   | 7°40                  | 20° 0                   | 26°19                   | 22°30                   | 28°40                    | 3°35                  | 4°19                  | 27°18                    | 5° 8<br>5° 5           | F 18         |
| S 19 | 21 44 54             | 24°53'33              | 14°33             | 21°23          | 28°44                   | 21° 6                   | 7°47                  | 20° 2                   | 26°17                   | 22°32                   | 28°41                    | 3°34                  | 4°16                  | 27°24                    |                        | S 19         |
|      | 21 48 51             | 25°51'18              | 28°58             | 22° 0          | 28°57                   | 21°39                   | 7°55                  | 20° 3                   | 26°15                   | 22°34                   | 28°42                    | 3°30                  | 4°12                  | 27°31                    | 5° 2                   | S 20         |
|      | 21 52 47             | 26°49'05              | 13933             | 22°32          | 29° 8                   | 22°11                   | 8° 3                  | 20° 5                   | 26°13                   | 22°36                   | 28°43                    | 3°24                  | 4° 9                  | 27°38                    | 4°59                   | M21          |
|      | 21 56 44             | 27°46'54              | 28°14             | 23° 1          | 29°16                   | 22°44                   | 8°10                  | 20° 6                   | 26°11                   | 22°38                   | 28°44                    | 3°16                  | 4° 6                  | 27°44                    | 4°56                   | T 22         |
|      | 22 0 40              | 28°44'44              | 12\$\Omega_52\$   | 23°25          | 29°23                   | 23°16                   | 8°18                  | 20° 7                   | 26° 9                   | 22°40                   | 28°45                    | 3° 6                  | 4° 3                  | 27°51                    | 4°53                   | W23          |
|      | 22 4 37              | 29°42'36              | 27°21             | 23°44          | 29°27                   | 23°47                   | 8°27                  | 20° 8<br>20° 9          | 26° 7                   | 22°41                   | 28°45<br>28°46           | 2°56<br>2°48          | 4° 0                  | 27°58                    | 4°51                   | T 24         |
| -    | 22 8 34<br>22 12 30  | 0 Mp 40'29<br>1°38'24 | 11 Mp 34<br>25°25 | 23°58<br>24° 7 | 29°R29<br>29°28         | 24°19<br>24°50          | 8°35<br>8°43          | 20° 9<br>20°10          | 26° 6<br>26° 4          | 22°43<br>22°45          | 28°46<br>28°47           | 2°48<br>2°40          | 3°56<br>3°53          | 28° 4<br>28°11           | 4°48<br>4°45           | F 25<br>S 26 |
|      |                      |                       |                   |                |                         |                         |                       |                         | -                       | _                       |                          | _                     |                       |                          |                        |              |
|      | 22 16 27             | 2°36'20               | 8 <b>≏</b> 52     | 24°R10         | 29°25                   | 25°21                   | 8°51                  | 20°11                   | 26° 2                   | 22°47                   | 28°48                    | 2°36                  | 3°50                  | 28°18                    | 4°42                   | S 27         |
| -    | 22 20 23             | 3°34'17               | 21°54             | 24° 8          | 29°20                   | 25°51                   | 9° 0                  | 20°12                   | 26° 0                   | 22°49                   | 28°48                    | 2°33                  | 3°47                  | 28°25                    | 4°39                   | M28          |
| -    | 22 24 20             | 4°32'16               | 4MJ34             | 24° 0          | 29°13                   | 26°21                   | 9° 9                  | 20°12                   | 25°58                   | 22°51                   | 28°49                    | 2°D33                 | 3°44                  | 28°31                    | 4°36                   | T 29         |
|      | 22 28 16<br>22 32 13 | 5°30'16               | 16°54<br>29M 0    | 23°45          | 29° 3<br>28 <b>m</b> 51 | 26°51<br>27 <b>8</b> 21 | 9°18<br>9 <b>™</b> 26 | 20°13<br>20 <b>8</b> 13 | 25°57<br>25 <b>⋜</b> 55 | 22°52<br>22 <b>©</b> 54 | 28°50<br>28 <b>II</b> 50 | 2°33<br>2 <b>8</b> 34 | 3°41<br>3 <b>8</b> 37 | 28°38<br>28 <b>×</b> 745 | 4°33<br>4 <b>)</b> €30 | W30<br>T 31  |
| 1 31 | 22 32 13             | 6Mp28'17              | ∠911 <b>6</b> 0   | 23 m/25        | 1د پیا ہ∠               | 2/021                   | 911626                | 20013                   | 23033                   | 22934                   | ∠8Щ30                    | 2034                  | 303/                  | ∠8 <b>X'</b> 43          | 4 <b>π</b> 30          | 131          |

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| Day          | Sid.t                | 0                    | D                       | ğ              | P              | ð                     | 4                 | ħ              | )∤(            | ¥              | Р              | ₽.            | ß             | Ç                 | ę,            | Day          |
|--------------|----------------------|----------------------|-------------------------|----------------|----------------|-----------------------|-------------------|----------------|----------------|----------------|----------------|---------------|---------------|-------------------|---------------|--------------|
| F 1          | 22 36 9              | 7 Mg 26'20           | 10 <b>×</b> 756         | 22°R58         | 28°R36         | 27 <b>8</b> 50        | 9 <b>M</b> .35    | 20813          | 25°R54         | 22956          | 28耳51          | 2°R34         | 3 <b>8</b> 34 | 28 <b>×</b> 751   | 4°R27         | F 1          |
| S 2          | 22 40 6              | 8°24'24              | 22°47                   | 22 Mg 26       | 28 Mp 19       | 28°19                 | 9°45              | 20°14          | 25 <b>る</b> 52 | 22°57          | 28°52          | 2 <b>8</b> 33 | 3°31          | 28°58             | 4 <b>∺</b> 24 | S 2          |
| S 3          | 22 44 3              | 9°22'30              | 4 <b>る</b> 39           | 21°47          | 28° 0          | 28°47                 | 9°54              | 20°R14         | 25°50          | 22°59          | 28°52          | 2°30          | 3°28          | 29° 5             | 4°22          | S 3          |
| M 4          | 22 47 59             | 10°20'37             | 16°35                   | 21° 3          | 27°38          | 29°15                 | 10° 3             | 20°14          | 25°49          | 23° 1          | 28°53          | 2°24          | 3°25          | 29°11             | 4°19          | M 4          |
| T 5          | 22 51 56             | 11°18'46             | 28°41                   | 20°15          | 27°15          | 29°43                 | 10°13             | 20°13          | 25°47          | 23° 2          | 28°53          | 2°17          | 3°22          | 29°18             | 4°16          | T 5<br>W 6   |
| W 6<br>T 7   | 22 55 52<br>22 59 49 | 12°16'56<br>13°15'08 | 10 <b>≈</b> 59<br>23°30 | 19°21<br>18°25 | 26°49<br>26°21 | 0 <b>Ⅱ</b> 10<br>0°37 | 10°22<br>10°32    | 20°13<br>20°13 | 25°46<br>25°45 | 23° 4<br>23° 6 | 28°54<br>28°54 | 2° 9<br>2° 0  | 3°18<br>3°15  | 29°25<br>29°32    | 4°13<br>4°10  | W 6          |
| F 8          | 23 3 45              | 13 13 08<br>14°13'21 | 6 <b>¥</b> 16           | 17°26          | 25°52          | 1° 3                  | 10°32             | 20°12          | 25°43          | 23° 7          | 28°55          | 1°51          | 3°12          | 29°38             | 4° 7          | F 8          |
| S 9          | 23 7 42              | 15°11'36             | 19°16                   | 16°26          | 25°20          | 1°29                  | 10°51             | 20°12          | 25°42          | 23° 9          | 28°55          | 1°44          | 3° 9          | 29°45             | 4° 4          | S 9          |
| S 10         | 23 11 38             | 16° 9'53             | 2 <b>Υ</b> 29           | 15°26          | 24°48          | 1°55                  | 11° 1             | 20°11          | 25°41          | 23°10          | 28°56          | 1°39          | 3° 6          | 29°52             | 4° 1          | S 10         |
| M11          | 23 15 35             | 17° 8'12             | 15°55                   | 14°28          | 24°14          | 2°20                  | 11°11             | 20°10          | 25°40          | 23°12          | 28°56          | 1°35          | 3° 2          | 29°58             | 3°59          | M11          |
| T 12         | 23 19 32             | 18° 6'32             | 29°32                   | 13°33          | 23°39          | 2°44                  | 11°21             | 20° 9          | 25°38          | 23°13          | 28°57          | 1°D34         | 2°59          | 0중 5              | 3°56          | T 12         |
| W13          | 23 23 28             | 19° 4'55             | 13818                   | 12°42          | 23° 3          | 3° 9                  | 11°32             | 20° 8          | 25°37          | 23°14          | 28°57          | 1°35          | 2°56          | 0°12              | 3°53          | W13          |
| T 14         | 23 27 25             | 20° 3'20             | 27°13                   | 11°56          | 22°26          | 3°33                  | 11°42             | 20° 7          | 25°36          | 23°16          | 28°58          | 1°36          | 2°53          | 0°18              | 3°50          | T 14         |
| F 15<br>S 16 | 23 31 21<br>23 35 18 | 21° 1'47<br>22° 0'17 | 11 <b>Ⅱ</b> 15<br>25°23 | 11°17<br>10°46 | 21°49<br>21°12 | 3°56<br>4°19          | 11°52<br>12° 3    | 20° 6<br>20° 4 | 25°35<br>25°34 | 23°17<br>23°19 | 28°58<br>28°58 | 1°37<br>1°R38 | 2°50<br>2°47  | 0°25<br>0°32      | 3°48<br>3°45  | F 15<br>S 16 |
| S 17         | 23 39 14             | 22°58'49             | 9937                    | 10°23          | 20°35          | 4°41                  | 12°13             | 20° 3          | 25°33          | 23°20          | 28°59          | 1°36          | 2°43          | 0°39              | 3°42          | S 17         |
| M18          | 23 43 11             | 22 38 49<br>23°57'22 | 23°53                   | 10°23          | 19°59          | 5° 3                  | 12°24             | 20° 3          | 25°32          | 23°21          | 28°59          | 1°34          | 2°40          | 0°45              | 3°40          | M18          |
| T 19         | 23 47 7              | 24°55'58             | 8 <b>0</b> 8            | 10°D 5         | 19°23          | 5°24                  | 12°35             | 20° 0          | 25°31          | 23°23          | 28°59          | 1°29          | 2°37          | 0°52              | 3°37          | T 19         |
| W20          | 23 51 4              | 25°54'37             | 22°19                   | 10°11          | 18°47          | 5°45                  | 12°46             | 19°58          | 25°31          | 23°24          | 28°59          | 1°24          | 2°34          | 0°59              | 3°34          | W20          |
| T 21         | 23 55 1              | 26°53'17             | 6Mp22                   | 10°26          | 18°13          | 6° 5                  | 12°57             | 19°56          | 25°30          | 23°25          | 29° 0          | 1°18          | 2°31          | 1° 5              | 3°32          | T 21         |
| F 22         | 23 58 57             | 27°51'59             | 20°11                   | 10°51          | 17°40          | 6°25                  | 13° 8             | 19°54          | 25°29          | 23°26          | 29° 0          | 1°13          | 2°28          | 1°12              | 3°29          | F 22         |
| S 23         | 0 2 54               | 28°50'43             | 3 <b>≏</b> 43           | 11°25          | 17° 8          | 6°44                  | 13°19             | 19°52          | 25°28          | 23°27          | 29° 0          | 1° 9          | 2°24          | 1°19              | 3°27          | S 23         |
| S 24         | 0 6 50               | 29°49'29             | 16°57                   | 12° 8          | 16°38          | 7° 2                  | 13°30             | 19°50          | 25°28          | 23°28          | 29° 0          | 1° 7          | 2°21          | 1°25              | 3°24          | S 24         |
| M25          | 0 10 47              | 0 <b>ჲ</b> 48'17     | 29°51                   | 12°59          | 16°10          | 7°20                  | 13°41             | 19°48          | 25°27          | 23°30          | 29° 0          | 1°D 6         | 2°18          | 1°32              | 3°22          | M25          |
| T 26         | 0 14 43              | 1°47'07              | 12 <b>M</b> 27          | 13°58          | 15°44          | 7°37                  | 13°52             | 19°45          | 25°27          | 23°31          | 29° 0          | 1° 7          | 2°15          | 1°39              | 3°19          | T 26         |
| W27<br>T 28  | 0 18 40<br>0 22 36   | 2°45'59<br>3°44'53   | 24°46<br>6 <b>×</b> 751 | 15° 4<br>16°17 | 15°20<br>14°57 | 7°54<br>8°10          | 14° 4<br>14°15    | 19°43<br>19°40 | 25°26<br>25°26 | 23°32<br>23°33 | 29° 0<br>29° 0 | 1° 8<br>1°10  | 2°12<br>2° 8  | 1°46<br>1°52      | 3°17<br>3°14  | W27<br>T 28  |
| F 29         | 0 22 36 0 26 33      | 4°43'48              | 18°48                   | 17°35          | 14°37          | 8°25                  | 14°13             | 19°40<br>19°38 | 25°25          | 23°34          | 29° 0          | 1°10          | 2° 5          | 1°52<br>1°59      | 3°12          | F 29         |
| S 30         | 0 30 30              | 5 <b>₽</b> 42'46     | 0 <b>중</b> 40           | 18 m 58        | 14 m 20        | 8 <b>I</b> I40        | 14 27<br>14 ML 38 | 19835          | 25 <b>3</b> 25 | 23935          | 29°R 0         | 1°R12         | 28 2          | 2 <del>ර්</del> 6 | 3 <b>)</b> 12 | S 30         |

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| Day  | Sid.t   | 0                | D              | ğ               | φ              | ð             | 4             | ħ              | )ұ(            | ¥      | Р      | v             | Ω             | Ç             | ç             | Day  |
|------|---------|------------------|----------------|-----------------|----------------|---------------|---------------|----------------|----------------|--------|--------|---------------|---------------|---------------|---------------|------|
| S 1  | 0 34 26 | 6 <b>₽</b> 41'45 | 12 <b>る</b> 33 | 20 <b>m</b> 26  | 14°R 4         | 8П54          | 14ML50        | 19°R32         | 25°R25         | 23936  | 29°R 0 | 1°R12         | 1 <b>8</b> 59 | 2 <b>る</b> 12 | 3°R 7         | S 1  |
| M 2  | 0 38 23 | 7°40'45          | 24°30          | 21°58           | 13 <b>m</b> 51 | 9° 7          | 15° 2         | 19829          | 25 <b>る</b> 25 | 23°36  | 29耳 0  | 1811          | 1°56          | 2°19          | 3 <b>米</b> 5  | M 2  |
| T 3  | 0 42 19 | 8°39'48          | 6≈37           | 23°32           | 13°41          | 9°20          | 15°13         | 19°26          | 25°24          | 23°37  | 29° 0  | 1° 9          | 1°53          | 2°26          | 3° 3          | T 3  |
| W 4  | 0 46 16 | 9°38'52          | 18°58          | 25°10           | 13°33          | 9°32          | 15°25         | 19°23          | 25°24          | 23°38  | 29° 0  | 1° 6          | 1°49          | 2°32          | 3° 1          | W 4  |
| T 5  | 0 50 12 | 10°37'58         | 1 <b>米</b> 36  | 26°50           | 13°27          | 9°43          | 15°37         | 19°20          | 25°24          | 23°39  | 29° 0  | 1° 3          | 1°46          | 2°39          | 2°59          | T 5  |
| F 6  | 0 54 9  | 11°37'06         | 14°32          | 28°31           | 13°24          | 9°53          | 15°49         | 19°17          | 25°D24         | 23°40  | 29° 0  | 1° 0          | 1°43          | 2°46          | 2°56          | F 6  |
| S 7  | 0 58 5  | 12°36'16         | 27°48          | 0 <b>ჲ</b> 14   | 13°D23         | 10° 3         | 16° 1         | 19°13          | 25°24          | 23°40  | 29° 0  | 0°57          | 1°40          | 2°53          | 2°54          | S 7  |
| S 8  | 1 2 2   | 13°35'28         | 11 <b>Y</b> 22 | 1°57            | 13°24          | 10°12         | 16°13         | 19°10          | 25°24          | 23°41  | 29° 0  | 0°56          | 1°37          | 2°59          | 2°52          | S 8  |
| M 9  | 1 5 58  | 14°34'42         | 25°13          | 3°42            | 13°28          | 10°20         | 16°25         | 19° 6          | 25°24          | 23°42  | 29° 0  | 0°D55         | 1°33          | 3° 6          | 2°50          | M 9  |
| T 10 | 1 9 55  | 15°33'58         | 9 <b>8</b> 17  | 5°27            | 13°35          | 10°28         | 16°38         | 19° 3          | 25°25          | 23°42  | 28°59  | 0°55          | 1°30          | 3°13          | 2°49          | T 10 |
| W11  | 1 13 52 | 16°33'16         | 23°30          | 7°12            | 13°43          | 10°34         | 16°50         | 18°59          | 25°25          | 23°43  | 28°59  | 0°56          | 1°27          | 3°19          | 2°47          | W11  |
| T 12 | 1 17 48 | 17°32'37         | 7 <b>Ⅱ</b> 48  | 8°57            | 13°54          | 10°40         | 17° 2         | 18°56          | 25°25          | 23°43  | 28°59  | 0°57          | 1°24          | 3°26          | 2°45          | T 12 |
| F 13 | 1 21 45 | 18°32'00         | 22° 8          | 10°42           | 14° 7          | 10°45         | 17°15         | 18°52          | 25°25          | 23°44  | 28°59  | 0°58          | 1°21          | 3°33          | 2°43          | F 13 |
| S 14 | 1 25 41 | 19°31'25         | 6926           | 12°27           | 14°22          | 10°49         | 17°27         | 18°48          | 25°26          | 23°45  | 28°58  | 0°58          | 1°18          | 3°40          | 2°41          | S 14 |
| S 15 | 1 29 38 | 20°30'52         | 20°39          | 14°12           | 14°39          | 10°53         | 17°39         | 18°44          | 25°26          | 23°45  | 28°58  | 0°R59         | 1°14          | 3°46          | 2°40          | S 15 |
| M16  | 1 33 34 | 21°30'22         | $4\Omega 44$   | 15°56           | 14°58          | 10°55         | 17°52         | 18°40          | 25°27          | 23°45  | 28°58  | 0°58          | 1°11          | 3°53          | 2°38          | M16  |
| T 17 | 1 37 31 | 22°29'55         | 18°41          | 17°40           | 15°18          | 10°57         | 18° 4         | 18°36          | 25°27          | 23°46  | 28°57  | 0°58          | 1°8           | 4° 0          | 2°36          | T 17 |
| W18  | 1 41 27 | 23°29'29         | 2 Mp 28        | 19°24           | 15°41          | 10°R58        | 18°17         | 18°32          | 25°28          | 23°46  | 28°57  | 0°57          | 1° 5          | 4° 6          | 2°35          | W18  |
| T 19 | 1 45 24 | 24°29'06         | 16° 2          | 21° 7           | 16° 6          | 10°58         | 18°30         | 18°28          | 25°28          | 23°46  | 28°56  | 0°56          | 1° 2          | 4°13          | 2°33          | T 19 |
| F 20 | 1 49 21 | 25°28'44         | 29°24          | 22°49           | 16°32          | 10°57         | 18°42         | 18°23          | 25°29          | 23°47  | 28°56  | 0°55          | 0°59          | 4°20          | 2°32          | F 20 |
| S 21 | 1 53 17 | 26°28'25         | 12 <b>≏</b> 32 | 24°31           | 17° 0          | 10°55         | 18°55         | 18°19          | 25°30          | 23°47  | 28°56  | 0°55          | 0°55          | 4°26          | 2°31          | S 21 |
| S 22 | 1 57 14 | 27°28'09         | 25°26          | 26°12           | 17°30          | 10°52         | 19° 8         | 18°15          | 25°31          | 23°47  | 28°55  | 0°D55         | 0°52          | 4°33          | 2°29          | S 22 |
| M23  | 2 1 10  | 28°27'54         | 8 <b>M</b> 6   | 27°53           | 18° 1          | 10°48         | 19°21         | 18°10          | 25°32          | 23°47  | 28°55  | 0°55          | 0°49          | 4°40          | 2°28          | M23  |
| T 24 | 2 5 7   | 29°27'41         | 20°31          | 29°33           | 18°33          | 10°44         | 19°33         | 18° 6          | 25°32          | 23°48  | 28°54  | 0°55          | 0°46          | 4°47          | 2°27          | T 24 |
| W25  | 2 9 3   | 0M27'30          | 2 <b>₹</b> 45  | 1 <b>m</b> 12   | 19° 7          | 10°38         | 19°46         | 18° 1          | 25°33          | 23°48  | 28°54  | 0°R55         | 0°43          | 4°53          | 2°26          | W25  |
| T 26 | 2 13 0  | 1°27'21          | 14°48          | 2°51            | 19°43          | 10°32         | 19°59         | 17°57          | 25°34          | 23°48  | 28°53  | 0°55          | 0°39          | 5° 0          | 2°25          | T 26 |
| F 27 | 2 16 56 | 2°27'13          | 26°44          | 4°30            | 20°19          | 10°24         | 20°12         | 17°52          | 25°35          | 23°48  | 28°53  | 0°55          | 0°36          | 5° 7          | 2°24          | F 27 |
| S 28 | 2 20 53 | 3°27'08          | 8 <b>궁</b> 35  | 6° 7            | 20°57          | 10°16         | 20°25         | 17°48          | 25°36          | 23°R48 | 28°52  | 0°55          | 0°33          | 5°13          | 2°23          | S 28 |
| S 29 | 2 24 50 | 4°27'04          | 20°27          | 7°45            | 21°37          | 10° 7         | 20°38         | 17°43          | 25°38          | 23°48  | 28°51  | 0°54          | 0°30          | 5°20          | 2°22          | S 29 |
| M30  | 2 28 46 | 5°27'02          | 2≈23           | 9°22            | 22°17          | 9°57          | 20°51         | 17°38          | 25°39          | 23°48  | 28°51  | 0°D54         | 0°27          | 5°27          | 2°21          | M30  |
| T 31 | 2 32 43 | 6M27'01          | 14≈28          | 10 <b>M</b> .58 | 22 Mp 59       | 9 <b>Ⅱ</b> 46 | 21 <b>M</b> 4 | 17 <b>8</b> 34 | 25 <b>る</b> 40 | 239548 | 28耳50  | 0 <b>8</b> 54 | 0 <b>8</b> 24 | 5 <b>る</b> 34 | 2 <b>∺</b> 20 | T 31 |

Delta T = 13.41 sec

NOVEMBER 1911 00:00 UT

| Day  | Sid.t   | 0                 | D              | ğ              | φ             | ð            | 4              | ħ              | )Å(             | 并      | Р              | R             | v              | ţ             | ę,            | Day  |
|------|---------|-------------------|----------------|----------------|---------------|--------------|----------------|----------------|-----------------|--------|----------------|---------------|----------------|---------------|---------------|------|
| W 1  | 2 36 39 | 7 <b>M</b> 27'02  | 26≈47          | 12MJ34         | 23 Mp 41      | 9°R35        | 21 <b>M</b> 17 | 17°R29         | 25 <b>පි</b> 41 | 23°R48 | 28°R49         | 0 <b>8</b> 55 | 0 <b>8</b> 20  | 5 <b>る</b> 40 | 2°R19         | W 1  |
| T 2  | 2 40 36 | 8°27'05           | 9 <b>)</b> 23  | 14° 9          | 24°25         | 9∏22         | 21°30          | 17824          | 25°43           | 239548 | 28∏49          | 0°55          | 0°17           | 5°47          | 2 <b>米</b> 18 | T 2  |
| F 3  | 2 44 32 | 9°27'09           | 22°21          | 15°44          | 25°10         | 9° 9         | 21°43          | 17°19          | 25°44           | 23°47  | 28°48          | 0°56          | 0°14           | 5°54          | 2°18          | F 3  |
| S 4  | 2 48 29 | 10°27'15          | 5 <b>Ƴ</b> 43  | 17°19          | 25°56         | 8°55         | 21°57          | 17°14          | 25°45           | 23°47  | 28°47          | 0°57          | 0°11           | 6° 0          | 2°17          | S 4  |
| S 5  | 2 52 25 | 11°27'22          | 19°29          | 18°53          | 26°42         | 8°40         | 22°10          | 17°10          | 25°47           | 23°47  | 28°46          | 0°57          | 0° 8           | 6° 7          | 2°17          | S 5  |
| M 6  | 2 56 22 | 12°27'31          | 3 <b>8</b> 38  | 20°26          | 27°30         | 8°25         | 22°23          | 17° 5          | 25°48           | 23°47  | 28°46          | 0°R58         | 0° 5           | 6°14          | 2°16          | M 6  |
| T 7  | 3 0 19  | 13°27'42          | 18° 6          | 22° 0          | 28°18         | 8° 8         | 22°36          | 17° 0          | 25°50           | 23°46  | 28°45          | 0°57          | 0° 1           | 6°21          | 2°16          | T 7  |
| W 8  | 3 4 15  | 14°27'55          | 2 <b>Ⅱ</b> 47  | 23°33          | 29° 8         | 7°51         | 22°49          | 16°55          | 25°52           | 23°46  | 28°44          | 0°56          | 29 <b>Y</b> 58 | 6°27          | 2°15          | W 8  |
| T 9  | 3 8 12  | 15°28'10          | 17°34          | 25° 5          | 29°58         | 7°34         | 23° 3          | 16°50          | 25°53           | 23°46  | 28°43          | 0°54          | 29°55          | 6°34          | 2°15          | T 9  |
| F 10 | 3 12 8  | 16°28'26          | 29521          | 26°38          | 0 <b>ჲ</b> 49 | 7°16         | 23°16          | 16°45          | 25°55           | 23°45  | 28°43          | 0°52          | 29°52          | 6°41          | 2°15          | F 10 |
| S 11 | 3 16 5  | 17°28'45          | 16°59          | 28°10          | 1°41          | 6°57         | 23°29          | 16°40          | 25°57           | 23°45  | 28°42          | 0°51          | 29°49          | 6°47          | 2°15          | S 11 |
| S 12 | 3 20 1  | 18°29'06          | 1 <b>Ω</b> 24  | 29°41          | 2°33          | 6°37         | 23°42          | 16°35          | 25°59           | 23°44  | 28°41          | 0°49          | 29°45          | 6°54          | 2°14          | S 12 |
| M13  | 3 23 58 | 19°29'28          | 15°33          | 1 <b>√</b> 12  | 3°27          | 6°17         | 23°56          | 16°31          | 26° 0           | 23°44  | 28°40          | 0°D48         | 29°42          | 7° 1          | 2°14          | M13  |
| T 14 | 3 27 54 | 20°29'53          | 29°23          | 2°43           | 4°21          | 5°57         | 24° 9          | 16°26          | 26° 2           | 23°43  | 28°39          | 0°48          | 29°39          | 7° 8          | 2°D14         | T 14 |
| W15  | 3 31 51 | 21°30'19          | 12 <b>m</b> 55 | 4°14           | 5°15          | 5°36         | 24°22          | 16°21          | 26° 4           | 23°43  | 28°38          | 0°49          | 29°36          | 7°14          | 2°14          | W15  |
| T 16 | 3 35 48 | 22°30'48          | 26° 9          | 5°44           | 6°11          | 5°15         | 24°36          | 16°16          | 26° 6           | 23°42  | 28°37          | 0°51          | 29°33          | 7°21          | 2°15          | T 16 |
| F 17 | 3 39 44 | 23°31'18          | 9 <b>₾</b> 8   | 7°14           | 7° 6          | 4°53         | 24°49          | 16°11          | 26° 8           | 23°41  | 28°36          | 0°53          | 29°30          | 7°28          | 2°15          | F 17 |
| S 18 | 3 43 41 | 24°31'50          | 21°54          | 8°44           | 8° 3          | 4°31         | 25° 2          | 16° 6          | 26°10           | 23°41  | 28°35          | 0°54          | 29°26          | 7°34          | 2°15          | S 18 |
| S 19 | 3 47 37 | 25°32'23          | 4 <b>M</b> 27  | 10°13          | 9° 0          | 4° 9         | 25°16          | 16° 2          | 26°12           | 23°40  | 28°34          | 0°R54         | 29°23          | 7°41          | 2°15          | S 19 |
| M20  | 3 51 34 | 26°32'58          | 16°49          | 11°42          | 9°58          | 3°47         | 25°29          | 15°57          | 26°15           | 23°39  | 28°33          | 0°53          | 29°20          | 7°48          | 2°16          | M20  |
| T 21 | 3 55 30 | 27°33'35          | 29° 2          | 13°11          | 10°56         | 3°24         | 25°42          | 15°52          | 26°17           | 23°38  | 28°32          | 0°50          | 29°17          | 7°55          | 2°16          | T 21 |
| W22  | 3 59 27 | 28°34'14          | 11.7 7         | 14°39          | 11°54         | 3° 1         | 25°56          | 15°47          | 26°19           | 23°38  | 28°31          | 0°47          | 29°14          | 8° 1          | 2°16          | W22  |
| T 23 | 4 3 23  | 29°34'53          | 23° 6          | 16° 6          | 12°53         | 2°39         | 26° 9          | 15°43          | 26°21           | 23°37  | 28°30          | 0°42          | 29°11          | 8° 8          | 2°17          | T 23 |
| F 24 | 4 7 20  | 0 <b>∡</b> 35'35  | 4 <b>궁</b> 59  | 17°33          | 13°53         | 2°16         | 26°22          | 15°38          | 26°24           | 23°36  | 28°29          | 0°36          | 29° 7          | 8°15          | 2°18          | F 24 |
| S 25 | 4 11 17 | 1°36'17           | 16°50          | 19° 0          | 14°53         | 1°54         | 26°36          | 15°33          | 26°26           | 23°35  | 28°28          | 0°30          | 29° 4          | 8°21          | 2°18          | S 25 |
| S 26 | 4 15 13 | 2°37'00           | 28°41          | 20°25          | 15°54         | 1°31         | 26°49          | 15°29          | 26°28           | 23°34  | 28°27          | 0°25          | 29° 1          | 8°28          | 2°19          | S 26 |
| M27  | 4 19 10 | 3°37'45           | 10≈35          | 21°50          | 16°54         | 1° 9         | 27° 2          | 15°24          | 26°31           | 23°33  | 28°26          | 0°21          | 28°58          | 8°35          | 2°20          | M27  |
| T 28 | 4 23 6  | 4°38'31           | 22°37          | 23°14          | 17°56         | 0°47         | 27°15          | 15°20          | 26°33           | 23°32  | 28°25          | 0°19          | 28°55          | 8°42          | 2°21          | T 28 |
| W29  | 4 27 3  | 5°39'17           | 4 <b>)</b> (51 | 24°37          | 18°58         | 0°25         | 27°29          | 15°16          | 26°36           | 23°31  | 28°24          | 0°D18         | 28°51          | 8°48          | 2°21          | W29  |
| T 30 | 4 30 59 | 6 <b>≯</b> 140'05 | 17 <b>)</b> 22 | 25 <b>×</b> 59 | 20 <b>♀</b> 0 | 0 <b>Π</b> 4 | 27 <b>M</b> 42 | 15 <b>8</b> 11 | 26 <b>궁</b> 38  | 23930  | 28 <b>Ⅱ</b> 23 | 0 <b>8</b> 19 | 28 <b>Y</b> 48 | 8 <b>ਰ</b> 55 | 2 <b>∺</b> 22 | T 30 |

Delta T = 13.52 sec

DECEMBER 1911 00:00 UT

| Day  | Sid.t   | 0                  | 9              | ğ               | φ              | ♂      | 4              | ħ              | 'n              | 卉      | Р               | r              | Ω              | Ç              | ç             | Day  |
|------|---------|--------------------|----------------|-----------------|----------------|--------|----------------|----------------|-----------------|--------|-----------------|----------------|----------------|----------------|---------------|------|
| F 1  | 4 34 56 | 7 <b>.</b> ₹140'53 | 0 <b>Υ</b> 13  | 27 <b>×</b> 19  | 21 <b>♀</b> 2  | 29°R43 | 27 <b>M</b> 55 | 15°R 7         | 26 <b>පි</b> 41 | 23°R29 | 28°R22          | 0820           | 28 <b>Y</b> 45 | 9る 2           | 2 <b>)</b> 23 | F 1  |
| S 2  | 4 38 52 | 8°41'42            | 13°30          | 28°38           | 22° 5          | 29822  | 28° 8          | 15 <b>8</b> 3  | 26°44           | 239528 | 28 <b>II</b> 21 | 0°22           | 28°42          | 9° 8           | 2°25          | S 2  |
| S 3  | 4 42 49 | 9°42'33            | 27°15          | 29°55           | 23° 8          | 29° 2  | 28°22          | 14°58          | 26°46           | 23°27  | 28°20           | 0°R23          | 28°39          | 9°15           | 2°26          | S 3  |
| M 4  | 4 46 46 | 10°43'24           | 11827          | 1ਰ 9            | 24°12          | 28°42  | 28°35          | 14°54          | 26°49           | 23°26  | 28°19           | 0°22           | 28°36          | 9°22           | 2°27          | M 4  |
| T 5  | 4 50 42 | 11°44'16           | 26° 6          | 2°22            | 25°16          | 28°23  | 28°48          | 14°50          | 26°52           | 23°25  | 28°17           | 0°20           | 28°32          | 9°29           | 2°28          | T 5  |
| W 6  | 4 54 39 | 12°45'09           | 11 <b>II</b> 4 | 3°31            | 26°20          | 28° 4  | 29° 1          | 14°46          | 26°54           | 23°24  | 28°16           | 0°15           | 28°29          | 9°35           | 2°29          | W 6  |
| T 7  | 4 58 35 | 13°46'04           | 26°15          | 4°38            | 27°24          | 27°46  | 29°14          | 14°42          | 26°57           | 23°22  | 28°15           | 0° 9           | 28°26          | 9°42           | 2°31          | T 7  |
| F 8  | 5 2 32  | 14°46'59           | 119527         | 5°40            | 28°29          | 27°29  | 29°28          | 14°38          | 27° 0           | 23°21  | 28°14           | 0° 2           | 28°23          | 9°49           | 2°32          | F 8  |
| S 9  | 5 6 28  | 15°47'56           | 26°30          | 6°39            | 29°34          | 27°12  | 29°41          | 14°34          | 27° 3           | 23°20  | 28°13           | 29 <b>Y</b> 55 | 28°20          | 9°55           | 2°34          | S 9  |
| S 10 | 5 10 25 | 16°48'53           | 11Ω16          | 7°32            | 0 <b>M</b> .40 | 26°56  | 29°54          | 14°31          | 27° 6           | 23°19  | 28°12           | 29°49          | 28°17          | 10° 2          | 2°35          | S 10 |
| M11  | 5 14 22 | 17°49'52           | 25°38          | 8°20            | 1°46           | 26°41  | 0 <b>,</b> ₹ 7 | 14°27          | 27° 9           | 23°17  | 28°11           | 29°45          | 28°13          | 10° 9          | 2°37          | M11  |
| T 12 | 5 18 18 | 18°50'52           | 9 <b>m</b> /34 | 9° 2            | 2°52           | 26°26  | 0°20           | 14°23          | 27°11           | 23°16  | 28° 9           | 29°43          | 28°10          | 10°16          | 2°38          | T 12 |
| W13  | 5 22 15 | 19°51'52           | 23° 4          | 9°37            | 3°58           | 26°12  | 0°33           | 14°20          | 27°14           | 23°15  | 28° 8           | 29°D42         | 28° 7          | 10°22          | 2°40          | W13  |
| T 14 | 5 26 11 | 20°52'54           | 6 <b>₽</b> 11  | 10° 3           | 5° 4           | 25°59  | 0°46           | 14°17          | 27°17           | 23°13  | 28° 7           | 29°43          | 28° 4          | 10°29          | 2°42          | T 14 |
| F 15 | 5 30 8  | 21°53'57           | 18°58          | 10°21           | 6°11           | 25°46  | 0°59           | 14°13          | 27°20           | 23°12  | 28° 6           | 29°44          | 28° 1          | 10°36          | 2°44          | F 15 |
| S 16 | 5 34 4  | 22°55'01           | 1 <b>M</b> 29  | 10°R29          | 7°18           | 25°35  | 1°12           | 14°10          | 27°23           | 23°10  | 28° 5           | 29°R45         | 27°57          | 10°42          | 2°45          | S 16 |
| S 17 | 5 38 1  | 23°56'06           | 13°46          | 10°26           | 8°25           | 25°24  | 1°24           | 14° 7          | 27°27           | 23° 9  | 28° 3           | 29°44          | 27°54          | 10°49          | 2°47          | S 17 |
| M18  | 5 41 57 | 24°57'12           | 25°55          | 10°12           | 9°33           | 25°14  | 1°37           | 14° 4          | 27°30           | 23° 8  | 28° 2           | 29°40          | 27°51          | 10°56          | 2°49          | M18  |
| T 19 | 5 45 54 | 25°58'18           | 7 <b>.₹</b> 56 | 9°47            | 10°40          | 25° 5  | 1°50           | 14° 1          | 27°33           | 23° 6  | 28° 1           | 29°34          | 27°48          | 11° 3          | 2°51          | T 19 |
| W20  | 5 49 51 | 26°59'26           | 1 <u>9</u> °53 | 9°10            | 11°48          | 24°56  | 2° 3           | 13°58          | 27°36           | 23° 5  | 28° 0           | 29°25          | 27°45          | 11° 9          | 2°53          | W20  |
| T 21 | 5 53 47 | 28° 0'33           | 1 <b>3</b> 47  | 8°21            | 12°56          | 24°49  | 2°15           | 13°55          | 27°39           | 23° 3  | 27°59           | 29°14          | 27°42          | 11°16          | 2°55          | T 21 |
| F 22 | 5 57 44 | 29° 1'42           | 13°39          | 7°22            | 14° 4          | 24°42  | 2°28           | 13°52          | 27°42           | 23° 2  | 27°57           | 29° 2          | 27°38          | 11°23          | 2°58          | F 22 |
| S 23 | 6 1 40  | 0පි 2'50           | 25°30          | 6°14            | 15°13          | 24°36  | 2°41           | 13°50          | 27°45           | 23° 0  | 27°56           | 28°49          | 27°35          | 11°29          | 3° 0          | S 23 |
| S 24 | 6 5 3 7 | 1° 3'59            | 7≈23           | 4°59            | 16°21          | 24°31  | 2°53           | 13°47          | 27°49           | 22°59  | 27°55           | 28°38          | 27°32          | 11°36          | 3° 2          | S 24 |
| M25  | 6 9 33  | 2° 5'08            | 19°19          | 3°39            | 17°30          | 24°27  | 3° 6           | 13°45          | 27°52           | 22°57  | 27°54           | 28°28          | 27°29          | 11°43          | 3° 4          | M25  |
| T 26 | 6 13 30 | 3° 6'18            | 1 <b>∺</b> 22  | 2°16            | 18°39          | 24°24  | 3°18           | 13°42          | 27°55           | 22°55  | 27°53           | 28°20          | 27°26          | 11°50          | 3° 7          | T 26 |
| W27  | 6 17 26 | 4° 7'27            | 13°34          | 0°55            | 19°48          | 24°21  | 3°31           | 13°40          | 27°59           | 22°54  | 27°52           | 28°16          | 27°23          | 11°56          | 3° 9          | W27  |
| T 28 | 6 21 23 | 5° 8'36            | 26° 0          | 29 <b>×</b> 36  | 20°57          | 24°19  | 3°43           | 13°38          | 28° 2           | 22°52  | 27°50           | 28°13          | 27°19          | 12° 3          | 3°11          | T 28 |
| F 29 | 6 25 20 | 6° 9'45            | 8 <b>Υ</b> 44  | 28°23           | 22° 6          | 24°18  | 3°55           | 13°36          | 28° 5           | 22°51  | 27°49           | 28°D13         | 27°16          | 12°10          | 3°14          | F 29 |
| S 30 | 6 29 16 | 7°10'54            | 21°51          | 27°18           | 23°16          | 24°D18 | 4° 8           | 13°34          | 28° 9           | 22°49  | 27°48           | 28°R13         | 27°13          | 12°17          | 3°16          | S 30 |
| S 31 | 6 33 13 | 8 <b>ප</b> 12'03   | 5 <b>8</b> 25  | 26 <b>×</b> 122 | 24M26          | 24819  | 4 <b>₹</b> 20  | 13 <b>8</b> 32 | 28 <b>궁</b> 12  | 229647 | 27 <b>Ⅱ</b> 47  | 28 <b>Y</b> 13 | 27 <b>Υ</b> 10 | 12 <b>る</b> 23 | 3 <b>∺</b> 19 | S 31 |

Delta T = 13.63 sec

JANUARY 1912 00:00 UT

| Day  | Sid.t   | 0                | D                    | ğ               | φ              | ď            | 4             | ħ              | )Å(            | ¥      | В              | ₽.             | Ω              | Ç              | o<br>K        | Day  |
|------|---------|------------------|----------------------|-----------------|----------------|--------------|---------------|----------------|----------------|--------|----------------|----------------|----------------|----------------|---------------|------|
| M 1  | 6 37 9  | 9 <b>ට</b> 13'12 | 19828                | 25°R35          | 25 <b>M</b> 35 | 24820        | 4 <b>₹</b> 32 | 13°R31         | 28 <b>ට</b> 15 | 22°R46 | 27°R46         | 28°R12         | 27 <b>°</b> 7  | 12 <b>ට</b> 30 | 3 <b>∺</b> 22 | M 1  |
| T 2  | 6 41 6  | 10°14'21         | 4 <b>I</b> 0         | 24 <b>×</b> 759 | 26°45          | 24°23        | 4°44          | 13829          | 28°19          | 229544 | 27 <b>Ⅱ</b> 44 | 28 <b>°</b> 7  | 27° 3          | 12°37          | 3°24          | T 2  |
| W 3  | 6 45 2  | 11°15'30         | 18°57                | 24°33           | 27°55          | 24°25        | 4°56          | 13°28          | 28°22          | 22°43  | 27°43          | 28° 0          | 27° 0          | 12°43          | 3°27          | W 3  |
| T 4  | 6 48 59 | 12°16'38         | 49512                | 24°17           | 29° 5          | 24°29        | 5° 8          | 13°26          | 28°26          | 22°41  | 27°42          | 27°51          | 26°57          | 12°50          | 3°30          | T 4  |
| F 5  | 6 52 56 | 13°17'47         | 19°35                | 24°D11          | 0 <b>才</b> 16  | 24°34        | 5°20          | 13°25          | 28°29          | 22°39  | 27°41          | 27°40          | 26°54          | 12°57          | 3°33          | F 5  |
| S 6  | 6 56 52 | 14°18'55         | 4 <b>Ω</b> 54        | 24°15           | 1°26           | 24°39        | 5°32          | 13°24          | 28°32          | 22°38  | 27°40          | 27°29          | 26°51          | 13° 4          | 3°35          | S 6  |
| S 7  | 7 0 49  | 15°20'04         | 19°57                | 24°26           | 2°37           | 24°44        | 5°44          | 13°23          | 28°36          | 22°36  | 27°39          | 27°19          | 26°48          | 13°10          | 3°38          | S 7  |
| M 8  | 7 4 45  | 16°21'12         | 4 Mp 36              | 24°45           | 3°47           | 24°51        | 5°55          | 13°22          | 28°39          | 22°34  | 27°38          | 27°11          | 26°44          | 13°17          | 3°41          | M 8  |
| T 9  | 7 8 42  | 17°22'20         | 18°45                | 25°12           | 4°58           | 24°58        | 6° 7          | 13°21          | 28°43          | 22°33  | 27°36          | 27° 5          | 26°41          | 13°24          | 3°44          | T 9  |
| W10  | 7 12 38 | 18°23'29         | 2 <u><b>Ω</b></u> 25 | 25°44           | 6° 9           | 25° 6        | 6°18          | 13°20          | 28°46          | 22°31  | 27°35          | 27° 3          | 26°38          | 13°30          | 3°47          | W10  |
| T 11 | 7 16 35 | 19°24'37         | 15°36                | 26°23           | 7°20           | 25°14        | 6°30          | 13°20          | 28°50          | 22°29  | 27°34          | 27° 2          | 26°35          | 13°37          | 3°50          | T 11 |
| F 12 | 7 20 31 | 20°25'46         | 28°22                | 27° 6           | 8°31           | 25°23        | 6°41          | 13°19          | 28°53          | 22°27  | 27°33          | 27° 2          | 26°32          | 13°44          | 3°53          | F 12 |
| S 13 | 7 24 28 | 21°26'54         | 10 <b>M</b> 48       | 27°54           | 9°42           | 25°33        | 6°53          | 13°19          | 28°57          | 22°26  | 27°32          | 27° 2          | 26°29          | 13°51          | 3°56          | S 13 |
| S 14 | 7 28 25 | 22°28'02         | 23° 0                | 28°46           | 10°53          | 25°44        | 7° 4          | 13°18          | 29° 0          | 22°24  | 27°31          | 26°59          | 26°25          | 13°57          | 3°59          | S 14 |
| M15  | 7 32 21 | 23°29'11         | 5 <b>√</b> 1         | 2 <u>9</u> °42  | 12° 5          | 25°55        | 7°15          | 13°18          | 29° 4          | 22°22  | 27°30          | 26°55          | 26°22          | 14° 4          | 4° 3          | M15  |
| T 16 | 7 36 18 | 24°30'18         | 16°55                | 0 <b>궁</b> 42   | 13°16          | 26° 6        | 7°26          | 13°D18         | 29° 7          | 22°21  | 27°29          | 26°47          | 26°19          | 14°11          | 4° 6          | T 16 |
| W17  | 7 40 14 | 25°31'26         | 28°47                | 1°44            | 14°28          | 26°18        | 7°37          | 13°18          | 29°11          | 22°19  | 27°28          | 26°36          | 26°16          | 14°17          | 4° 9          | W17  |
| T 18 | 7 44 11 | 26°32'33         | 10 <b>궁</b> 38       | 2°49            | 15°39          | 26°31        | 7°48          | 13°19          | 29°14          | 22°17  | 27°27          | 26°22          | 26°13          | 14°24          | 4°12          | T 18 |
| F 19 | 7 48 7  | 27°33'40         | 22°30                | 3°56            | 16°51          | 26°44        | 7°59          | 13°19          | 29°18          | 22°16  | 27°26          | 26° 7          | 26° 9          | 14°31          | 4°16          | F 19 |
| S 20 | 7 52 4  | 28°34'46         | 4≈25                 | 5° 6            | 18° 3          | 26°58        | 8°10          | 13°19          | 29°21          | 22°14  | 27°25          | 25°52          | 26° 6          | 14°38          | 4°19          | S 20 |
| S 21 | 7 56 0  | 29°35'52         | 16°23                | 6°17            | 19°15          | 27°12        | 8°20          | 13°20          | 29°25          | 22°12  | 27°24          | 25°37          | 26° 3          | 14°44          | 4°22          | S 21 |
| M22  | 7 59 57 | 0≈36'56          | 28°26                | 7°31            | 20°27          | 27°27        | 8°31          | 13°20          | 29°29          | 22°11  | 27°23          | 25°25          | 26° 0          | 14°51          | 4°26          | M22  |
| T 23 | 8 3 54  | 1°38'00          | 10 <b>)</b> (36      | 8°46            | 21°39          | 27°43        | 8°41          | 13°21          | 29°32          | 22° 9  | 27°22          | 25°15          | 25°57          | 14°58          | 4°29          | T 23 |
| W24  | 8 7 50  | 2°39'03          | 22°54                | 10° 2           | 22°51          | 27°58        | 8°52          | 13°22          | 29°36          | 22° 7  | 27°21          | 25° 8          | 25°54          | 15° 5          | 4°33          | W24  |
| T 25 | 8 11 47 | 3°40'05          | 5 <b>Υ</b> 24        | 11°20           | 24° 3          | 28°15        | 9° 2          | 13°23          | 29°39          | 22° 6  | 27°20          | 25° 5          | 25°50          | 15°11          | 4°36          | T 25 |
| F 26 | 8 15 43 | 4°41'05          | 18° 8                | 12°40           | 25°15          | 28°32        | 9°12          | 13°24          | 29°43          | 22° 4  | 27°19          | 25° 4          | 25°47          | 15°18          | 4°40          | F 26 |
| S 27 | 8 19 40 | 5°42'05          | 1811                 | 14° 0           | 26°27          | 28°49        | 9°22          | 13°25          | 29°46          | 22° 2  | 27°18          | 25° 4          | 25°44          | 15°25          | 4°43          | S 27 |
| S 28 | 8 23 36 | 6°43'04          | 14°35                | 15°22           | 27°39          | 29° 7        | 9°32          | 13°27          | 29°50          | 22° 1  | 27°17          | 25° 3          | 25°41          | 15°31          | 4°47          | S 28 |
| M29  | 8 27 33 | 7°44'01          | 28°25                | 16°44           | 28°51          | 29°25        | 9°42          | 13°28          | 29°53          | 21°59  | 27°16          | 25° 2          | 25°38          | 15°38          | 4°50          | M29  |
| T 30 | 8 31 29 | 8°44'57          | 12 <b>II</b> 41      | 18° 8           | 0 <b>조</b> 4   | 29°43        | 9°52          | 13°30          | 29°57          | 21°57  | 27°15          | 24°58          | 25°35          | 15°45          | 4°54          | T 30 |
| W31  | 8 35 26 | 9≈45'52          | 27 <b>Ⅱ</b> 22       | 19 <b>る</b> 33  | 1 <b>ਰ</b> 16  | 0 <b>Ⅱ</b> 2 | 10 <b>×</b> 2 | 13 <b>8</b> 31 | 0≈ 0           | 219556 | 27 <b>Ⅱ</b> 15 | 24 <b>Y</b> 52 | 25 <b>Y</b> 31 | 15 <b>る</b> 52 | 4 <b>∺</b> 57 | W31  |

Delta T = 13.74 sec

FEBRUARY 1912 00:00 UT

| Day  | Sid.t    | 0               | D              | φ              | Ф             | δ              | 4              | ħ              | )∤(  | ¥      | Р              | r              | Ω              | Ç              | <del>к</del> 0 | Day  |
|------|----------|-----------------|----------------|----------------|---------------|----------------|----------------|----------------|------|--------|----------------|----------------|----------------|----------------|----------------|------|
| T 1  | 8 39 23  | 10≈46'46        | 129523         | 20 <b>궁</b> 59 | 2 <b>る</b> 29 | 0 <b>Д</b> 22  | 10 <b>×</b> 11 | 13 <b>8</b> 33 | 0≈ 4 | 21°R54 | 27°R14         | 24°R43         | 25 <b>Y</b> 28 | 15 <b>る</b> 58 | 5 <b>)</b> 1   | T 1  |
| F 2  | 8 43 19  | 11°47'38        | 27°36          | 22°25          | 3°41          | 0°42           | 10°21          | 13°35          | 0° 7 | 21953  | 27 <b>Ⅱ</b> 13 | 24 <b>Y</b> 32 | 25°25          | 16° 5          | 5° 5           | F 2  |
| S 3  | 8 47 16  | 12°48'29        | $12\Omega50$   | 23°53          | 4°54          | 1° 2           | 10°30          | 13°37          | 0°11 | 21°51  | 27°12          | 24°21          | 25°22          | 16°12          | 5° 8           | S 3  |
| S 4  | 8 51 12  | 13°49'19        | 27°54          | 25°21          | 6° 6          | 1°22           | 10°39          | 13°39          | 0°14 | 21°49  | 27°11          | 24°11          | 25°19          | 16°18          | 5°12           | S 4  |
| M 5  | 8 55 9   | 14°50'08        | 12 <b>m</b> 39 | 26°50          | 7°19          | 1°43           | 10°48          | 13°41          | 0°18 | 21°48  | 27°11          | 24° 3          | 25°15          | 16°25          | 5°16           | M 5  |
| T 6  | 8 59 5   | 15°50'56        | 26°58          | 28°20          | 8°32          | 2° 5           | 10°57          | 13°43          | 0°21 | 21°46  | 27°10          | 23°58          | 25°12          | 16°32          | 5°20           | T 6  |
| W 7  | 9 3 2    | 16°51'43        | 10 <b>≏</b> 47 | 29°51          | 9°44          | 2°26           | 11° 6          | 13°46          | 0°24 | 21°45  | 27° 9          | 23°55          | 25° 9          | 16°39          | 5°23           | W 7  |
| T 8  | 9 6 58   | 17°52'29        | 24° 6          | 1≈22           | 10°57         | 2°48           | 11°15          | 13°48          | 0°28 | 21°43  | 27° 8          | 23°D54         | 25° 6          | 16°45          | 5°27           | T 8  |
| F 9  | 9 10 55  | 18°53'14        | 7 <b>M</b> 0   | 2°55           | 12°10         | 3°10           | 11°23          | 13°51          | 0°31 | 21°42  | 27° 8          | 23°54          | 25° 3          | 16°52          | 5°31           | F 9  |
| S 10 | 9 14 52  | 19°53'58        | 19°30          | 4°28           | 13°23         | 3°33           | 11°32          | 13°54          | 0°35 | 21°40  | 27° 7          | 23°R55         | 25° 0          | 16°59          | 5°35           | S 10 |
| S 11 | 9 18 48  | 20°54'41        | 1 <b>∡</b> 143 | 6° 2           | 14°36         | 3°56           | 11°40          | 13°56          | 0°38 | 21°39  | 27° 6          | 23°54          | 24°56          | 17° 6          | 5°38           | S 11 |
| M12  | 9 22 45  | 21°55'23        | 13°44          | 7°37           | 15°49         | 4°19           | 11°49          | 13°59          | 0°41 | 21°38  | 27° 6          | 23°52          | 24°53          | 17°12          | 5°42           | M12  |
| T 13 | 9 26 41  | 22°56'03        | 25°38          | 9°13           | 17° 2         | 4°43           | 11°57          | 14° 2          | 0°45 | 21°36  | 27° 5          | 23°46          | 24°50          | 17°19          | 5°46           | T 13 |
| W14  | 9 30 38  | 23°56'43        | 7 <b>云</b> 28  | 10°50          | 18°15         | 5° 6           | 12° 5          | 14° 6          | 0°48 | 21°35  | 27° 5          | 23°39          | 24°47          | 17°26          | 5°50           | W14  |
| T 15 | 9 34 34  | 24°57'21        | 19°19          | 12°27          | 19°28         | 5°31           | 12°13          | 14° 9          | 0°51 | 21°33  | 27° 4          | 23°29          | 24°44          | 17°32          | 5°54           | T 15 |
| F 16 | 9 38 31  | 25°57'58        | 1≈13           | 14° 5          | 20°41         | 5°55           | 12°20          | 14°12          | 0°55 | 21°32  | 27° 4          | 23°18          | 24°41          | 17°39          | 5°58           | F 16 |
| S 17 | 9 42 27  | 26°58'34        | 13°13          | 15°44          | 21°54         | 6°20           | 12°28          | 14°15          | 0°58 | 21°31  | 27° 3          | 23° 6          | 24°37          | 17°46          | 6° 2           | S 17 |
| S 18 | 9 46 24  | 27°59'08        | 25°19          | 17°24          | 23° 7         | 6°45           | 12°35          | 14°19          | 1° 1 | 21°29  | 27° 2          | 22°55          | 24°34          | 17°53          | 6° 5           | S 18 |
| M19  | 9 50 21  | 28°59'40        | 7 <b>∺</b> 33  | 19° 5          | 24°20         | 7°10           | 12°43          | 14°23          | 1° 4 | 21°28  | 27° 2          | 22°46          | 24°31          | 17°59          | 6° 9           | M19  |
| T 20 | 9 54 17  | 0 <b>∺</b> 0'11 | 19°56          | 20°47          | 25°33         | 7°35           | 12°50          | 14°26          | 1°8  | 21°27  | 27° 2          | 22°39          | 24°28          | 18° 6          | 6°13           | T 20 |
| W21  | 9 58 14  | 1° 0'40         | 2 <b>Υ</b> 29  | 22°30          | 26°46         | 8° 1           | 12°57          | 14°30          | 1°11 | 21°26  | 27° 1          | 22°34          | 24°25          | 18°13          | 6°17           | W21  |
| T 22 | 10 2 10  | 2° 1'08         | 15°12          | 24°14          | 28° 0         | 8°27           | 13° 4          | 14°34          | 1°14 | 21°24  | 27° 1          | 22°32          | 24°21          | 18°19          | 6°21           | T 22 |
| F 23 | 10 6 7   | 3° 1'33         | 28° 8          | 25°59          | 29°13         | 8°53           | 13°10          | 14°38          | 1°17 | 21°23  | 27° 0          | 22°D32         | 24°18          | 18°26          | 6°25           | F 23 |
| S 24 | 10 10 3  | 4° 1'57         | 11818          | 27°44          | 0≈26          | 9°19           | 13°17          | 14°42          | 1°20 | 21°22  | 27° 0          | 22°33          | 24°15          | 18°33          | 6°29           | S 24 |
| S 25 | 10 14 0  | 5° 2'19         | 24°45          | 29°31          | 1°39          | 9°46           | 13°23          | 14°46          | 1°23 | 21°21  | 26°59          | 22°34          | 24°12          | 18°40          | 6°33           | S 25 |
| M26  | 10 17 56 | 6° 2'39         | 8耳29           | 1 <b>米</b> 18  | 2°53          | 10°13          | 13°30          | 14°51          | 1°26 | 21°20  | 26°59          | 22°R35         | 24° 9          | 18°46          | 6°37           | M26  |
| T 27 | 10 21 53 | 7° 2'57         | 22°33          | 3° 7           | 4° 6          | 10°40          | 13°36          | 14°55          | 1°29 | 21°19  | 26°59          | 22°33          | 24° 6          | 18°53          | 6°40           | T 27 |
| W28  | 10 25 50 | 8° 3'13         | 6956           | 4°57           | 5°19          | 11° 7          | 13°42          | 14°59          | 1°32 | 21°18  | 26°59          | 22°30          | 24° 2          | 19° 0          | 6°44           | W28  |
| T 29 | 10 29 46 | 9 <b>米</b> 3′26 | 219534         | 6 <b>∺</b> 47  | 6≈32          | 11 <b>Ⅲ</b> 35 | 13 <b>~</b> 48 | 15 <b>8</b> 4  | 1≈35 | 219517 | 26耳58          | 22 <b>Y</b> 25 | 23 <b>Y</b> 59 | 19 <b>る</b> 7  | 6 <b>)</b> €48 | T 29 |

Delta T = 13.86 sec

MARCH 1912 00:00 UT

| Day          | Sid.t               | 0                    | D                       | φ              | Ŷ.               | ♂              | 4               | ħ              | )∤(          | 并              | В              | P.              | v              | ţ              | ę,             | Day          |
|--------------|---------------------|----------------------|-------------------------|----------------|------------------|----------------|-----------------|----------------|--------------|----------------|----------------|-----------------|----------------|----------------|----------------|--------------|
| F 1          | 10 33 43            | 10₩ 3'38             | 6 <b>Ω</b> 22           | 8 <b>∺</b> 39  | 7≈46             | 12 <b>II</b> 2 | 13 <b>×</b> 753 | 15 <b>8</b> 8  | 1≈38         | 21°R16         | 26°R58         | 22°R19          | 23 <b>Y</b> 56 | 19 <b>궁</b> 13 | 6 <b>¥</b> 52  | F 1          |
| S 2          | 10 37 39            | 11° 3'48             | 21°13                   | 10°31          | 8°59             | 12°30          | 13°59           | 15°13          | 1°41         | 219915         | 26耳58          | 22 <b>Y</b> 13  | 23°53          | 19°20          | 6°56           | S 2          |
| S 3          | 10 41 36            | 12° 3'56             | 6Mp 0                   | 12°25          | 10°12            | 12°58          | 14° 4           | 15°18          | 1°44         | 21°14          | 26°58          | 22° 7           | 23°50          | 19°27          | 7° 0           | S 3          |
| M 4          | 10 45 32            | 13° 4'01             | 20°33                   | 14°19          | 11°26            | 13°26          | 14° 9           | 15°23          | 1°47         | 21°13          | 26°57          | 22° 2           | 23°46          | 19°33          | 7° 4           | M 4          |
| T 5          | 10 49 29            | 14° 4'05             | 4 <b>Ω</b> 46           | 16°14          | 12°39            | 13°55          | 14°14           | 15°28          | 1°50         | 21°12          | 26°57          | 21°59           | 23°43          | 19°40          | 7° 8           | T 5          |
| W 6          | 10 53 25            | 15° 4'08             | 18°35                   | 18°10          | 13°53            | 14°23          | 14°19           | 15°33          | 1°53         | 21°11          | 26°57          | 21°D57          | 23°40          | 19°47          | 7°12           | W 6          |
| T 7<br>F 8   | 10 57 22            | 16° 4'08<br>17° 4'07 | 1 <b>M</b> .58<br>14°57 | 20° 6<br>22° 3 | 15° 6<br>16°20   | 14°52<br>15°21 | 14°24<br>14°28  | 15°38<br>15°43 | 1°56<br>1°58 | 21°10<br>21° 9 | 26°57<br>26°57 | 21°58<br>21°59  | 23°37<br>23°34 | 19°54<br>20° 0 | 7°15<br>7°19   | T 7<br>F 8   |
| S 9          | 11 1 19<br>11 5 15  | 17° 407<br>18° 4'04  | 27°33                   | 24° 0          | 16°20<br>17°33   | 15°50          | 14°28<br>14°33  | 15°43<br>15°48 | 2° 1         | 21° 9          | 26°57          | 21°59<br>22° 1  | 23°34<br>23°31 | 20° 0<br>20° 7 | 7°23           | F 8          |
|              |                     |                      |                         |                |                  |                |                 |                |              | 1              |                |                 |                |                |                | l I          |
| S 10<br>M11  | 11 9 12<br>11 13 8  | 19° 4'00<br>20° 3'54 | 9 <b>∡</b> 752<br>21°56 | 25°58<br>27°56 | 18°47<br>20° 0   | 16°19<br>16°49 | 14°37<br>14°41  | 15°54<br>15°59 | 2° 4<br>2° 6 | 21° 8<br>21° 7 | 26°57<br>26°57 | 22° 2<br>22°R 2 | 23°27<br>23°24 | 20°14<br>20°21 | 7°27<br>7°31   | S 10<br>M11  |
| T 12         | 11 13 8             | 20° 3'34<br>21° 3'47 | 3 <b>云</b> 52           | 29°53          | 20° 0<br>21°14   | 16°49          | 14°41           | 15°39<br>16° 4 | 2° 9         | 21° /<br>21° 6 | 26°D57         | 22° R 2         | 23°24<br>23°21 | 20°21<br>20°27 | 7°35           | T 12         |
| W13          | 11 17 3             | 21° 3'47<br>22° 3'37 | 15°44                   | $1^{9}50$      | 21°14<br>22°27   | 17°48          | 14°49           | 16°10          | 2°12         | 21° 6          | 26°57          | 21°59           | 23°18          | 20°34          | 7°39           | W13          |
| T 14         | 11 24 58            | 23° 3'26             | 27°36                   | 3°46           | 23°41            | 18°18          | 14°52           | 16°16          | 2°14         | 21° 5          | 26°57          | 21°56           | 23°15          | 20°41          | 7°42           | T 14         |
| F 15         | 11 28 54            | 24° 3'13             | 9≈33                    | 5°41           | 24°54            | 18°48          | 14°55           | 16°21          | 2°17         | 21° 4          | 26°57          | 21°51           | 23°12          | 20°47          | 7°46           | F 15         |
| S 16         | 11 32 51            | 25° 2'59             | 21°37                   | 7°34           | 26° 8            | 19°18          | 14°58           | 16°27          | 2°19         | 21° 4          | 26°57          | 21°46           | 23° 8          | 20°54          | 7°50           | S 16         |
| S 17         | 11 36 48            | 26° 2'42             | 3 <b>¥</b> 52           | 9°26           | 27°21            | 19°48          | 15° 1           | 16°33          | 2°22         | 21° 3          | 26°57          | 21°42           | 23° 5          | 21° 1          | 7°54           | S 17         |
| M18          | 11 40 44            | 27° 2'24             | 16°18                   | 11°15          | 28°35            | 20°18          | 15° 4           | 16°39          | 2°24         | 21° 3          | 26°57          | 21°38           | 23° 2          | 21° 8          | 7°57           | M18          |
| T 19         | 11 44 41            | 28° 2'03             | 28°57                   | 13° 1          | 29°48            | 20°49          | 15° 7           | 16°45          | 2°26         | 21° 2          | 26°57          | 21°35           | 22°59          | 21°14          | 8° 1           | T 19         |
| W20          | 11 48 37            | 29° 1'41             | 11 <b>Y</b> 49          | 14°44          | 1 <b>米</b> 2     | 21°19          | 15° 9           | 16°51          | 2°29         | 21° 2          | 26°58          | 21°34           | 22°56          | 21°21          | 8° 5           | W20          |
| T 21         | 11 52 34            | 0 <b>Υ</b> 1'16      | 24°53                   | 16°24          | 2°15             | 21°50          | 15°11           | 16°57          | 2°31         | 21° 2          | 26°58          | 21°D33          | 22°52          | 21°28          | 8° 8           | T 21         |
| F 22<br>S 23 | 11 56 30<br>12 0 27 | 1° 0'50<br>2° 0'21   | 8 <b>8</b> 11<br>21°41  | 17°59<br>19°29 | 3°29<br>4°43     | 22°21<br>22°52 | 15°14<br>15°15  | 17° 3<br>17° 9 | 2°33<br>2°35 | 21° 1<br>21° 1 | 26°58<br>26°58 | 21°34<br>21°35  | 22°49<br>22°46 | 21°34<br>21°41 | 8°12<br>8°16   | F 22<br>S 23 |
|              |                     |                      |                         |                |                  |                |                 |                |              |                |                |                 |                |                |                |              |
| S 24         | 12 4 23             | 2°59'50              | 5 <b>Ⅱ</b> 23           | 20°55<br>22°15 | 5°56             | 23°23<br>23°54 | 15°17<br>15°19  | 17°15          | 2°37         | 21° 1          | 26°58<br>26°59 | 21°37<br>21°38  | 22°43          | 21°48          | 8°19           | S 24         |
| M25<br>T 26  | 12 8 20<br>12 12 17 | 3°59'16<br>4°58'41   | 19°16<br>3 <b>©</b> 19  | 22°15<br>23°29 | 7°10<br>8°23     | 23°54<br>24°26 | 15°19<br>15°20  | 17°22<br>17°28 | 2°40<br>2°42 | 21° 0<br>21° 0 | 26°59<br>26°59 | 21°38<br>21°R38 | 22°40<br>22°37 | 21°55<br>22° 1 | 8°23<br>8°27   | M25<br>T 26  |
| W27          | 12 12 17            | 5°58'03              | 17°32                   | 23°29<br>24°37 | 9°37             | 24°57          | 15°21           | 17°34          | 2°44         | 21° 0          | 26°59          | 21°38           | 22°33          | 22° 8          | 8°30           | W27          |
| T 28         | 12 20 10            | 6°57'22              | 1 <b>Ω</b> 51           | 25°39          | 10°51            | 25°29          | 15°22           | 17°41          | 2°46         | 21° 0          | 27° 0          | 21°37           | 22°30          | 22°15          | 8°34           | T 28         |
| F 29         | 12 24 6             | 7°56'40              | 16°14                   | 26°34          | 12° 4            | 26° 0          | 15°23           | 17°47          | 2°48         | 21° 0          | 27° 0          | 21°36           | 22°27          | 22°22          | 8°37           | F 29         |
| S 30         | 12 28 3             | 8°55'55              | 0 <b>m</b> 37           | 27°23          | 13°18            | 26°32          | 15°23           | 17°54          | 2°50         | 20°59          | 27° 1          | 21°34           | 22°24          | 22°28          | 8°41           | S 30         |
| S 31         | 12 31 59            | 9 <b>Y</b> 55'07     | 14 <b>M</b> 54          | 28 <b>Y</b> 4  | 14 <b>) (</b> 31 | 27Ⅱ 4          | 15 <b>×7</b> 24 | 188 1          | 2≈51         | 20959          | 27耳 1          | 21 <b>Y</b> 32  | 22 <b>Y</b> 21 | 22 <b>ප</b> 35 | 8 <b>)</b> €44 | S 31         |

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| Day  | Sid.t    | $\odot$           | D              | φ              | φ              | o <sup>7</sup>  | 4              | ħ             | )ұ(  | ¥      | 2              | ß              | Ω              | ţ              | Š              | Day  |
|------|----------|-------------------|----------------|----------------|----------------|-----------------|----------------|---------------|------|--------|----------------|----------------|----------------|----------------|----------------|------|
| M 1  | 12 35 56 | 10 <b>Y</b> 54'18 | 29 <b>m</b> 2  | 28 <b>Y</b> 38 | 15 <b>)</b> 45 | 27 <b>II</b> 36 | 15 <b>₹</b> 24 | 18 <b>8</b> 7 | 2≈53 | 20°R59 | 27 <b>I</b> 1  | 21°R31         | 22 <b>Y</b> 18 | 22 <b>る</b> 42 | 8 <b>)</b> (48 | M 1  |
| T 2  | 12 39 52 | 11°53'26          | 12 <b>≏</b> 55 | 29° 6          | 16°58          | 28° 8           | 15°R24         | 18°14         | 2°55 | 20°D59 | 27° 2          | 21 <b>Y</b> 31 | 22°14          | 22°48          | 8°51           | T 2  |
| W 3  | 12 43 49 | 12°52'32          | 26°31          | 29°26          | 18°12          | 28°40           | 15°24          | 18°21         | 2°57 | 20959  | 27° 2          | 21°D31         | 22°11          | 22°55          | 8°54           | W 3  |
| T 4  | 12 47 46 | 13°51'36          | 9 <b>M</b> 47  | 29°39          | 19°26          | 29°12           | 15°23          | 18°28         | 2°59 | 20°59  | 27° 3          | 21°31          | 22° 8          | 23° 2          | 8°58           | T 4  |
| F 5  | 12 51 42 | 14°50'39          | 22°43          | 29°R44         | 20°39          | 29°44           | 15°23          | 18°35         | 3° 0 | 21° 0  | 27° 3          | 21°32          | 22° 5          | 23° 9          | 9° 1           | F 5  |
| S 6  | 12 55 39 | 15°49'39          | 5 <b>₹</b> 20  | 29°43          | 21°53          | 09517           | 15°22          | 18°41         | 3° 2 | 21° 0  | 27° 4          | 21°32          | 22° 2          | 23°15          | 9° 4           | S 6  |
| S 7  | 12 59 35 | 16°48'38          | 17°41          | 29°36          | 23° 6          | 0°49            | 15°21          | 18°48         | 3° 3 | 21° 0  | 27° 5          | 21°33          | 21°58          | 23°22          | 9° 8           | S 7  |
| M 8  | 13 3 32  | 17°47'35          | 29°48          | 29°22          | 24°20          | 1°22            | 15°20          | 18°55         | 3° 5 | 21° 0  | 27° 5          | 21°33          | 21°55          | 23°29          | 9°11           | M 8  |
| T 9  | 13 7 28  | 18°46'31          | 11 <b>ろ</b> 46 | 29° 2          | 25°34          | 1°54            | 15°19          | 19° 2         | 3° 6 | 21° 0  | 27° 6          | 21°33          | 21°52          | 23°36          | 9°14           | T 9  |
| W10  | 13 11 25 | 19°45'24          | 23°40          | 28°37          | 26°47          | 2°27            | 15°17          | 19°10         | 3° 8 | 21° 0  | 27° 6          | 21°R33         | 21°49          | 23°42          | 9°17           | W10  |
| T 11 | 13 15 21 | 20°44'16          | 5≈34           | 28° 7          | 28° 1          | 3° 0            | 15°15          | 19°17         | 3° 9 | 21° 1  | 27° 7          | 21°33          | 21°46          | 23°49          | 9°20           | T 11 |
| F 12 | 13 19 18 | 21°43'06          | 17°32          | 27°33          | 29°15          | 3°33            | 15°14          | 19°24         | 3°10 | 21° 1  | 27° 8          | 21°D33         | 21°43          | 23°56          | 9°24           | F 12 |
| S 13 | 13 23 15 | 22°41'54          | 29°39          | 26°55          | 0 <b>Υ</b> 28  | 4° 6            | 15°12          | 19°31         | 3°12 | 21° 1  | 27° 9          | 21°33          | 21°39          | 24° 2          | 9°27           | S 13 |
| S 14 | 13 27 11 | 23°40'40          | 11 <b>米</b> 58 | 26°15          | 1°42           | 4°39            | 15° 9          | 19°38         | 3°13 | 21° 2  | 27° 9          | 21°34          | 21°36          | 24° 9          | 9°30           | S 14 |
| M15  | 13 31 8  | 24°39'25          | 24°33          | 25°32          | 2°55           | 5°12            | 15° 7          | 19°46         | 3°14 | 21° 2  | 27°10          | 21°34          | 21°33          | 24°16          | 9°33           | M15  |
| T 16 | 13 35 4  | 25°38'08          | 7 <b>Y</b> 25  | 24°49          | 4° 9           | 5°45            | 15° 4          | 19°53         | 3°15 | 21° 3  | 27°11          | 21°34          | 21°30          | 24°23          | 9°36           | T 16 |
| W17  | 13 39 1  | 26°36'48          | 20°35          | 24° 6          | 5°23           | 6°18            | 15° 1          | 20° 0         | 3°16 | 21° 3  | 27°12          | 21°R34         | 21°27          | 24°29          | 9°39           | W17  |
| T 18 | 13 42 57 | 27°35'27          | 4 <b>8</b> 3   | 23°22          | 6°36           | 6°51            | 14°59          | 20° 7         | 3°17 | 21° 4  | 27°12          | 21°34          | 21°23          | 24°36          | 9°41           | T 18 |
| F 19 | 13 46 54 | 28°34'04          | 17°46          | 22°41          | 7°50           | 7°25            | 14°55          | 20°15         | 3°18 | 21° 4  | 27°13          | 21°34          | 21°20          | 24°43          | 9°44           | F 19 |
| S 20 | 13 50 50 | 29°32'40          | 1 <b>Ⅱ</b> 44  | 22° 1          | 9° 3           | 7°58            | 14°52          | 20°22         | 3°19 | 21° 5  | 27°14          | 21°33          | 21°17          | 24°49          | 9°47           | S 20 |
| S 21 | 13 54 47 | 0 <b>8</b> 31'13  | 15°51          | 21°24          | 10°17          | 8°32            | 14°49          | 20°30         | 3°20 | 21° 6  | 27°15          | 21°32          | 21°14          | 24°56          | 9°50           | S 21 |
| M22  | 13 58 43 | 1°29'44           | 0              | 20°50          | 11°31          | 9° 5            | 14°45          | 20°37         | 3°21 | 21° 6  | 27°16          | 21°31          | 21°11          | 25° 3          | 9°53           | M22  |
| T 23 | 14 2 40  | 2°28'12           | 14°20          | 20°20          | 12°44          | 9°39            | 14°41          | 20°45         | 3°22 | 21° 7  | 27°17          | 21°30          | 21° 8          | 25°10          | 9°55           | T 23 |
| W24  | 14 6 37  | 3°26'39           | 28°36          | 19°54          | 13°58          | 10°13           | 14°37          | 20°52         | 3°23 | 21° 8  | 27°17          | 21°D29         | 21° 4          | 25°16          | 9°58           | W24  |
| T 25 | 14 10 33 | 4°25'03           | 12 <b>Ω</b> 48 | 19°32          | 15°11          | 10°46           | 14°33          | 21° 0         | 3°23 | 21° 8  | 27°18          | 21°30          | 21° 1          | 25°23          | 10° 1          | T 25 |
| F 26 | 14 14 30 | 5°23'26           | 26°54          | 19°15          | 16°25          | 11°20           | 14°29          | 21° 7         | 3°24 | 21° 9  | 27°19          | 21°30          | 20°58          | 25°30          | 10° 3          | F 26 |
| S 27 | 14 18 26 | 6°21'46           | 10 <b>m</b> 53 | 19° 2          | 17°38          | 11°54           | 14°24          | 21°15         | 3°24 | 21°10  | 27°20          | 21°31          | 20°55          | 25°37          | 10° 6          | S 27 |
| S 28 | 14 22 23 | 7°20'04           | 24°43          | 18°55          | 18°52          | 12°28           | 14°20          | 21°22         | 3°25 | 21°11  | 27°21          | 21°32          | 20°52          | 25°43          | 10°8           | S 28 |
| M29  | 14 26 19 | 8°18'19           | 8 <b>₾</b> 22  | 18°D52         | 20° 6          | 13° 2           | 14°15          | 21°30         | 3°25 | 21°12  | 27°22          | 21°33          | 20°49          | 25°50          | 10°11          | M29  |
| T 30 | 14 30 16 | 9 <b>8</b> 16'33  | 21 <b>≏</b> 49 | 18 <b>Y</b> 55 | 21 <b>Υ</b> 19 | 13936           | 14 <b>×</b> 10 | 21838         | 3≈26 | 219913 | 27 <b>Ⅲ</b> 23 | 21°R34         | 20 <b>℃</b> 45 | 25 <b>る</b> 57 | 10 <b>米</b> 13 | T 30 |

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| Day  | Sid.t    | 0        | D              | ğ             | ·              | δ             | 4               | ħ              | )∤(   | ¥      | В              | n              | ß              | Ç              | ę,             | Day  |
|------|----------|----------|----------------|---------------|----------------|---------------|-----------------|----------------|-------|--------|----------------|----------------|----------------|----------------|----------------|------|
| W 1  | 14 34 12 | 10814'45 | 5M 3           | 19 <b>Y</b> 2 | 22 <b>Y</b> 33 | 149510        | 14°R 5          | 21845          | 3≈26  | 219514 | 27 <b>Ⅲ</b> 24 | 21°R33         | 20 <b>Y</b> 42 | 26중 3          | 10 <b>米</b> 15 | W 1  |
| T 2  | 14 38 9  | 11°12'56 | 18° 2          | 19°13         | 23°46          | 14°44         | 14 <b>×7</b> 0  | 21°53          | 3°27  | 21°15  | 27°25          | 21 <b>Y</b> 32 | 20°39          | 26°10          | 10°18          | T 2  |
| F 3  | 14 42 6  | 12°11'05 | 0 <b>∡</b> 747 | 19°30         | 25° 0          | 15°18         | 13°54           | 22° 1          | 3°27  | 21°16  | 27°26          | 21°29          | 20°36          | 26°17          | 10°20          | F 3  |
| S 4  | 14 46 2  | 13° 9'12 | 13°18          | 19°51         | 26°13          | 15°53         | 13°49           | 22° 8          | 3°27  | 21°17  | 27°27          | 21°26          | 20°33          | 26°24          | 10°22          | S 4  |
| S 5  | 14 49 59 | 14° 7'18 | 25°36          | 20°16         | 27°27          | 16°27         | 13°43           | 22°16          | 3°27  | 21°18  | 27°29          | 21°23          | 20°29          | 26°30          | 10°24          | S 5  |
| M 6  | 14 53 55 | 15° 5'22 | 7 <b>云</b> 42  | 20°46         | 28°40          | 17° 1         | 13°37           | 22°24          | 3°27  | 21°19  | 27°30          | 21°19          | 20°26          | 26°37          | 10°26          | M 6  |
| T 7  | 14 57 52 | 16° 3'24 | 19°40          | 21°20         | 29°54          | 17°36         | 13°32           | 22°32          | 3°28  | 21°20  | 27°31          | 21°16          | 20°23          | 26°44          | 10°29          | T 7  |
| W 8  | 15 1 48  | 17° 1'26 | 1≈34           | 21°57         | 1 <b>8</b> 8   | 18°10         | 13°26           | 22°39          | 3°R28 | 21°21  | 27°32          | 21°14          | 20°20          | 26°50          | 10°31          | W 8  |
| T 9  | 15 5 45  | 17°59'26 | 13°27          | 22°39         | 2°21           | 18°44         | 13°19           | 22°47          | 3°28  | 21°22  | 27°33          | 21°D13         | 20°17          | 26°57          | 10°33          | T 9  |
| F 10 | 15 9 42  | 18°57'24 | 25°25          | 23°24         | 3°35           | 19°19         | 13°13           | 22°55          | 3°28  | 21°23  | 27°34          | 21°13          | 20°14          | 27° 4          | 10°35          | F 10 |
| S 11 | 15 13 38 | 19°55'21 | 7 <b>)</b> €31 | 24°13         | 4°48           | 19°53         | 13° 7           | 23° 2          | 3°27  | 21°25  | 27°35          | 21°14          | 20°10          | 27°11          | 10°36          | S 11 |
| S 12 | 15 17 35 | 20°53'17 | 19°51          | 25° 5         | 6° 2           | 20°28         | 13° 0           | 23°10          | 3°27  | 21°26  | 27°37          | 21°16          | 20° 7          | 27°17          | 10°38          | S 12 |
| M13  | 15 21 31 | 21°51'12 | 2 <b>Υ</b> 29  | 26° 0         | 7°15           | 21° 3         | 12°54           | 23°18          | 3°27  | 21°27  | 27°38          | 21°17          | 20° 4          | 27°24          | 10°40          | M13  |
| T 14 | 15 25 28 | 22°49'05 | 15°28          | 26°58         | 8°29           | 21°37         | 12°47           | 23°26          | 3°27  | 21°29  | 27°39          | 21°R18         | 20° 1          | 27°31          | 10°42          | T 14 |
| W15  | 15 29 24 | 23°46'57 | 28°50          | 28° 0         | 9°42           | 22°12         | 12°40           | 23°34          | 3°26  | 21°30  | 27°40          | 21°18          | 19°58          | 27°38          | 10°43          | W15  |
| T 16 | 15 33 21 | 24°44'47 | 12835          | 29° 4         | 10°56          | 22°47         | 12°33           | 23°41          | 3°26  | 21°31  | 27°41          | 21°16          | 19°55          | 27°44          | 10°45          | T 16 |
| F 17 | 15 37 17 | 25°42'37 | 26°42          | 0812          | 12°10          | 23°22         | 12°26           | 23°49          | 3°26  | 21°33  | 27°43          | 21°13          | 19°51          | 27°51          | 10°47          | F 17 |
| S 18 | 15 41 14 | 26°40'25 | 11 <b>II</b> 6 | 1°22          | 13°23          | 23°57         | 12°19           | 23°57          | 3°25  | 21°34  | 27°44          | 21° 9          | 19°48          | 27°58          | 10°48          | S 18 |
| S 19 | 15 45 11 | 27°38'11 | 25°41          | 2°35          | 14°37          | 24°32         | 12°12           | 24° 5          | 3°25  | 21°36  | 27°45          | 21° 3          | 19°45          | 28° 4          | 10°50          | S 19 |
| M20  | 15 49 7  | 28°35'57 | 109521         | 3°50          | 15°50          | 25° 7         | 12° 5           | 24°12          | 3°24  | 21°37  | 27°46          | 20°58          | 19°42          | 28°11          | 10°51          | M20  |
| T 21 | 15 53 4  | 29°33'40 | 24°58          | 5° 8          | 17° 4          | 25°42         | 11°58           | 24°20          | 3°24  | 21°38  | 27°48          | 20°53          | 19°39          | 28°18          | 10°52          | T 21 |
| W22  | 15 57 0  | 0∏31'22  | 9 <b>Ω</b> 27  | 6°29          | 18°17          | 26°17         | 11°50           | 24°28          | 3°23  | 21°40  | 27°49          | 20°50          | 19°35          | 28°25          | 10°54          | W22  |
| T 23 | 16 0 57  | 1°29'02  | 23°44          | 7°52          | 19°31          | 26°52         | 11°43           | 24°36          | 3°22  | 21°42  | 27°50          | 20°48          | 19°32          | 28°31          | 10°55          | T 23 |
| F 24 | 16 4 53  | 2°26'41  | 7 Mp 46        | 9°18          | 20°44          | 27°27         | 11°36           | 24°43          | 3°22  | 21°43  | 27°52          | 20°D48         | 19°29          | 28°38          | 10°56          | F 24 |
| S 25 | 16 8 50  | 3°24'18  | 21°32          | 10°46         | 21°58          | 28° 2         | 11°28           | 24°51          | 3°21  | 21°45  | 27°53          | 20°49          | 19°26          | 28°45          | 10°57          | S 25 |
| S 26 | 16 12 46 | 4°21'53  | 5 <b>₾</b> 3   | 12°17         | 23°12          | 28°37         | 11°21           | 24°59          | 3°20  | 21°46  | 27°54          | 20°50          | 19°23          | 28°51          | 10°59          | S 26 |
| M27  | 16 16 43 | 5°19'27  | 18°19          | 13°50         | 24°25          | 29°13         | 11°13           | 25° 6          | 3°19  | 21°48  | 27°56          | 20°R51         | 19°20          | 28°58          | 11° 0          | M27  |
| T 28 | 16 20 40 | 6°17'00  | 1 <b>M</b> 23  | 15°25         | 25°39          | 29°48         | 11° 6           | 25°14          | 3°18  | 21°50  | 27°57          | 20°51          | 19°16          | 29° 5          | 11° 1          | T 28 |
| W29  | 16 24 36 | 7°14'32  | 14°14          | 17° 3         | 26°52          | $0\Omega 23$  | 10°58           | 25°22          | 3°17  | 21°51  | 27°58          | 20°48          | 19°13          | 29°12          | 11° 2          | W29  |
| T 30 | 16 28 33 | 8°12'02  | 26°55          | 18°44         | 28° 6          | 0°59          | 10°50           | 25°29          | 3°16  | 21°53  | 28° 0          | 20°44          | 19°10          | 29°18          | 11° 2          | T 30 |
| F 31 | 16 32 29 | 9耳 9'31  | 9 <b>∡</b> 124 | 20826         | 29 <b>8</b> 19 | 1 <b>Ω</b> 34 | 10 <b>∡</b> 143 | 25 <b>8</b> 37 | 3≈15  | 21955  | 28耳 1          | 20 <b>Y</b> 37 | 19 <b>℃</b> 7  | 29 <b>る</b> 25 | 11 <b>米</b> 3  | F 31 |

Delta T = 14.18 sec

JUNE 1912 00:00 UT

| Day  | Sid.t    | $\odot$          | D               | φ             | φ     | ð              | 4              | ħ              | )f(   | <del>\f</del> | Р     | ₽.             | Ω              | Ç              | ę,            | Day  |
|------|----------|------------------|-----------------|---------------|-------|----------------|----------------|----------------|-------|---------------|-------|----------------|----------------|----------------|---------------|------|
| S 1  | 16 36 26 | 10 <b>I</b> 6'59 | 21 <b>×7</b> 44 | 22811         | 0Д33  | 2 <b>N</b> 9   | 10°R35         | 25 <b>8</b> 45 | 3°R14 | 219556        | 28耳 2 | 20°R29         | 19 <b>Ƴ</b> 4  | 29 <b>궁</b> 32 | 11 <b>)</b> 4 | S 1  |
| S 2  | 16 40 22 | 11° 4'27         | 3 <b>ප</b> 54   | 23°59         | 1°46  | 2°45           | 10 <b>∡</b> 27 | 25°52          | 3≈13  | 21°58         | 28° 4 | 20 <b>Υ</b> 20 | 19° 1          | 29°39          | 11° 5         | S 2  |
| M 3  | 16 44 19 | 12° 1'53         | 15°56           | 25°49         | 3° 0  | 3°20           | 10°20          | 26° 0          | 3°12  | 22° 0         | 28° 5 | 20°10          | 18°57          | 29°45          | 11° 5         | M 3  |
| T 4  | 16 48 15 | 12°59'19         | 27°52           | 27°41         | 4°13  | 3°56           | 10°12          | 26° 7          | 3°11  | 22° 2         | 28° 7 | 20° 2          | 18°54          | 29°52          | 11° 6         | T 4  |
| W 5  | 16 52 12 | 13°56'43         | 9≈44            | 29°35         | 5°27  | 4°31           | 10° 5          | 26°15          | 3° 9  | 22° 4         | 28° 8 | 19°55          | 18°51          | 29°59          | 11° 7         | W 5  |
| T 6  | 16 56 9  | 14°54'07         | 21°36           | 1 <b>Ⅲ</b> 32 | 6°41  | 5° 7           | 9°57           | 26°22          | 3° 8  | 22° 5         | 28° 9 | 19°50          | 18°48          | 0≈ 5           | 11° 7         | T 6  |
| F 7  | 17 0 5   | 15°51'31         | 3 <b>∺</b> 32   | 3°31          | 7°54  | 5°43           | 9°49           | 26°30          | 3° 7  | 22° 7         | 28°11 | 19°47          | 18°45          | 0°12           | 11° 7         | F 7  |
| S 8  | 17 4 2   | 16°48'53         | 15°36           | 5°31          | 9° 8  | 6°18           | 9°42           | 26°37          | 3° 5  | 22° 9         | 28°12 | 19°D46         | 18°41          | 0°19           | 11° 8         | S 8  |
| S 9  | 17 7 58  | 17°46'16         | 27°54           | 7°34          | 10°21 | 6°54           | 9°34           | 26°45          | 3° 4  | 22°11         | 28°14 | 19°46          | 18°38          | 0°26           | 11°8          | S 9  |
| M10  | 17 11 55 | 18°43'37         | 10 <b>Y</b> 30  | 9°39          | 11°35 | 7°30           | 9°27           | 26°52          | 3° 2  | 22°13         | 28°15 | 19°47          | 18°35          | 0°32           | 11° 8         | M10  |
| T 11 | 17 15 51 | 19°40'58         | 23°29           | 11°46         | 12°48 | 8° 5           | 9°19           | 26°59          | 3° 1  | 22°15         | 28°16 | 19°R47         | 18°32          | 0°39           | 11° 9         | T 11 |
| W12  | 17 19 48 | 20°38'19         | 6 <b>8</b> 53   | 13°54         | 14° 2 | 8°41           | 9°12           | 27° 7          | 2°59  | 22°17         | 28°18 | 19°46          | 18°29          | 0°46           | 11° 9         | W12  |
| T 13 | 17 23 44 | 21°35'39         | 20°46           | 16° 3         | 15°16 | 9°17           | 9° 5           | 27°14          | 2°58  | 22°19         | 28°19 | 19°43          | 18°26          | 0°52           | 11° 9         | T 13 |
| F 14 | 17 27 41 | 22°32'59         | 5 <b>Ⅱ</b> 6    | 18°13         | 16°29 | 9°53           | 8°57           | 27°21          | 2°56  | 22°21         | 28°21 | 19°37          | 18°22          | 0°59           | 11°R 9        | F 14 |
| S 15 | 17 31 38 | 23°30'19         | 19°48           | 20°24         | 17°43 | 10°29          | 8°50           | 27°29          | 2°54  | 22°23         | 28°22 | 19°29          | 18°19          | 1° 6           | 11° 9         | S 15 |
| S 16 | 17 35 34 | 24°27'37         | 49945           | 22°36         | 18°57 | 11° 5          | 8°43           | 27°36          | 2°53  | 22°25         | 28°24 | 19°20          | 18°16          | 1°13           | 11° 9         | S 16 |
| M17  | 17 39 31 | 25°24'56         | 19°49           | 24°48         | 20°10 | 11°41          | 8°36           | 27°43          | 2°51  | 22°27         | 28°25 | 19°10          | 18°13          | 1°19           | 11° 9         | M17  |
| T 18 | 17 43 27 | 26°22'13         | 4 <b>Ω</b> 49   | 26°59         | 21°24 | 12°17          | 8°29           | 27°50          | 2°49  | 22°29         | 28°27 | 19° 1          | 18°10          | 1°26           | 11° 9         | T 18 |
| W19  | 17 47 24 | 27°19'30         | 19°37           | 29°11         | 22°37 | 12°53          | 8°22           | 27°57          | 2°48  | 22°31         | 28°28 | 18°55          | 18° 7          | 1°33           | 11° 8         | W19  |
| T 20 | 17 51 20 | 28°16'46         | 4MD 6           | 19522         | 23°51 | 13°29          | 8°15           | 28° 5          | 2°46  | 22°33         | 28°29 | 18°50          | 18° 3          | 1°40           | 11° 8         | T 20 |
| F 21 | 17 55 17 | 29°14'01         | 18°13           | 3°32          | 25° 5 | 14° 5          | 8° 8           | 28°12          | 2°44  | 22°35         | 28°31 | 18°48          | 18° 0          | 1°46           | 11° 8         | F 21 |
| S 22 | 17 59 13 | 09911'15         | 1 <b>≏</b> 57   | 5°41          | 26°18 | 14°41          | 8° 2           | 28°19          | 2°42  | 22°37         | 28°32 | 18°D48         | 17°57          | 1°53           | 11° 7         | S 22 |
| S 23 | 18 3 10  | 1° 8'29          | 15°20           | 7°49          | 27°32 | 15°18          | 7°55           | 28°26          | 2°40  | 22°39         | 28°34 | 18°R48         | 17°54          | 2° 0           | 11° 7         | S 23 |
| M24  | 18 7 7   | 2° 5'42          | 28°24           | 9°55          | 28°46 | 15°54          | 7°49           | 28°32          | 2°38  | 22°41         | 28°35 | 18°48          | 17°51          | 2° 6           | 11° 6         | M24  |
| T 25 | 18 11 3  | 3° 2'55          | 11 <b>M</b> 13  | 12° 0         | 29°59 | 16°30          | 7°42           | 28°39          | 2°36  | 22°43         | 28°37 | 18°46          | 17°47          | 2°13           | 11° 6         | T 25 |
| W26  | 18 15 0  | 4° 0'07          | 23°48           | 14° 3         | 19913 | 17° 6          | 7°36           | 28°46          | 2°34  | 22°46         | 28°38 | 18°42          | 17°44          | 2°20           | 11° 5         | W26  |
| T 27 | 18 18 56 | 4°57'18          | 6 <b>₹</b> 12   | 16° 5         | 2°27  | 17°43          | 7°30           | 28°53          | 2°32  | 22°48         | 28°39 | 18°35          | 17°41          | 2°27           | 11° 4         | T 27 |
| F 28 | 18 22 53 | 5°54'30          | 18°27           | 18° 4         | 3°40  | 18°19          | 7°24           | 29° 0          | 2°30  | 22°50         | 28°41 | 18°25          | 17°38          | 2°33           | 11° 4         | F 28 |
| S 29 | 18 26 49 | 6°51'41          | 0 <b>궁</b> 36   | 20° 2         | 4°54  | 18°55          | 7°18           | 29° 6          | 2°28  | 22°52         | 28°42 | 18°13          | 17°35          | 2°40           | 11° 3         | S 29 |
| S 30 | 18 30 46 | 79548'52         | 12 <b>る</b> 37  | 21958         | 69 8  | 19 <b>Ω</b> 32 | 7 <b>,</b> ₹13 | 29813          | 2≈26  | 22954         | 28∏44 | 18 <b>Y</b> 0  | 17 <b>Y</b> 32 | 2≈47           | 11 <b>米</b> 2 | S 30 |

Delta T = 14.29 sec

JULY 1912 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ             | ·              | ď              | 4             | ħ              | )f(   | ¥      | Р     | ß              | ß              | Ç    | ę,             | Day  |
|------|----------|------------------|----------------|---------------|----------------|----------------|---------------|----------------|-------|--------|-------|----------------|----------------|------|----------------|------|
| M 1  | 18 34 43 | 89546'03         | 24 <b>궁</b> 34 | 23951         | 79522          | 20 <b>N</b> 8  | 7°R 7         | 29 <b>8</b> 20 | 2°R24 | 22956  | 28∏45 | 17°R46         | 17 <b>Y</b> 28 | 2≈53 | 11°R 1         | M 1  |
| T 2  | 18 38 39 | 9°43'13          | 6≈27           | 25°43         | 8°35           | 20°45          | 7 <b>.₹</b> 2 | 29°26          | 2≈22  | 22°59  | 28°47 | 17 <b>Y</b> 34 | 17°25          | 3° 0 | 11 <b>米</b> 0  | T 2  |
| W 3  | 18 42 36 | 10°40'24         | 18°18          | 27°33         | 9°49           | 21°21          | 6°56          | 29°33          | 2°20  | 23° 1  | 28°48 | 17°23          | 17°22          | 3° 7 | 10°59          | W 3  |
| T 4  | 18 46 32 | 11°37'35         | 0 <b>∺</b> 10  | 29°20         | 11° 3          | 21°58          | 6°51          | 29°39          | 2°17  | 23° 3  | 28°49 | 17°15          | 17°19          | 3°14 | 10°58          | T 4  |
| F 5  | 18 50 29 | 12°34'46         | 12° 6          | 1 <b>N</b> 6  | 12°16          | 22°34          | 6°46          | 29°46          | 2°15  | 23° 5  | 28°51 | 17°10          | 17°16          | 3°20 | 10°57          | F 5  |
| S 6  | 18 54 25 | 13°31'57         | 24° 9          | 2°49          | 13°30          | 23°11          | 6°41          | 29°52          | 2°13  | 23° 7  | 28°52 | 17° 7          | 17°13          | 3°27 | 10°56          | S 6  |
| S 7  | 18 58 22 | 14°29'09         | 6 <b>Ƴ</b> 25  | 4°30          | 14°44          | 23°48          | 6°37          | 29°58          | 2°11  | 23° 9  | 28°54 | 17° 6          | 17° 9          | 3°34 | 10°55          | S 7  |
| M 8  | 19 2 18  | 15°26'21         | 18°58          | 6°10          | 15°58          | 24°24          | 6°32          | 0 <b>I</b> 5   | 2° 9  | 23°12  | 28°55 | 17° 6          | 17° 6          | 3°40 | 10°54          | M 8  |
| T 9  | 19 6 15  | 16°23'33         | 1 <b>8</b> 53  | 7°47          | 17°12          | 25° 1          | 6°28          | 0°11           | 2° 6  | 23°14  | 28°56 | 17° 6          | 17° 3          | 3°47 | 10°52          | T 9  |
| W10  | 19 10 12 | 17°20'46         | 15°14          | 9°22          | 18°25          | 25°38          | 6°23          | 0°17           | 2° 4  | 23°16  | 28°58 | 17° 4          | 17° 0          | 3°54 | 10°51          | W10  |
| T 11 | 19 14 8  | 18°18'00         | 29° 5          | 10°55         | 19°39          | 26°14          | 6°19          | 0°23           | 2° 2  | 23°18  | 28°59 | 17° 0          | 16°57          | 4° 1 | 10°49          | T 11 |
| F 12 | 19 18 5  | 19°15'14         | 13 <b>Ⅱ</b> 25 | 12°26         | 20°53          | 26°51          | 6°15          | 0°29           | 1°59  | 23°21  | 29° 1 | 16°53          | 16°53          | 4° 7 | 10°48          | F 12 |
| S 13 | 19 22 1  | 20°12'28         | 28°11          | 13°55         | 22° 7          | 27°28          | 6°11          | 0°35           | 1°57  | 23°23  | 29° 2 | 16°45          | 16°50          | 4°14 | 10°47          | S 13 |
| S 14 | 19 25 58 | 21° 9'43         | 139517         | 15°22         | 23°21          | 28° 5          | 6° 8          | 0°41           | 1°55  | 23°25  | 29° 3 | 16°34          | 16°47          | 4°21 | 10°45          | S 14 |
| M15  | 19 29 54 | 22° 6'58         | 28°34          | 16°46         | 24°35          | 28°42          | 6° 4          | 0°47           | 1°52  | 23°27  | 29° 5 | 16°23          | 16°44          | 4°28 | 10°43          | M15  |
| T 16 | 19 33 51 | 23° 4'14         | 13 <b>Ω</b> 49 | 18° 9         | 25°48          | 29°19          | 6° 1          | 0°53           | 1°50  | 23°29  | 29° 6 | 16°14          | 16°41          | 4°34 | 10°42          | T 16 |
| W17  | 19 37 47 | 24° 1'30         | 28°52          | 19°29         | 27° 2          | 29°56          | 5°58          | 0°58           | 1°48  | 23°32  | 29° 7 | 16° 6          | 16°38          | 4°41 | 10°40          | W17  |
| T 18 | 19 41 44 | 24°58'45         | 13 <b>M</b> 35 | 20°47         | 28°16          | 0 <b>m</b> 33  | 5°55          | 1° 4           | 1°45  | 23°34  | 29° 9 | 16° 0          | 16°34          | 4°48 | 10°38          | T 18 |
| F 19 | 19 45 41 | 25°56'01         | 27°53          | 22° 3         | 29°30          | 1°10           | 5°52          | 1° 9           | 1°43  | 23°36  | 29°10 | 15°57          | 16°31          | 4°54 | 10°37          | F 19 |
| S 20 | 19 49 37 | 26°53'18         | 11 <b>≏</b> 44 | 23°16         | 0 <b>Ω</b> 44  | 1°47           | 5°50          | 1°15           | 1°40  | 23°38  | 29°11 | 15°D57         | 16°28          | 5° 1 | 10°35          | S 20 |
| S 21 | 19 53 34 | 27°50'34         | 25° 9          | 24°27         | 1°58           | 2°24           | 5°47          | 1°20           | 1°38  | 23°41  | 29°13 | 15°R57         | 16°25          | 5° 8 | 10°33          | S 21 |
| M22  | 19 57 30 | 28°47'51         | 8 <b>M</b> .10 | 25°35         | 3°12           | 3° 1           | 5°45          | 1°26           | 1°36  | 23°43  | 29°14 | 15°56          | 16°22          | 5°15 | 10°31          | M22  |
| T 23 | 20 1 27  | 29°45'08         | 20°52          | 26°41         | 4°26           | 3°38           | 5°43          | 1°31           | 1°33  | 23°45  | 29°15 | 15°55          | 16°19          | 5°21 | 10°29          | T 23 |
| W24  | 20 5 23  | 0 <b>Ω</b> 42'26 | 3 <b>,</b> ₹19 | 27°44         | 5°40           | 4°16           | 5°41          | 1°36           | 1°31  | 23°47  | 29°16 | 15°51          | 16°15          | 5°28 | 10°27          | W24  |
| T 25 | 20 9 20  | 1°39'44          | 15°33          | 28°44         | 6°53           | 4°53           | 5°40          | 1°41           | 1°28  | 23°49  | 29°18 | 15°44          | 16°12          | 5°35 | 10°25          | T 25 |
| F 26 | 20 13 16 | 2°37'02          | 2 <u>7</u> °39 | 29°41         | 8° 7           | 5°30           | 5°38          | 1°46           | 1°26  | 23°52  | 29°19 | 15°35          | 16° 9          | 5°41 | 10°23          | F 26 |
| S 27 | 20 17 13 | 3°34'21          | 9 <b>궁</b> 39  | 0 <b>m</b> 35 | 9°21           | 6° 7           | 5°37          | 1°51           | 1°24  | 23°54  | 29°20 | 15°24          | 16° 6          | 5°48 | 10°21          | S 27 |
| S 28 | 20 21 10 | 4°31'41          | 21°34          | 1°27          | 10°35          | 6°45           | 5°36          | 1°56           | 1°21  | 23°56  | 29°21 | 15°11          | 16° 3          | 5°55 | 10°19          | S 28 |
| M29  | 20 25 6  | 5°29'01          | 3≈27           | 2°14          | 11°49          | 7°22           | 5°35          | 2° 1           | 1°19  | 23°58  | 29°23 | 14°59          | 15°59          | 6° 2 | 10°16          | M29  |
| T 30 | 20 29 3  | 6°26'22          | 15°19          | 2°59          | 13° 3          | 7°59           | 5°34          | 2° 6           | 1°16  | 24° 0  | 29°24 | 14°47          | 15°56          | 6° 8 | 10°14          | T 30 |
| W31  | 20 32 59 | 7 <b>Ω</b> 23'44 | 27≈12          | 3 <b>M</b> 40 | 14 <b>Ω</b> 17 | 8 <b>m</b> /37 | 5 <b>₹</b> 34 | 2 <b>Ⅱ</b> 11  | 1≈14  | 2499 3 | 29∏25 | 14 <b>Y</b> 37 | 15 <b>℃</b> 53 | 6≈15 | 10 <b>米</b> 12 | W31  |

Delta T = 14.40 sec

AUGUST 1912 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | δ              | 4             | ħ             | )∤(   | ¥      | Р     | ß              | ಬ              | Ç    | ę,            | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|---------------|---------------|-------|--------|-------|----------------|----------------|------|---------------|------|
| T 1  | 20 36 56 | 8 <b>Ω</b> 21'07 | 9 <b>米</b> 6   | 4 M) 17        | 15 <b>Ω</b> 31 | 9 <b>m</b> )14 | 5°R33         | 2 <b>I</b> I5 | 1°R12 | 2499 5 | 29∏26 | 14°R29         | 15 <b>Y</b> 50 | 6≈22 | 10°R10        | T 1  |
| F 2  | 20 40 52 | 9°18'31          | 21° 6          | 4°50           | 16°45          | 9°52           | 5 <b>₹</b> 33 | 2°20          | 1≈ 9  | 24° 7  | 29°27 | 14 <b>Y</b> 24 | 15°47          | 6°28 | 10 <b>)</b> 7 | F 2  |
| S 3  | 20 44 49 | 10°15'55         | 3 <b>Υ</b> 13  | 5°19           | 17°59          | 10°29          | 5°D33         | 2°24          | 1° 7  | 24° 9  | 29°28 | 14°22          | 15°44          | 6°35 | 10° 5         | S 3  |
| S 4  | 20 48 45 | 11°13'21         | 15°31          | 5°43           | 19°13          | 11° 7          | 5°33          | 2°29          | 1° 5  | 24°11  | 29°30 | 14°D21         | 15°40          | 6°42 | 10° 3         | S 4  |
| M 5  | 20 52 42 | 12°10'49         | 28° 5          | 6° 3           | 20°27          | 11°45          | 5°33          | 2°33          | 1° 2  | 24°13  | 29°31 | 14°22          | 15°37          | 6°49 | 10° 0         | M 5  |
| T 6  | 20 56 39 | 13° 8'17         | 10858          | 6°19           | 21°41          | 12°22          | 5°34          | 2°37          | 1° 0  | 24°16  | 29°32 | 14°R22         | 15°34          | 6°55 | 9°58          | T 6  |
| W 7  | 21 0 35  | 14° 5'47         | 24°15          | 6°29           | 22°55          | 13° 0          | 5°35          | 2°41          | 0°58  | 24°18  | 29°33 | 14°22          | 15°31          | 7° 2 | 9°55          | W 7  |
| T 8  | 21 4 32  | 15° 3'19         | 7耳58           | 6°35           | 24° 9          | 13°38          | 5°36          | 2°45          | 0°55  | 24°20  | 29°34 | 14°19          | 15°28          | 7° 9 | 9°53          | T 8  |
| F 9  | 21 8 28  | 16° 0'51         | 22°10          | 6°R35          | 25°23          | 14°15          | 5°37          | 2°49          | 0°53  | 24°22  | 29°35 | 14°15          | 15°25          | 7°15 | 9°50          | F 9  |
| S 10 | 21 12 25 | 16°58'25         | 6947           | 6°30           | 26°37          | 14°53          | 5°38          | 2°53          | 0°51  | 24°24  | 29°36 | 14° 9          | 15°21          | 7°22 | 9°48          | S 10 |
| S 11 | 21 16 21 | 17°56'01         | 21°47          | 6°19           | 27°51          | 15°31          | 5°39          | 2°57          | 0°48  | 24°26  | 29°37 | 14° 1          | 15°18          | 7°29 | 9°45          | S 11 |
| M12  | 21 20 18 | 18°53'38         | 7 <b>Ω</b> 0   | 6° 3           | 29° 5          | 16° 9          | 5°41          | 3° 1          | 0°46  | 24°28  | 29°38 | 13°53          | 15°15          | 7°36 | 9°42          | M12  |
| T 13 | 21 24 15 | 19°51'16         | 22°16          | 5°42           | 0 <b>m</b> )19 | 16°47          | 5°43          | 3° 4          | 0°44  | 24°30  | 29°39 | 13°45          | 15°12          | 7°42 | 9°40          | T 13 |
| W14  | 21 28 11 | 20°48'55         | 7 <b>m</b> 24  | 5°15           | 1°33           | 17°25          | 5°45          | 3° 8          | 0°42  | 24°32  | 29°40 | 13°39          | 15° 9          | 7°49 | 9°37          | W14  |
| T 15 | 21 32 8  | 21°46'35         | 22°14          | 4°43           | 2°48           | 18° 3          | 5°47          | 3°11          | 0°40  | 24°34  | 29°41 | 13°35          | 15° 5          | 7°56 | 9°34          | T 15 |
| F 16 | 21 36 4  | 22°44'16         | 6 <b>≏</b> 41  | 4° 6           | 4° 2           | 18°41          | 5°49          | 3°14          | 0°37  | 24°36  | 29°42 | 13°33          | 15° 2          | 8° 2 | 9°32          | F 16 |
| S 17 | 21 40 1  | 23°41'59         | 20°40          | 3°25           | 5°16           | 19°19          | 5°52          | 3°18          | 0°35  | 24°38  | 29°43 | 13°D33         | 14°59          | 8° 9 | 9°29          | S 17 |
| S 18 | 21 43 57 | 24°39'42         | 4 <b>M</b> .12 | 2°39           | 6°30           | 19°57          | 5°55          | 3°21          | 0°33  | 24°40  | 29°44 | 13°34          | 14°56          | 8°16 | 9°26          | S 18 |
| M19  | 21 47 54 | 25°37'27         | 17°18          | 1°51           | 7°44           | 20°35          | 5°57          | 3°24          | 0°31  | 24°42  | 29°45 | 13°35          | 14°53          | 8°23 | 9°24          | M19  |
| T 20 | 21 51 50 | 26°35'13         | 0 <b>才</b> 1   | 1° 0           | 8°58           | 21°13          | 6° 0          | 3°27          | 0°29  | 24°44  | 29°46 | 13°R35         | 14°50          | 8°29 | 9°21          | T 20 |
| W21  | 21 55 47 | 27°33'00         | 12°26          | 0° 7           | 10°12          | 21°51          | 6° 4          | 3°29          | 0°27  | 24°46  | 29°46 | 13°34          | 14°46          | 8°36 | 9°18          | W21  |
| T 22 | 21 59 43 | 28°30'48         | 24°37          | 29 <b>Ω</b> 14 | 11°26          | 22°30          | 6° 7          | 3°32          | 0°25  | 24°48  | 29°47 | 13°31          | 14°43          | 8°43 | 9°15          | T 22 |
| F 23 | 22 3 40  | 29°28'37         | 6 <b>궁</b> 39  | 28°22          | 12°40          | 23° 8          | 6°11          | 3°35          | 0°23  | 24°50  | 29°48 | 13°26          | 14°40          | 8°49 | 9°12          | F 23 |
| S 24 | 22 7 37  | 0 <b>m</b> 26'28 | 18°34          | 27°31          | 13°54          | 23°46          | 6°14          | 3°37          | 0°21  | 24°52  | 29°49 | 13°19          | 14°37          | 8°56 | 9°10          | S 24 |
| S 25 | 22 11 33 | 1°24'20          | 0≈26           | 26°42          | 15° 8          | 24°24          | 6°18          | 3°40          | 0°19  | 24°54  | 29°50 | 13°12          | 14°34          | 9° 3 | 9° 7          | S 25 |
| M26  | 22 15 30 | 2°22'13          | 12°18          | 25°57          | 16°22          | 25° 3          | 6°22          | 3°42          | 0°17  | 24°56  | 29°51 | 13° 4          | 14°31          | 9°10 | 9° 4          | M26  |
| T 27 | 22 19 26 | 3°20'07          | 24°12          | 25°17          | 17°36          | 25°41          | 6°27          | 3°44          | 0°15  | 24°58  | 29°51 | 12°57          | 14°27          | 9°16 | 9° 1          | T 27 |
| W28  | 22 23 23 | 4°18'04          | 6 <b>∺</b> 9   | 24°43          | 18°51          | 26°20          | 6°31          | 3°46          | 0°13  | 24°59  | 29°52 | 12°51          | 14°24          | 9°23 | 8°58          | W28  |
| T 29 | 22 27 19 | 5°16'01          | 18°11          | 24°15          | 20° 5          | 26°58          | 6°36          | 3°48          | 0°11  | 25° 1  | 29°53 | 12°47          | 14°21          | 9°30 | 8°55          | T 29 |
| F 30 | 22 31 16 | 6°14'00          | 0 <b>Υ</b> 20  | 23°54          | 21°19          | 27°37          | 6°41          | 3°50          | 0°10  | 25° 3  | 29°53 | 12°44          | 14°18          | 9°36 | 8°53          | F 30 |
| S 31 | 22 35 12 | 7 Mp 12'02       | 12 <b>Y</b> 37 | 23 <b>Ω</b> 41 | 22 Mp 33       | 28 Mp 15       | 6 <b>₮</b> 45 | 3 <b>Ⅱ</b> 52 | 0≈ 8  | 2595 5 | 29∏54 | 12°D43         | 14 <b>Y</b> 15 | 9≈43 | 8 <b>¥</b> 50 | S 31 |

Delta T = 14.51 sec

SEPTEMBER 1912 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | φ              | ♂              | 4              | ħ             | )f(            | 卉      | Р     | ß              | v              | Ç             | ç               | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|----------------|---------------|----------------|--------|-------|----------------|----------------|---------------|-----------------|------|
| S 1  | 22 39 9  | 8 Mp 10'04       | 25 <b>Y</b> 6   | 23°D36         | 23 Mp 47       | 28 <b>m</b> 54 | 6 <b>₹</b> 150 | 3 <b>Ⅱ</b> 54 | 0°R 6          | 259 6  | 29耳55 | 12 <b>Y</b> 44 | 14 <b>Y</b> 11 | 9≈50          | 8°R47           | S 1  |
| M 2  | 22 43 6  | 9° 8'09          | 7 <b>8</b> 47   | 23 <b>Ω</b> 40 | 25° 1          | 29°33          | 6°56           | 3°55          | 0≈ 4           | 25° 8  | 29°55 | 12°45          | 14° 8          | 9°56          | 8 <b>) (</b> 44 | M 2  |
| T 3  | 22 47 2  | 10° 6'16         | 20°46           | 23°52          | 26°15          | 0 <b>ჲ</b> 11  | 7° 1           | 3°57          | 0° 3           | 25°10  | 29°56 | 12°47          | 14° 5          | 10° 3         | 8°41            | T 3  |
| W 4  | 22 50 59 | 11° 4'25         | 4 <b>Ⅱ</b> 3    | 24°12          | 27°29          | 0°50           | 7° 7           | 3°58          | 0° 1           | 25°12  | 29°57 | 12°48          | 14° 2          | 10°10         | 8°38            | W 4  |
| T 5  | 22 54 55 | 12° 2'36         | 17°42           | 24°42          | 28°43          | 1°29           | 7°12           | 4° 0          | 29 <b>궁</b> 59 | 25°13  | 29°57 | 12°R48         | 13°59          | 10°17         | 8°35            | T 5  |
| F 6  | 22 58 52 | 13° 0'48         | 19543           | 25°19          | 29°57          | 2° 7           | 7°18           | 4° 1          | 29°58          | 25°15  | 29°58 | 12°47          | 13°56          | 10°23         | 8°33            | F 6  |
| S 7  | 23 2 48  | 13°59'03         | 16° 6           | 26° 5          | 1 <b>≏</b> 11  | 2°46           | 7°24           | 4° 2          | 29°56          | 25°16  | 29°58 | 12°44          | 13°52          | 10°30         | 8°30            | S 7  |
| S 8  | 23 6 45  | 14°57'21         | 0 <b>Ω</b> 48   | 26°59          | 2°25           | 3°25           | 7°30           | 4° 3          | 29°55          | 25°18  | 29°59 | 12°41          | 13°49          | 10°37         | 8°27            | S 8  |
| M 9  | 23 10 41 | 15°55'40         | 15°43           | 28° 0          | 3°40           | 4° 4           | 7°37           | 4° 4          | 29°54          | 25°20  | 29°59 | 12°37          | 13°46          | 10°43         | 8°24            | M 9  |
| T 10 | 23 14 38 | 16°54'00         | 0 <b>m</b> 43   | 29° 8          | 4°54           | 4°43           | 7°43           | 4° 4          | 29°52          | 25°21  | 29°59 | 12°34          | 13°43          | 10°50         | 8°21            | T 10 |
| W11  | 23 18 35 | 17°52'23         | 15°40           | 0 <b>m</b> 22  | 6° 8           | 5°22           | 7°50           | 4° 5          | 29°51          | 25°23  | 0න 0  | 12°31          | 13°40          | 10°57         | 8°18            | W11  |
| T 12 | 23 22 31 | 18°50'48         | 0 <b>ჲ</b> 26   | 1°42           | 7°22           | 6° 1           | 7°56           | 4° 6          | 29°49          | 25°24  | 0° 1  | 12°29          | 13°37          | 11° 4         | 8°16            | T 12 |
| F 13 | 23 26 28 | 19°49'14         | 14°52           | 3° 8           | 8°36           | 6°40           | 8° 3           | 4° 6          | 29°48          | 25°26  | 0° 1  | 12°D29         | 13°33          | 11°10         | 8°13            | F 13 |
| S 14 | 23 30 24 | 20°47'42         | 28°54           | 4°38           | 9°50           | 7°19           | 8°10           | 4° 6          | 29°47          | 25°27  | 0° 1  | 12°30          | 13°30          | 11°17         | 8°10            | S 14 |
| S 15 | 23 34 21 | 21°46'12         | 12 <b>M</b> 31  | 6°12           | 11° 4          | 7°59           | 8°18           | 4° 7          | 29°46          | 25°29  | 0° 2  | 12°31          | 13°27          | 11°24         | 8° 7            | S 15 |
| M16  | 23 38 17 | 22°44'44         | 25°42           | 7°50           | 12°18          | 8°38           | 8°25           | 4°R 7         | 29°45          | 25°30  | 0° 2  | 12°32          | 13°24          | 11°30         | 8° 5            | M16  |
| T 17 | 23 42 14 | 23°43'17         | 8 <b>₮</b> 30   | 9°32           | 13°32          | 9°17           | 8°32           | 4° 7          | 29°44          | 25°31  | 0° 2  | 12°34          | 13°21          | 11°37         | 8° 2            | T 17 |
| W18  | 23 46 10 | 24°41'52         | 20°58           | 11°15          | 14°46          | 9°56           | 8°40           | 4° 7          | 29°42          | 25°33  | 0° 3  | 12°R34         | 13°17          | 11°44         | 7°59            | W18  |
| T 19 | 23 50 7  | 25°40'28         | 3 <b>ਰ</b> 11   | 13° 1          | 16° 0          | 10°36          | 8°48           | 4° 6          | 29°41          | 25°34  | 0° 3  | 12°34          | 13°14          | 11°50         | 7°56            | T 19 |
| F 20 | 23 54 4  | 26°39'07         | 15°12           | 14°48          | 17°14          | 11°15          | 8°56           | 4° 6          | 29°40          | 25°35  | 0° 3  | 12°33          | 13°11          | 11°57         | 7°54            | F 20 |
| S 21 | 23 58 0  | 27°37'47         | 27° 6           | 16°36          | 18°28          | 11°55          | 9° 4           | 4° 6          | 29°40          | 25°36  | 0° 3  | 12°32          | 13° 8          | 12° 4         | 7°51            | S 21 |
| S 22 | 0 157    | 28°36'28         | 8≈58            | 18°26          | 19°42          | 12°34          | 9°12           | 4° 5          | 29°39          | 25°38  | 0° 4  | 12°30          | 13° 5          | 12°11         | 7°48            | S 22 |
| M23  | 0 5 53   | 29°35'12         | 20°51           | 20°16          | 20°56          | 13°14          | 9°20           | 4° 4          | 29°38          | 25°39  | 0° 4  | 12°28          | 13° 2          | 12°17         | 7°46            | M23  |
| T 24 | 0 9 50   | 0 <b>ჲ</b> 33'57 | 2 <b>) (</b> 47 | 22° 6          | 22°10          | 13°53          | 9°28           | 4° 4          | 29°37          | 25°40  | 0° 4  | 12°26          | 12°58          | 12°24         | 7°43            | T 24 |
| W25  | 0 13 46  | 1°32'44          | 14°51           | 23°56          | 23°24          | 14°33          | 9°37           | 4° 3          | 29°36          | 25°41  | 0° 4  | 12°24          | 12°55          | 12°31         | 7°41            | W25  |
| T 26 | 0 17 43  | 2°31'33          | 27° 3           | 25°47          | 24°38          | 15°12          | 9°45           | 4° 2          | 29°36          | 25°42  | 0° 4  | 12°23          | 12°52          | 12°37         | 7°38            | T 26 |
| F 27 | 0 21 39  | 3°30'24          | 9 <b>Υ</b> 26   | 27°36          | 25°52          | 15°52          | 9°54           | 4° 1          | 29°35          | 25°43  | 0° 4  | 12°D23         | 12°49          | 12°44         | 7°36            | F 27 |
| S 28 | 0 25 36  | 4°29'17          | 22° 0           | 29°26          | 27° 6          | 16°32          | 10° 3          | 3°59          | 29°34          | 25°44  | 0° 4  | 12°23          | 12°46          | 12°51         | 7°33            | S 28 |
| S 29 | 0 29 33  | 5°28'12          | 4847            | 1 <b>≏</b> 15  | 28°20          | 17°11          | 10°12          | 3°58          | 29°34          | 25°45  | 0° 4  | 12°24          | 12°42          | 12°58         | 7°31            | S 29 |
| M30  | 0 33 29  | 6 <b>₽</b> 27'09 | 17846           | 3 <b>º</b> 4   | 29 <b>≏</b> 34 | 17 <b>≏</b> 51 | 10 <b>×</b> 21 | 3 <b>Ⅱ</b> 57 | 29 <b>る</b> 33 | 259546 | 0     | 12 <b>Y</b> 24 | 12 <b>Y</b> 39 | 13 <b>≈</b> 4 | 7 <b>∺</b> 28   | M30  |

Delta T = 14.62 sec

OCTOBER 1912 00:00 UT

| Day  | Sid.t   | 0                 | D               | ğ              | φ                      | ♂ <sup>™</sup> | 4              | ħ             | )∤(            | ¥              | Р     | n              | v              | Ç     | ę,            | Day          |
|------|---------|-------------------|-----------------|----------------|------------------------|----------------|----------------|---------------|----------------|----------------|-------|----------------|----------------|-------|---------------|--------------|
| T 1  | 0 37 26 | 7 <b>≏</b> 26'09  | 1 <b>I</b> I 0  | 4 <b>₽</b> 52  | 0 <b>M</b> .48         | 18 <b>≏</b> 31 | 10 <b>₹</b> 30 | 3°R55         | 29°R33         | 259647         | 0°R 4 | 12 <b>Y</b> 25 | 12 <b>Y</b> 36 | 13≈11 | 7°R26         | T 1          |
| W 2  | 0 41 22 | 8°25'11           | 14°28           | 6°39           | 2° 2                   | 19°11          | 10°40          | 3耳53          | 29 <b>궁</b> 32 | 25°48          | 09 4  | 12°25          | 12°33          | 13°18 | 7 <b>∺</b> 24 | W 2          |
| T 3  | 0 45 19 | 9°24'15           | 28°11           | 8°25           | 3°16                   | 19°51          | 10°49          | 3°52          | 29°32          | 25°49          | 0° 4  | 12°25          | 12°30          | 13°24 | 7°21          | T 3          |
| F 4  | 0 49 15 | 10°23'22          | 1295 8          | 10°11          | 4°30                   | 20°31          | 10°59          | 3°50          | 29°32          | 25°50          | 0° 4  | 12°R25         | 12°27          | 13°31 | 7°19          | F 4          |
| S 5  | 0 53 12 | 11°22'31          | 26°19           | 11°56          | 5°44                   | 21°11          | 11° 8          | 3°48          | 29°32          | 25°51          | 0° 4  | 12°25          | 12°23          | 13°38 | 7°17          | S 5          |
| S 6  | 0 57 8  | 12°21'42          | 10 <b>Ω</b> 41  | 13°40          | 6°58                   | 21°51          | 11°18          | 3°46          | 29°31          | 25°52          | 0° 4  | 12°D25         | 12°20          | 13°44 | 7°15          | S 6          |
| M 7  | 1 1 5   | 13°20'56          | 25°12           | 15°23          | 8°11                   | 22°31          | 11°28          | 3°44          | 29°31          | 25°53          | 0° 4  | 12°25          | 12°17          | 13°51 | 7°13          | M 7          |
| T 8  | 1 5 2   | 14°20'12          | 9 <b>m</b> 46   | 17° 6          | 9°25                   | 23°11          | 11°38          | 3°42          | 29°31          | 25°53          | 0° 4  | 12°26          | 12°14          | 13°58 | 7°10          | T 8          |
| W 9  | 1 8 58  | 15°19'30          | 24°19           | 18°48          | 10°39                  | 23°52          | 11°48          | 3°39          | 29°31          | 25°54          | 0° 4  | 12°26          | 12°11          | 14° 5 | 7° 8          | W 9          |
| T 10 | 1 12 55 | 16°18'50          | 8 <b>≏</b> 45   | 20°29          | 11°53                  | 24°32          | 11°58          | 3°37          | 29°D31         | 25°55          | 0° 3  | 12°R26         | 12° 8          | 14°11 | 7° 6          | T 10         |
| F 11 | 1 16 51 | 17°18'12          | 22°58           | 22° 9          | 13° 7                  | 25°12          | 12° 8          | 3°34          | 29°31          | 25°55          | 0° 3  | 12°26          | 12° 4          | 14°18 | 7° 4          | F 11         |
| S 12 | 1 20 48 | 18°17'36          | 6 <b>M</b> .52  | 23°49          | 14°21                  | 25°52          | 12°19          | 3°32          | 29°31          | 25°56          | 0° 3  | 12°25          | 12° 1          | 14°25 | 7° 2          | S 12         |
| S 13 | 1 24 44 | 19°17'03          | 20°27           | 25°28          | 15°35                  | 26°33          | 12°29          | 3°29          | 29°31          | 25°57          | 0° 3  | 12°25          | 11°58          | 14°31 | 7° 1          | S 13         |
| M14  | 1 28 41 | 20°16'31          | 3 <b>,</b> ₹39  | 27° 6          | 16°49                  | 27°13          | 12°40          | 3°26          | 29°32          | 25°57          | 0° 2  | 12°24          | 11°55          | 14°38 | 6°59          | M14          |
| T 15 | 1 32 37 | 21°16'01          | 16°29           | 28°43          | 18° 2                  | 27°54          | 12°51          | 3°23          | 29°32          | 25°58          | 0° 2  | 12°23          | 11°52          | 14°45 | 6°57          | T 15         |
| W16  | 1 36 34 | 22°15'33          | 2 <u>9°</u> 0   | 0 <b>M</b> 20  | 19°16                  | 28°34          | 13° 1          | 3°20          | 29°32          | 25°58          | 0° 2  | 12°22          | 11°48          | 14°51 | 6°55          | W16          |
| T 17 | 1 40 31 | 23°15'07          | 11 <b>궁</b> 15  | 1°56           | 20°30                  | 29°15          | 13°12          | 3°17          | 29°32          | 25°59          | 0° 1  | 12°21          | 11°45          | 14°58 | 6°53          | T 17         |
| F 18 | 1 44 27 | 24°14'43          | 23°17           | 3°32           | 21°44                  | 29°56          | 13°23          | 3°14          | 29°33          | 25°59          | 0° 1  | 12°D21         | 11°42          | 15° 5 | 6°52          | F 18         |
| S 19 | 1 48 24 | 25°14'20          | 5 <b>≈</b> 12   | 5° 7           | 22°58                  | 0 <b>M</b> .36 | 13°34          | 3°11          | 29°33          | 25°59          | 0° 1  | 12°21          | 11°39          | 15°12 | 6°50          | S 19         |
| S 20 | 1 52 20 | 26°13'59          | 17° 3           | 6°41           | 24°12                  | 1°17           | 13°45          | 3° 7          | 29°34          | 26° 0          | 0° 0  | 12°22          | 11°36          | 15°18 | 6°48          | S 20         |
| M21  | 1 56 17 | 27°13'40          | 28°57           | 8°15           | 25°25                  | 1°58           | 13°57          | 3° 4          | 29°34          | 26° 0          | 29耳59 | 12°23          | 11°33          | 15°25 | 6°47          | M21          |
| T 22 | 2 0 13  | 28°13'22          | 10 <b></b> ₩56  | 9°48           | 26°39                  | 2°38           | 14° 8          | 3° 0          | 29°35          | 26° 0          | 29°59 | 12°24          | 11°29          | 15°32 | 6°45          | T 22         |
| W23  | 2 4 10  | 29°13'06          | 23° 5           | 11°20          | 27°53                  | 3°19           | 14°19          | 2°57          | 29°36          | 26° 0          | 29°59 | 12°26          | 11°26          | 15°38 | 6°44          | W23          |
| T 24 | 2 8 6   | 0M 12'52          | 5 <b>Υ</b> 27   | 12°52          | 29° 7                  | 4° 0           | 14°31          | 2°53          | 29°36          | 26° 1          | 29°58 | 12°26          | 11°23          | 15°45 | 6°43          | T 24         |
| F 25 | 2 12 3  | 1°12'40           | 18° 4           | 14°24          | 0 <b>∡</b> 720<br>1°34 | 4°41           | 14°42          | 2°49<br>2°45  | 29°37          | 26° 1<br>26° 1 | 29°58 | 12°R26         | 11°20          | 15°52 | 6°41          | F 25<br>S 26 |
| S 26 | 2 15 59 | 2°12'30           | 0 <b>8</b> 57   | 15°55          |                        | 5°22           | 14°54          |               | 29°38          | _              | 29°57 | 12°26          | 11°17          | 15°58 | 6°40          |              |
| S 27 | 2 19 56 | 3°12'22           | 14° 7           | 17°25          | 2°48                   | 6° 3           | 15° 6          | 2°42          | 29°39          | 26° 1          | 29°57 | 12°24          | 11°14          | 16° 5 | 6°39          | S 27         |
| M28  | 2 23 53 | 4°12'15           | 27°32           | 18°55          | 4° 1                   | 6°44           | 15°17          | 2°38          | 29°40          | 26° 1          | 29°56 | 12°21          | 11°10          | 16°12 | 6°38          | M28          |
| T 29 | 2 27 49 | 5°12'11           | 11 <b>I</b> I11 | 20°24          | 5°15                   | 7°25           | 15°29          | 2°34          | 29°41          | 26° 1          | 29°55 | 12°17          | 11° 7          | 16°19 | 6°36          | T 29         |
| W30  | 2 31 46 | 6°12'10           | 25° 1           | 21°53          | 6°29                   | 8° 6           | 15°41          | 2°30          | 29°42          | 26°R 1         | 29°55 | 12°14          | 11° 4          | 16°25 | 6°35          | W30          |
| T 31 | 2 35 42 | 7 <b>M</b> .12'10 | 8 <b>9</b> 59   | 23 <b>M</b> 21 | 7 <b>√</b> 142         | 8 <b>M</b> .48 | 15 <b>₹</b> 53 | 2 <b>Ⅱ</b> 25 | 29 <b>る</b> 43 | 2695 1         | 29∏54 | 12 <b>Y</b> 11 | 11 <b>°</b> 1  | 16≈32 | 6 <b>∺</b> 34 | T 31         |

Delta T = 14.73 sec

NOVEMBER 1912 00:00 UT

| Day          | Sid.t             | 0   | D                       | ğ               | ·               | ð               | 4              | ħ             | )ұ(                   | 卉              | В              | ß               | v              | ţ              | ę,            | Day          |
|--------------|-------------------|---|-------------------------|-----------------|-----------------|-----------------|----------------|---------------|-----------------------|----------------|----------------|-----------------|----------------|----------------|---------------|--------------|
| F 1          | 2 39 39           | 8ML12'12                                  | 2395 4                  | 24 <b>M</b> .48 | 8 <b>才</b> 56   | 9M29            | 16 <b>₹</b> 5  | 2°R21         | 29 <b>る</b> 44        | 26°R 1         | 29°R54         | 12°R 9          | 10 <b>Y</b> 58 | 16≈39          | 6°R33         | F 1          |
| S 2          | 2 43 35           | 9°12'17                                   | 7 <b>Ω</b> 13           | 26°15           | 10° 9           | 10°10           | 16°17          | 2 <b>Ⅱ</b> 17 | 29°45                 | 2699 1         | 29耳53          | 12°D 8          | 10°54          | 16°45          | 6 <b>∺</b> 32 | S 2          |
| S 3          | 2 47 32           | 10°12'23                                  | 21°24                   | 27°42           | 11°23           | 10°52           | 16°29          | 2°13          | 29°46                 | 26° 1          | 29°52          | 12 <b>Υ</b> 9   | 10°51          | 16°52          | 6°32          | S 3          |
| M 4          | 2 51 29           | 11°12'32                                  | 5 <b>m</b> 34           | 29° 8           | 12°36           | 11°33           | 16°42          | 2° 8          | 29°48                 | 26° 1          | 29°51          | 12°10           | 10°48          | 16°59          | 6°31          | M 4          |
| T 5          | 2 55 25           | 12°12'43                                  | 19°43                   | 0 <b>,</b> 733  | 13°50           | 12°15           | 16°54          | 2° 4          | 29°49                 | 26° 1          | 29°51          | 12°11           | 10°45          | 17° 5          | 6°30          | T 5          |
| W 6          | 2 59 22           | 13°12'56                                  | 3 <u>₽</u> 47           | 1°57            | 15° 4           | 12°56           | 17° 6          | 1°59          | 29°50                 | 26° 0          | 29°50          | 12°12           | 10°42          | 17°12          | 6°29          | W 6          |
| T 7          | 3 3 18<br>3 7 15  | 14°13'11<br>15°13'27                      | 17°45                   | 3°21<br>4°43    | 16°17<br>17°31  | 13°38<br>14°19  | 17°19<br>17°31 | 1°55<br>1°50  | 29°52<br>29°53        | 26° 0<br>26° 0 | 29°49<br>29°48 | 12°R13<br>12°11 | 10°39<br>10°35 | 17°19<br>17°26 | 6°29<br>6°28  | T 7<br>F 8   |
| F 8<br>S 9   | 3 11 11           | 16°13'46                                  | 1 <b>M</b> .33          | 6° 5            | 17°31<br>18°44  | 14°19<br>15° 1  | 17°44          | 1°46          | 29°55                 | 25°59          | 29°48<br>29°48 | 12°11           | 10°33          | 17°26<br>17°32 | 6°28          | F 8<br>S 9   |
|              |                   |   |                         |                 | -               | _               |                |               |                       |                |                | -               |                |                |               |              |
| S 10         | 3 15 8            | 17°14'06                                  | 28°30                   | 7°26            | 19°58           | 15°43           | 17°56          | 1°41          | 29°56                 | 25°59          | 29°47          | 12° 3           | 10°29          | 17°39          | 6°27          | S 10         |
| M11<br>T 12  | 3 19 4<br>3 23 1  | 18°14'29<br>19°14'52                      | 11 <b>×</b> 34<br>24°21 | 8°46<br>10° 4   | 21°11<br>22°24  | 16°24<br>17° 6  | 18° 9<br>18°22 | 1°36<br>1°31  | 29°58<br>29°59        | 25°59<br>25°58 | 29°46<br>29°45 | 11°57<br>11°50  | 10°26<br>10°23 | 17°46<br>17°52 | 6°27<br>6°26  | M11<br>T 12  |
| W13          | 3 26 58           | 20°15'18                                  | 6 <b>공</b> 51           | 10°4            | 22°24<br>23°38  | 17°48           | 18°34          | 1°27          | 29 39<br>0 <b>≈</b> 1 | 25°58          | 29°43<br>29°44 | 11°44           | 10°23          | 17°59          | 6°26          | W13          |
| T 14         | 3 30 54           | 21°15'44                                  | 19° 5                   | 12°37           | 24°51           | 18°30           | 18°47          | 1°22          | 0° 3                  | 25°57          | 29°43          | 11°38           | 10°16          | 18° 6          | 6°26          | T 14         |
| F 15         | 3 34 51           | 22°16'12                                  | 1≈ 7                    | 13°51           | 26° 5           | 19°12           | 19° 0          | 1°17          | 0° 5                  | 25°57          | 29°42          | 11°34           | 10°13          | 18°12          | 6°26          | F 15         |
| S 16         | 3 38 47           | 23°16'42                                  | 13° 2                   | 15° 3           | 27°18           | 19°54           | 19°13          | 1°12          | 0° 6                  | 25°56          | 29°41          | 11°31           | 10°10          | 18°19          | 6°26          | S 16         |
| S 17         | 3 42 44           | 24°17'13                                  | 24°52                   | 16°12           | 28°31           | 20°36           | 19°26          | 1° 7          | 0° 8                  | 25°56          | 29°41          | 11°D31          | 10° 7          | 18°26          | 6°D26         | S 17         |
| M18          | 3 46 40           | 25°17'44                                  | 6 <b>)</b> €44          | 17°19           | 29°45           | 21°18           | 19°39          | 1° 3          | 0°10                  | 25°55          | 29°40          | 11°31           | 10° 4          | 18°32          | 6°26          | M18          |
| T 19         | 3 50 37           | 26°18'18                                  | 18°43                   | 18°24           | 0 <b>궁</b> 58   | 22° 0           | 19°52          | 0°58          | 0°12                  | 25°54          | 29°39          | 11°33           | 10° 0          | 18°39          | 6°26          | T 19         |
| W20          | 3 54 33           | 27°18'52                                  | 0 <b>Υ</b> 53           | 19°25           | 2°11            | 22°42           | 20° 5          | 0°53          | 0°14                  | 25°54          | 29°38          | 11°34           | 9°57           | 18°46          | 6°26          | W20          |
| T 21         | 3 58 30           | 28°19'28                                  | 13°19                   | 20°22           | 3°24            | 23°24           | 20°18          | 0°48          | 0°16                  | 25°53          | 29°37          | 11°R35          | 9°54           | 18°53          | 6°26          | T 21         |
| F 22<br>S 23 | 4 2 27<br>4 6 23  | 29°20'05<br>0 <b>×</b> <sup>7</sup> 20'43 | 26° 5<br>9 <b>8</b> 13  | 21°16<br>22° 4  | 4°37<br>5°51    | 24° 7<br>24°49  | 20°31<br>20°45 | 0°43<br>0°38  | 0°18<br>0°20          | 25°52<br>25°51 | 29°36<br>29°35 | 11°33<br>11°30  | 9°51<br>9°48   | 18°59<br>19° 6 | 6°26<br>6°27  | F 22<br>S 23 |
|              |                   |   | _                       |                 |                 |                 |                |               |                       |                |                |                 |                | -, -           |               |              |
| S 24         | 4 10 20           | 1°21'22                                   | 22°44                   | 22°48           | 7° 4            | 25°31           | 20°58          | 0°33          | 0°23                  | 25°50          | 29°34          | 11°25           | 9°45           | 19°13          | 6°27          | S 24         |
| M25          | 4 14 16           | 2°22'03                                   | 6 <b>I</b> I34          | 23°25           | 8°17<br>9°30    | 26°14           | 21°11          | 0°28          | 0°25                  | 25°50          | 29°33          | 11°17           | 9°41           | 19°19          | 6°27          | M25          |
| T 26<br>W27  | 4 18 13<br>4 22 9 | 3°22'46<br>4°23'30                        | 20°42<br>5 <b>©</b> 2   | 23°55<br>24°19  | 10°43           | 26°56<br>27°39  | 21°25<br>21°38 | 0°23<br>0°18  | 0°27<br>0°29          | 25°49<br>25°48 | 29°32<br>29°30 | 11° 8<br>10°59  | 9°38<br>9°35   | 19°26<br>19°33 | 6°28<br>6°28  | T 26<br>W27  |
| T 28         | 4 22 9            | 5°24'15                                   | 19°27                   | 24 19<br>24°33  | 10 43<br>11°56  | 27 39<br>28°21  | 21°51          | 0°13          | 0°32                  | 25°47          | 29°29          | 10°51           | 9°32           | 19 33<br>19°39 | 6°29          | T 28         |
| F 29         | 4 30 2            | 6°25'02                                   | 3 <b>Ω</b> 52           | 24°R39          | 13° 9           | 29° 4           | 22° 5          | 0° 9          | 0°34                  | 25°46          | 29°28          | 10°45           | 9°29           | 19°46          | 6°30          | F 29         |
| S 30         | 4 33 59           | 7 <b>₹</b> 25'50                          | 18 <b>\O</b> 12         | 24 <b>×</b> 35  | 14 <b>පි</b> 21 | 29 <b>M</b> .46 | 22 <b>×</b> 18 | 0 <b>Π</b> 4  | 0≈36                  | 259345         | 29 <b>∏</b> 27 | 10 <b>Y</b> 41  | 9Υ26           | 19≈53          | 6 <b>∺</b> 30 | S 30         |

Delta T = 14.84 sec

DECEMBER 1912 00:00 UT

| Day  | Sid.t   | $\odot$           | ))             | φ               | φ              | ď              | 4               | ħ              | )ұ(  | ¥      | P .    | ß              | Ω             | ţ     | δ             | Day  |
|------|---------|-------------------|----------------|-----------------|----------------|----------------|-----------------|----------------|------|--------|--------|----------------|---------------|-------|---------------|------|
| S 1  | 4 37 56 | 8 <b>×</b> 126'39 | 2 Mp 25        | 24°R20          | 15 <b>云</b> 34 | 0 <b>∡</b> 129 | 22 <b>×</b> 32  | 29°R59         | 0≈39 | 25°R44 | 29°R26 | 10°D39         | 9Υ22          | 19≈59 | 6 <b>∺</b> 31 | S 1  |
| M 2  | 4 41 52 | 9°27'30           | 16°27          | 23 <b>×</b> 755 | 16°47          | 1°12           | 22°45           | 29 <b>8</b> 54 | 0°41 | 259543 | 29Ⅲ25  | 10 <b>Y</b> 39 | 9°19          | 20° 6 | 6°32          | M 2  |
| T 3  | 4 45 49 | 10°28'23          | 0 <b>≏</b> 19  | 23°18           | 18° 0          | 1°55           | 22°59           | 29°49          | 0°44 | 25°42  | 29°24  | 10°40          | 9°16          | 20°13 | 6°33          | T 3  |
| W 4  | 4 49 45 | 11°29'17          | 14° 1          | 22°30           | 19°13          | 2°37           | 23°12           | 29°44          | 0°46 | 25°41  | 29°23  | 10°R40         | 9°13          | 20°20 | 6°34          | W 4  |
| T 5  | 4 53 42 | 12°30'12          | 27°34          | 21°32           | 20°25          | 3°20           | 23°26           | 29°40          | 0°49 | 25°40  | 29°22  | 10°39          | 9°10          | 20°26 | 6°35          | T 5  |
| F 6  | 4 57 38 | 13°31'08          | 10 <b>M</b> 56 | 20°25           | 21°38          | 4° 3           | 23°39           | 29°35          | 0°52 | 25°39  | 29°20  | 10°35          | 9° 6          | 20°33 | 6°36          | F 6  |
| S 7  | 5 1 35  | 14°32'06          | 24° 7          | 19°10           | 22°50          | 4°46           | 23°53           | 29°30          | 0°54 | 25°37  | 29°19  | 10°29          | 9° 3          | 20°40 | 6°37          | S 7  |
| S 8  | 5 5 3 1 | 15°33'05          | 7 <b>,₹</b> 8  | 17°50           | 24° 3          | 5°29           | 24° 6           | 29°26          | 0°57 | 25°36  | 29°18  | 10°19          | 9° 0          | 20°46 | 6°38          | S 8  |
| M 9  | 5 9 28  | 16°34'05          | 19°56          | 16°27           | 25°15          | 6°12           | 24°20           | 29°21          | 1° 0 | 25°35  | 29°17  | 10° 7          | 8°57          | 20°53 | 6°39          | M 9  |
| T 10 | 5 13 25 | 17°35'05          | 2 <b>ප</b> 31  | 15° 4           | 26°28          | 6°55           | 24°34           | 29°17          | 1° 3 | 25°34  | 29°16  | 9°55           | 8°54          | 21° 0 | 6°41          | T 10 |
| W11  | 5 17 21 | 18°36'07          | 14°54          | 13°45           | 27°40          | 7°39           | 24°47           | 29°12          | 1° 5 | 25°32  | 29°15  | 9°42           | 8°51          | 21° 6 | 6°42          | W11  |
| T 12 | 5 21 18 | 19°37'09          | 27° 4          | 12°31           | 28°53          | 8°22           | 25° 1           | 29° 8          | 1° 8 | 25°31  | 29°14  | 9°30           | 8°47          | 21°13 | 6°43          | T 12 |
| F 13 | 5 25 14 | 20°38'12          | 9≈ 4           | 11°24           | 0≈ 5           | 9° 5           | 25°15           | 29° 3          | 1°11 | 25°30  | 29°12  | 9°20           | 8°44          | 21°20 | 6°45          | F 13 |
| S 14 | 5 29 11 | 21°39'15          | 20°56          | 10°27           | 1°17           | 9°48           | 25°29           | 28°59          | 1°14 | 25°29  | 29°11  | 9°13           | 8°41          | 21°26 | 6°46          | S 14 |
| S 15 | 5 33 7  | 22°40'19          | 2 <b>){</b> 44 | 9°40            | 2°29           | 10°32          | 25°42           | 28°54          | 1°17 | 25°27  | 29°10  | 9° 9           | 8°38          | 21°33 | 6°48          | S 15 |
| M16  | 5 37 4  | 23°41'23          | 14°34          | 9° 4            | 3°41           | 11°15          | 25°56           | 28°50          | 1°20 | 25°26  | 29° 9  | 9° 7           | 8°35          | 21°40 | 6°50          | M16  |
| T 17 | 5 41 0  | 24°42'28          | 26°29          | 8°39            | 4°53           | 11°59          | 26°10           | 28°46          | 1°23 | 25°24  | 29° 8  | 9°D 7          | 8°31          | 21°47 | 6°51          | T 17 |
| W18  | 5 44 57 | 25°43'33          | 8 <b>Ƴ</b> 37  | 8°26            | 6° 5           | 12°42          | 26°23           | 28°42          | 1°26 | 25°23  | 29° 6  | 9°R 7          | 8°28          | 21°53 | 6°53          | W18  |
| T 19 | 5 48 54 | 26°44'38          | 21° 1          | 8°D22           | 7°17           | 13°26          | 26°37           | 28°38          | 1°29 | 25°22  | 29° 5  | 9° 6           | 8°25          | 22° 0 | 6°55          | T 19 |
| F 20 | 5 52 50 | 27°45'43          | 3 <b>8</b> 48  | 8°28            | 8°29           | 14° 9          | 26°51           | 28°34          | 1°32 | 25°20  | 29° 4  | 9° 4           | 8°22          | 22° 7 | 6°57          | F 20 |
| S 21 | 5 56 47 | 28°46'49          | 17° 0          | 8°43            | 9°40           | 14°53          | 27° 5           | 28°30          | 1°35 | 25°19  | 29° 3  | 8°59           | 8°19          | 22°13 | 6°58          | S 21 |
| S 22 | 6 0 43  | 29°47'55          | 0 <b>Ⅱ</b> 40  | 9° 7            | 10°52          | 15°36          | 27°18           | 28°26          | 1°38 | 25°17  | 29° 2  | 8°52           | 8°16          | 22°20 | 7° 0          | S 22 |
| M23  | 6 4 40  | 0る49'02           | 14°47          | 9°38            | 12° 4          | 16°20          | 27°32           | 28°22          | 1°41 | 25°16  | 29° 0  | 8°42           | 8°12          | 22°27 | 7° 2          | M23  |
| T 24 | 6 8 36  | 1°50'09           | 29°17          | 10°15           | 13°15          | 17° 4          | 27°46           | 28°19          | 1°44 | 25°14  | 28°59  | 8°30           | 8° 9          | 22°33 | 7° 4          | T 24 |
| W25  | 6 12 33 | 2°51'16           | 1495 2         | 10°58           | 14°26          | 17°48          | 27°59           | 28°15          | 1°48 | 25°13  | 28°58  | 8°18           | 8° 6          | 22°40 | 7° 6          | W25  |
| T 26 | 6 16 30 | 3°52'23           | 28°56          | 11°47           | 15°38          | 18°32          | 28°13           | 28°12          | 1°51 | 25°11  | 28°57  | 8° 6           | 8° 3          | 22°47 | 7° 9          | T 26 |
| F 27 | 6 20 26 | 4°53'31           | 13 <b>Ω</b> 48 | 12°40           | 16°49          | 19°15          | 28°27           | 28° 8          | 1°54 | 25°10  | 28°56  | 7°57           | 8° 0          | 22°53 | 7°11          | F 27 |
| S 28 | 6 24 23 | 5°54'40           | 28°31          | 13°37           | 18° 0          | 19°59          | 28°41           | 28° 5          | 1°57 | 25° 8  | 28°54  | 7°51           | 7°57          | 23° 0 | 7°13          | S 28 |
| S 29 | 6 28 19 | 6°55'48           | 12 <b>m</b> 58 | 14°38           | 19°11          | 20°43          | 28°54           | 28° 2          | 2° 0 | 25° 6  | 28°53  | 7°47           | 7°53          | 23° 7 | 7°15          | S 29 |
| M30  | 6 32 16 | 7°56'57           | 27° 8          | 15°42           | 20°22          | 21°27          | 29° 8           | 27°58          | 2° 4 | 25° 5  | 28°52  | 7°46           | 7°50          | 23°13 | 7°18          | M30  |
| T 31 | 6 36 12 | 8 <b>ප්</b> 58'07 | 10 <b>≏</b> 59 | 16 <b>₹</b> 49  | 21≈32          | 22 <b>×</b> 11 | 29 <b>×</b> 722 | 27 <b>8</b> 55 | 2≈ 7 | 2599 3 | 28Ⅲ51  | 7 <b>Υ</b> 46  | 7 <b>Ƴ</b> 47 | 23≈20 | 7 <b>∺</b> 20 | T 31 |

Delta T = 14.94 sec

JANUARY 1913 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ               | φ               | ♂               | 4              | ħ              | )f(  | ¥      | Р              | ß             | Ω             | Ç     | Ş.            | Day  |
|------|---------|------------------|----------------|-----------------|-----------------|-----------------|----------------|----------------|------|--------|----------------|---------------|---------------|-------|---------------|------|
| W 1  | 6 40 9  | 9 <b>ට</b> 59'17 | 24 <b>♀</b> 32 | 17 <b>∡</b> 758 | 22≈43           | 22 <b>×</b> 756 | 29 <b>х</b> 35 | 27°R52         | 2≈10 | 25°R 2 | 28°R50         | 7°R46         | 7 <b>Υ</b> 44 | 23≈27 | 7 <b>∺</b> 22 | W 1  |
| T 2  | 6 44 5  | 11° 0'27         | 7 <b>M</b> .49 | 19°10           | 23°53           | 23°40           | 29°49          | 27 <b>8</b> 49 | 2°14 | 2599 0 | 28 <b>Ⅱ</b> 49 | 7 <b>Υ</b> 44 | 7°41          | 23°33 | 7°25          | T 2  |
| F 3  | 6 48 2  | 12° 1'38         | 20°52          | 20°24           | 25° 4           | 24°24           | 0중 2           | 27°47          | 2°17 | 24°58  | 28°47          | 7°39          | 7°38          | 23°40 | 7°27          | F 3  |
| S 4  | 6 51 59 | 13° 2'49         | 3 <b>∡</b> 143 | 21°40           | 26°14           | 25° 8           | 0°16           | 27°44          | 2°20 | 24°57  | 28°46          | 7°31          | 7°34          | 23°47 | 7°30          | S 4  |
| S 5  | 6 55 55 | 14° 4'00         | 16°23          | 22°57           | 27°24           | 25°52           | 0°30           | 27°41          | 2°24 | 24°55  | 28°45          | 7°21          | 7°31          | 23°54 | 7°32          | S 5  |
| M 6  | 6 59 52 | 15° 5'11         | 28°53          | 24°15           | 28°34           | 26°37           | 0°43           | 27°39          | 2°27 | 24°53  | 28°44          | 7° 8          | 7°28          | 24° 0 | 7°35          | M 6  |
| T 7  | 7 3 48  | 16° 6'22         | 11 <b>る</b> 13 | 25°35           | 29°44           | 27°21           | 0°57           | 27°36          | 2°31 | 24°52  | 28°43          | 6°53          | 7°25          | 24° 7 | 7°38          | T 7  |
| W 8  | 7 7 45  | 17° 7'33         | 23°24          | 26°56           | 0 <b>) €</b> 54 | 28° 6           | 1°10           | 27°34          | 2°34 | 24°50  | 28°42          | 6°38          | 7°22          | 24°14 | 7°40          | W 8  |
| T 9  | 7 11 41 | 18° 8'44         | 5≈27           | 28°18           | 2° 4            | 28°50           | 1°24           | 27°32          | 2°37 | 24°48  | 28°41          | 6°25          | 7°18          | 24°20 | 7°43          | T 9  |
| F 10 | 7 15 38 | 19° 9'54         | 17°22          | 2 <u>9</u> °41  | 3°13            | 29°35           | 1°37           | 27°30          | 2°41 | 24°47  | 28°39          | 6°14          | 7°15          | 24°27 | 7°46          | F 10 |
| S 11 | 7 19 34 | 20°11'04         | 29°12          | 1ਰ 5            | 4°22            | 0 <b>궁</b> 19   | 1°51           | 27°28          | 2°44 | 24°45  | 28°38          | 6° 5          | 7°12          | 24°34 | 7°49          | S 11 |
| S 12 | 7 23 31 | 21°12'13         | 10 <b>∺</b> 59 | 2°30            | 5°32            | 1° 4            | 2° 4           | 27°26          | 2°48 | 24°43  | 28°37          | 5°59          | 7° 9          | 24°40 | 7°52          | S 12 |
| M13  | 7 27 28 | 22°13'22         | 22°47          | 3°56            | 6°41            | 1°48            | 2°17           | 27°24          | 2°51 | 24°42  | 28°36          | 5°57          | 7° 6          | 24°47 | 7°55          | M13  |
| T 14 | 7 31 24 | 23°14'30         | <b>4</b> Υ40   | 5°22            | 7°49            | 2°33            | 2°31           | 27°22          | 2°55 | 24°40  | 28°35          | 5°D56         | 7° 3          | 24°54 | 7°58          | T 14 |
| W15  | 7 35 21 | 24°15'37         | 16°45          | 6°50            | 8°58            | 3°18            | 2°44           | 27°21          | 2°58 | 24°38  | 28°34          | 5°56          | 6°59          | 25° 0 | 8° 0          | W15  |
| T 16 | 7 39 17 | 25°16'44         | 29° 5          | 8°17            | 10° 7           | 4° 2            | 2°57           | 27°19          | 3° 2 | 24°36  | 28°33          | 5°R56         | 6°56          | 25° 7 | 8° 3          | T 16 |
| F 17 | 7 43 14 | 26°17'50         | 11846          | 9°46            | 11°15           | 4°47            | 3°10           | 27°18          | 3° 5 | 24°35  | 28°32          | 5°55          | 6°53          | 25°14 | 8° 7          | F 17 |
| S 18 | 7 47 10 | 27°18'55         | 24°53          | 11°15           | 12°23           | 5°32            | 3°24           | 27°16          | 3° 9 | 24°33  | 28°31          | 5°52          | 6°50          | 25°20 | 8°10          | S 18 |
| S 19 | 7 51 7  | 28°19'59         | 8Д30           | 12°45           | 13°31           | 6°17            | 3°37           | 27°15          | 3°12 | 24°31  | 28°30          | 5°46          | 6°47          | 25°27 | 8°13          | S 19 |
| M20  | 7 55 3  | 29°21'02         | 22°37          | 14°15           | 14°39           | 7° 2            | 3°50           | 27°14          | 3°16 | 24°30  | 28°29          | 5°38          | 6°44          | 25°34 | 8°16          | M20  |
| T 21 | 7 59 0  | 0≈22'05          | <b>7</b> 9512  | 15°46           | 15°46           | 7°47            | 4° 3           | 27°13          | 3°19 | 24°28  | 28°28          | 5°28          | 6°40          | 25°40 | 8°19          | T 21 |
| W22  | 8 2 57  | 1°23'07          | 22° 9          | 17°18           | 16°53           | 8°32            | 4°16           | 27°12          | 3°23 | 24°26  | 28°27          | 5°18          | 6°37          | 25°47 | 8°22          | W22  |
| T 23 | 8 6 53  | 2°24'08          | $7\Omega 20$   | 18°50           | 18° 0           | 9°17            | 4°29           | 27°12          | 3°26 | 24°25  | 28°26          | 5° 8          | 6°34          | 25°54 | 8°26          | T 23 |
| F 24 | 8 10 50 | 3°25'08          | 22°33          | 20°23           | 19° 7           | 10° 2           | 4°42           | 27°11          | 3°30 | 24°23  | 28°25          | 5° 0          | 6°31          | 26° 0 | 8°29          | F 24 |
| S 25 | 8 14 46 | 4°26'07          | 7 <b>m</b> 39  | 21°56           | 20°14           | 10°47           | 4°55           | 27°11          | 3°33 | 24°21  | 28°24          | 4°55          | 6°28          | 26° 7 | 8°32          | S 25 |
| S 26 | 8 18 43 | 5°27'06          | 22°28          | 23°30           | 21°20           | 11°32           | 5° 7           | 27°10          | 3°37 | 24°20  | 28°23          | 4°52          | 6°24          | 26°14 | 8°35          | S 26 |
| M27  | 8 22 39 | 6°28'04          | 6 <b>Ω</b> 55  | 25° 5           | 22°26           | 12°17           | 5°20           | 27°10          | 3°40 | 24°18  | 28°22          | 4°D51         | 6°21          | 26°21 | 8°39          | M27  |
| T 28 | 8 26 36 | 7°29'01          | 20°58          | 26°40           | 23°32           | 13° 2           | 5°33           | 27°10          | 3°44 | 24°16  | 28°21          | 4°52          | 6°18          | 26°27 | 8°42          | T 28 |
| W29  | 8 30 32 | 8°29'58          | 4 <b>M</b> .36 | 28°16           | 24°38           | 13°47           | 5°46           | 27°D10         | 3°47 | 24°15  | 28°20          | 4°R53         | 6°15          | 26°34 | 8°46          | W29  |
| T 30 | 8 34 29 | 9°30'54          | 17°52          | 29°53           | 25°43           | 14°33           | 5°58           | 27°10          | 3°51 | 24°13  | 28°19          | 4°52          | 6°12          | 26°41 | 8°49          | T 30 |
| F 31 | 8 38 26 | 10≈31'49         | 0 <b>≯</b> 48  | 1≈30            | 26 <b>)</b> 48  | 15 <b>る</b> 18  | 6 <b>ਰ</b> 11  | 27810          | 3≈54 | 249911 | 28 <b>Ⅱ</b> 19 | <b>4</b> Υ50  | 6 <b>Υ</b> 9  | 26≈47 | 8 <b>∺</b> 52 | F 31 |

Delta T = 15.05 sec

FEBRUARY 1913 00:00 UT

| Day  | Sid.t    | 0                | D                | ğ              | Q.             | ď             | 4              | ħ     | )f(  | 并      | В      | ß            | v            | ţ     | ę,             | Day  |
|------|----------|------------------|------------------|----------------|----------------|---------------|----------------|-------|------|--------|--------|--------------|--------------|-------|----------------|------|
| S 1  | 8 42 22  | 11≈32'44         | 13 <b>×</b> 28   | 3≈ 8           | 27 <b>米</b> 53 | 16 <b>궁</b> 3 | 6 <b>ප</b> 23  | 27810 | 3≈58 | 24°R10 | 28°R18 | 4°R46        | 6 <b>℃</b> 5 | 26≈54 | 8 <b>∺</b> 56  | S 1  |
| S 2  | 8 46 19  | 12°33'38         | 25°54            | 4°47           | 28°58          | 16°49         | 6°36           | 27°11 | 4° 1 | 2495 8 | 28Ⅲ17  | <b>4℃</b> 39 | 6° 2         | 27° 1 | 8°59           | S 2  |
| M 3  | 8 50 15  | 13°34'31         | 8 <b>궁</b> 10    | 6°27           | oΥ 2           | 17°34         | 6°48           | 27°11 | 4° 5 | 24° 7  | 28°16  | 4°30         | 5°59         | 27° 7 | 9° 3           | M 3  |
| T 4  | 8 54 12  | 14°35'23         | 20°17            | 8° 7           | 1° 6           | 18°20         | 7° 0           | 27°12 | 4° 8 | 24° 5  | 28°15  | 4°20         | 5°56         | 27°14 | 9° 7           | T 4  |
| W 5  | 8 58 8   | 15°36'14         | 2≈17             | 9°48           | 2° 9           | 19° 5         | 7°13           | 27°13 | 4°12 | 24° 3  | 28°15  | 4°10         | 5°53         | 27°21 | 9°10           | W 5  |
| T 6  | 9 2 5    | 16°37'03         | 14°12            | 11°30          | 3°12           | 19°50         | 7°25           | 27°14 | 4°15 | 24° 2  | 28°14  | 4° 1         | 5°50         | 27°27 | 9°14           | T 6  |
| F 7  | 9 6 2    | 17°37'52         | 26° 2            | 13°12          | 4°15           | 20°36         | 7°37           | 27°15 | 4°19 | 24° 0  | 28°13  | 3°53         | 5°46         | 27°34 | 9°17           | F 7  |
| S 8  | 9 9 58   | 18°38'39         | 7 <b>∺</b> 51    | 14°56          | 5°18           | 21°22         | 7°49           | 27°16 | 4°22 | 23°59  | 28°12  | 3°47         | 5°43         | 27°41 | 9°21           | S 8  |
| S 9  | 9 13 55  | 19°39'24         | 19°39            | 16°40          | 6°20           | 22° 7         | 8° 1           | 27°17 | 4°26 | 23°57  | 28°12  | 3°44         | 5°40         | 27°47 | 9°25           | S 9  |
| M10  | 9 17 51  | 20°40'09         | 1 <b>Y</b> 29    | 18°25          | 7°22           | 22°53         | 8°13           | 27°18 | 4°29 | 23°56  | 28°11  | 3°D42        | 5°37         | 27°54 | 9°28           | M10  |
| T 11 | 9 21 48  | 21°40'51         | 13°25            | 20°10          | 8°23           | 23°38         | 8°25           | 27°20 | 4°33 | 23°54  | 28°10  | 3°43         | 5°34         | 28° 1 | 9°32           | T 11 |
| W12  | 9 25 44  | 22°41'32         | 25°31            | 21°57          | 9°24           | 24°24         | 8°36           | 27°21 | 4°36 | 23°53  | 28°10  | 3°44         | 5°30         | 28° 7 | 9°36           | W12  |
| T 13 | 9 29 41  | 23°42'12         | 7 <b>8</b> 51    | 23°44          | 10°25          | 25°10         | 8°48           | 27°23 | 4°39 | 23°52  | 28° 9  | 3°46         | 5°27         | 28°14 | 9°39           | T 13 |
| F 14 | 9 33 37  | 24°42'50         | 20°29            | 25°32          | 11°25          | 25°56         | 9° 0           | 27°25 | 4°43 | 23°50  | 28° 8  | 3°R47        | 5°24         | 28°21 | 9°43           | F 14 |
| S 15 | 9 37 34  | 25°43'26         | 3 <b>Ⅱ</b> 30    | 27°21          | 12°24          | 26°41         | 9°11           | 27°27 | 4°46 | 23°49  | 28° 8  | 3°47         | 5°21         | 28°27 | 9°47           | S 15 |
| S 16 | 9 41 31  | 26°44'00         | 16°57            | 29°11          | 13°24          | 27°27         | 9°23           | 27°29 | 4°49 | 23°47  | 28° 7  | 3°45         | 5°18         | 28°34 | 9°50           | S 16 |
| M17  | 9 45 27  | 27°44'33         | 0954             | 1 <b>)</b> 1   | 14°22          | 28°13         | 9°34           | 27°31 | 4°53 | 23°46  | 28° 7  | 3°41         | 5°15         | 28°41 | 9°54           | M17  |
| T 18 | 9 49 24  | 28°45'04         | 15°19            | 2°52           | 15°21          | 28°59         | 9°45           | 27°33 | 4°56 | 23°45  | 28° 6  | 3°37         | 5°11         | 28°47 | 9°58           | T 18 |
| W19  | 9 53 20  | 29°45'33         | $0$ $\Omega$ $8$ | 4°44           | 16°18          | 29°45         | 9°56           | 27°35 | 4°59 | 23°43  | 28° 6  | 3°32         | 5° 8         | 28°54 | 10° 2          | W19  |
| T 20 | 9 57 17  | 0 <b>)</b> 46′00 | 15°16            | 6°36           | 17°15          | 0≈31          | 10° 7          | 27°38 | 5° 3 | 23°42  | 28° 5  | 3°27         | 5° 5         | 29° 1 | 10° 6          | T 20 |
| F 21 | 10 1 13  | 1°46'26          | 0 <b>m</b> y33   | 8°28           | 18°12          | 1°17          | 10°18          | 27°40 | 5° 6 | 23°41  | 28° 5  | 3°23         | 5° 2         | 29° 7 | 10° 9          | F 21 |
| S 22 | 10 5 10  | 2°46'49          | 15°48            | 10°21          | 19° 8          | 2° 2          | 10°29          | 27°43 | 5° 9 | 23°40  | 28° 4  | 3°20         | 4°59         | 29°14 | 10°13          | S 22 |
| S 23 | 10 9 6   | 3°47'11          | 0 <b>ჲ</b> 52    | 12°13          | 20° 3          | 2°48          | 10°40          | 27°46 | 5°12 | 23°38  | 28° 4  | 3°D19        | 4°55         | 29°21 | 10°17          | S 23 |
| M24  | 10 13 3  | 4°47'32          | 15°35            | 14° 6          | 20°58          | 3°34          | 10°51          | 27°49 | 5°15 | 23°37  | 28° 4  | 3°20         | 4°52         | 29°27 | 10°21          | M24  |
| T 25 | 10 17 0  | 5°47'51          | 29°54            | 15°58          | 21°52          | 4°20          | 11° 1          | 27°51 | 5°19 | 23°36  | 28° 3  | 3°21         | 4°49         | 29°34 | 10°25          | T 25 |
| W26  | 10 20 56 | 6°48'09          | 13 <b>ML</b> 45  | 17°50          | 22°46          | 5° 7          | 11°12          | 27°54 | 5°22 | 23°35  | 28° 3  | 3°23         | 4°46         | 29°41 | 10°28          | W26  |
| T 27 | 10 24 53 | 7°48'25          | 27°10            | 19°41          | 23°38          | 5°53          | 11°22          | 27°58 | 5°25 | 23°34  | 28° 3  | 3°24         | 4°43         | 29°47 | 10°32          | T 27 |
| F 28 | 10 28 49 | 8 <b>)</b> 48'40 | 10 <b>×</b> 10   | 21 <b>)</b> 31 | 24 <b>Y</b> 31 | 6≈39          | 11 <b>る</b> 33 | 288 1 | 5≈28 | 23933  | 28耳 2  | 3°R24        | <b>4</b> Υ40 | 29≈54 | 10 <b>∺</b> 36 | F 28 |

Delta T = 15.16 sec

MARCH 1913 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | φ              | ď             | 4              | ħ              | )∤(  | 卉      | В      | n            | v            | Ç             | ę,             | Day  |
|------|----------|------------------|-----------------|----------------|----------------|---------------|----------------|----------------|------|--------|--------|--------------|--------------|---------------|----------------|------|
| S 1  | 10 32 46 | 9 <b>)</b> 48'54 | 22 <b>×7</b> 49 | 23 <b>米</b> 19 | 25 <b>Y</b> 22 | 7≈25          | 11 <b>る</b> 43 | 28 <b>8</b> 4  | 5≈31 | 23°R31 | 28°R 2 | 3°R23        | <b>4</b> Υ36 | 0 <b>∺</b> 1  | 10 <b>∺</b> 40 | S 1  |
| S 2  | 10 36 42 | 10°49'06         | 5 <b>ਰ</b> 11   | 25° 5          | 26°13          | 8°11          | 11°53          | 28° 8          | 5°34 | 23930  | 28耳 2  | <b>3</b> Υ22 | 4°33         | 0° 7          | 10°44          | S 2  |
| M 3  | 10 40 39 | 11°49'16         | 17°20           | 26°48          | 27° 2          | 8°57          | 12° 3          | 28°11          | 5°37 | 23°29  | 28° 1  | 3°19         | 4°30         | 0°14          | 10°47          | M 3  |
| T 4  | 10 44 35 | 12°49'25         | 29°20           | 28°29          | 27°51          | 9°43          | 12°13          | 28°15          | 5°40 | 23°28  | 28° 1  | 3°16         | 4°27         | 0°21          | 10°51          | T 4  |
| W 5  | 10 48 32 | 13°49'32         | 11≈13           | 0 <b>Υ</b> 6   | 28°40          | 10°30         | 12°23          | 28°19          | 5°43 | 23°27  | 28° 1  | 3°12         | 4°24         | 0°27          | 10°55          | W 5  |
| T 6  | 10 52 29 | 14°49'37         | 23° 2           | 1°38           | 29°27          | 11°16         | 12°33          | 28°22          | 5°46 | 23°26  | 28° 1  | 3° 9         | 4°21         | 0°34          | 10°59          | T 6  |
| F 7  | 10 56 25 | 15°49'40         | 4 <b>)</b> €50  | 3° 7           | 0 <b>8</b> 13  | 12° 2         | 12°42          | 28°26          | 5°49 | 23°26  | 28° 1  | 3° 7         | 4°17         | 0°41          | 11° 3          | F 7  |
| S 8  | 11 0 22  | 16°49'42         | 16°40           | 4°30           | 0°59           | 12°48         | 12°52          | 28°30          | 5°52 | 23°25  | 28° 1  | 3° 5         | 4°14         | 0°47          | 11° 6          | S 8  |
| S 9  | 11 4 18  | 17°49'42         | 28°32           | 5°47           | 1°43           | 13°34         | 13° 1          | 28°34          | 5°55 | 23°24  | 28° 1  | 3°D 4        | 4°11         | 0°54          | 11°10          | S 9  |
| M10  | 11 8 15  | 18°49'39         | 10 <b>Y</b> 30  | 6°58           | 2°26           | 14°21         | 13°10          | 28°39          | 5°57 | 23°23  | 28° 0  | 3° 4         | 4° 8         | 1° 1          | 11°14          | M10  |
| T 11 | 11 12 11 | 19°49'35         | 22°35           | 8° 3           | 3° 9           | 15° 7         | 13°19          | 28°43          | 6° 0 | 23°22  | 28° 0  | 3° 5         | 4° 5         | 1° 7          | 11°18          | T 11 |
| W12  | 11 16 8  | 20°49'28         | 4 <b>8</b> 50   | 9° 0           | 3°50           | 15°53         | 13°28          | 28°47          | 6° 3 | 23°21  | 28° 0  | 3° 6         | 4° 1         | 1°14          | 11°22          | W12  |
| T 13 | 11 20 4  | 21°49'20         | 1 <u>7</u> °17  | 9°50           | 4°30           | 16°40         | 13°37          | 28°52          | 6° 6 | 23°21  | 28°D 0 | 3° 7         | 3°58         | 1°21          | 11°25          | T 13 |
| F 14 | 11 24 1  | 22°49'09         | 0П 0            | 10°31          | 5° 9           | 17°26         | 13°46          | 28°56          | 6° 8 | 23°20  | 28° 0  | 3° 8         | 3°55         | 1°27          | 11°29          | F 14 |
| S 15 | 11 27 57 | 23°48'56         | 13° 1           | 11° 5          | 5°46           | 18°12         | 13°54          | 29° 1          | 6°11 | 23°19  | 28° 0  | 3° 9         | 3°52         | 1°34          | 11°33          | S 15 |
| S 16 | 11 31 54 | 24°48'41         | 26°24           | 11°31          | 6°23           | 18°59         | 14° 3          | 29° 6          | 6°14 | 23°19  | 28° 0  | 3°R 9        | 3°49         | 1°41          | 11°37          | S 16 |
| M17  | 11 35 51 | 25°48'24         | 109510          | 11°48          | 6°58           | 19°45         | 14°11          | 29°10          | 6°16 | 23°18  | 28° 1  | 3° 9         | 3°46         | 1°47          | 11°40          | M17  |
| T 18 | 11 39 47 | 26°48'04         | 24°19           | 11°56          | 7°31           | 20°31         | 14°19          | 29°15          | 6°19 | 23°18  | 28° 1  | 3° 8         | 3°42         | 1°54          | 11°44          | T 18 |
| W19  | 11 43 44 | 27°47'42         | 8 <b>Ω</b> 51   | 11°R56         | 8° 3           | 21°18         | 14°28          | 29°20          | 6°21 | 23°17  | 28° 1  | 3° 8         | 3°39         | 2° 1          | 11°48          | W19  |
| T 20 | 11 47 40 | 28°47'18         | 23°40           | 11°49          | 8°34           | 22° 4         | 14°35          | 29°25          | 6°24 | 23°16  | 28° 1  | 3° 7         | 3°36         | 2° 7          | 11°51          | T 20 |
| F 21 | 11 51 37 | 29°46'51         | 8 mp 42         | 11°33          | 9° 3           | 22°51         | 14°43          | 29°30          | 6°26 | 23°16  | 28° 1  | 3° 7         | 3°33         | 2°14          | 11°55          | F 21 |
| S 22 | 11 55 33 | 0 <b>℃</b> 46′23 | 23°47           | 11°11          | 9°30           | 23°37         | 14°51          | 29°35          | 6°28 | 23°16  | 28° 1  | 3° 7         | 3°30         | 2°21          | 11°59          | S 22 |
| S 23 | 11 59 30 | 1°45'52          | 8 <b>≏</b> 47   | 10°41          | 9°56           | 24°23         | 14°59          | 29°41          | 6°31 | 23°15  | 28° 2  | 3°D 7        | 3°27         | 2°27          | 12° 2          | S 23 |
| M24  | 12 3 26  | 2°45'19          | 23°34           | 10° 6          | 10°20          | 25°10         | 15° 6          | 29°46          | 6°33 | 23°15  | 28° 2  | 3°R 7        | 3°23         | 2°34          | 12° 6          | M24  |
| T 25 | 12 7 23  | 3°44'44          | 8 <b>M</b> 0    | 9°26           | 10°42          | 25°56         | 15°13          | 29°51          | 6°35 | 23°14  | 28° 2  | 3° 7         | 3°20         | 2°41          | 12°10          | T 25 |
| W26  | 12 11 20 | 4°44'07          | 22° 2           | 8°41           | 11° 2          | 26°43         | 15°20          | 29°57          | 6°38 | 23°14  | 28° 2  | 3° 6         | 3°17         | 2°47          | 12°13          | W26  |
| T 27 | 12 15 16 | 5°43'29          | 5 <b>₹</b> 37   | 7°53           | 11°20          | 27°29         | 15°27          | 0 <b>I</b> I 3 | 6°40 | 23°14  | 28° 3  | 3° 6         | 3°14         | 2°54          | 12°17          | T 27 |
| F 28 | 12 19 13 | 6°42'49          | 18°45           | 7° 3           | 11°36          | 28°16         | 15°34          | 0° 8           | 6°42 | 23°13  | 28° 3  | 3° 6         | 3°11         | 3° 1          | 12°20          | F 28 |
| S 29 | 12 23 9  | 7°42'07          | 1 <b>ප</b> 30   | 6°12           | 11°51          | 29° 2         | 15°41          | 0°14           | 6°44 | 23°13  | 28° 3  | 3° 6         | 3° 7         | 3° 7          | 12°24          | S 29 |
| S 30 | 12 27 6  | 8°41'24          | 13°55           | 5°21           | 12° 3          | 29°49         | 15°47          | 0°20           | 6°46 | 23°13  | 28° 4  | 3°D 6        | 3° 4         | 3°14          | 12°27          | S 30 |
| M31  | 12 31 2  | 9 <b>Υ</b> 40'38 | 26 <b>ප</b> 3   | <b>4</b> Υ31   | 12813          | 0 <b>∺</b> 35 | 15 <b>る</b> 54 | 0 <b>Ⅱ</b> 25  | 6≈48 | 239513 | 28耳 4  | 3 <b>Υ</b> 6 | <b>3Υ</b> 1  | 3 <b>∺</b> 21 | 12 <b>米</b> 31 | M31  |

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| Day  | Sid.t    | 0                 | D               | ğ              | ·      | ď              | 4              | ħ             | )f(  | ¥      | Р             | V             | v             | Ç             | ę,               | Day  |
|------|----------|-------------------|-----------------|----------------|--------|----------------|----------------|---------------|------|--------|---------------|---------------|---------------|---------------|------------------|------|
| T 1  | 12 34 59 | 10 <b>Υ</b> 39'51 | 8≈ 1            | 3°R43          | 12820  | 1 <b>)</b> 22  | 16 <b>ට</b> 0  | 0Д31          | 6≈50 | 23°R13 | 28 <b>I</b> 5 | 3 <b>℃</b> 7  | 2 <b>Υ</b> 58 | 3 <b>∺</b> 27 | 12 <b>) (</b> 34 | T 1  |
| W 2  | 12 38 55 | 11°39'02          | 19°51           | 2 <b>Y</b> 57  | 12°26  | 2° 8           | 16° 6          | 0°37          | 6°52 | 239513 | 28° 5         | 3° 7          | 2°55          | 3°34          | 12°38            | W 2  |
| T 3  | 12 42 52 | 12°38'11          | 1 <b>∺</b> 39   | 2°15           | 12°29  | 2°55           | 16°12          | 0°43          | 6°54 | 23°13  | 28° 5         | 3° 8          | 2°52          | 3°41          | 12°41            | T 3  |
| F 4  | 12 46 49 | 13°37'18          | 13°27           | 1°37           | 12°R30 | 3°41           | 16°18          | 0°49          | 6°56 | 23°D13 | 28° 6         | 3° 9          | 2°48          | 3°47          | 12°45            | F 4  |
| S 5  | 12 50 45 | 14°36'23          | 25°20           | 1° 4           | 12°28  | 4°27           | 16°23          | 0°56          | 6°58 | 23°13  | 28° 6         | 3°10          | 2°45          | 3°54          | 12°48            | S 5  |
| S 6  | 12 54 42 | 15°35'26          | 7 <b>Ƴ</b> 20   | 0°35           | 12°24  | 5°14           | 16°29          | 1° 2          | 7° 0 | 23°13  | 28° 7         | 3°R10         | 2°42          | 4° 1          | 12°51            | S 6  |
| M 7  | 12 58 38 | 16°34'27          | 19°28           | 0°12           | 12°18  | 6° 0           | 16°34          | 1°8           | 7° 2 | 23°13  | 28° 8         | 3° 9          | 2°39          | 4° 7          | 12°55            | M 7  |
| T 8  | 13 2 35  | 17°33'26          | 1 <b>8</b> 48   | 29 <b>米</b> 54 | 12° 9  | 6°47           | 16°39          | 1°14          | 7° 3 | 23°13  | 28° 8         | 3° 8          | 2°36          | 4°14          | 12°58            | T 8  |
| W 9  | 13 631   | 18°32'24          | 14°19           | 29°41          | 11°57  | 7°33           | 16°44          | 1°21          | 7° 5 | 23°13  | 28° 9         | 3° 6          | 2°32          | 4°21          | 13° 1            | W 9  |
| T 10 | 13 10 28 | 19°31'19          | 27° 3           | 29°34          | 11°43  | 8°20           | 16°49          | 1°27          | 7° 7 | 23°13  | 28° 9         | 3° 4          | 2°29          | 4°27          | 13° 4            | T 10 |
| F 11 | 13 14 24 | 20°30'12          | 10 <b>I</b> I 0 | 29°D32         | 11°27  | 9° 6           | 16°53          | 1°34          | 7° 8 | 23°13  | 28°10         | 3° 1          | 2°26          | 4°34          | 13° 8            | F 11 |
| S 12 | 13 18 21 | 21°29'02          | 23°13           | 29°36          | 11° 8  | 9°53           | 16°58          | 1°40          | 7°10 | 23°14  | 28°11         | 2°59          | 2°23          | 4°41          | 13°11            | S 12 |
| S 13 | 13 22 18 | 22°27'51          | 69341           | 29°44          | 10°47  | 10°39          | 17° 2          | 1°47          | 7°11 | 23°14  | 28°11         | 2°58          | 2°20          | 4°47          | 13°14            | S 13 |
| M14  | 13 26 14 | 23°26'37          | 20°24           | 29°58          | 10°24  | 11°25          | 17° 6          | 1°54          | 7°13 | 23°14  | 28°12         | 2°D57         | 2°17          | 4°54          | 13°17            | M14  |
| T 15 | 13 30 11 | 24°25'21          | $4\Omega$ 24    | 0 <b>Υ</b> 17  | 9°58   | 12°12          | 17°10          | 2° 0          | 7°14 | 23°15  | 28°13         | 2°57          | 2°13          | 5° 1          | 13°20            | T 15 |
| W16  | 13 34 7  | 25°24'02          | 18°38           | 0°40           | 9°31   | 12°58          | 17°14          | 2° 7          | 7°15 | 23°15  | 28°13         | 2°58          | 2°10          | 5° 7          | 13°23            | W16  |
| T 17 | 13 38 4  | 26°22'42          | 3 Mp 6          | 1° 7           | 9° 1   | 13°44          | 17°17          | 2°14          | 7°17 | 23°15  | 28°14         | 3° 0          | 2° 7          | 5°14          | 13°26            | T 17 |
| F 18 | 13 42 0  | 27°21'19          | 17°43           | 1°39           | 8°30   | 14°31          | 17°21          | 2°21          | 7°18 | 23°16  | 28°15         | 3° 1          | 2° 4          | 5°21          | 13°29            | F 18 |
| S 19 | 13 45 57 | 28°19'53          | 2 <b>₾</b> 26   | 2°15           | 7°57   | 15°17          | 17°24          | 2°28          | 7°19 | 23°16  | 28°16         | 3°R 1         | 2° 1          | 5°27          | 13°32            | S 19 |
| S 20 | 13 49 53 | 29°18'26          | 17° 7           | 2°55           | 7°23   | 16° 3          | 17°27          | 2°34          | 7°20 | 23°17  | 28°17         | 3° 1          | 1°58          | 5°34          | 13°35            | S 20 |
| M21  | 13 53 50 | 0 <b>8</b> 16'57  | 1 <b>M</b> .40  | 3°38           | 6°47   | 16°50          | 17°30          | 2°41          | 7°21 | 23°17  | 28°17         | 2°59          | 1°54          | 5°41          | 13°38            | M21  |
| T 22 | 13 57 47 | 1°15'26           | 15°59           | 4°25           | 6°11   | 17°36          | 17°32          | 2°48          | 7°22 | 23°18  | 28°18         | 2°56          | 1°51          | 5°47          | 13°41            | T 22 |
| W23  | 14 1 43  | 2°13'53           | 29°59           | 5°16           | 5°33   | 18°22          | 17°35          | 2°56          | 7°23 | 23°19  | 28°19         | 2°51          | 1°48          | 5°54          | 13°44            | W23  |
| T 24 | 14 5 40  | 3°12'19           | 13 <b>×</b> 35  | 6° 9           | 4°56   | 19° 9          | 17°37          | 3° 3          | 7°24 | 23°19  | 28°20         | 2°47          | 1°45          | 6° 1          | 13°46            | T 24 |
| F 25 | 14 9 36  | 4°10'42           | 2 <u>6</u> °48  | 7° 6           | 4°18   | 19°55          | 17°39          | 3°10          | 7°25 | 23°20  | 28°21         | 2°42          | 1°42          | 6° 7          | 13°49            | F 25 |
| S 26 | 14 13 33 | 5° 9'05           | 9 <b>궁</b> 37   | 8° 6           | 3°40   | 20°41          | 17°41          | 3°17          | 7°26 | 23°21  | 28°22         | 2°39          | 1°38          | 6°14          | 13°52            | S 26 |
| S 27 | 14 17 29 | 6° 7'25           | 22° 5           | 9° 8           | 3° 2   | 21°27          | 17°43          | 3°24          | 7°27 | 23°21  | 28°23         | 2°36          | 1°35          | 6°21          | 13°54            | S 27 |
| M28  | 14 21 26 | 7° 5'44           | 4≈16            | 10°14          | 2°25   | 22°14          | 17°45          | 3°31          | 7°28 | 23°22  | 28°24         | 2°D35         | 1°32          | 6°27          | 13°57            | M28  |
| T 29 | 14 25 22 | 8° 4'02           | 16°14           | 11°22          | 1°49   | 23° 0          | 1 <u>7°</u> 46 | 3°39          | 7°28 | 23°23  | 28°25         | 2°35          | 1°29          | 6°34          | 14° 0            | T 29 |
| W30  | 14 29 19 | 9 <b>8</b> 2'18   | 28 <b>≈</b> 5   | 12 <b>Y</b> 32 | 1814   | 23 <b>)</b> 46 | 17 <b>る</b> 47 | 3 <b>Ⅱ</b> 46 | 7≈29 | 239524 | 28∏26         | 2 <b>Ƴ</b> 37 | 1 <b>Υ</b> 26 | 6 <b>∺</b> 41 | 14 <b>米</b> 2    | W30  |

Delta T = 15.37 sec

MAY 1913 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | φ              | ♂               | 4              | ħ             | )f(   | ħ      | Р              | 'n            | Ω              | Ç               | Ş,             | Day  |
|------|----------|------------------|-----------------|----------------|----------------|-----------------|----------------|---------------|-------|--------|----------------|---------------|----------------|-----------------|----------------|------|
| T 1  | 14 33 16 | 10 <b>岁</b> 0'32 | 9 <b>)</b> 53   | 13 <b>Y</b> 45 | 0°R40          | 24 <b>)</b> (32 | 17 <b>る</b> 48 | 3 <b>П</b> 53 | 7≈29  | 239525 | 28 <b>Ⅲ</b> 27 | 2 <b>Y</b> 38 | 1 <b>Υ</b> 23  | 6 <b>) (</b> 47 | 14 <b>)</b> 5  | T 1  |
| F 2  | 14 37 12 | 10°58'45         | 21°44           | 15° 0          | 08 7           | 25°18           | 17°49          | 4° 1          | 7°30  | 23°26  | 28°28          | 2°40          | 1°19           | 6°54            | 14° 7          | F 2  |
| S 3  | 14 41 9  | 11°56'56         | <b>3</b> Υ41    | 16°18          | 29 <b>Y</b> 36 | 26° 4           | 17°50          | 4° 8          | 7°31  | 23°26  | 28°29          | 2°R40         | 1°16           | 7° 1            | 14° 9          | S 3  |
| S 4  | 14 45 5  | 12°55'06         | 15°48           | 17°38          | 29° 6          | 26°50           | 17°50          | 4°16          | 7°31  | 23°27  | 28°30          | 2°39          | 1°13           | 7° 7            | 14°12          | S 4  |
| M 5  | 14 49 2  | 13°53'14         | 28° 8           | 19° 0          | 28°39          | 27°36           | 17°50          | 4°23          | 7°31  | 23°28  | 28°31          | 2°37          | 1°10           | 7°14            | 14°14          | M 5  |
| T 6  | 14 52 58 | 14°51'20         | 10844           | 20°24          | 28°13          | 28°22           | 17°R50         | 4°31          | 7°32  | 23°29  | 28°32          | 2°32          | 1° 7           | 7°21            | 14°16          | T 6  |
| W 7  | 14 56 55 | 15°49'25         | 23°35           | 21°51          | 27°50          | 29° 8           | 17°50          | 4°38          | 7°32  | 23°30  | 28°33          | 2°26          | 1° 4           | 7°27            | 14°19          | W 7  |
| T 8  | 15 0 51  | 16°47'29         | 6 <b>Ⅱ</b> 41   | 23°19          | 27°29          | 29°54           | 17°50          | 4°46          | 7°32  | 23°32  | 28°34          | 2°18          | 1° 0           | 7°34            | 14°21          | T 8  |
| F 9  | 15 4 48  | 17°45'31         | 20° 1           | 24°50          | 27°10          | 0 <b>Υ</b> 40   | 17°49          | 4°53          | 7°33  | 23°33  | 28°35          | 2°11          | 0°57           | 7°40            | 14°23          | F 9  |
| S 10 | 15 8 45  | 18°43'31         | 3934            | 26°23          | 26°54          | 1°26            | 17°49          | 5° 1          | 7°33  | 23°34  | 28°36          | 2° 4          | 0°54           | 7°47            | 14°25          | S 10 |
| S 11 | 15 12 41 | 19°41'29         | 17°18           | 27°58          | 26°39          | 2°12            | 17°48          | 5° 8          | 7°33  | 23°35  | 28°38          | 1°58          | 0°51           | 7°54            | 14°27          | S 11 |
| M12  | 15 16 38 | 20°39'25         | 1 <b>Ω</b> 11   | 29°34          | 26°28          | 2°58            | 17°47          | 5°16          | 7°33  | 23°36  | 28°39          | 1°54          | 0°48           | 8° 0            | 14°29          | M12  |
| T 13 | 15 20 34 | 21°37'20         | 15°12           | 1813           | 26°18          | 3°44            | 17°45          | 5°24          | 7°R33 | 23°37  | 28°40          | 1°53          | 0°44           | 8° 7            | 14°31          | T 13 |
| W14  | 15 24 31 | 22°35'12         | 29°19           | 2°54           | 26°12          | 4°29            | 17°44          | 5°31          | 7°33  | 23°39  | 28°41          | 1°D53         | 0°41           | 8°14            | 14°33          | W14  |
| T 15 | 15 28 27 | 23°33'03         | 13 <b>m</b> p31 | 4°37           | 26° 7          | 5°15            | 17°42          | 5°39          | 7°33  | 23°40  | 28°42          | 1°53          | 0°38           | 8°20            | 14°35          | T 15 |
| F 16 | 15 32 24 | 24°30'52         | 27°47           | 6°22           | 26°D 5         | 6° 1            | 17°41          | 5°47          | 7°33  | 23°41  | 28°44          | 1°R54         | 0°35           | 8°27            | 14°37          | F 16 |
| S 17 | 15 36 20 | 25°28'39         | 12 <b>º</b> 3   | 8° 9           | 26° 5          | 6°46            | 17°39          | 5°54          | 7°32  | 23°42  | 28°45          | 1°54          | 0°32           | 8°34            | 14°38          | S 17 |
| S 18 | 15 40 17 | 26°26'25         | 26°18           | 9°59           | 26° 8          | 7°32            | 17°36          | 6° 2          | 7°32  | 23°44  | 28°46          | 1°52          | 0°29           | 8°40            | 14°40          | S 18 |
| M19  | 15 44 14 | 27°24'09         | 10ML28          | 11°50          | 26°13          | 8°17            | 17°34          | 6°10          | 7°32  | 23°45  | 28°47          | 1°47          | 0°25           | 8°47            | 14°42          | M19  |
| T 20 | 15 48 10 | 28°21'52         | 24°27           | 13°43          | 26°20          | 9° 3            | 17°31          | 6°18          | 7°32  | 23°47  | 28°49          | 1°40          | 0°22           | 8°54            | 14°43          | T 20 |
| W21  | 15 52 7  | 29°19'33         | 8 <b>∡</b> 12   | 15°38          | 26°29          | 9°48            | 17°29          | 6°25          | 7°31  | 23°48  | 28°50          | 1°31          | 0°19           | 9° 0            | 14°45          | W21  |
| T 22 | 15 56 3  | 0 <b>Ⅲ</b> 17'14 | 21°39           | 17°36          | 26°40          | 10°34           | 17°26          | 6°33          | 7°31  | 23°50  | 28°51          | 1°21          | 0°16           | 9° 7            | 14°46          | T 22 |
| F 23 | 16 0 0   | 1°14'53          | 4 <b>る</b> 46   | 19°35          | 26°54          | 11°19           | 17°23          | 6°41          | 7°30  | 23°51  | 28°52          | 1°12          | 0°13           | 9°14            | 14°48          | F 23 |
| S 24 | 16 3 56  | 2°12'31          | 17°32           | 21°36          | 27° 9          | 12° 5           | 17°19          | 6°49          | 7°30  | 23°52  | 28°54          | 1° 3          | 0°10           | 9°20            | 14°49          | S 24 |
| S 25 | 16 7 53  | 3°10'07          | 0≈ 0            | 23°39          | 27°27          | 12°50           | 17°16          | 6°56          | 7°29  | 23°54  | 28°55          | 0°56          | 0° 6           | 9°27            | 14°51          | S 25 |
| M26  | 16 11 49 | 4° 7'43          | 12°11           | 25°43          | 27°46          | 13°35           | 17°12          | 7° 4          | 7°29  | 23°56  | 28°56          | 0°51          | 0° 3           | 9°34            | 14°52          | M26  |
| T 27 | 16 15 46 | 5° 5'18          | 24°10           | 27°50          | 28° 7          | 14°21           | 17° 9          | 7°12          | 7°28  | 23°57  | 28°58          | 0°49          | 0° 0           | 9°40            | 14°53          | T 27 |
| W28  | 16 19 43 | 6° 2'52          | 6 <b>∺</b> 1    | 29°57          | 28°30          | 15° 6           | 17° 5          | 7°20          | 7°27  | 23°59  | 28°59          | 0°D48         | 29 <b>米</b> 57 | 9°47            | 14°54          | W28  |
| T 29 | 16 23 39 | 7° 0'25          | 17°50           | 2 <b>I</b> I 6 | 28°54          | 15°51           | 17° 0          | 7°28          | 7°26  | 24° 0  | 29° 0          | 0°49          | 29°54          | 9°54            | 14°56          | T 29 |
| F 30 | 16 27 36 | 7°57'57          | 29°42           | 4°16           | 29°21          | 16°36           | 16°56          | 7°35          | 7°26  | 24° 2  | 29° 2          | 0°R49         | 29°50          | 10° 0           | 14°57          | F 30 |
| S 31 | 16 31 32 | 8 <b>Ⅱ</b> 55'28 | 11 <b>Y</b> 42  | 6 <b>Ⅱ</b> 27  | 29 <b>Υ</b> 48 | 17 <b>Υ</b> 21  | 16 <b>ට</b> 52 | 7 <b>Ⅱ</b> 43 | 7≈25  | 2495 4 | 29耳 3          | 0 <b>Υ</b> 49 | 29 <b>米</b> 47 | 10 <b>∺</b> 7   | 14 <b>米</b> 58 | S 31 |

Delta T = 15.47 sec

JUNE 1913 00:00 UT

| Day  | Sid.t    | 0        | D              | φ,           | φ             | δ             | 4               | ħ              | ¥     | ¥      | Р              | ß              | ಬ              | Ç              | Š              | Day  |
|------|----------|----------|----------------|--------------|---------------|---------------|-----------------|----------------|-------|--------|----------------|----------------|----------------|----------------|----------------|------|
| S 1  | 16 35 29 | 9∏52'59  | 23 <b>Y</b> 55 | 8Д39         | 0818          | 18 <b>Y</b> 6 | 16°R47          | 7 <b>Ⅱ</b> 51  | 7°R24 | 2499 5 | 29耳 4          | 0°R46          | 29 <b>)</b> 44 | 10 <b>)</b> 14 | 14 <b>米</b> 59 | S 1  |
| M 2  | 16 39 25 | 10°50'29 | 6 <b>8</b> 25  | 10°51        | 0°48          | 18°51         | 16 <b>පි</b> 42 | 7°59           | 7≈23  | 24° 7  | 29° 6          | 0 <b>Υ</b> 41  | 29°41          | 10°20          | 15° 0          | M 2  |
| T 3  | 16 43 22 | 11°47'57 | 19°14          | 13° 3        | 1°20          | 19°36         | 16°37           | 8° 7           | 7°22  | 24° 9  | 29° 7          | 0°34           | 29°38          | 10°27          | 15° 0          | T 3  |
| W 4  | 16 47 18 | 12°45'26 | 2Ⅱ23           | 15°15        | 1°54          | 20°21         | 16°32           | 8°14           | 7°21  | 24°11  | 29° 9          | 0°25           | 29°35          | 10°34          | 15° 1          | W 4  |
| T 5  | 16 51 15 | 13°42'53 | 15°51          | 17°27        | 2°29          | 21° 6         | 16°27           | 8°22           | 7°20  | 24°12  | 29°10          | 0°14           | 29°31          | 10°40          | 15° 2          | T 5  |
| F 6  | 16 55 12 | 14°40'19 | 29°37          | 19°37        | 3° 5          | 21°50         | 16°22           | 8°30           | 7°19  | 24°14  | 29°11          | 0° 2           | 29°28          | 10°47          | 15° 3          | F 6  |
| S 7  | 16 59 8  | 15°37'45 | 13936          | 21°47        | 3°42          | 22°35         | 16°16           | 8°38           | 7°18  | 24°16  | 29°13          | 29 <b>米</b> 51 | 29°25          | 10°53          | 15° 3          | S 7  |
| S 8  | 17 3 5   | 16°35'09 | 27°43          | 23°56        | 4°20          | 23°20         | 16°11           | 8°45           | 7°16  | 24°18  | 29°14          | 29°43          | 29°22          | 11° 0          | 15° 4          | S 8  |
| M 9  | 17 7 1   | 17°32'33 | 11 <b>Ω</b> 55 | 26° 3        | 5° 0          | 24° 4         | 16° 5           | 8°53           | 7°15  | 24°20  | 29°16          | 29°36          | 29°19          | 11° 7          | 15° 5          | M 9  |
| T 10 | 17 10 58 | 18°29'55 | 26° 9          | 28° 9        | 5°40          | 24°49         | 15°59           | 9° 1           | 7°14  | 24°22  | 29°17          | 29°33          | 29°16          | 11°13          | 15° 5          | T 10 |
| W11  | 17 14 54 | 19°27'16 | 10 <b>m</b> 20 | 0ණ13         | 6°21          | 25°33         | 15°53           | 9° 9           | 7°13  | 24°23  | 29°18          | 29°31          | 29°12          | 11°20          | 15° 5          | W11  |
| T 12 | 17 18 51 | 20°24'36 | 24°27          | 2°15         | 7° 4          | 26°18         | 15°47           | 9°16           | 7°11  | 24°25  | 29°20          | 29°31          | 29° 9          | 11°27          | 15° 6          | T 12 |
| F 13 | 17 22 48 | 21°21'55 | 8 <b>≏</b> 31  | 4°15         | 7°47          | 27° 2         | 15°40           | 9°24           | 7°10  | 24°27  | 29°21          | 29°31          | 29° 6          | 11°33          | 15° 6          | F 13 |
| S 14 | 17 26 44 | 22°19'13 | 22°28          | 6°13         | 8°32          | 27°46         | 15°34           | 9°32           | 7° 8  | 24°29  | 29°23          | 29°30          | 29° 3          | 11°40          | 15° 6          | S 14 |
| S 15 | 17 30 41 | 23°16'31 | 6 <b>M</b> 20  | 8° 8         | 9°17          | 28°31         | 15°28           | 9°39           | 7° 7  | 24°31  | 29°24          | 29°26          | 29° 0          | 11°47          | 15° 7          | S 15 |
| M16  | 17 34 37 | 24°13'47 | 20° 4          | 10° 2        | 10° 3         | 29°15         | 15°21           | 9°47           | 7° 5  | 24°33  | 29°26          | 29°20          | 28°56          | 11°53          | 15° 7          | M16  |
| T 17 | 17 38 34 | 25°11'03 | 3 <b>∡</b> 739 | 11°53        | 10°50         | 29°59         | 15°14           | 9°55           | 7° 4  | 24°35  | 29°27          | 29°11          | 28°53          | 12° 0          | 15° 7          | T 17 |
| W18  | 17 42 30 | 26° 8'18 | 17° 2          | 13°42        | 11°37         | 0 <b>8</b> 43 | 15° 7           | 10° 2          | 7° 2  | 24°37  | 29°29          | 28°59          | 28°50          | 12° 7          | 15°R 7         | W18  |
| T 19 | 17 46 27 | 27° 5'33 | 0 <b>궁</b> 10  | 15°28        | 12°26         | 1°27          | 15° 1           | 10°10          | 7° 1  | 24°39  | 29°30          | 28°47          | 28°47          | 12°13          | 15° 7          | T 19 |
| F 20 | 17 50 23 | 28° 2'47 | 13° 4          | 17°13        | 13°15         | 2°11          | 14°54           | 10°17          | 6°59  | 24°41  | 29°31          | 28°34          | 28°44          | 12°20          | 15° 7          | F 20 |
| S 21 | 17 54 20 | 29° 0'01 | 25°41          | 18°54        | 14° 5         | 2°55          | 14°47           | 10°25          | 6°57  | 24°43  | 29°33          | 28°23          | 28°41          | 12°27          | 15° 7          | S 21 |
| S 22 | 17 58 17 | 29°57'14 | 8≈ 2           | 20°34        | 14°55         | 3°38          | 14°39           | 10°32          | 6°55  | 24°45  | 29°34          | 28°13          | 28°37          | 12°33          | 15° 7          | S 22 |
| M23  | 18 2 13  | 0954'28  | 20° 9          | 22°11        | 15°46         | 4°22          | 14°32           | 10°40          | 6°54  | 24°47  | 29°36          | 28° 7          | 28°34          | 12°40          | 15° 6          | M23  |
| T 24 | 18 6 10  | 1°51'41  | 2 <b>米</b> 6   | 23°46        | 16°38         | 5° 6          | 14°25           | 10°47          | 6°52  | 24°49  | 29°37          | 28° 2          | 28°31          | 12°47          | 15° 6          | T 24 |
| W25  | 18 10 6  | 2°48'54  | 13°56          | 25°18        | 17°30         | 5°49          | 14°18           | 10°55          | 6°50  | 24°51  | 29°39          | 28° 0          | 28°28          | 12°53          | 15° 6          | W25  |
| T 26 | 18 14 3  | 3°46'06  | 25°45          | 26°48        | 18°23         | 6°33          | 14°10           | 11° 2          | 6°48  | 24°53  | 29°40          | 28° 0          | 28°25          | 13° 0          | 15° 5          | T 26 |
| F 27 | 18 17 59 | 4°43'19  | 7 <b>Ƴ</b> 37  | 28°15        | 19°17         | 7°16          | 14° 3           | 11°10          | 6°46  | 24°56  | 29°42          | 28° 0          | 28°22          | 13° 7          | 15° 5          | F 27 |
| S 28 | 18 21 56 | 5°40'32  | 19°37          | 29°40        | 20°11         | 8° 0          | 13°55           | 11°17          | 6°44  | 24°58  | 29°43          | 27°59          | 28°18          | 13°13          | 15° 5          | S 28 |
| S 29 | 18 25 52 | 6°37'45  | 1852           | 1 <b>0</b> 3 | 21° 5         | 8°43          | 13°48           | 11°24          | 6°43  | 25° 0  | 29°44          | 27°57          | 28°15          | 13°20          | 15° 4          | S 29 |
| M30  | 18 29 49 | 7934'58  | 14826          | $2\Omega 23$ | 22 <b>8</b> 0 | 9 <b>8</b> 26 | 13 <b>る</b> 40  | 11 <b>Ⅲ</b> 32 | 6≈41  | 2595 2 | 29 <b>Ⅱ</b> 46 | 27 <b>米</b> 53 | 28 <b>米</b> 12 | 13 <b>∺</b> 26 | 15 <b>∺</b> 3  | M30  |

Delta T = 15.58 sec

JULY 1913 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ     | ð              | 4              | ħ               | )f(   | ¥      | Р     | ß               | v               | ţ              | ٥٨             | Day  |
|------|----------|------------------|----------------|----------------|-------|----------------|----------------|-----------------|-------|--------|-------|-----------------|-----------------|----------------|----------------|------|
| T 1  | 18 33 46 | 8932'11          | 27 <b>8</b> 22 | 3 <b>Ω</b> 40  | 22856 | 10 <b>8</b> 9  | 13°R32         | 11 <b>II</b> 39 | 6°R39 | 2595 4 | 29∏47 | 27°R46          | 28 <b>∺</b> 9   | 13 <b>)</b> 33 | 15°R 3         | T 1  |
| W 2  | 18 37 42 | 9°29'25          | 10 <b>Ⅱ</b> 43 | 4°55           | 23°52 | 10°52          | 13 <b>る</b> 25 | 11°46           | 6≈37  | 25° 6  | 29°49 | 27 <b>)</b> 37  | 28° 6           | 13°40          | 15 <b>米</b> 2  | W 2  |
| T 3  | 18 41 39 | 10°26'38         | 24°28          | 6° 7           | 24°49 | 11°35          | 13°17          | 11°53           | 6°34  | 25° 8  | 29°50 | 27°26           | 28° 2           | 13°46          | 15° 1          | T 3  |
| F 4  | 18 45 35 | 11°23'52         | 8934           | 7°17           | 25°46 | 12°18          | 13° 9          | 12° 1           | 6°32  | 25°11  | 29°52 | 27°15           | 27°59           | 13°53          | 15° 0          | F 4  |
| S 5  | 18 49 32 | 12°21'05         | 22°57          | 8°23           | 26°43 | 13° 1          | 13° 2          | 12° 8           | 6°30  | 25°13  | 29°53 | 27° 4           | 27°56           | 14° 0          | 15° 0          | S 5  |
| S 6  | 18 53 28 | 13°18'19         | 7 <b>Ω</b> 30  | 9°27           | 27°41 | 13°44          | 12°54          | 12°15           | 6°28  | 25°15  | 29°54 | 26°55           | 27°53           | 14° 6          | 14°59          | S 6  |
| M 7  | 18 57 25 | 14°15'32         | 22° 6          | 10°27          | 28°39 | 14°26          | 12°46          | 12°22           | 6°26  | 25°17  | 29°56 | 26°49           | 27°50           | 14°13          | 14°58          | M 7  |
| T 8  | 19 1 21  | 15°12'46         | 6 <b>m</b> 39  | 11°25          | 29°37 | 15° 9          | 12°38          | 12°29           | 6°24  | 25°19  | 29°57 | 26°45           | 27°47           | 14°20          | 14°57          | T 8  |
| W 9  | 19 5 18  | 16° 9'59         | 21° 5          | 12°19          | 0Д36  | 15°52          | 12°31          | 12°36           | 6°22  | 25°22  | 29°59 | 26°D44          | 27°43           | 14°26          | 14°56          | W 9  |
| T 10 | 19 9 15  | 17° 7'12         | 5 <b>Ω</b> 19  | 13°10          | 1°35  | 16°34          | 12°23          | 12°43           | 6°19  | 25°24  | 099 0 | 26°44           | 27°40           | 14°33          | 14°54          | T 10 |
| F 11 | 19 13 11 | 18° 4'24         | 19°22          | 13°58          | 2°35  | 17°16          | 12°15          | 12°50           | 6°17  | 25°26  | 0° 1  | 26°R44          | 27°37           | 14°40          | 14°53          | F 11 |
| S 12 | 19 17 8  | 19° 1'37         | 3 <b>M</b> L11 | 14°42          | 3°35  | 17°58          | 12° 8          | 12°56           | 6°15  | 25°28  | 0° 3  | 26°44           | 27°34           | 14°46          | 14°52          | S 12 |
| S 13 | 19 21 4  | 19°58'50         | 16°48          | 15°22          | 4°35  | 18°41          | 12° 0          | 13° 3           | 6°13  | 25°30  | 0° 4  | 26°41           | 27°31           | 14°53          | 14°51          | S 13 |
| M14  | 19 25 1  | 20°56'03         | 0 <b>∡</b> 13  | 15°59          | 5°36  | 19°23          | 11°53          | 13°10           | 6°10  | 25°33  | 0° 6  | 26°36           | 27°28           | 15° 0          | 14°49          | M14  |
| T 15 | 19 28 57 | 21°53'16         | 13°25          | 16°31          | 6°37  | 20° 5          | 11°45          | 13°17           | 6° 8  | 25°35  | 0° 7  | 26°28           | 27°24           | 15° 6          | 14°48          | T 15 |
| W16  | 19 32 54 | 22°50'29         | 26°26          | 17° 0          | 7°38  | 20°46          | 11°38          | 13°23           | 6° 6  | 25°37  | 0° 8  | 26°18           | 27°21           | 15°13          | 14°47          | W16  |
| T 17 | 19 36 51 | 23°47'42         | 9 <b>궁</b> 14  | 17°24          | 8°39  | 21°28          | 11°30          | 13°30           | 6° 4  | 25°39  | 0°10  | 26° 8           | 27°18           | 15°20          | 14°45          | T 17 |
| F 18 | 19 40 47 | 24°44'56         | 21°49          | 17°43          | 9°41  | 22°10          | 11°23          | 13°36           | 6° 1  | 25°42  | 0°11  | 25°57           | 27°15           | 15°26          | 14°44          | F 18 |
| S 19 | 19 44 44 | 25°42'10         | 4≈12           | 17°59          | 10°43 | 22°52          | 11°16          | 13°43           | 5°59  | 25°44  | 0°12  | 25°47           | 27°12           | 15°33          | 14°42          | S 19 |
| S 20 | 19 48 40 | 26°39'25         | 16°24          | 18° 9          | 11°46 | 23°33          | 11° 9          | 13°49           | 5°57  | 25°46  | 0°14  | 25°39           | 27° 8           | 15°39          | 14°40          | S 20 |
| M21  | 19 52 37 | 27°36'40         | 28°24          | 18°14          | 12°48 | 24°14          | 11° 1          | 13°56           | 5°54  | 25°48  | 0°15  | 25°33           | 27° 5           | 15°46          | 14°39          | M21  |
| T 22 | 19 56 33 | 28°33'56         | 10 <b>)</b> 17 | 18°R15         | 13°51 | 24°56          | 10°54          | 14° 2           | 5°52  | 25°50  | 0°16  | 25°30           | 27° 2           | 15°53          | 14°37          | T 22 |
| W23  | 20 0 30  | 29°31'13         | 22° 5          | 18°11          | 14°54 | 25°37          | 10°47          | 14° 8           | 5°49  | 25°53  | 0°18  | 25°D29          | 26°59           | 15°59          | 14°35          | W23  |
| T 24 | 20 4 26  | 0 <b>£</b> 28'30 | <b>3</b> Υ53   | 18° 1          | 15°57 | 26°18          | 10°40          | 14°15           | 5°47  | 25°55  | 0°19  | 25°29           | 26°56           | 16° 6          | 14°34          | T 24 |
| F 25 | 20 8 23  | 1°25'48          | 15°44          | 17°47          | 17° 1 | 26°59          | 10°34          | 14°21           | 5°45  | 25°57  | 0°20  | 25°30           | 26°53           | 16°13          | 14°32          | F 25 |
| S 26 | 20 12 19 | 2°23'07          | 27°44          | 17°28          | 18° 5 | 27°40          | 10°27          | 14°27           | 5°42  | 25°59  | 0°21  | 25°R31          | 26°49           | 16°19          | 14°30          | S 26 |
| S 27 | 20 16 16 | 3°20'28          | 9 <b>8</b> 58  | 17° 4          | 19° 9 | 28°21          | 10°20          | 14°33           | 5°40  | 26° 2  | 0°23  | 25°31           | 26°46           | 16°26          | 14°28          | S 27 |
| M28  | 20 20 13 | 4°17'49          | 22°31          | 16°36          | 20°13 | 29° 2          | 10°14          | 14°39           | 5°37  | 26° 4  | 0°24  | 25°29           | 26°43           | 16°33          | 14°26          | M28  |
| T 29 | 20 24 9  | 5°15'11          | 5 <b>Ⅱ</b> 28  | 16° 3          | 21°18 | 29°42          | 10° 8          | 14°45           | 5°35  | 26° 6  | 0°25  | 25°25           | 26°40           | 16°39          | 14°24          | T 29 |
| W30  | 20 28 6  | 6°12'34          | 18°51          | 15°27          | 22°23 | 0∏23           | 10° 1          | 14°51           | 5°33  | 26° 8  | 0°26  | 25°20           | 26°37           | 16°46          | 14°22          | W30  |
| T 31 | 20 32 2  | 7 <b>Ω</b> 9'59  | 29542          | 14 <b>Ω</b> 48 | 23Ⅱ28 | 1 <b>I</b> I 3 | 9 <b>궁</b> 55  | 14 <b>Ⅱ</b> 57  | 5≈30  | 269510 | 0928  | 25 <b> €</b> 13 | 26 <b>)</b> ₹34 | 16 <b>¥</b> 53 | 14 <b>米</b> 20 | T 31 |

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AUGUST 1913 00:00 UT

| Day  | Sid.t    | 0                | ))              | φ              | φ        | ď              | 4             | ħ              | )Å(           | ¥      | 2             | ß              | Ω               | £              | Š              | Day  |
|------|----------|------------------|-----------------|----------------|----------|----------------|---------------|----------------|---------------|--------|---------------|----------------|-----------------|----------------|----------------|------|
| F 1  | 20 35 59 | 8 <b>Ω</b> 7'24  | 16958           | 14°R 5         | 24∏33    | 1 <b>Ⅱ</b> 43  | 9°R49         | 15 <b>II</b> 2 | 5°R28         | 269513 | 09329         | 25°R 5         | 26 <b>)</b> (30 | 16 <b>米</b> 59 | 14°R18         | F 1  |
| S 2  | 20 39 55 | 9° 4'51          | 1 <b>Ω</b> 35   | 13 <b>N</b> 21 | 25°38    | 2°24           | 9 <b>궁</b> 43 | 15° 8          | 5 <b>≈</b> 25 | 26°15  | 0°30          | 24 <b>米</b> 58 | 26°27           | 17° 6          | 14 <b>米</b> 16 | S 2  |
| S 3  | 20 43 52 | 10° 2'18         | 16°27           | 12°35          | 26°44    | 3° 4           | 9°38          | 15°14          | 5°23          | 26°17  | 0°31          | 24°53          | 26°24           | 17°13          | 14°14          | S 3  |
| M 4  | 20 47 49 | 10°59'46         | 1 <b>m</b> 25   | 11°49          | 27°49    | 3°44           | 9°32          | 15°19          | 5°21          | 26°19  | 0°32          | 24°49          | 26°21           | 17°19          | 14°11          | M 4  |
| T 5  | 20 51 45 | 11°57'15         | 16°20           | 11° 3          | 28°55    | 4°23           | 9°27          | 15°25          | 5°18          | 26°21  | 0°33          | 24°47          | 26°18           | 17°26          | 14° 9          | T 5  |
| W 6  | 20 55 42 | 12°54'45         | 1 <b>º</b> 6    | 10°19          | 0ର୍ତ୍ତ 1 | 5° 3           | 9°21          | 15°30          | 5°16          | 26°23  | 0°35          | 24°D47         | 26°14           | 17°32          | 14° 7          | W 6  |
| T 7  | 20 59 38 | 13°52'16         | 15°36           | 9°36           | 1° 7     | 5°43           | 9°16          | 15°35          | 5°14          | 26°26  | 0°36          | 24°48          | 26°11           | 17°39          | 14° 4          | T 7  |
| F 8  | 21 3 35  | 14°49'47         | 29°47           | 8°56           | 2°14     | 6°22           | 9°11          | 15°40          | 5°11          | 26°28  | 0°37          | 24°49          | 26° 8           | 17°46          | 14° 2          | F 8  |
| S 9  | 21 731   | 15°47'19         | 13 <b>M</b> 39  | 8°20           | 3°20     | 7° 2           | 9° 6          | 15°46          | 5° 9          | 26°30  | 0°38          | 24°R50         | 26° 5           | 17°52          | 14° 0          | S 9  |
| S 10 | 21 11 28 | 16°44'52         | 27°11           | 7°48           | 4°27     | 7°41           | 9° 1          | 15°51          | 5° 7          | 26°32  | 0°39          | 24°49          | 26° 2           | 17°59          | 13°57          | S 10 |
| M11  | 21 15 24 | 17°42'26         | 10 <b>₮</b> 26  | 7°21           | 5°34     | 8°20           | 8°57          | 15°56          | 5° 4          | 26°34  | 0°40          | 24°47          | 25°59           | 18° 6          | 13°55          | M11  |
| T 12 | 21 19 21 | 18°40'01         | 2 <u>3</u> °24  | 7° 0           | 6°41     | 8°59           | 8°53          | 16° 1          | 5° 2          | 26°36  | 0°41          | 24°44          | 25°55           | 18°12          | 13°52          | T 12 |
| W13  | 21 23 18 | 19°37'36         | 6 <b>ප</b> 7    | 6°46           | 7°48     | 9°38           | 8°48          | 16° 6          | 5° 0          | 26°38  | 0°42          | 24°39          | 25°52           | 18°19          | 13°50          | W13  |
| T 14 | 21 27 14 | 20°35'13         | 18°37           | 6°38           | 8°56     | 10°16          | 8°44          | 16°10          | 4°57          | 26°40  | 0°43          | 24°33          | 25°49           | 18°26          | 13°47          | T 14 |
| F 15 | 21 31 11 | 21°32'51         | 0≈56            | 6°D36          | 10° 3    | 10°55          | 8°40          | 16°15          | 4°55          | 26°42  | 0°44          | 24°27          | 25°46           | 18°32          | 13°45          | F 15 |
| S 16 | 21 35 7  | 22°30'30         | 13° 5           | 6°42           | 11°11    | 11°33          | 8°37          | 16°20          | 4°53          | 26°44  | 0°45          | 24°22          | 25°43           | 18°39          | 13°42          | S 16 |
| S 17 | 21 39 4  | 23°28'10         | 25° 6           | 6°55           | 12°19    | 12°12          | 8°33          | 16°24          | 4°51          | 26°47  | 0°46          | 24°18          | 25°40           | 18°46          | 13°40          | S 17 |
| M18  | 21 43 0  | 24°25'52         | 7 <b>∺</b> 0    | 7°16           | 13°27    | 12°50          | 8°30          | 16°29          | 4°48          | 26°49  | 0°47          | 24°15          | 25°36           | 18°52          | 13°37          | M18  |
| T 19 | 21 46 57 | 25°23'34         | 18°49           | 7°44           | 14°35    | 13°28          | 8°27          | 16°33          | 4°46          | 26°51  | 0°48          | 24°D14         | 25°33           | 18°59          | 13°34          | T 19 |
| W20  | 21 50 53 | 26°21'19         | 0 <b>Υ</b> 36   | 8°20           | 15°43    | 14° 6          | 8°24          | 16°37          | 4°44          | 26°53  | 0°49          | 24°14          | 25°30           | 19° 6          | 13°32          | W20  |
| T 21 | 21 54 50 | 27°19'04         | 12°24           | 9° 3           | 16°52    | 14°44          | 8°21          | 16°42          | 4°42          | 26°55  | 0°50          | 24°15          | 25°27           | 19°12          | 13°29          | T 21 |
| F 22 | 21 58 47 | 28°16'52         | 24°16           | 9°53           | 18° 0    | 15°21          | 8°18          | 16°46          | 4°40          | 26°56  | 0°50          | 24°16          | 25°24           | 19°19          | 13°26          | F 22 |
| S 23 | 22 2 43  | 29°14'41         | 6 <b>8</b> 17   | 10°50          | 19° 9    | 15°59          | 8°16          | 16°50          | 4°38          | 26°58  | 0°51          | 24°18          | 25°20           | 19°25          | 13°24          | S 23 |
| S 24 | 22 6 40  | 0 Mp 12'32       | 18°30           | 11°54          | 20°18    | 16°36          | 8°13          | 16°54          | 4°35          | 27° 0  | 0°52          | 24°19          | 25°17           | 19°32          | 13°21          | S 24 |
| M25  | 22 10 36 | 1°10'24          | 1 <b>II</b> 2   | 13° 4          | 21°27    | 17°13          | 8°11          | 16°58          | 4°33          | 27° 2  | 0°53          | 24°R20         | 25°14           | 19°39          | 13°18          | M25  |
| T 26 | 22 14 33 | 2° 8'19          | 13°55           | 14°20          | 22°36    | 17°51          | 8° 9          | 17° 1          | 4°31          | 27° 4  | 0°54          | 24°19          | 25°11           | 19°45          | 13°16          | T 26 |
| W27  | 22 18 29 | 3° 6'15          | 27°14           | 15°42          | 23°45    | 18°27          | 8° 7          | 17° 5          | 4°29          | 27° 6  | 0°55          | 24°18          | 25° 8           | 19°52          | 13°13          | W27  |
| T 28 | 22 22 26 | 4° 4'13          | 1199 0          | 17°10          | 24°54    | 19° 4          | 8° 6          | 17° 9          | 4°27          | 27° 8  | 0°55          | 24°16          | 25° 5           | 19°59          | 13°10          | T 28 |
| F 29 | 22 26 22 | 5° 2'13          | 25°13           | 18°42          | 26° 4    | 19°41          | 8° 5          | 17°12          | 4°25          | 27°10  | 0°56          | 24°13          | 25° 1           | 20° 5          | 13° 7          | F 29 |
| S 30 | 22 30 19 | 6° 0'15          | 9 <b>Ω</b> 51   | 20°18          | 27°13    | 20°17          | 8° 3          | 17°16          | 4°23          | 27°12  | 0°57          | 24°11          | 24°58           | 20°12          | 13° 4          | S 30 |
| S 31 | 22 34 16 | 6 <b>M</b> 58'19 | 24 <b>\O</b> 48 | 21 <b>Ω</b> 58 | 28923    | 20 <b>耳</b> 54 | 8 <b>ට</b> 2  | 17 <b>I</b> 19 | 4≈22          | 279513 | 0 <b>9</b> 58 | 24 <b>)</b> 9  | 24 <b>米</b> 55  | 20 <b>米</b> 19 | 13 <b>∺</b> 2  | S 31 |

Delta T = 15.79 sec

SEPTEMBER 1913 00:00 UT

| Day  | Sid.t    | 0                | D               | Ϋ́             | Q             | ♂             | 4            | ħ               | )Å(   | ¥      | Р     | ₽.            | v              | ţ              | ę o             | Day  |
|------|----------|------------------|-----------------|----------------|---------------|---------------|--------------|-----------------|-------|--------|-------|---------------|----------------|----------------|-----------------|------|
| M 1  | 22 38 12 | 7 <b>m</b> 56'24 | 9 <b>m</b> /56  | 23 <b>Ω</b> 42 | 29933         | 21耳30         | 8°R 2        | 17 <b>Ⅲ</b> 22  | 4°R20 | 279515 | 0958  | 24°R 8        | 24 <b>)</b> 52 | 20 <b>)</b> 25 | 12°R59          | M 1  |
| T 2  | 22 42 9  | 8°54'30          | 25° 6           | 25°29          | 0 <b>Ω</b> 43 | 22° 6         | 8 <b>ට</b> 1 | 17°25           | 4≈18  | 27°17  | 0°59  | 24°D 7        | 24°49          | 20°32          | 12 <b>米</b> 56  | T 2  |
| W 3  | 22 46 5  | 9°52'39          | 10 <b>♀</b> 9   | 27°18          | 1°53          | 22°41         | 8° 1         | 17°28           | 4°16  | 27°19  | 1° 0  | 24 <b>光</b> 8 | 24°46          | 20°39          | 12°53           | W 3  |
| T 4  | 22 50 2  | 10°50'48         | 24°56           | 29° 9          | 3° 3          | 23°17         | 8° 0         | 17°31           | 4°14  | 27°21  | 1° 0  | 24° 9         | 24°42          | 20°45          | 12°50           | T 4  |
| F 5  | 22 53 58 | 11°49'00         | 9 <b>M</b> 22   | 1 Mp 1         | 4°13          | 23°52         | 8°D 0        | 17°34           | 4°12  | 27°22  | 1° 1  | 24°10         | 24°39          | 20°52          | 12°48           | F 5  |
| S 6  | 22 57 55 | 12°47'13         | 23°24           | 2°55           | 5°24          | 24°28         | 8° 0         | 17°37           | 4°11  | 27°24  | 1° 1  | 24°10         | 24°36          | 20°58          | 12°45           | S 6  |
| S 7  | 23 1 51  | 13°45'27         | 7 <b>,₹</b> 7 2 | 4°50           | 6°34          | 25° 3         | 8° 1         | 17°39           | 4° 9  | 27°26  | 1° 2  | 24°11         | 24°33          | 21° 5          | 12°42           | S 7  |
| M 8  | 23 5 48  | 14°43'43         | 20°15           | 6°45           | 7°45          | 25°37         | 8° 1         | 17°42           | 4° 7  | 27°27  | 1° 2  | 24°R11        | 24°30          | 21°12          | 12°39           | M 8  |
| T 9  | 23 9 45  | 15°42'00         | 3 <b>ਰ</b> 7    | 8°40           | 8°55          | 26°12         | 8° 2         | 17°44           | 4° 6  | 27°29  | 1° 3  | 24°10         | 24°26          | 21°18          | 12°36           | T 9  |
| W10  | 23 13 41 | 16°40'19         | 15°41           | 10°35          | 10° 6         | 26°47         | 8° 3         | 17°46           | 4° 4  | 27°30  | 1° 3  | 24°10         | 24°23          | 21°25          | 12°34           | W10  |
| T 11 | 23 17 38 | 17°38'40         | 28° 0           | 12°30          | 11°17         | 27°21         | 8° 4         | 17°49           | 4° 3  | 27°32  | 1° 4  | 24° 9         | 24°20          | 21°32          | 12°31           | T 11 |
| F 12 | 23 21 34 | 18°37'02         | 10≈ 7           | 14°25          | 12°28         | 27°55         | 8° 6         | 17°51           | 4° 1  | 27°34  | 1° 4  | 24° 8         | 24°17          | 21°38          | 12°28           | F 12 |
| S 13 | 23 25 31 | 19°35'25         | 22° 6           | 16°19          | 13°39         | 28°29         | 8° 7         | 17°53           | 4° 0  | 27°35  | 1° 5  | 24° 7         | 24°14          | 21°45          | 12°25           | S 13 |
| S 14 | 23 29 27 | 20°33'51         | 3 <b>∺</b> 58   | 18°12          | 14°50         | 29° 3         | 8° 9         | 17°55           | 3°58  | 27°37  | 1° 5  | 24° 7         | 24°11          | 21°52          | 12°22           | S 14 |
| M15  | 23 33 24 | 21°32'18         | 15°47           | 20° 5          | 16° 1         | 29°36         | 8°11         | 17°56           | 3°57  | 27°38  | 1° 6  | 24° 7         | 24° 7          | 21°58          | 12°20           | M15  |
| T 16 | 23 37 20 | 22°30'47         | 27°35           | 21°57          | 17°13         | 099 9         | 8°13         | 17°58           | 3°56  | 27°40  | 1° 6  | 24°D 7        | 24° 4          | 22° 5          | 12°17           | T 16 |
| W17  | 23 41 17 | 23°29'18         | 9 <b>Υ</b> 24   | 23°48          | 18°24         | 0°42          | 8°15         | 18° 0           | 3°54  | 27°41  | 1° 6  | 24° 7         | 24° 1          | 22°12          | 12°14           | W17  |
| T 18 | 23 45 13 | 24°27'51         | 21°15           | 25°38          | 19°36         | 1°15          | 8°17         | 18° 1           | 3°53  | 27°42  | 1° 7  | 24°R 7        | 23°58          | 22°18          | 12°11           | T 18 |
| F 19 | 23 49 10 | 25°26'26         | 3 <b>8</b> 13   | 27°27          | 20°47         | 1°48          | 8°20         | 18° 3           | 3°52  | 27°44  | 1° 7  | 24° 7         | 23°55          | 22°25          | 12° 9           | F 19 |
| S 20 | 23 53 7  | 26°25'03         | 15°20           | 29°15          | 21°59         | 2°20          | 8°23         | 18° 4           | 3°51  | 27°45  | 1° 7  | 24° 7         | 23°51          | 22°32          | 12° 6           | S 20 |
| S 21 | 23 57 3  | 27°23'42         | 27°38           | 1 <b>♀</b> 2   | 23°11         | 2°52          | 8°26         | 18° 5           | 3°50  | 27°46  | 1° 7  | 24° 6         | 23°48          | 22°38          | 12° 3           | S 21 |
| M22  | 0 1 0    | 28°22'24         | 10 <b>I</b> I11 | 2°48           | 24°23         | 3°24          | 8°29         | 18° 6           | 3°49  | 27°48  | 1° 8  | 24° 6         | 23°45          | 22°45          | 12° 0           | M22  |
| T 23 | 0 4 56   | 29°21'07         | 23° 2           | 4°34           | 25°35         | 3°56          | 8°32         | 18° 7           | 3°48  | 27°49  | 1° 8  | 24° 6         | 23°42          | 22°51          | 11°58           | T 23 |
| W24  | 0 8 53   | 0 <b>≏</b> 19'53 | 6 <b>9</b> 315  | 6°18           | 26°47         | 4°28          | 8°36         | 18° 8           | 3°47  | 27°50  | 1° 8  | 24°D 6        | 23°39          | 22°58          | 11°55           | W24  |
| T 25 | 0 12 49  | 1°18'42          | 19°51           | 8° 1           | 27°59         | 4°59          | 8°40         | 18° 8           | 3°46  | 27°51  | 1° 8  | 24° 6         | 23°36          | 23° 5          | 11°53           | T 25 |
| F 26 | 0 16 46  | 2°17'33          | 3 <b>Ω</b> 52   | 9°43           | 29°12         | 5°30          | 8°43         | 18° 9           | 3°45  | 27°53  | 1° 8  | 24° 7         | 23°32          | 23°11          | 11°50           | F 26 |
| S 27 | 0 20 42  | 3°16'25          | 18°18           | 11°25          | 0 <b>m</b> 24 | 6° 1          | 8°48         | 18°10           | 3°44  | 27°54  | 1° 9  | 24° 7         | 23°29          | 23°18          | 11°47           | S 27 |
| S 28 | 0 24 39  | 4°15'20          | 3 Mp 5          | 13° 5          | 1°36          | 6°31          | 8°52         | 18°10           | 3°43  | 27°55  | 1° 9  | 24° 8         | 23°26          | 23°25          | 11°45           | S 28 |
| M29  | 0 28 36  | 5°14'18          | 18° 8           | 14°45          | 2°49          | 7° 1          | 8°56         | 18°10           | 3°42  | 27°56  | 1° 9  | 24°R 8        | 23°23          | 23°31          | 11°42           | M29  |
| T 30 | 0 32 32  | 6 <b>₽</b> 13'17 | 3 <b>≏</b> 18   | 16 <b>≏</b> 24 | 4 Mp 1        | 7 <b>9</b> 31 | 9 <b>ਰ</b> 1 | 18 <b>I</b> I10 | 3≈42  | 27957  | 195 9 | 24 <b>米</b> 8 | 23 <b>米</b> 20 | 23 <b>)</b> 38 | 11 <b>)</b> (40 | T 30 |

Delta T = 15.90 sec

OCTOBER 1913 00:00 UT

|      |         |                  |                |                | _               |                | _              |                |       |       | _     | _              | _              | _               | _              |      |
|------|---------|------------------|----------------|----------------|-----------------|----------------|----------------|----------------|-------|-------|-------|----------------|----------------|-----------------|----------------|------|
| Day  | Sid.t   | 0                | D              | ğ              | φ               | ♂ <sup>™</sup> | 4              | ħ              | )∤(   | ¥     | В     | ₽.             | v              | Ç               | §.             | Day  |
| W 1  | 0 36 29 | 7 <b>≏</b> 12'18 | 18 <b>≏</b> 26 | 18 <b>♀</b> 1  | 5 <b>m</b> ) 14 | 8 <b>9</b> 5 1 | 9 <b>ප</b> 6   | 18°R10         | 3°R41 | 27958 | 199 9 | 24°R 8         | 23 <b>)</b> 17 | 23 <b>)</b> (45 | 11°R37         | W 1  |
| T 2  | 0 40 25 | 8°11'22          | 3 <b>M</b> 24  | 19°38          | 6°27            | 8°30           | 9°11           | 18 <b>Ⅲ</b> 10 | 3≈40  | 27°59 | 1°R 9 | 24 <b>∺</b> 6  | 23°13          | 23°51           | 11 <b>)</b> 35 | T 2  |
| F 3  | 0 44 22 | 9°10'27          | 18° 2          | 21°15          | 7°40            | 9° 0           | 9°16           | 18°10          | 3°40  | 28° 0 | 1° 9  | 24° 4          | 23°10          | 23°58           | 11°32          | F 3  |
| S 4  | 0 48 18 | 10° 9'34         | 2 <b>₹</b> 16  | 22°50          | 8°53            | 9°28           | 9°21           | 18°10          | 3°39  | 28° 1 | 1° 9  | 24° 2          | 23° 7          | 24° 5           | 11°30          | S 4  |
| S 5  | 0 52 15 | 11° 8'43         | 16° 2          | 24°24          | 10° 6           | 9°57           | 9°26           | 18° 9          | 3°39  | 28° 2 | 1° 9  | 24° 1          | 23° 4          | 24°11           | 11°28          | S 5  |
| M 6  | 0 56 11 | 12° 7'54         | 29°22          | 25°58          | 11°19           | 10°25          | 9°32           | 18° 9          | 3°38  | 28° 3 | 1° 9  | 23°59          | 23° 1          | 24°18           | 11°25          | M 6  |
| T 7  | 1 0 8   | 13° 7'06         | 12 <b>る</b> 16 | 27°31          | 12°32           | 10°53          | 9°38           | 18° 8          | 3°38  | 28° 4 | 1° 8  | 23°D59         | 22°57          | 24°24           | 11°23          | T 7  |
| W 8  | 1 4 5   | 14° 6'21         | 24°48          | 29° 3          | 13°45           | 11°21          | 9°44           | 18° 8          | 3°38  | 28° 5 | 1° 8  | 23°59          | 22°54          | 24°31           | 11°21          | W 8  |
| T 9  | 1 8 1   | 15° 5'37         | 7 <b>≈</b> 2   | 0 <b>M</b> .35 | 14°58           | 11°48          | 9°50           | 18° 7          | 3°37  | 28° 5 | 1° 8  | 24° 0          | 22°51          | 24°38           | 11°19          | T 9  |
| F 10 | 1 11 58 | 16° 4'55         | 19° 3          | 2° 5           | 16°11           | 12°15          | 9°56           | 18° 6          | 3°37  | 28° 6 | 1° 8  | 24° 2          | 22°48          | 24°44           | 11°17          | F 10 |
| S 11 | 1 15 54 | 17° 4'14         | 0 <b>∺</b> 56  | 3°35           | 17°25           | 12°41          | 10° 2          | 18° 5          | 3°37  | 28° 7 | 1° 8  | 24° 4          | 22°45          | 24°51           | 11°14          | S 11 |
| S 12 | 1 19 51 | 18° 3'36         | 12°44          | 5° 4           | 18°38           | 13° 8          | 10° 9          | 18° 4          | 3°37  | 28° 8 | 1° 8  | 24° 5          | 22°42          | 24°58           | 11°12          | S 12 |
| M13  | 1 23 47 | 19° 2'59         | 24°31          | 6°33           | 19°52           | 13°34          | 10°16          | 18° 2          | 3°37  | 28° 8 | 1° 7  | 24°R 5         | 22°38          | 25° 4           | 11°10          | M13  |
| T 14 | 1 27 44 | 20° 2'24         | 6 <b>Υ</b> 20  | 8° 0           | 21° 5           | 13°59          | 10°23          | 18° 1          | 3°D37 | 28° 9 | 1° 7  | 24° 5          | 22°35          | 25°11           | 11° 8          | T 14 |
| W15  | 1 31 40 | 21° 1'51         | 18°14          | 9°27           | 22°19           | 14°24          | 10°30          | 18° 0          | 3°37  | 28° 9 | 1° 7  | 24° 3          | 22°32          | 25°18           | 11° 6          | W15  |
| T 16 | 1 35 37 | 22° 1'20         | 0 <b>8</b> 15  | 10°53          | 23°32           | 14°49          | 10°37          | 17°58          | 3°37  | 28°10 | 1° 7  | 23°59          | 22°29          | 25°24           | 11° 4          | T 16 |
| F 17 | 1 39 34 | 23° 0'52         | 12°24          | 12°18          | 24°46           | 15°14          | 10°44          | 17°56          | 3°37  | 28°10 | 1° 6  | 23°55          | 22°26          | 25°31           | 11° 2          | F 17 |
| S 18 | 1 43 30 | 24° 0'25         | 24°42          | 13°43          | 26° 0           | 15°38          | 10°52          | 17°54          | 3°37  | 28°11 | 1° 6  | 23°50          | 22°23          | 25°38           | 11° 0          | S 18 |
| S 19 | 1 47 27 | 25° 0'01         | 7 <b>Ⅱ</b> 12  | 15° 6          | 27°14           | 16° 1          | 10°59          | 17°53          | 3°37  | 28°11 | 1° 5  | 23°44          | 22°19          | 25°44           | 10°59          | S 19 |
| M20  | 1 51 23 | 25°59'39         | 19°54          | 16°29          | 28°27           | 16°25          | 11° 7          | 17°51          | 3°38  | 28°12 | 1° 5  | 23°40          | 22°16          | 25°51           | 10°57          | M20  |
| T 21 | 1 55 20 | 26°59'19         | 2951           | 17°50          | 29°41           | 16°48          | 11°15          | 17°48          | 3°38  | 28°12 | 1° 5  | 23°36          | 22°13          | 25°57           | 10°55          | T 21 |
| W22  | 1 59 16 | 27°59'02         | 16° 4          | 19°11          | 0 <b>ჲ</b> 55   | 17°10          | 11°23          | 17°46          | 3°38  | 28°13 | 1° 4  | 23°34          | 22°10          | 26° 4           | 10°53          | W22  |
| T 23 | 2 3 13  | 28°58'46         | 29°34          | 20°31          | 2° 9            | 17°32          | 11°31          | 17°44          | 3°39  | 28°13 | 1° 4  | 23°D33         | 22° 7          | 26°11           | 10°52          | T 23 |
| F 24 | 2 7 9   | 29°58'33         | 13 <b>Ω</b> 24 | 21°49          | 3°24            | 17°54          | 11°39          | 17°41          | 3°39  | 28°13 | 1° 3  | 23°34          | 22° 3          | 26°17           | 10°50          | F 24 |
| S 25 | 2 11 6  | 0 <b>M</b> 58'22 | 27°33          | 23° 6          | 4°38            | 18°15          | 11°48          | 17°39          | 3°40  | 28°14 | 1° 3  | 23°35          | 22° 0          | 26°24           | 10°49          | S 25 |
| S 26 | 2 15 3  | 1°58'14          | 12 Mp 0        | 24°22          | 5°52            | 18°36          | 11°56          | 17°36          | 3°40  | 28°14 | 1° 2  | 23°36          | 21°57          | 26°31           | 10°47          | S 26 |
| M27  | 2 18 59 | 2°58'07          | 26°44          | 25°36          | 7° 6            | 18°56          | 12° 5          | 17°34          | 3°41  | 28°14 | 1° 2  | 23°R37         | 21°54          | 26°37           | 10°46          | M27  |
| T 28 | 2 22 56 | 3°58'03          | 11 <b>≏</b> 38 | 26°49          | 8°20            | 19°16          | 12°14          | 17°31          | 3°42  | 28°14 | 1° 1  | 23°35          | 21°51          | 26°44           | 10°44          | T 28 |
| W29  | 2 26 52 | 4°58'01          | 26°35          | 28° 0          | 9°35            | 19°35          | 12°23          | 17°28          | 3°42  | 28°14 | 1° 1  | 23°32          | 21°48          | 26°51           | 10°43          | W29  |
| T 30 | 2 30 49 | 5°58'01          | 11 <b>M</b> 27 | 29° 9          | 10°49           | 19°54          | 12°32          | 17°25          | 3°43  | 28°14 | 1° 0  | 23°27          | 21°44          | 26°57           | 10°42          | T 30 |
| F 31 | 2 34 45 | 6ML58'02         | 26M 6          | 0 <b>₹</b> 16  | 12 <b>♀</b> 4   | 209512         | 12 <b>る</b> 41 | 17 <b>Ⅱ</b> 22 | 3≈44  | 28914 | 0959  | 23 <b>∺</b> 20 | 21 <b>)</b> 41 | 27 <b>)</b> 4   | 10 <b>∺</b> 40 | F 31 |

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| Day  | Sid.t   | 0                | D              | ğ               | φ               | ♂ <sup>™</sup> | 4               | ħ              | )∤(  | 并      | Р     | n                | ß              | Ç              | ę,              | Day  |
|------|---------|------------------|----------------|-----------------|-----------------|----------------|-----------------|----------------|------|--------|-------|------------------|----------------|----------------|-----------------|------|
| S 1  | 2 38 42 | 7 <b>M</b> 58'06 | 10 <b>×</b> 24 | 1 <b>×7</b> 21  | 13 <b>≏</b> 18  | 20930          | 12 <b>ප්</b> 51 | 17°R19         | 3≈45 | 28°R14 | 0°R59 | 23°R13           | 21 <b>米</b> 38 | 27 <b>)</b> 11 | 10°R39          | S 1  |
| S 2  | 2 42 38 | 8°58'11          | 24°17          | 2°23            | 14°33           | 20°47          | 13° 0           | 17 <b>Ⅲ</b> 15 | 3°46 | 289514 | 0ഇ58  | 23 <b>米</b> 6    | 21°35          | 27°17          | 10 <b>)</b> €38 | S 2  |
| M 3  | 2 46 35 | 9°58'18          | 7 <b>궁</b> 42  | 3°22            | 15°47           | 21° 4          | 13°10           | 17°12          | 3°47 | 28°14  | 0°57  | 23° 0            | 21°32          | 27°24          | 10°37           | M 3  |
| T 4  | 2 50 32 | 10°58'27         | 20°40          | 4°18            | 17° 2           | 21°20          | 13°19           | 17° 9          | 3°48 | 28°14  | 0°57  | 22°56            | 21°28          | 27°31          | 10°36           | T 4  |
| W 5  | 2 54 28 | 11°58'37         | 3≈15           | 5°10            | 18°16           | 21°36          | 13°29           | 17° 5          | 3°49 | 28°14  | 0°56  | 22°53            | 21°25          | 27°37          | 10°35           | W 5  |
| T 6  | 2 58 25 | 12°58'48         | 15°30          | 5°58            | 19°31           | 21°51          | 13°39           | 17° 2          | 3°50 | 28°14  | 0°55  | 22°D53           | 21°22          | 27°44          | 10°34           | T 6  |
| F 7  | 3 2 21  | 13°59'01         | 27°31          | 6°41            | 20°46           | 22° 5          | 13°49           | 16°58          | 3°51 | 28°14  | 0°55  | 22°54            | 21°19          | 27°50          | 10°33           | F 7  |
| S 8  | 3 6 18  | 14°59'16         | 9 <b>米</b> 22  | 7°19            | 22° 0           | 22°19          | 13°59           | 16°54          | 3°53 | 28°14  | 0°54  | 22°55            | 21°16          | 27°57          | 10°32           | S 8  |
| S 9  | 3 10 14 | 15°59'32         | 21° 9          | 7°52            | 23°15           | 22°32          | 14°10           | 16°50          | 3°54 | 28°13  | 0°53  | 22°R56           | 21°13          | 28° 4          | 10°32           | S 9  |
| M10  | 3 14 11 | 16°59'49         | 2 <b>Υ</b> 56  | 8°18            | 24°30           | 22°45          | 14°20           | 16°46          | 3°55 | 28°13  | 0°52  | 22°55            | 21° 9          | 28°10          | 10°31           | M10  |
| T 11 | 3 18 7  | 18° 0'08         | 14°49          | 8°37            | 25°45           | 22°57          | 14°31           | 16°42          | 3°57 | 28°13  | 0°51  | 22°53            | 21° 6          | 28°17          | 10°30           | T 11 |
| W12  | 3 22 4  | 19° 0'29         | 26°50          | 8°48            | 26°59           | 23° 8          | 14°41           | 16°38          | 3°58 | 28°12  | 0°50  | 22°47            | 21° 3          | 28°24          | 10°30           | W12  |
| T 13 | 3 26 1  | 20° 0'51         | 9 <b>8</b> 1   | 8°R51           | 28°14           | 23°19          | 14°52           | 16°34          | 4° 0 | 28°12  | 0°50  | 22°40            | 21° 0          | 28°30          | 10°29           | T 13 |
| F 14 | 3 29 57 | 21° 1'15         | 21°25          | 8°44            | 29°29           | 23°29          | 15° 3           | 16°30          | 4° 1 | 28°12  | 0°49  | 22°30            | 20°57          | 28°37          | 10°29           | F 14 |
| S 15 | 3 33 54 | 22° 1'40         | 4 <b>Ⅱ</b> 1   | 8°28            | 0 <b>M</b> .44  | 23°38          | 15°14           | 16°26          | 4° 3 | 28°11  | 0°48  | 22°19            | 20°54          | 28°44          | 10°28           | S 15 |
| S 16 | 3 37 50 | 23° 2'07         | 16°50          | 8° 2            | 1°59            | 23°47          | 15°24           | 16°22          | 4° 4 | 28°11  | 0°47  | 22° 8            | 20°50          | 28°50          | 10°28           | S 16 |
| M17  | 3 41 47 | 24° 2'36         | 29°51          | 7°25            | 3°14            | 23°55          | 15°36           | 16°17          | 4° 6 | 28°10  | 0°46  | 21°57            | 20°47          | 28°57          | 10°28           | M17  |
| T 18 | 3 45 43 | 25° 3'07         | 1395 3         | 6°38            | 4°29            | 24° 2          | 15°47           | 16°13          | 4° 8 | 28°10  | 0°45  | 21°49            | 20°44          | 29° 4          | 10°27           | T 18 |
| W19  | 3 49 40 | 26° 3'39         | 26°27          | 5°41            | 5°44            | 24° 9          | 15°58           | 16° 9          | 4° 9 | 28° 9  | 0°44  | 21°42            | 20°41          | 29°10          | 10°27           | W19  |
| T 20 | 3 53 36 | 27° 4'13         | 10 <b>N</b> 2  | 4°35            | 6°59            | 24°15          | 16° 9           | 16° 4          | 4°11 | 28° 8  | 0°43  | 21°39            | 20°38          | 29°17          | 10°27           | T 20 |
| F 21 | 3 57 33 | 28° 4'49         | 23°49          | 3°22            | 8°14            | 24°20          | 16°21           | 15°59          | 4°13 | 28° 8  | 0°42  | 21°D37           | 20°34          | 29°24          | 10°27           | F 21 |
| S 22 | 4 1 30  | 29° 5'27         | 7 <b>m</b> 47  | 2° 4            | 9°29            | 24°24          | 16°32           | 15°55          | 4°15 | 28° 7  | 0°41  | 21°37            | 20°31          | 29°30          | 10°D27          | S 22 |
| S 23 | 4 5 26  | 0 <b>₮</b> 6'06  | 21°57          | 0°42            | 10°44           | 24°28          | 16°44           | 15°50          | 4°17 | 28° 6  | 0°40  | 21°R38           | 20°28          | 29°37          | 10°27           | S 23 |
| M24  | 4 9 23  | 1° 6'47          | 6 <b>≏</b> 18  | 29M21           | 11°59           | 24°30          | 16°56           | 15°46          | 4°19 | 28° 6  | 0°39  | 21°37            | 20°25          | 29°43          | 10°27           | M24  |
| T 25 | 4 13 19 | 2° 7'30          | 20°47          | 28° 1           | 13°15           | 24°32          | 17° 8           | 15°41          | 4°21 | 28° 5  | 0°38  | 21°34            | 20°22          | 29°50          | 10°27           | T 25 |
| W26  | 4 17 16 | 3° 8'14          | 5 <b>M</b> 20  | 26°47           | 14°30           | 24°34          | 17°19           | 15°36          | 4°23 | 28° 4  | 0°37  | 21°28            | 20°19          | 29°57          | 10°28           | W26  |
| T 27 | 4 21 12 | 4° 9'00          | 19°51          | 25°40           | 15°45           | 24°R34         | 17°31           | 15°31          | 4°25 | 28° 3  | 0°36  | 21°20            | 20°15          | oΥ 3           | 10°28           | T 27 |
| F 28 | 4 25 9  | 5° 9'47          | 4 <b>₹</b> 14  | 24°42           | 17° 0           | 24°33          | 17°44           | 15°26          | 4°27 | 28° 2  | 0°35  | 21° 9            | 20°12          | 0°10           | 10°28           | F 28 |
| S 29 | 4 29 5  | 6°10'35          | 18°22          | 23°55           | 18°15           | 24°32          | 17°56           | 15°22          | 4°29 | 28° 1  | 0°34  | 20°56            | 20° 9          | 0°17           | 10°29           | S 29 |
| S 30 | 4 33 2  | 7 <b>₹</b> 11'25 | 2 <b>ට</b> 10  | 23 <b>M</b> .19 | 19 <b>M</b> _31 | 24930          | 18 පි81         | 15 <b>Ⅱ</b> 17 | 4≈32 | 289 1  | 0933  | 20 <b>) (</b> 44 | 20 <b>∺</b> 6  | 0 <b>Υ</b> 23  | 10 <b>∺</b> 29  | S 30 |

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DECEMBER 1913 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ              | ·               | ♂ <sup>™</sup> | 4               | ħ               | )Å(  | ¥      | Р     | ₽.               | ಬ              | Ç             | ę,             | Day  |
|------|---------|------------------|----------------|----------------|-----------------|----------------|-----------------|-----------------|------|--------|-------|------------------|----------------|---------------|----------------|------|
| M 1  | 4 36 59 | 8 <b>∡</b> 12'16 | 15 <b>る</b> 34 | 22°R55         | 20 <b>M</b> .46 | 24°R27         | 18 <b>る</b> 20  | 15°R12          | 4≈34 | 28°R 0 | 0°R32 | 20°R33           | 20 <b>米</b> 3  | 0 <b>Υ</b> 30 | 10 <b>∺</b> 29 | M 1  |
| T 2  | 4 40 55 | 9°13'08          | 28°34          | 22 <b>M</b> 42 | 22° 1           | 249523         | 18°33           | 15 <b>I</b> 7   | 4°36 | 279559 | 0931  | 20 <b>米</b> 25   | 20° 0          | 0°37          | 10°30          | T 2  |
| W 3  | 4 44 52 | 10°14'00         | 11≈10          | 22°D40         | 23°16           | 24°18          | 18°45           | 15° 2           | 4°39 | 27°58  | 0°30  | 20°19            | 19°56          | 0°43          | 10°31          | W 3  |
| T 4  | 4 48 48 | 11°14'54         | 23°27          | 22°48          | 24°32           | 24°13          | 18°57           | 14°57           | 4°41 | 27°57  | 0°29  | 20°16            | 19°53          | 0°50          | 10°31          | T 4  |
| F 5  | 4 52 45 | 12°15'48         | 5 <b>∺</b> 29  | 23° 6          | 25°47           | 24° 6          | 19°10           | 14°52           | 4°43 | 27°56  | 0°27  | 20°15            | 19°50          | 0°57          | 10°32          | F 5  |
| S 6  | 4 56 41 | 13°16'43         | 17°21          | 23°33          | 27° 2           | 23°59          | 19°23           | 14°47           | 4°46 | 27°54  | 0°26  | 20°15            | 19°47          | 1° 3          | 10°33          | S 6  |
| S 7  | 5 0 38  | 14°17'38         | 29° 8          | 24° 7          | 28°18           | 23°51          | 19°35           | 14°42           | 4°48 | 27°53  | 0°25  | 20°15            | 19°44          | 1°10          | 10°34          | S 7  |
| M 8  | 5 4 35  | 15°18'35         | 10 <b>Y</b> 57 | 24°49          | 29°33           | 23°42          | 19°48           | 14°37           | 4°51 | 27°52  | 0°24  | 20°13            | 19°40          | 1°17          | 10°35          | M 8  |
| T 9  | 5 8 31  | 16°19'32         | 22°52          | 25°36          | 0 <b>,</b> 748  | 23°32          | 20° 1           | 14°32           | 4°54 | 27°51  | 0°23  | 20°10            | 19°37          | 1°23          | 10°36          | T 9  |
| W10  | 5 12 28 | 17°20'30         | 4 <b>8</b> 58  | 26°29          | 2° 4            | 23°21          | 20°14           | 14°27           | 4°56 | 27°50  | 0°22  | 20° 3            | 19°34          | 1°30          | 10°37          | W10  |
| T 11 | 5 16 24 | 18°21'28         | 17°19          | 27°27          | 3°19            | 23°10          | 20°27           | 14°23           | 4°59 | 27°49  | 0°20  | 19°54            | 19°31          | 1°36          | 10°38          | T 11 |
| F 12 | 5 20 21 | 19°22'28         | 29°55          | 28°29          | 4°34            | 22°58          | 20°40           | 14°18           | 5° 2 | 27°47  | 0°19  | 19°42            | 19°28          | 1°43          | 10°39          | F 12 |
| S 13 | 5 24 17 | 20°23'28         | 12 <b>∏</b> 49 | 29°35          | 5°50            | 22°44          | 20°53           | 14°13           | 5° 4 | 27°46  | 0°18  | 19°29            | 19°25          | 1°50          | 10°40          | S 13 |
| S 14 | 5 28 14 | 21°24'28         | 26° 0          | 0 <b>∡</b> 744 | 7° 5            | 22°31          | 21° 6           | 14° 8           | 5° 7 | 27°45  | 0°17  | 19°15            | 19°21          | 1°56          | 10°41          | S 14 |
| M15  | 5 32 10 | 22°25'30         | 99525          | 1°56           | 8°20            | 22°16          | 21°19           | 14° 3           | 5°10 | 27°44  | 0°16  | 19° 2            | 19°18          | 2° 3          | 10°43          | M15  |
| T 16 | 5 36 7  | 23°26'32         | 23° 3          | 3°10           | 9°36            | 22° 0          | 21°32           | 13°58           | 5°13 | 27°42  | 0°15  | 18°51            | 19°15          | 2°10          | 10°44          | T 16 |
| W17  | 5 40 4  | 24°27'35         | 6 <b>Ω</b> 49  | 4°26           | 10°51           | 21°44          | 21°46           | 13°53           | 5°15 | 27°41  | 0°13  | 18°43            | 19°12          | 2°16          | 10°45          | W17  |
| T 18 | 5 44 0  | 25°28'39         | 20°42          | 5°44           | 12° 7           | 21°27          | 21°59           | 13°48           | 5°18 | 27°40  | 0°12  | 18°38            | 19° 9          | 2°23          | 10°47          | T 18 |
| F 19 | 5 47 57 | 26°29'44         | 4 <b>m</b> 40  | 7° 4           | 13°22           | 21°10          | 22°12           | 13°44           | 5°21 | 27°38  | 0°11  | 18°36            | 19° 6          | 2°30          | 10°48          | F 19 |
| S 20 | 5 51 53 | 27°30'50         | 18°41          | 8°25           | 14°37           | 20°51          | 22°26           | 13°39           | 5°24 | 27°37  | 0°10  | 18°D36           | 19° 2          | 2°36          | 10°50          | S 20 |
| S 21 | 5 55 50 | 28°31'56         | 2 <b>≙</b> 45  | 9°47           | 15°53           | 20°33          | 22°39           | 13°34           | 5°27 | 27°35  | 0° 9  | 18°R36           | 18°59          | 2°43          | 10°51          | S 21 |
| M22  | 5 59 46 | 29°33'03         | 16°51          | 11°11          | 17° 8           | 20°13          | 22°53           | 13°30           | 5°30 | 27°34  | 0° 7  | 18°35            | 18°56          | 2°50          | 10°53          | M22  |
| T 23 | 6 3 43  | 0 <b>ට</b> 34'11 | 0 <b>™</b> 58  | 12°35          | 18°24           | 19°53          | 23° 6           | 13°25           | 5°33 | 27°32  | 0° 6  | 18°32            | 18°53          | 2°56          | 10°55          | T 23 |
| W24  | 6 7 39  | 1°35'20          | 15° 5          | 14° 1          | 19°39           | 19°32          | 23°20           | 13°20           | 5°36 | 27°31  | 0° 5  | 18°26            | 18°50          | 3° 3          | 10°57          | W24  |
| T 25 | 6 11 36 | 2°36'29          | 29° 9          | 15°27          | 20°55           | 19°11          | 23°33           | 13°16           | 5°39 | 27°30  | 0° 4  | 18°17            | 18°46          | 3°10          | 10°58          | T 25 |
| F 26 | 6 15 33 | 3°37'39          | 13 <b>×</b> 5  | 16°53          | 22°10           | 18°49          | 23°47           | 13°11           | 5°42 | 27°28  | 0° 3  | 18° 6            | 18°43          | 3°16          | 11° 0          | F 26 |
| S 27 | 6 19 29 | 4°38'49          | 26°50          | 18°21          | 23°26           | 18°27          | 24° 1           | 13° 7           | 5°45 | 27°26  | 0° 1  | 17°54            | 18°40          | 3°23          | 11° 2          | S 27 |
| S 28 | 6 23 26 | 5°40'00          | 10 <b>ට</b> 20 | 19°49          | 24°41           | 18° 4          | 24°15           | 13° 2           | 5°48 | 27°25  | 0° 0  | 17°41            | 18°37          | 3°30          | 11° 4          | S 28 |
| M29  | 6 27 22 | 6°41'11          | 23°31          | 21°17          | 25°57           | 17°41          | 24°28           | 12°58           | 5°52 | 27°23  | 29∏59 | 17°30            | 18°34          | 3°36          | 11° 6          | M29  |
| T 30 | 6 31 19 | 7°42'21          | 6≈23           | 22°46          | 27°12           | 17°18          | 24°42           | 12°54           | 5°55 | 27°22  | 29°58 | 17°21            | 18°31          | 3°43          | 11°8           | T 30 |
| W31  | 6 35 15 | 8 <b>국</b> 43'32 | 18 <b>≈</b> 56 | 24 <b>₮</b> 16 | 28 <b>∡</b> 127 | 16955          | 24 <b>ප්</b> 56 | 12 <b>II</b> 50 | 5≈58 | 279520 | 29Ⅲ57 | 17 <b>) (</b> 14 | 18 <b>∺</b> 27 | 3 <b>Ƴ</b> 49 | 11 <b>米</b> 10 | W31  |

Delta T = 16.20 sec

JANUARY 1914 00:00 UT

| Day  | Sid.t   | 0                | D               | ğ              | φ              | ♂      | 4              | ħ               | )∤(  | ¥      | В              | Ω.             | ß              | Ç             | ٥٨             | Day  |
|------|---------|------------------|-----------------|----------------|----------------|--------|----------------|-----------------|------|--------|----------------|----------------|----------------|---------------|----------------|------|
| T 1  | 6 39 12 | 9 <b>ට</b> 44'43 | 1 <b>)</b> 12   | 25 <b>х</b> 46 | 29 <b>х</b> 43 | 16°R31 | 25 <b>궁</b> 10 | 12°R46          | 6≈ 1 | 27°R19 | 29°R55         | 17°R11         | 18 <b>)</b> 24 | <b>3</b> Υ56  | 11 <b>)</b> 13 | T 1  |
| F 2  | 6 43 8  | 10°45'53         | 13°14           | 27°16          | 0 <b>궁</b> 58  | 1695 7 | 25°24          | 12 <b>Ⅱ</b> 41  | 6° 5 | 279517 | 29∏54          | 17°D 9         | 18°21          | 4° 3          | 11°15          | F 2  |
| S 3  | 6 47 5  | 11°47'03         | 25° 6           | 28°47          | 2°14           | 15°43  | 25°38          | 12°37           | 6° 8 | 27°15  | 29°53          | 17 <b>∺</b> 9  | 18°18          | 4° 9          | 11°17          | S 3  |
| S 4  | 6 51 2  | 12°48'13         | 6 <b>Ƴ</b> 54   | 0 <b>궁</b> 18  | 3°29           | 15°19  | 25°52          | 12°34           | 6°11 | 27°14  | 29°52          | 17°10          | 18°15          | 4°16          | 11°19          | S 4  |
| M 5  | 6 54 58 | 13°49'23         | 18°43           | 1°49           | 4°45           | 14°55  | 26° 6          | 12°30           | 6°14 | 27°12  | 29°51          | 17°R10         | 18°12          | 4°23          | 11°22          | M 5  |
| T 6  | 6 58 55 | 14°50'32         | 0 <b>8</b> 38   | 3°21           | 6° 0           | 14°31  | 26°19          | 12°26           | 6°18 | 27°11  | 29°50          | 17° 8          | 18° 8          | 4°29          | 11°24          | T 6  |
| W 7  | 7 2 51  | 15°51'41         | 12°46           | 4°54           | 7°16           | 14° 7  | 26°33          | 12°22           | 6°21 | 27° 9  | 29°48          | 17° 5          | 18° 5          | 4°36          | 11°26          | W 7  |
| T 8  | 7 6 48  | 16°52'50         | 25° 9           | 6°26           | 8°31           | 13°44  | 26°48          | 12°19           | 6°24 | 27° 7  | 29°47          | 16°59          | 18° 2          | 4°43          | 11°29          | T 8  |
| F 9  | 7 10 44 | 17°53'58         | 7 <b>Ⅱ</b> 53   | 8° 0           | 9°47           | 13°20  | 27° 2          | 12°15           | 6°28 | 27° 6  | 29°46          | 16°50          | 17°59          | 4°49          | 11°31          | F 9  |
| S 10 | 7 14 41 | 18°55'06         | 20°58           | 9°33           | 11° 2          | 12°57  | 27°16          | 12°12           | 6°31 | 27° 4  | 29°45          | 16°41          | 17°56          | 4°56          | 11°34          | S 10 |
| S 11 | 7 18 38 | 19°56'13         | 49524           | 11° 7          | 12°17          | 12°34  | 27°30          | 12° 8           | 6°34 | 27° 2  | 29°44          | 16°30          | 17°52          | 5° 3          | 11°37          | S 11 |
| M12  | 7 22 34 | 20°57'20         | 18°11           | 12°42          | 13°33          | 12°11  | 27°44          | 12° 5           | 6°38 | 27° 1  | 29°43          | 16°20          | 17°49          | 5° 9          | 11°39          | M12  |
| T 13 | 7 26 31 | 21°58'27         | $2\Omega 14$    | 14°17          | 14°48          | 11°49  | 27°58          | 12° 2           | 6°41 | 26°59  | 29°42          | 16°12          | 17°46          | 5°16          | 11°42          | T 13 |
| W14  | 7 30 27 | 22°59'33         | 16°28           | 15°52          | 16° 4          | 11°27  | 28°12          | 11°59           | 6°45 | 26°57  | 29°41          | 16° 6          | 17°43          | 5°23          | 11°45          | W14  |
| T 15 | 7 34 24 | 24° 0'39         | 0 <b>m</b> /48  | 17°28          | 17°19          | 11° 6  | 28°26          | 11°56           | 6°48 | 26°55  | 29°40          | 16° 3          | 17°40          | 5°29          | 11°47          | T 15 |
| F 16 | 7 38 20 | 25° 1'44         | 15°10           | 19° 4          | 18°35          | 10°45  | 28°40          | 11°53           | 6°52 | 26°54  | 29°38          | 16°D 2         | 17°37          | 5°36          | 11°50          | F 16 |
| S 17 | 7 42 17 | 26° 2'50         | 29°29           | 20°41          | 19°50          | 10°24  | 28°54          | 11°50           | 6°55 | 26°52  | 29°37          | 16° 2          | 17°33          | 5°43          | 11°53          | S 17 |
| S 18 | 7 46 13 | 27° 3'55         | 13 <b>≏</b> 42  | 22°19          | 21° 5          | 10° 4  | 29° 9          | 11°47           | 6°59 | 26°50  | 29°36          | 16° 3          | 17°30          | 5°49          | 11°56          | S 18 |
| M19  | 7 50 10 | 28° 4'59         | 27°49           | 23°57          | 22°21          | 9°45   | 29°23          | 11°44           | 7° 2 | 26°49  | 29°35          | 16°R 4         | 17°27          | 5°56          | 11°59          | M19  |
| T 20 | 7 54 7  | 29° 6'04         | 11 <b>M</b> .47 | 25°35          | 23°36          | 9°26   | 29°37          | 11°42           | 7° 6 | 26°47  | 29°34          | 16° 3          | 17°24          | 6° 3          | 12° 2          | T 20 |
| W21  | 7 58 3  | 0≈ 7'08          | 25°37           | 27°14          | 24°52          | 9° 8   | 29°51          | 11°39           | 7° 9 | 26°45  | 29°33          | 16° 1          | 17°21          | 6° 9          | 12° 5          | W21  |
| T 22 | 8 2 0   | 1° 8'12          | 9 <b>√</b> 17   | 28°54          | 26° 7          | 8°50   | 0≈ 5           | 11°37           | 7°13 | 26°44  | 29°32          | 15°56          | 17°18          | 6°16          | 12° 8          | T 22 |
| F 23 | 8 5 56  | 2° 9'15          | 22°47           | 0≈34           | 27°22          | 8°34   | 0°19           | 11°35           | 7°16 | 26°42  | 29°31          | 15°49          | 17°14          | 6°22          | 12°11          | F 23 |
| S 24 | 8 9 53  | 3°10'18          | 6 <b>ප</b> 5    | 2°15           | 28°38          | 8°17   | 0°34           | 11°33           | 7°20 | 26°40  | 29°30          | 15°41          | 17°11          | 6°29          | 12°14          | S 24 |
| S 25 | 8 13 49 | 4°11'20          | 19°10           | 3°57           | 29°53          | 8° 2   | 0°48           | 11°31           | 7°23 | 26°39  | 29°29          | 15°34          | 17° 8          | 6°36          | 12°17          | S 25 |
| M26  | 8 17 46 | 5°12'22          | 2≈ 1            | 5°39           | 1≈ 9           | 7°47   | 1° 2           | 11°29           | 7°27 | 26°37  | 29°28          | 15°27          | 17° 5          | 6°42          | 12°20          | M26  |
| T 27 | 8 21 42 | 6°13'22          | 14°37           | 7°21           | 2°24           | 7°34   | 1°16           | 11°27           | 7°30 | 26°35  | 29°27          | 15°21          | 17° 2          | 6°49          | 12°23          | T 27 |
| W28  | 8 25 39 | 7°14'22          | 27° 0           | 9° 5           | 3°39           | 7°20   | 1°30           | 11°25           | 7°34 | 26°34  | 29°26          | 15°17          | 16°59          | 6°56          | 12°27          | W28  |
| T 29 | 8 29 36 | 8°15'20          | 9 <b>)</b> 9    | 10°49          | 4°55           | 7° 8   | 1°44           | 11°24           | 7°37 | 26°32  | 29°26          | 15°15          | 16°55          | 7° 2          | 12°30          | T 29 |
| F 30 | 8 33 32 | 9°16'17          | 21° 8           | 12°33          | 6°10           | 6°57   | 1°58           | 11°22           | 7°41 | 26°30  | 29°25          | 15°D15         | 16°52          | 7° 9          | 12°33          | F 30 |
| S 31 | 8 37 29 | 10≈17'13         | 2 <b>Ƴ</b> 59   | 14 <b>≈</b> 19 | 7≈25           | 69346  | 2≈12           | 11 <b>II</b> 21 | 7≈44 | 269529 | 29 <b>Ⅱ</b> 24 | 15 <b>∺</b> 17 | 16 <b>¥</b> 49 | 7 <b>Υ</b> 16 | 12 <b>)</b> 36 | S 31 |

Delta T = 16.31 sec

FEBRUARY 1914 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | δ             | 4             | ħ               | )f(           | <del>\f</del> | Р      | ₽.             | Ω                | Ç              | ę,               | Day  |
|------|----------|------------------|----------------|----------------|----------------|---------------|---------------|-----------------|---------------|---------------|--------|----------------|------------------|----------------|------------------|------|
| S 1  | 8 41 25  | 11≈18'08         | 14 <b>Y</b> 47 | 16≈ 4          | 8≈41           | 6°R36         | 2≈27          | 11°R19          | 7≈48          | 26°R27        | 29°R23 | 15 <b>)</b> 18 | 16 <b>) (</b> 46 | 7 <b>Υ</b> 22  | 12 <b>) (</b> 40 | S 1  |
| M 2  | 8 45 22  | 12°19'02         | 26°35          | 17°50          | 9°56           | 6 <b>9</b> 27 | 2°41          | 11 <b>II</b> 18 | 7°51          | 269925        | 29∏22  | 15°20          | 16°43            | 7°29           | 12°43            | M 2  |
| T 3  | 8 49 18  | 13°19'54         | 8 <b>8</b> 30  | 19°37          | 11°11          | 6°19          | 2°55          | 11°17           | 7°55          | 26°24         | 29°21  | 15°R21         | 16°39            | 7°36           | 12°46            | T 3  |
| W 4  | 8 53 15  | 14°20'45         | 20°35          | 21°24          | 12°27          | 6°11          | 3° 9          | 11°16           | 7°58          | 26°22         | 29°20  | 15°21          | 16°36            | 7°42           | 12°50            | W 4  |
| T 5  | 8 57 11  | 15°21'34         | 2 <b>Ⅱ</b> 57  | 23°11          | 13°42          | 6° 5          | 3°23          | 11°15           | 8° 2          | 26°20         | 29°20  | 15°20          | 16°33            | 7°49           | 12°53            | T 5  |
| F 6  | 9 1 8    | 16°22'22         | 15°39          | 24°59          | 14°57          | 5°59          | 3°37          | 11°15           | 8° 5          | 26°19         | 29°19  | 15°17          | 16°30            | 7°56           | 12°57            | F 6  |
| S 7  | 9 5 5    | 17°23'09         | 28°45          | 26°47          | 16°13          | 5°54          | 3°51          | 11°14           | 8° 9          | 26°17         | 29°18  | 15°13          | 16°27            | 8° 2           | 13° 0            | S 7  |
| S 8  | 9 9 1    | 18°23'54         | 129516         | 28°34          | 17°28          | 5°50          | 4° 5          | 11°14           | 8°12          | 26°16         | 29°17  | 15° 9          | 16°24            | 8° 9           | 13° 4            | S 8  |
| M 9  | 9 12 58  | 19°24'38         | 26°12          | 0 <b>∺</b> 22  | 18°43          | 5°46          | 4°19          | 11°13           | 8°15          | 26°14         | 29°17  | 15° 5          | 16°20            | 8°16           | 13° 7            | M 9  |
| T 10 | 9 16 54  | 20°25'20         | $10\Omega 30$  | 2° 8           | 19°58          | 5°44          | 4°33          | 11°13           | 8°19          | 26°13         | 29°16  | 15° 1          | 16°17            | 8°22           | 13°11            | T 10 |
| W11  | 9 20 51  | 21°26'01         | 25° 6          | 3°54           | 21°14          | 5°42          | 4°47          | 11°13           | 8°22          | 26°11         | 29°15  | 14°59          | 16°14            | 8°29           | 13°14            | W11  |
| T 12 | 9 24 47  | 22°26'40         | 9 <b>m</b> 52  | 5°39           | 22°29          | 5°41          | 5° 0          | 11°D13          | 8°26          | 26°10         | 29°15  | 14°D58         | 16°11            | 8°36           | 13°18            | T 12 |
| F 13 | 9 28 44  | 23°27'18         | 24°41          | 7°23           | 23°44          | 5°D40         | 5°14          | 11°13           | 8°29          | 26° 8         | 29°14  | 14°58          | 16° 8            | 8°42           | 13°21            | F 13 |
| S 14 | 9 32 40  | 24°27'55         | 9 <b>≏</b> 27  | 9° 5           | 24°59          | 5°41          | 5°28          | 11°13           | 8°33          | 26° 7         | 29°13  | 14°59          | 16° 4            | 8°49           | 13°25            | S 14 |
| S 15 | 9 36 37  | 25°28'30         | 24° 2          | 10°45          | 26°14          | 5°42          | 5°42          | 11°13           | 8°36          | 26° 5         | 29°13  | 15° 1          | 16° 1            | 8°56           | 13°28            | S 15 |
| M16  | 9 40 34  | 26°29'05         | 8 <b>M</b> 24  | 12°22          | 27°29          | 5°44          | 5°56          | 11°14           | 8°39          | 26° 4         | 29°12  | 15° 2          | 15°58            | 9° 2           | 13°32            | M16  |
| T 17 | 9 44 30  | 27°29'38         | 22°28          | 13°56          | 28°45          | 5°46          | 6° 9          | 11°14           | 8°43          | 26° 3         | 29°12  | 15°R 3         | 15°55            | 9° 9           | 13°36            | T 17 |
| W18  | 9 48 27  | 28°30'10         | 6 <b>₹</b> 15  | 15°26          | 29°59          | 5°49          | 6°23          | 11°15           | 8°46          | 26° 1         | 29°11  | 15° 2          | 15°52            | 9°16           | 13°39            | W18  |
| T 19 | 9 52 23  | 29°30'41         | 1 <u>9</u> °44 | 16°51          | 1 <b>米</b> 15  | 5°53          | 6°37          | 11°16           | 8°50          | 26° 0         | 29°10  | 15° 2          | 15°49            | 9°22           | 13°43            | T 19 |
| F 20 | 9 56 20  | 0 <b>∺</b> 31'10 | 2 <b>ප්</b> 56 | 18°12          | 2°30           | 5°58          | 6°50          | 11°16           | 8°53          | 25°58         | 29°10  | 15° 0          | 15°45            | 9°29           | 13°47            | F 20 |
| S 21 | 10 0 16  | 1°31'39          | 15°53          | 19°27          | 3°45           | 6° 3          | 7° 4          | 11°17           | 8°56          | 25°57         | 29° 9  | 14°58          | 15°42            | 9°35           | 13°50            | S 21 |
| S 22 | 10 4 13  | 2°32'05          | 28°35          | 20°35          | 5° 0           | 6° 9          | 7°17          | 11°19           | 8°59          | 25°56         | 29° 9  | 14°56          | 15°39            | 9°42           | 13°54            | S 22 |
| M23  | 10 8 9   | 3°32'31          | 11≈ 5          | 21°37          | 6°15           | 6°16          | 7°31          | 11°20           | 9° 3          | 25°55         | 29° 9  | 14°55          | 15°36            | 9°49           | 13°58            | M23  |
| T 24 | 10 12 6  | 4°32'54          | 23°24          | 22°30          | 7°30           | 6°23          | 7°44          | 11°21           | 9° 6          | 25°53         | 29° 8  | 14°53          | 15°33            | 9°55           | 14° 1            | T 24 |
| W25  | 10 16 3  | 5°33'16          | 5 <b></b> ₩32  | 23°16          | 8°45           | 6°31          | 7°58          | 11°22           | 9° 9          | 25°52         | 29° 8  | 14°53          | 15°30            | 10° 2          | 14° 5            | W25  |
| T 26 | 10 19 59 | 6°33'36          | 17°33          | 23°53          | 10° 0          | 6°40          | 8°11          | 11°24           | 9°12          | 25°51         | 29° 7  | 14°D52         | 15°26            | 10° 9          | 14° 9            | T 26 |
| F 27 | 10 23 56 | 7°33'55          | 29°26          | 24°20          | 11°15          | 6°49          | 8°24          | 11°26           | 9°16          | 25°50         | 29° 7  | 14°53          | 15°23            | 10°15          | 14°12            | F 27 |
| S 28 | 10 27 52 | 8 <b>∺</b> 34'11 | 11 <b>Y</b> 15 | 24 <b>米</b> 39 | 12 <b>米</b> 30 | 6 <b>9</b> 59 | 8 <b>≈</b> 37 | 11 <b>II</b> 27 | 9 <b>≈</b> 19 | 259548        | 29耳 7  | 14 <b>米</b> 53 | 15 <b>∺</b> 20   | 10 <b>Υ</b> 22 | 14 <b>)</b> 16   | S 28 |

Delta T = 16.41 sec

MARCH 1914 00:00 UT

| Day  | Sid.t    | 0                 | D               | ğ                | Q.              | ð              | 4     | ħ              | ) <b>f</b> ( | 并      | В      | ₽.               | v               | Ç              | k<br>k          | Day  |
|------|----------|-------------------|-----------------|------------------|-----------------|----------------|-------|----------------|--------------|--------|--------|------------------|-----------------|----------------|-----------------|------|
| S 1  | 10 31 49 | 9 <b>)</b> (34′26 | 23 <b>Y</b> 3   | 24°R47           | 13 <b>)</b> (45 | 7 <b>9</b> 5 9 | 8≈51  | 11 <b>Ⅱ</b> 29 | 9≈22         | 25°R47 | 29°R 6 | 14 <b>)</b> 54   | 15 <b>)</b> 17  | 10 <b>Y</b> 29 | 14 <b>)</b> (20 | S 1  |
| M 2  | 10 35 45 | 10°34'39          | 4 <b>8</b> 52   | 24 <b>) (</b> 47 | 15° 0           | 7°20           | 9° 4  | 11°31          | 9°25         | 259546 | 29Ⅱ 6  | 14°55            | 15°14           | 10°35          | 14°24           | M 2  |
| T 3  | 10 39 42 | 11°34'49          | 16°47           | 24°36            | 16°15           | 7°31           | 9°17  | 11°33          | 9°28         | 25°45  | 29° 6  | 14°55            | 15°10           | 10°42          | 14°27           | T 3  |
| W 4  | 10 43 38 | 12°34'58          | 28°52           | 24°17            | 17°30           | 7°43           | 9°30  | 11°36          | 9°31         | 25°44  | 29° 6  | 14°55            | 15° 7           | 10°49          | 14°31           | W 4  |
| T 5  | 10 47 35 | 13°35'05          | 11 <b>II</b> 10 | 23°49            | 18°45           | 7°56           | 9°43  | 11°38          | 9°34         | 25°43  | 29° 5  | 14°R55           | 15° 4           | 10°55          | 14°35           | T 5  |
| F 6  | 10 51 32 | 14°35'09          | 23°47           | 23°13            | 20° 0           | 8° 9           | 9°56  | 11°40          | 9°37         | 25°42  | 29° 5  | 14°D55           | 15° 1           | 11° 2          | 14°39           | F 6  |
| S 7  | 10 55 28 | 15°35'12          | 69647           | 22°31            | 21°15           | 8°22           | 10° 9 | 11°43          | 9°40         | 25°41  | 29° 5  | 14°55            | 14°58           | 11° 9          | 14°42           | S 7  |
| S 8  | 10 59 25 | 16°35'12          | 20°12           | 21°42            | 22°30           | 8°36           | 10°22 | 11°45          | 9°43         | 25°40  | 29° 5  | 14°55            | 14°55           | 11°15          | 14°46           | S 8  |
| M 9  | 11 3 21  | 17°35'10          | 4 <b>Ω</b> 4    | 20°49            | 23°45           | 8°51           | 10°34 | 11°48          | 9°46         | 25°39  | 29° 5  | 14°56            | 14°51           | 11°22          | 14°50           | M 9  |
| T 10 | 11 7 18  | 18°35'06          | 18°22           | 19°53            | 24°59           | 9° 6           | 10°47 | 11°51          | 9°49         | 25°38  | 29° 5  | 14°56            | 14°48           | 11°29          | 14°54           | T 10 |
| W11  | 11 11 14 | 19°35'00          | 3 Mm 4          | 18°54            | 26°14           | 9°21           | 11° 0 | 11°54          | 9°52         | 25°37  | 29° 5  | 14°56            | 14°45           | 11°35          | 14°57           | W11  |
| T 12 | 11 15 11 | 20°34'51          | 18° 3           | 17°55            | 27°29           | 9°37           | 11°12 | 11°57          | 9°55         | 25°37  | 29° 4  | 14°R56           | 14°42           | 11°42          | 15° 1           | T 12 |
| F 13 | 11 19 7  | 21°34'41          | 3 <b>₽</b> 11   | 16°57            | 28°44           | 9°54           | 11°25 | 12° 0          | 9°58         | 25°36  | 29° 4  | 14°56            | 14°39           | 11°49          | 15° 5           | F 13 |
| S 14 | 11 23 4  | 22°34'29          | 18°20           | 16° 0            | 29°58           | 10°11          | 11°37 | 12° 3          | 10° 1        | 25°35  | 29°D 4 | 14°55            | 14°36           | 11°55          | 15° 8           | S 14 |
| S 15 | 11 27 1  | 23°34'15          | 3 <b>M</b> .19  | 15° 7            | 1 <b>Y</b> 13   | 10°28          | 11°49 | 12° 6          | 10° 4        | 25°34  | 29° 4  | 14°55            | 14°32           | 12° 2          | 15°12           | S 15 |
| M16  | 11 30 57 | 24°33'59          | 18° 1           | 14°17            | 2°28            | 10°45          | 12° 2 | 12°10          | 10° 6        | 25°34  | 29° 4  | 14°53            | 14°29           | 12° 9          | 15°16           | M16  |
| T 17 | 11 34 54 | 25°33'42          | 2 <b>~</b> 21   | 13°32            | 3°42            | 11° 3          | 12°14 | 12°13          | 10° 9        | 25°33  | 29° 4  | 14°52            | 14°26           | 12°15          | 15°20           | T 17 |
| W18  | 11 38 50 | 26°33'23          | 16°17           | 12°53            | 4°57            | 11°22          | 12°26 | 12°17          | 10°12        | 25°32  | 29° 5  | 14°52            | 14°23           | 12°22          | 15°23           | W18  |
| T 19 | 11 42 47 | 27°33'02          | 29°47           | 12°19            | 6°12            | 11°41          | 12°38 | 12°21          | 10°14        | 25°32  | 29° 5  | 14°D52           | 14°20           | 12°29          | 15°27           | T 19 |
| F 20 | 11 46 43 | 28°32'39          | 12 <b>る</b> 54  | 11°51            | 7°26            | 12° 0          | 12°50 | 12°25          | 10°17        | 25°31  | 29° 5  | 14°52            | 14°16           | 12°35          | 15°31           | F 20 |
| S 21 | 11 50 40 | 29°32'15          | 25°41           | 11°29            | 8°41            | 12°19          | 13° 2 | 12°28          | 10°20        | 25°30  | 29° 5  | 14°53            | 14°13           | 12°42          | 15°34           | S 21 |
| S 22 | 11 54 36 | 0 <b>Υ</b> 31'49  | 8≈10            | 11°14            | 9°55            | 12°39          | 13°14 | 12°32          | 10°22        | 25°30  | 29° 5  | 14°54            | 14°10           | 12°49          | 15°38           | S 22 |
| M23  | 11 58 33 | 1°31'21           | 20°25           | 11° 4            | 11°10           | 12°59          | 13°25 | 12°37          | 10°25        | 25°29  | 29° 5  | 14°56            | 14° 7           | 12°55          | 15°42           | M23  |
| T 24 | 12 2 30  | 2°30'51           | 2 <b>)</b> (30  | 11°D 0           | 12°25           | 13°20          | 13°37 | 12°41          | 10°27        | 25°29  | 29° 6  | 14°57            | 14° 4           | 13° 2          | 15°45           | T 24 |
| W25  | 12 6 26  | 3°30'20           | 14°27           | 11° 3            | 13°39           | 13°41          | 13°49 | 12°45          | 10°30        | 25°28  | 29° 6  | 14°R57           | 14° 1           | 13° 9          | 15°49           | W25  |
| T 26 | 12 10 23 | 4°29'46           | 26°18           | 11°11            | 14°53           | 14° 2          | 14° 0 | 12°49          | 10°32        | 25°28  | 29° 6  | 14°57            | 13°57           | 13°15          | 15°52           | T 26 |
| F 27 | 12 14 19 | 5°29'10           | 8 <b>Ƴ</b> 7    | 11°24            | 16° 8           | 14°24          | 14°11 | 12°54          | 10°34        | 25°28  | 29° 6  | 14°55            | 13°54           | 13°22          | 15°56           | F 27 |
| S 28 | 12 18 16 | 6°28'33           | 19°56           | 11°42            | 17°22           | 14°46          | 14°23 | 12°58          | 10°37        | 25°27  | 29° 7  | 14°53            | 13°51           | 13°29          | 16° 0           | S 28 |
| S 29 | 12 22 12 | 7°27'53           | 1 <b>8</b> 45   | 12° 6            | 18°37           | 15° 8          | 14°34 | 13° 3          | 10°39        | 25°27  | 29° 7  | 14°49            | 13°48           | 13°35          | 16° 3           | S 29 |
| M30  | 12 26 9  | 8°27'11           | 13°38           | 12°34            | 19°51           | 15°30          | 14°45 | 13° 8          | 10°41        | 25°27  | 29° 7  | 14°45            | 13°45           | 13°42          | 16° 7           | M30  |
| T 31 | 12 30 5  | 9 <b>Ƴ</b> 26'27  | 25 <b>8</b> 37  | 13 <b>¥</b> 6    | 21 <b>°</b> 5   | 15953          | 14≈56 | 13 <b>Ⅱ</b> 12 | 10≈43        | 25927  | 29耳 8  | 14 <b>) (</b> 41 | 13 <b>)</b> (41 | 13 <b>Y</b> 49 | 16 <b>¥</b> 10  | T 31 |

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| Day  | Sid.t    | 0                 | D               | ğ                | ·              | ♂      | 4     | ħ              | )f(            | ¥      | Р     | v                | v                | Ç              | ç                | Day  |
|------|----------|-------------------|-----------------|------------------|----------------|--------|-------|----------------|----------------|--------|-------|------------------|------------------|----------------|------------------|------|
| W 1  | 12 34 2  | 10 <b>Y</b> 25'40 | 7 <b>Ⅱ</b> 45   | 13 <b>) (</b> 43 | 22 <b>Y</b> 20 | 169916 | 15≈ 7 | 13 <b>Ⅱ</b> 17 | 10≈46          | 25°R26 | 29Ⅱ 8 | 14°R37           | 13 <b>) (</b> 38 | 13 <b>Y</b> 55 | 16 <b>)</b> 14   | W 1  |
| T 2  | 12 37 58 | 11°24'52          | 20° 5           | 14°23            | 23°34          | 16°40  | 15°18 | 13°22          | 10°48          | 259526 | 29° 8 | 14 <b>) (</b> 34 | 13°35            | 14° 2          | 16°17            | T 2  |
| F 3  | 12 41 55 | 12°24'01          | 2939            | 15° 7            | 24°48          | 17° 3  | 15°28 | 13°27          | 10°50          | 25°26  | 29° 9 | 14°33            | 13°32            | 14° 9          | 16°21            | F 3  |
| S 4  | 12 45 52 | 13°23'08          | 15°33           | 15°55            | 26° 3          | 17°27  | 15°39 | 13°32          | 10°52          | 25°26  | 29° 9 | 14°D32           | 13°29            | 14°15          | 16°24            | S 4  |
| S 5  | 12 49 48 | 14°22'12          | 28°49           | 16°46            | 27°17          | 17°51  | 15°50 | 13°37          | 10°54          | 25°26  | 29°10 | 14°33            | 13°26            | 14°22          | 16°27            | S 5  |
| M 6  | 12 53 45 | 15°21'14          | $12\Omega 31$   | 17°40            | 28°31          | 18°16  | 16° 0 | 13°43          | 10°56          | 25°26  | 29°10 | 14°34            | 13°22            | 14°29          | 16°31            | M 6  |
| T 7  | 12 57 41 | 16°20'14          | 26°38           | 18°37            | 29°45          | 18°41  | 16°10 | 13°48          | 10°58          | 25°D26 | 29°11 | 14°36            | 13°19            | 14°35          | 16°34            | T 7  |
| W 8  | 13 138   | 17°19'11          | 11 <b>M</b> p11 | 19°37            | 0 <b>8</b> 59  | 19° 5  | 16°20 | 13°53          | 11° 0          | 25°26  | 29°11 | 14°R37           | 13°16            | 14°42          | 16°37            | W 8  |
| T 9  | 13 5 34  | 18°18'07          | 26° 6           | 20°40            | 2°13           | 19°31  | 16°30 | 13°59          | 11° 2          | 25°26  | 29°12 | 14°36            | 13°13            | 14°49          | 16°41            | T 9  |
| F 10 | 13 931   | 19°17'00          | 11 <b>≏</b> 16  | 21°45            | 3°27           | 19°56  | 16°40 | 14° 4          | 11° 3          | 25°26  | 29°13 | 14°34            | 13°10            | 14°55          | 16°44            | F 10 |
| S 11 | 13 13 27 | 20°15'51          | 26°32           | 22°53            | 4°41           | 20°22  | 16°50 | 14°10          | 11° 5          | 25°26  | 29°13 | 14°31            | 13° 7            | 15° 2          | 16°47            | S 11 |
| S 12 | 13 17 24 | 21°14'40          | 11 <b>M</b> 44  | 24° 3            | 5°55           | 20°47  | 17° 0 | 14°16          | 11° 7          | 25°26  | 29°14 | 14°26            | 13° 3            | 15° 9          | 16°51            | S 12 |
| M13  | 13 21 21 | 22°13'27          | 26°42           | 25°16            | 7° 9           | 21°13  | 17°10 | 14°21          | 11° 9          | 25°26  | 29°14 | 14°20            | 13° 0            | 15°15          | 16°54            | M13  |
| T 14 | 13 25 17 | 23°12'12          | 11 <b>×</b> 17  | 26°30            | 8°23           | 21°40  | 17°19 | 14°27          | 11°10          | 25°27  | 29°15 | 14°15            | 12°57            | 15°22          | 16°57            | T 14 |
| W15  | 13 29 14 | 24°10'56          | 25°25           | 27°47            | 9°37           | 22° 6  | 17°29 | 14°33          | 11°12          | 25°27  | 29°16 | 14°10            | 12°54            | 15°29          | 17° 0            | W15  |
| T 16 | 13 33 10 | 25° 9'38          | 9 <b>る</b> 3    | 29° 6            | 10°51          | 22°33  | 17°38 | 14°39          | 11°13          | 25°27  | 29°17 | 14° 7            | 12°51            | 15°35          | 17° 3            | T 16 |
| F 17 | 13 37 7  | 26° 8'19          | 22°14           | 0 <b>Υ</b> 27    | 12° 5          | 23° 0  | 17°47 | 14°45          | 11°15          | 25°28  | 29°17 | 14°D 6           | 12°47            | 15°42          | 17° 6            | F 17 |
| S 18 | 13 41 3  | 27° 6'57          | 5 <b>≈</b> 0    | 1°50             | 13°19          | 23°27  | 17°56 | 14°51          | 11°16          | 25°28  | 29°18 | 14° 6            | 12°44            | 15°49          | 17° 9            | S 18 |
| S 19 | 13 45 0  | 28° 5'34          | 17°25           | 3°14             | 14°33          | 23°54  | 18° 5 | 14°57          | 11°18          | 25°28  | 29°19 | 14° 7            | 12°41            | 15°55          | 17°12            | S 19 |
| M20  | 13 48 56 | 29° 4'10          | 29°34           | 4°41             | 15°47          | 24°21  | 18°14 | 15° 3          | 11°19          | 25°29  | 29°20 | 14° 9            | 12°38            | 16° 2          | 17°15            | M20  |
| T 21 | 13 52 53 | 0 <b>8</b> 2'43   | 11 <b>米</b> 31  | 6° 9             | 17° 0          | 24°49  | 18°22 | 15°10          | 11°20          | 25°29  | 29°20 | 14°R10           | 12°35            | 16° 9          | 17°18            | T 21 |
| W22  | 13 56 50 | 1° 1'15           | 23°22           | 7°40             | 18°14          | 25°17  | 18°31 | 15°16          | 11°22          | 25°30  | 29°21 | 14° 9            | 12°32            | 16°15          | 17°21            | W22  |
| T 23 | 14 0 46  | 1°59'45           | 5 <b>Υ</b> 10   | 9°12             | 19°28          | 25°45  | 18°39 | 15°22          | 11°23          | 25°30  | 29°22 | 14° 7            | 12°28            | 16°22          | 17°24            | T 23 |
| F 24 | 14 443   | 2°58'13           | 16°57           | 10°46            | 20°42          | 26°13  | 18°48 | 15°29          | 11°24          | 25°31  | 29°23 | 14° 2            | 12°25            | 16°29          | 17°27            | F 24 |
| S 25 | 14 8 39  | 3°56'40           | 28°47           | 12°21            | 21°55          | 26°41  | 18°56 | 15°35          | 11°25          | 25°31  | 29°24 | 13°55            | 12°22            | 16°35          | 17°30            | S 25 |
| S 26 | 14 12 36 | 4°55'04           | 10841           | 13°59            | 23° 9          | 27°10  | 19° 4 | 15°42          | 11°26          | 25°32  | 29°25 | 13°47            | 12°19            | 16°42          | 17°33            | S 26 |
| M27  | 14 16 32 | 5°53'27           | 22°42           | 15°38            | 24°22          | 27°39  | 19°12 | 15°48          | 11°27          | 25°33  | 29°26 | 13°37            | 12°16            | 16°49          | 17°35            | M27  |
| T 28 | 14 20 29 | 6°51'48           | 4 <b>Ⅱ</b> 50   | 17°19            | 25°36          | 28° 7  | 19°19 | 15°55          | 11°28          | 25°33  | 29°27 | 13°27            | 12°13            | 16°55          | 17°38            | T 28 |
| W29  | 14 24 25 | 7°50'07           | 17° 6           | 19° 2            | 26°50          | 28°36  | 19°27 | 16° 2          | 11°29          | 25°34  | 29°28 | 13°17            | 12° 9            | 17° 2          | 17°41            | W29  |
| T 30 | 14 28 22 | 8 <b>8</b> 48'25  | 29 <b>Ⅲ</b> 34  | 20 <b>Υ</b> 46   | 28 <b>8</b> 3  | 2995 6 | 19≈34 | 16 <b>II</b> 8 | 11 <b>≈</b> 30 | 25935  | 29∏29 | 13 <b>米</b> 10   | 12 <b>)</b> 6    | 17 <b>Ƴ</b> 9  | 17 <b>) (</b> 43 | T 30 |

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| Day          | Sid.t               | 0                            | D                      | ğ                     | φ                      | ♂              | 4              | ħ               | )ұ(            | 卉              | В                     | ß              | v              | Ç              | ę,               | Day          |
|--------------|---------------------|------------------------------|------------------------|-----------------------|------------------------|----------------|----------------|-----------------|----------------|----------------|-----------------------|----------------|----------------|----------------|------------------|--------------|
| F 1          | 14 32 19            | 9846'40                      | 129514                 | 22 <b>Y</b> 32        | 29817                  | 29935          | 19≈42          | 16 <b>Ⅱ</b> 15  | 11≈31          | 25936          | 29∏30                 | 13°R 4         | 12 <b>)</b> 3  | 17 <b>Y</b> 15 | 17 <b>) (</b> 46 | F 1          |
| S 2          | 14 36 15            | 10°44'53                     | 25° 9                  | 24°20                 | 0Д30                   | 0 <b>Ω</b> 4   | 19°49          | 16°22           | 11°31          | 25°37          | 29°31                 | 13 <b>米</b> 1  | 12° 0          | 17°22          | 17°49            | S 2          |
| S 3          | 14 40 12            | 11°43'04                     | 8 <b>Ω</b> 21          | 26°10                 | 1°43                   | 0°34           | 19°56          | 16°29           | 11°32          | 25°37          | 29°32                 | 12°D59         | 11°57          | 17°29          | 17°51            | S 3          |
| M 4          | 14 44 8             | 12°41'13                     | 21°54                  | 28° 2                 | 2°57                   | 1° 4           | 20° 3          | 16°36           | 11°33          | 25°38          | 29°33                 | 13° 0          | 11°53          | 17°35          | 17°54            | M 4          |
| T 5          | 14 48 5             | 13°39'20                     | 5 <b>m</b> 50          | 29°55                 | 4°10                   | 1°34           | 20° 9          | 16°43           | 11°33          | 25°39          | 29°34                 | 13°R 0         | 11°50          | 17°42          | 17°56            | T 5          |
| W 6          | 14 52 1             | 14°37'25                     | 20° 8                  | 1851                  | 5°24                   | 2° 4           | 20°16          | 16°50           | 11°34          | 25°40          | 29°35                 | 13° 0          | 11°47          | 17°49          | 17°58            | W 6          |
| T 7          | 14 55 58            | 15°35'28                     | 4 <b>≙</b> 47          | 3°48                  | 6°37                   | 2°34           | 20°22          | 16°57           | 11°35          | 25°41          | 29°36                 | 12°58          | 11°44          | 17°55          | 18° 1            | T 7          |
| F 8          | 14 59 54            | 16°33'29                     | 19°44                  | 5°46                  | 7°50                   | 3° 4           | 20°28          | 17° 4           | 11°35          | 25°42          | 29°37                 | 12°54          | 11°41          | 18° 2          | 18° 3            | F 8          |
| S 9          | 15 3 51             | 17°31'29                     | 4 <b>M</b> 50          | 7°47                  | 9° 3                   | 3°34           | 20°34          | 17°11           | 11°35          | 25°43          | 29°38                 | 12°48          | 11°38          | 18° 9          | 18° 5            | S 9          |
| S 10         | 15 7 48             | 18°29'27                     | 19°57                  | 9°49                  | 10°16                  | 4° 5           | 20°40          | 17°18           | 11°36          | 25°44          | 29°39                 | 12°39          | 11°34          | 18°15          | 18° 8            | S 10         |
| M11          | 15 11 44            | 19°27'23                     | 4 <b>₹</b> 55          | 11°53                 | 11°30                  | 4°35           | 20°46          | 17°25           | 11°36          | 25°45          | 29°40                 | 12°29          | 11°31          | 18°22          | 18°10            | M11          |
| T 12         | 15 15 41            | 20°25'18                     | 1 <u>9</u> °34         | 13°58                 | 12°43                  | 5° 6           | 20°52          | 17°33           | 11°36          | 25°46          | 29°41                 | 12°19          | 11°28          | 18°29          | 18°12            | T 12         |
| W13          | 15 19 37            | 21°23'12                     | 3 <b>⋜</b> 48          | 16° 5                 | 13°56                  | 5°37           | 20°57          | 17°40           | 11°37          | 25°48          | 29°43                 | 12°11          | 11°25          | 18°35          | 18°14            | W13          |
| T 14         | 15 23 34            | 22°21'04                     | 17°34                  | 18°13                 | 15° 9                  | 6° 8           | 21° 2          | 17°47           | 11°37          | 25°49          | 29°44                 | 12° 4          | 11°22          | 18°42          | 18°16            | T 14         |
| F 15         | 15 27 30            | 23°18'55                     | 0 <b>≈</b> 50          | 20°22                 | 16°22<br>17°35         | 6°39           | 21° 8          | 17°55           | 11°37          | 25°50          | 29°45<br>29°46        | 12° 0          | 11°19          | 18°49          | 18°18            | F 15         |
| S 16         | 15 31 27            | 24°16'45                     | 13°39                  | 22°32                 |                        | 7°11           | 21°12          | 18° 2           | 11°37          | 25°51          |                       | 11°58          | 11°15          | 18°55          | 18°20            | S 16         |
| S 17         | 15 35 24            | 25°14'33                     | 26° 6                  | 24°42                 | 18°48                  | 7°42           | 21°17          | 18° 9           | 11°R37         | 25°52          | 29°47                 | 11°D57         | 11°12          | 19° 2          | 18°22            | S 17         |
| M18          | 15 39 20            | 26°12'20                     | 8 <b>)</b> 15          | 26°54                 | 20° 1                  | 8°13           | 21°22          | 18°17           | 11°37          | 25°54          | 29°49                 | 11°R58         | 11° 9          | 19° 9          | 18°24            | M18          |
| T 19         | 15 43 17            | 27°10'07                     | 20°11                  | 29° 5                 | 21°14                  | 8°45           | 21°26          | 18°24           | 11°37          | 25°55          | 29°50                 | 11°57          | 11° 6          | 19°15          | 18°26            | T 19         |
| W20          | 15 47 13            | 28° 7'52                     | 2 <b>Υ</b> 1           | 1 <b>Ⅱ</b> 16<br>3°27 | 22°27<br>23°39         | 9°17<br>9°48   | 21°30          | 18°32<br>18°39  | 11°37          | 25°56          | 29°51<br>29°52        | 11°56<br>11°52 | 11° 3<br>10°59 | 19°22          | 18°27<br>18°29   | W20          |
| T 21<br>F 22 | 15 51 10<br>15 55 6 | 29° 5'35<br>0 <b>II</b> 3'18 | 13°48<br>25°37         | 5°38                  | 23°39<br>24°52         | 10°20          | 21°35<br>21°38 | 18°39<br>18°47  | 11°37<br>11°37 | 25°58<br>25°59 | 29°52<br>29°54        | 11°52<br>11°45 | 10°59<br>10°56 | 19°29<br>19°35 | 18°29<br>18°31   | T 21<br>F 22 |
| S 23         | 15 59 3             | 1° 1'00                      | 7 <b>8</b> 31          | 7°47                  | 26° 5                  | 10°20<br>10°52 | 21°42          | 18°54           | 11°36          | 25° 0          | 29°55                 | 11°36          | 10°53          | 19°33          | 18°32            | S 23         |
|              |                     |                              | _                      |                       |                        |                |                |                 |                |                |                       |                |                | -              |                  |              |
| S 24         | 16 2 59             | 1°58'40                      | 19°33<br>1 <b>∏</b> 44 | 9°56<br>12° 3         | 27°18<br>28°30         | 11°24          | 21°46<br>21°49 | 19° 2           | 11°36<br>11°36 | 26° 2<br>26° 3 | 29°56                 | 11°24<br>11°11 | 10°50<br>10°47 | 19°49<br>19°55 | 18°34            | S 24         |
| M25<br>T 26  | 16 6 56<br>16 10 52 | 2°56'20<br>3°53'58           | 1 <u>ш</u> 44<br>14° 4 | 12° 3                 | 28°30<br>29°43         | 11°57<br>12°29 | 21°49<br>21°52 | 19°10<br>19°17  | 11°36<br>11°35 | 26° 5          | 29°58<br>29°59        | 10°58          | 10°47<br>10°44 | 19°55<br>20° 2 | 18°36<br>18°37   | M25<br>T 26  |
| W27          | 16 10 32            | 3 33 38<br>4°51'35           | 26°36                  | 16°12                 | 29 43<br>0 <b>9</b> 56 | 12 29<br>13° 1 | 21°55          | 19 17<br>19°25  | 11°35          | 26° 6          | 29 39<br>0 <b>9</b> 0 | 10°38          | 10°44<br>10°40 | 20° 2          | 18°39            | W27          |
| T 28         | 16 18 46            | 5°49'10                      | 20°30<br>9 <b>©</b> 18 | 18°14                 | 2° 8                   | 13°34          | 21°58          | 19°32           | 11°34          | 26° 8          | 0° 2                  | 10°34          | 10°37          | 20°15          | 18°40            | T 28         |
| F 29         | 16 22 42            | 6°46'45                      | 22°11                  | 20°13                 | 3°21                   | 14° 6          | 22° 1          | 19°40           | 11°34          | 26°10          | 0° 3                  | 10°26          | 10°34          | 20°22          | 18°41            | F 29         |
| S 30         | 16 26 39            | 7°44'18                      | 5 <b>Ω</b> 17          | 22°10                 | 4°34                   | 14°39          | 22° 3          | 19°48           | 11°33          | 26°11          | 0° 4                  | 10°21          | 10°31          | 20°29          | 18°43            | S 30         |
| S 31         | 16 30 35            | 8 <b>Ⅱ</b> 41'49             | 18 <b>Ω</b> 36         | 24 <b>II</b> 5        | 59546                  | 15 <b>Ω</b> 12 | 22≈ 5          | 19 <b>II</b> 56 | 11≈32          | 269513         | 09 6                  | 10 <b>)</b> 18 | 10 <b>∺</b> 28 | 20 <b>Y</b> 36 | 18 <b>)</b> 44   | S 31         |

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|      | _        |          |                 |                |                |                |        |                 |                |        |       |                |                |                |                  | -    |
|------|----------|----------|-----------------|----------------|----------------|----------------|--------|-----------------|----------------|--------|-------|----------------|----------------|----------------|------------------|------|
| Day  | Sid.t    | 0        | D               | ğ              | Q.             | ď              | 4      | ħ               | )∤(            | ¥      | Р     | U              | v              | Ç              | ę,               | Day  |
| M 1  | 16 34 32 | 9∏39'20  | 2 Mp 10         | 25 <b>Ⅱ</b> 57 | 6958           | 15 <b>Ω</b> 45 | 22≈ 7  | 20 <b>I</b> I 3 | 11°R32         | 269514 | 09 7  | 10°R17         | 10 <b>)</b> 25 | 20 <b>Υ</b> 42 | 18 <b>) (</b> 45 | M 1  |
| T 2  | 16 38 28 | 10°36'49 | 15°59           | 27°47          | 8°11           | 16°18          | 22° 9  | 20°11           | 11 <b>≈</b> 31 | 26°16  | 0°8   | 10 <b>米</b> 17 | 10°21          | 20°49          | 18°46            | T 2  |
| W 3  | 16 42 25 | 11°34'16 | 0 <b>호</b> 6    | 29°34          | 9°23           | 16°51          | 22°11  | 20°19           | 11°30          | 26°18  | 0°10  | 10°17          | 10°18          | 20°56          | 18°47            | W 3  |
| T 4  | 16 46 22 | 12°31'43 | 14°28           | 19519          | 10°36          | 17°24          | 22°12  | 20°27           | 11°29          | 26°19  | 0°11  | 10°14          | 10°15          | 21° 2          | 18°48            | T 4  |
| F 5  | 16 50 18 | 13°29'08 | 29° 5           | 3° 0           | 11°48          | 17°57          | 22°14  | 20°34           | 11°28          | 26°21  | 0°12  | 10°10          | 10°12          | 21° 9          | 18°49            | F 5  |
| S 6  | 16 54 15 | 14°26'32 | 13 <b>M</b> 51  | 4°39           | 13° 0          | 18°30          | 22°15  | 20°42           | 11°28          | 26°23  | 0°14  | 10° 2          | 10° 9          | 21°16          | 18°50            | S 6  |
| S 7  | 16 58 11 | 15°23'55 | 28°39           | 6°15           | 14°12          | 19° 4          | 22°16  | 20°50           | 11°27          | 26°25  | 0°15  | 9°53           | 10° 5          | 21°22          | 18°51            | S 7  |
| M 8  | 17 2 8   | 16°21'17 | 13 <b>×</b> 721 | 7°49           | 15°24          | 19°37          | 22°17  | 20°58           | 11°26          | 26°26  | 0°17  | 9°42           | 10° 2          | 21°29          | 18°52            | M 8  |
| T 9  | 17 6 4   | 17°18'38 | 27°49           | 9°19           | 16°37          | 20°11          | 22°17  | 21° 6           | 11°25          | 26°28  | 0°18  | 9°30           | 9°59           | 21°36          | 18°52            | T 9  |
| W10  | 17 10 1  | 18°15'59 | 11 <b>궁</b> 56  | 10°47          | 17°49          | 20°45          | 22°17  | 21°13           | 11°23          | 26°30  | 0°20  | 9°20           | 9°56           | 21°42          | 18°53            | W10  |
| T 11 | 17 13 57 | 19°13'19 | 25°39           | 12°12          | 19° 1          | 21°18          | 22°R18 | 21°21           | 11°22          | 26°32  | 0°21  | 9°12           | 9°53           | 21°49          | 18°54            | T 11 |
| F 12 | 17 17 54 | 20°10'38 | 8 <b>≈</b> 56   | 13°34          | 20°13          | 21°52          | 22°18  | 21°29           | 11°21          | 26°34  | 0°22  | 9° 7           | 9°50           | 21°56          | 18°54            | F 12 |
| S 13 | 17 21 51 | 21° 7'57 | 21°47           | 14°53          | 21°25          | 22°26          | 22°17  | 21°37           | 11°20          | 26°36  | 0°24  | 9° 4           | 9°46           | 22° 2          | 18°55            | S 13 |
| S 14 | 17 25 47 | 22° 5'15 | 4 <b>∺</b> 16   | 16° 9          | 22°36          | 23° 0          | 22°17  | 21°45           | 11°19          | 26°37  | 0°25  | 9°D 3          | 9°43           | 22° 9          | 18°55            | S 14 |
| M15  | 17 29 44 | 23° 2'33 | 16°27           | 17°22          | 23°48          | 23°34          | 22°16  | 21°52           | 11°17          | 26°39  | 0°27  | 9° 3           | 9°40           | 22°16          | 18°56            | M15  |
| T 16 | 17 33 40 | 23°59'51 | 28°25           | 18°32          | 25° 0          | 24° 8          | 22°16  | 22° 0           | 11°16          | 26°41  | 0°28  | 9°R 3          | 9°37           | 22°22          | 18°56            | T 16 |
| W17  | 17 37 37 | 24°57'08 | 10 <b>Υ</b> 16  | 19°39          | 26°12          | 24°42          | 22°15  | 22° 8           | 11°15          | 26°43  | 0°30  | 9° 2           | 9°34           | 22°29          | 18°57            | W17  |
| T 18 | 17 41 33 | 25°54'25 | 22° 6           | 20°43          | 27°23          | 25°16          | 22°14  | 22°16           | 11°13          | 26°45  | 0°31  | 8°59           | 9°31           | 22°36          | 18°57            | T 18 |
| F 19 | 17 45 30 | 26°51'41 | 3 <b>8</b> 58   | 21°43          | 28°35          | 25°51          | 22°12  | 22°24           | 11°12          | 26°47  | 0°33  | 8°54           | 9°27           | 22°42          | 18°57            | F 19 |
| S 20 | 17 49 26 | 27°48'58 | 15°57           | 22°40          | 29°47          | 26°25          | 22°11  | 22°31           | 11°10          | 26°49  | 0°34  | 8°46           | 9°24           | 22°49          | 18°57            | S 20 |
| S 21 | 17 53 23 | 28°46'14 | 28° 5           | 23°34          | 0 <b>Ω</b> 58  | 27° 0          | 22° 9  | 22°39           | 11° 9          | 26°51  | 0°35  | 8°36           | 9°21           | 22°56          | 18°57            | S 21 |
| M22  | 17 57 20 | 29°43'30 | 10 <b>Ⅲ</b> 27  | 24°24          | 2°10           | 27°34          | 22° 7  | 22°47           | 11° 7          | 26°53  | 0°37  | 8°25           | 9°18           | 23° 2          | 18°57            | M22  |
| T 23 | 18 116   | 09540'46 | 23° 2           | 25°10          | 3°21           | 28° 9          | 22° 5  | 22°55           | 11° 6          | 26°55  | 0°38  | 8°13           | 9°15           | 23° 9          | 18°R57           | T 23 |
| W24  | 18 5 13  | 1°38'01  | 5950            | 25°52          | 4°33           | 28°43          | 22° 2  | 23° 3           | 11° 4          | 26°57  | 0°40  | 8° 2           | 9°11           | 23°16          | 18°57            | W24  |
| T 25 | 18 9 9   | 2°35'16  | 18°52           | 26°31          | 5°44           | 29°18          | 22° 0  | 23°10           | 11° 2          | 26°59  | 0°41  | 7°52           | 9° 8           | 23°23          | 18°57            | T 25 |
| F 26 | 18 13 6  | 3°32'31  | 2 <b>N</b> 6    | 27° 6          | 6°55           | 29°53          | 21°57  | 23°18           | 11° 1          | 27° 1  | 0°43  | 7°45           | 9° 5           | 23°29          | 18°57            | F 26 |
| S 27 | 18 17 2  | 4°29'45  | 15°31           | 27°36          | 8° 7           | 0 <b>m</b> 28  | 21°54  | 23°26           | 10°59          | 27° 3  | 0°44  | 7°41           | 9° 2           | 23°36          | 18°57            | S 27 |
| S 28 | 18 20 59 | 5°26'58  | 29° 6           | 28° 2          | 9°18           | 1° 3           | 21°51  | 23°34           | 10°57          | 27° 6  | 0°46  | 7°39           | 8°59           | 23°43          | 18°57            | S 28 |
| M29  | 18 24 55 | 6°24'12  | 12 <b>m</b> 51  | 28°24          | 10°29          | 1°38           | 21°48  | 23°41           | 10°55          | 27° 8  | 0°47  | 7°D38          | 8°56           | 23°49          | 18°56            | M29  |
| T 30 | 18 28 52 | 79521'24 | 26 <b>M</b> 46  | 289642         | 11 <b>Ω</b> 40 | 2 Mp 13        | 21≈45  | 23 <b>Ⅱ</b> 49  | 10≈53          | 279510 | 09548 | 7 <b>∺</b> 39  | 8 <b>∺</b> 52  | 23 <b>Y</b> 56 | 18 <b>米</b> 56   | T 30 |

Delta T = 16.80 sec

JULY 1914 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ      | ·               | ð              | 4              | ħ              | )∤(           | ¥      | Р    | ß             | ದಿ              | ţ              | , o            | Day  |
|------|----------|------------------|-----------------|--------|-----------------|----------------|----------------|----------------|---------------|--------|------|---------------|-----------------|----------------|----------------|------|
| W 1  | 18 32 49 | 89518'36         | 10₽50           | 28955  | 12 <b>Ω</b> 51  | 2 Mp 48        | 21°R41         | 23耳57          | 10°R51        | 279512 | 0950 | 7°R39         | 8 <b>) (</b> 49 | 24 <b>Y</b> 3  | 18°R55         | W 1  |
| T 2  | 18 36 45 | 9°15'48          | 25° 3           | 29° 3  | 14° 2           | 3°24           | 21≈37          | 24° 4          | 10≈50         | 27°14  | 0°51 | 7 <b>∺</b> 38 | 8°46            | 24° 9          | 18 <b>米</b> 55 | T 2  |
| F 3  | 18 40 42 | 10°13'00         | 9 <b>M</b> 22   | 29°R 7 | 15°13           | 3°59           | 21°33          | 24°12          | 10°48         | 27°16  | 0°53 | 7°35          | 8°43            | 24°16          | 18°54          | F 3  |
| S 4  | 18 44 38 | 11°10'11         | 23°45           | 29° 6  | 16°24           | 4°34           | 21°29          | 24°19          | 10°46         | 27°18  | 0°54 | 7°30          | 8°40            | 24°23          | 18°54          | S 4  |
| S 5  | 18 48 35 | 12° 7'22         | 8 <b>∡</b> 8    | 29° 0  | 17°35           | 5°10           | 21°25          | 24°27          | 10°44         | 27°20  | 0°56 | 7°23          | 8°37            | 24°29          | 18°53          | S 5  |
| M 6  | 18 52 31 | 13° 4'33         | 22°24           | 28°50  | 18°45           | 5°45           | 21°21          | 24°35          | 10°42         | 27°23  | 0°57 | 7°14          | 8°33            | 24°36          | 18°53          | M 6  |
| T 7  | 18 56 28 | 14° 1'44         | 6 <b>ප</b> 30   | 28°35  | 19°56           | 6°21           | 21°16          | 24°42          | 10°40         | 27°25  | 0°59 | 7° 6          | 8°30            | 24°43          | 18°52          | T 7  |
| W 8  | 19 0 25  | 14°58'55         | 20°19           | 28°16  | 21° 7           | 6°56           | 21°11          | 24°50          | 10°38         | 27°27  | 1° 0 | 6°58          | 8°27            | 24°49          | 18°51          | W 8  |
| T 9  | 19 421   | 15°56'06         | 3≈48            | 27°53  | 22°17           | 7°32           | 21° 6          | 24°57          | 10°35         | 27°29  | 1° 1 | 6°52          | 8°24            | 24°56          | 18°50          | T 9  |
| F 10 | 19 8 18  | 16°53'18         | 16°56           | 27°26  | 23°28           | 8° 8           | 21° 1          | 25° 5          | 10°33         | 27°31  | 1° 3 | 6°48          | 8°21            | 25° 3          | 18°49          | F 10 |
| S 11 | 19 12 14 | 17°50'29         | 29°43           | 26°56  | 24°38           | 8°44           | 20°56          | 25°12          | 10°31         | 27°34  | 1° 4 | 6°47          | 8°17            | 25°10          | 18°48          | S 11 |
| S 12 | 19 16 11 | 18°47'41         | 12 <b>)</b> 10  | 26°22  | 25°48           | 9°19           | 20°51          | 25°20          | 10°29         | 27°36  | 1° 6 | 6°D46         | 8°14            | 25°16          | 18°47          | S 12 |
| M13  | 19 20 7  | 19°44'53         | 24°22           | 25°47  | 26°58           | 9°55           | 20°45          | 25°27          | 10°27         | 27°38  | 1° 7 | 6°47          | 8°11            | 25°23          | 18°46          | M13  |
| T 14 | 19 24 4  | 20°42'06         | 6 <b>℃</b> 22   | 25° 9  | 28° 9           | 10°31          | 20°39          | 25°34          | 10°25         | 27°40  | 1°8  | 6°49          | 8° 8            | 25°30          | 18°45          | T 14 |
| W15  | 19 28 0  | 21°39'20         | 18°14           | 24°29  | 29°19           | 11° 7          | 20°34          | 25°42          | 10°23         | 27°42  | 1°10 | 6°R50         | 8° 5            | 25°36          | 18°44          | W15  |
| T 16 | 19 31 57 | 22°36'34         | 0 <b>8</b> 5    | 23°50  | 0 <b>m</b> 29   | 11°44          | 20°28          | 25°49          | 10°20         | 27°45  | 1°11 | 6°49          | 8° 2            | 25°43          | 18°43          | T 16 |
| F 17 | 19 35 54 | 23°33'49         | 12° 0           | 23°10  | 1°39            | 12°20          | 20°22          | 25°56          | 10°18         | 27°47  | 1°12 | 6°48          | 7°58            | 25°50          | 18°41          | F 17 |
| S 18 | 19 39 50 | 24°31'04         | 24° 2           | 22°30  | 2°48            | 12°56          | 20°15          | 26° 3          | 10°16         | 27°49  | 1°14 | 6°44          | 7°55            | 25°56          | 18°40          | S 18 |
| S 19 | 19 43 47 | 25°28'20         | 6 <b>Ⅱ</b> 15   | 21°52  | 3°58            | 13°32          | 20° 9          | 26°11          | 10°13         | 27°51  | 1°15 | 6°39          | 7°52            | 26° 3          | 18°39          | S 19 |
| M20  | 19 47 43 | 26°25'37         | 18°44           | 21°17  | 5° 8            | 14° 9          | 20° 3          | 26°18          | 10°11         | 27°53  | 1°17 | 6°33          | 7°49            | 26°10          | 18°37          | M20  |
| T 21 | 19 51 40 | 27°22'55         | 19530           | 20°44  | 6°17            | 14°45          | 19°56          | 26°25          | 10° 9         | 27°56  | 1°18 | 6°26          | 7°46            | 26°16          | 18°36          | T 21 |
| W22  | 19 55 36 | 28°20'13         | 14°34           | 20°14  | 7°27            | 15°22          | 19°49          | 26°32          | 10° 7         | 27°58  | 1°19 | 6°19          | 7°43            | 26°23          | 18°35          | W22  |
| T 23 | 19 59 33 | 29°17'32         | 27°55           | 19°48  | 8°36            | 15°58          | 19°43          | 26°39          | 10° 4         | 28° 0  | 1°21 | 6°14          | 7°39            | 26°30          | 18°33          | T 23 |
| F 24 | 20 3 29  | $0\Omega$ 14'51  | 11 <b>.0</b> 31 | 19°26  | 9°46            | 16°35          | 19°36          | 26°46          | 10° 2         | 28° 2  | 1°22 | 6°10          | 7°36            | 26°36          | 18°31          | F 24 |
| S 25 | 20 7 26  | 1°12'11          | 25°21           | 19°10  | 10°55           | 17°12          | 19°29          | 26°53          | 10° 0         | 28° 5  | 1°23 | 6° 8          | 7°33            | 26°43          | 18°30          | S 25 |
| S 26 | 20 11 23 | 2° 9'32          | 9 <b>m</b> 21   | 18°59  | 12° 4           | 17°48          | 19°22          | 27° 0          | 9°57          | 28° 7  | 1°24 | 6°D 8         | 7°30            | 26°50          | 18°28          | S 26 |
| M27  | 20 15 19 | 3° 6'52          | 23°27           | 18°53  | 13°13           | 18°25          | 19°14          | 27° 7          | 9°55          | 28° 9  | 1°26 | 6° 9          | 7°27            | 26°57          | 18°26          | M27  |
| T 28 | 20 19 16 | 4° 4'14          | 7 <b>≙</b> 38   | 18°D53 | 14°22           | 19° 2          | 19° 7          | 27°13          | 9°52          | 28°11  | 1°27 | 6°10          | 7°23            | 27° 3          | 18°25          | T 28 |
| W29  | 20 23 12 | 5° 1'36          | 21°51           | 18°59  | 15°31           | 19°39          | 19° 0          | 27°20          | 9°50          | 28°14  | 1°28 | 6°11          | 7°20            | 27°10          | 18°23          | W29  |
| T 30 | 20 27 9  | 5°58'58          | 6M 4            | 19°11  | 16°40           | 20°16          | 18°52          | 27°27          | 9°48          | 28°16  | 1°29 | 6°R12         | 7°17            | 27°17          | 18°21          | T 30 |
| F 31 | 20 31 5  | 6 <b>Ω</b> 56'21 | 20 <b>M</b> 15  | 199529 | 17 <b>m</b> )49 | 20 <b>m</b> 53 | 18 <b>≈</b> 45 | 27 <b>Ⅱ</b> 34 | 9 <b>≈</b> 45 | 28918  | 1931 | 6 <b>∺</b> 11 | 7 <b>∺</b> 14   | 27 <b>Y</b> 23 | 18 <b>米</b> 19 | F 31 |

Delta T = 16.90 sec

AUGUST 1914 00:00 UT

| Day  | Sid.t    | $\odot$          | D              | φ             | φ              | o <sup>7</sup> | 4              | ħ               | )Å(           | ¥      | 2     | R             | Ω             | ţ              | δ               | Day  |
|------|----------|------------------|----------------|---------------|----------------|----------------|----------------|-----------------|---------------|--------|-------|---------------|---------------|----------------|-----------------|------|
| S 1  | 20 35 2  | 7 <b>Ω</b> 53'44 | 4 <b>~</b> 121 | 199554        | 18 <b>m</b> 57 | 21 <b>m</b> 30 | 18°R37         | 27 <b>II</b> 40 | 9°R43         | 28920  | 1932  | 6°R 9         | 7 <b>₩</b> 11 | 27 <b>Y</b> 30 | 18°R17          | S 1  |
| S 2  | 20 38 58 | 8°51'09          | 18°20          | 20°25         | 20° 6          | 22° 7          | 18 <b>≈</b> 30 | 27°47           | 9≈40          | 28°22  | 1°33  | 6 <b>∺</b> 6  | 7° 8          | 27°37          | 18 <b>)</b> €15 | S 2  |
| M 3  | 20 42 55 | 9°48'33          | 2 <b>る</b> 10  | 21° 2         | 21°14          | 22°44          | 18°22          | 27°53           | 9°38          | 28°25  | 1°34  | 6° 3          | 7° 4          | 27°43          | 18°13           | M 3  |
| T 4  | 20 46 52 | 10°45'59         | 15°48          | 21°45         | 22°22          | 23°22          | 18°15          | 28° 0           | 9°36          | 28°27  | 1°35  | 5°59          | 7° 1          | 27°50          | 18°11           | T 4  |
| W 5  | 20 50 48 | 11°43'25         | 29°12          | 22°35         | 23°30          | 23°59          | 18° 7          | 28° 6           | 9°33          | 28°29  | 1°37  | 5°56          | 6°58          | 27°57          | 18° 9           | W 5  |
| T 6  | 20 54 45 | 12°40'53         | 12≈21          | 23°31         | 24°38          | 24°36          | 17°59          | 28°13           | 9°31          | 28°31  | 1°38  | 5°53          | 6°55          | 28° 3          | 18° 7           | T 6  |
| F 7  | 20 58 41 | 13°38'21         | 25°13          | 24°33         | 25°46          | 25°14          | 17°51          | 28°19           | 9°29          | 28°33  | 1°39  | 5°52          | 6°52          | 28°10          | 18° 5           | F 7  |
| S 8  | 21 238   | 14°35'50         | 7 <b>∺</b> 49  | 25°40         | 26°54          | 25°51          | 17°44          | 28°25           | 9°26          | 28°35  | 1°40  | 5°D51         | 6°49          | 28°17          | 18° 3           | S 8  |
| S 9  | 21 6 34  | 15°33'20         | 20°10          | 26°54         | 28° 1          | 26°29          | 17°36          | 28°31           | 9°24          | 28°38  | 1°41  | 5°52          | 6°45          | 28°24          | 18° 0           | S 9  |
| M10  | 21 10 31 | 16°30'52         | 2 <b>Υ</b> 18  | 28°12         | 29° 9          | 27° 7          | 17°28          | 28°37           | 9°21          | 28°40  | 1°42  | 5°53          | 6°42          | 28°30          | 17°58           | M10  |
| T 11 | 21 14 27 | 17°28'25         | 14°17          | 29°36         | 0 <b>ჲ</b> 16  | 27°44          | 17°20          | 28°43           | 9°19          | 28°42  | 1°43  | 5°55          | 6°39          | 28°37          | 17°56           | T 11 |
| W12  | 21 18 24 | 18°25'59         | 26°10          | 1 <b>0</b> 5  | 1°24           | 28°22          | 17°12          | 28°49           | 9°17          | 28°44  | 1°44  | 5°56          | 6°36          | 28°44          | 17°54           | W12  |
| T 13 | 21 22 21 | 19°23'35         | 8 <b>8</b> 1   | 2°39          | 2°31           | 29° 0          | 17° 4          | 28°55           | 9°14          | 28°46  | 1°45  | 5°57          | 6°33          | 28°50          | 17°51           | T 13 |
| F 14 | 21 26 17 | 20°21'12         | 19°56          | 4°17          | 3°38           | 29°38          | 16°57          | 29° 1           | 9°12          | 28°48  | 1°46  | 5°R57         | 6°29          | 28°57          | 17°49           | F 14 |
| S 15 | 21 30 14 | 21°18'51         | 1 <b>Ⅱ</b> 58  | 5°58          | 4°44           | 0 <b>ჲ</b> 16  | 16°49          | 29° 7           | 9°10          | 28°50  | 1°47  | 5°57          | 6°26          | 29° 4          | 17°46           | S 15 |
| S 16 | 21 34 10 | 22°16'32         | 14°13          | 7°44          | 5°51           | 0°54           | 16°41          | 29°13           | 9° 7          | 28°52  | 1°48  | 5°56          | 6°23          | 29°10          | 17°44           | S 16 |
| M17  | 21 38 7  | 23°14'14         | 26°44          | 9°32          | 6°57           | 1°32           | 16°33          | 29°18           | 9° 5          | 28°54  | 1°49  | 5°55          | 6°20          | 29°17          | 17°42           | M17  |
| T 18 | 21 42 3  | 24°11'57         | 9 <b>93</b> 4  | 11°24         | 8° 4           | 2°10           | 16°26          | 29°24           | 9° 3          | 28°57  | 1°50  | 5°53          | 6°17          | 29°24          | 17°39           | T 18 |
| W19  | 21 46 0  | 25° 9'42         | 22°46          | 13°18         | 9°10           | 2°48           | 16°18          | 29°30           | 9° 0          | 28°59  | 1°51  | 5°52          | 6°14          | 29°30          | 17°37           | W19  |
| T 20 | 21 49 56 | 26° 7'29         | $6\Omega 20$   | 15°13         | 10°16          | 3°26           | 16°10          | 29°35           | 8°58          | 29° 1  | 1°52  | 5°51          | 6°10          | 29°37          | 17°34           | T 20 |
| F 21 | 21 53 53 | 27° 5'17         | 20°15          | 17°10         | 11°22          | 4° 4           | 16° 3          | 29°41           | 8°56          | 29° 3  | 1°53  | 5°50          | 6° 7          | 29°44          | 17°32           | F 21 |
| S 22 | 21 57 50 | 28° 3'06         | 4 Mp 28        | 19° 9         | 12°28          | 4°43           | 15°55          | 29°46           | 8°54          | 29° 5  | 1°54  | 5°D50         | 6° 4          | 29°51          | 17°29           | S 22 |
| S 23 | 22 1 46  | 29° 0'57         | 18°54          | 21° 8         | 13°33          | 5°21           | 15°48          | 29°51           | 8°52          | 29° 7  | 1°55  | 5°50          | 6° 1          | 29°57          | 17°26           | S 23 |
| M24  | 22 5 43  | 29°58'49         | 3 <b>₾</b> 28  | 23° 7         | 14°39          | 5°59           | 15°40          | 29°56           | 8°49          | 29° 9  | 1°56  | 5°50          | 5°58          | 0 <b>8</b> 4   | 17°24           | M24  |
| T 25 | 22 9 39  | 0 <b>₯</b> 56′42 | 18° 3          | 25° 7         | 15°44          | 6°38           | 15°33          | 0ରେ 1           | 8°47          | 29°11  | 1°57  | 5°51          | 5°54          | 0°11           | 17°21           | T 25 |
| W26  | 22 13 36 | 1°54'37          | 2 <b>M</b> .35 | 27° 7         | 16°49          | 7°17           | 15°26          | 0° 6            | 8°45          | 29°12  | 1°58  | 5°51          | 5°51          | 0°17           | 17°18           | W26  |
| T 27 | 22 17 32 | 2°52'33          | 16°59          | 29° 7         | 17°54          | 7°55           | 15°19          | 0°11            | 8°43          | 29°14  | 1°58  | 5°51          | 5°48          | 0°24           | 17°16           | T 27 |
| F 28 | 22 21 29 | 3°50'30          | 12711          | 1 Mp 6        | 18°58          | 8°34           | 15°11          | 0°16            | 8°41          | 29°16  | 1°59  | 5°R51         | 5°45          | 0°31           | 17°13           | F 28 |
| S 29 | 22 25 25 | 4°48'28          | 15°10          | 3° 4          | 20° 3          | 9°13           | 15° 5          | 0°21            | 8°39          | 29°18  | 2° 0  | 5°51          | 5°42          | 0°37           | 17°10           | S 29 |
| S 30 | 22 29 22 | 5°46'28          | 28°54          | 5° 2          | 21° 7          | 9°51           | 14°58          | 0°26            | 8°37          | 29°20  | 2° 1  | 5°D51         | 5°39          | 0°44           | 17° 8           | S 30 |
| M31  | 22 33 19 | 6 <b>M</b> 44'29 | 12 <b>る</b> 22 | 6 <b>m</b> 58 | 22 <b>₽</b> 11 | 10 <b>≏</b> 30 | 14≈51          | 0930            | 8 <b>≈</b> 35 | 299522 | 299 1 | 5 <b>米</b> 51 | 5 <b>₩</b> 35 | 0 <b>8</b> 51  | 17 <b>米</b> 5   | M31  |

Delta T = 17.00 sec

SEPTEMBER 1914 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | φ              | ď             | 4      | ħ     | )Å(           | ¥            | В     | Ŋ             | Ω              | ţ             | ę,             | Day  |
|------|----------|------------------|-----------------|----------------|----------------|---------------|--------|-------|---------------|--------------|-------|---------------|----------------|---------------|----------------|------|
| T 1  | 22 37 15 | 7 <b>m</b> 42'32 | 25 <b>る</b> 37  | 8 <b>m</b> 54  | 23 <b>≙</b> 14 | 11 <b>♀</b> 9 | 14°R44 | 0935  | 8°R33         | 299524       | 299 2 | 5 <b>∺</b> 51 | 5 <b>)</b> €32 | 0 <b>8</b> 58 | 17°R 2         | T 1  |
| W 2  | 22 41 12 | 8°40'36          | 8≈37            | 10°49          | 24°18          | 11°48         | 14≈38  | 0°39  | 8≈31          | 29°26        | 2° 3  | 5°52          | 5°29           | 1° 4          | 16 <b>¥</b> 59 | W 2  |
| T 3  | 22 45 8  | 9°38'41          | 21°23           | 12°42          | 25°21          | 12°27         | 14°31  | 0°44  | 8°29          | 29°27        | 2° 3  | 5°52          | 5°26           | 1°11          | 16°57          | T 3  |
| F 4  | 22 49 5  | 10°36'48         | 3 <b>∺</b> 56   | 14°35          | 26°24          | 13° 6         | 14°25  | 0°48  | 8°27          | 29°29        | 2° 4  | 5°R52         | 5°23           | 1°18          | 16°54          | F 4  |
| S 5  | 22 53 1  | 11°34'57         | 16°18           | 16°26          | 27°27          | 13°45         | 14°19  | 0°52  | 8°25          | 29°31        | 2° 5  | 5°52          | 5°20           | 1°24          | 16°51          | S 5  |
| S 6  | 22 56 58 | 12°33'07         | 28°29           | 18°16          | 28°29          | 14°24         | 14°13  | 0°56  | 8°23          | 29°33        | 2° 5  | 5°52          | 5°16           | 1°31          | 16°48          | S 6  |
| M 7  | 23 0 54  | 13°31'19         | 10 <b>Y</b> 32  | 20° 5          | 29°32          | 15° 4         | 14° 7  | 1° 0  | 8°21          | 29°34        | 2° 6  | 5°51          | 5°13           | 1°38          | 16°46          | M 7  |
| T 8  | 23 4 51  | 14°29'34         | 22°28           | 21°53          | 0 <b>M</b> .34 | 15°43         | 14° 1  | 1° 4  | 8°19          | 29°36        | 2° 7  | 5°50          | 5°10           | 1°44          | 16°43          | T 8  |
| W 9  | 23 8 48  | 15°27'50         | 4 <b>8</b> 19   | 23°40          | 1°35           | 16°22         | 13°55  | 1°8   | 8°18          | 29°38        | 2° 7  | 5°48          | 5° 7           | 1°51          | 16°40          | W 9  |
| T 10 | 23 12 44 | 16°26'08         | 16°10           | 25°25          | 2°37           | 17° 2         | 13°50  | 1°12  | 8°16          | 29°39        | 2° 8  | 5°47          | 5° 4           | 1°58          | 16°37          | T 10 |
| F 11 | 23 16 41 | 17°24'28         | 28° 4           | 27°10          | 3°38           | 17°41         | 13°45  | 1°16  | 8°14          | 29°41        | 2° 8  | 5°46          | 5° 0           | 2° 5          | 16°34          | F 11 |
| S 12 | 23 20 37 | 18°22'50         | 10 <b>I</b> I 4 | 28°53          | 4°38           | 18°21         | 13°39  | 1°19  | 8°13          | 29°43        | 2° 9  | 5°45          | 4°57           | 2°11          | 16°32          | S 12 |
| S 13 | 23 24 34 | 19°21'14         | 22°17           | 0 <b>ჲ</b> 35  | 5°39           | 19° 0         | 13°34  | 1°23  | 8°11          | 29°44        | 2° 9  | 5°D45         | 4°54           | 2°18          | 16°29          | S 13 |
| M14  | 23 28 30 | 20°19'41         | 49945           | 2°16           | 6°39           | 19°40         | 13°30  | 1°26  | 8° 9          | 29°46        | 2°10  | 5°45          | 4°51           | 2°25          | 16°26          | M14  |
| T 15 | 23 32 27 | 21°18'09         | 17°33           | 3°56           | 7°39           | 20°20         | 13°25  | 1°29  | 8° 8          | 29°47        | 2°10  | 5°46          | 4°48           | 2°31          | 16°23          | T 15 |
| W16  | 23 36 23 | 22°16'40         | 0 <b>Ω</b> 44   | 5°35           | 8°38           | 21° 0         | 13°20  | 1°33  | 8° 6          | 29°49        | 2°10  | 5°48          | 4°45           | 2°38          | 16°21          | W16  |
| T 17 | 23 40 20 | 23°15'13         | 14°21           | 7°13           | 9°37           | 21°39         | 13°16  | 1°36  | 8° 5          | 29°50        | 2°11  | 5°49          | 4°41           | 2°45          | 16°18          | T 17 |
| F 18 | 23 44 17 | 24°13'48         | 28°24           | 8°49           | 10°36          | 22°19         | 13°12  | 1°39  | 8° 3          | 29°52        | 2°11  | 5°50          | 4°38           | 2°51          | 16°15          | F 18 |
| S 19 | 23 48 13 | 25°12'25         | 12 <b>m</b> 50  | 10°25          | 11°34          | 22°59         | 13° 8  | 1°42  | 8° 2          | 29°53        | 2°11  | 5°R50         | 4°35           | 2°58          | 16°12          | S 19 |
| S 20 | 23 52 10 | 26°11'04         | 27°36           | 12° 0          | 12°32          | 23°39         | 13° 4  | 1°44  | 8° 1          | 29°55        | 2°12  | 5°49          | 4°32           | 3° 5          | 16°10          | S 20 |
| M21  | 23 56 6  | 27° 9'45         | 12 <b>≏</b> 34  | 13°34          | 13°30          | 24°19         | 13° 0  | 1°47  | 7°59          | 29°56        | 2°12  | 5°47          | 4°29           | 3°12          | 16° 7          | M21  |
| T 22 | 0 0 3    | 28° 8'27         | 27°35           | 15° 6          | 14°27          | 24°59         | 12°57  | 1°50  | 7°58          | 29°58        | 2°12  | 5°44          | 4°26           | 3°18          | 16° 4          | T 22 |
| W23  | 0 3 59   | 29° 7'12         | 12 <b>M</b> .30 | 16°38          | 15°23          | 25°40         | 12°53  | 1°52  | 7°57          | 29°59        | 2°13  | 5°41          | 4°22           | 3°25          | 16° 1          | W23  |
| T 24 | 0 7 56   | 0 <b>₾</b> 5'58  | 27°13           | 18° 9          | 16°19          | 26°20         | 12°50  | 1°55  | 7°56          | 0 <b>Ω</b> 0 | 2°13  | 5°38          | 4°19           | 3°32          | 15°59          | T 24 |
| F 25 | 0 11 52  | 1° 4'46          | 11 <b>~</b> 37  | 19°39          | 17°15          | 27° 0         | 12°47  | 1°57  | 7°55          | 0° 1         | 2°13  | 5°36          | 4°16           | 3°38          | 15°56          | F 25 |
| S 26 | 0 15 49  | 2° 3'36          | 25°39           | 21° 8          | 18°10          | 27°41         | 12°45  | 1°59  | 7°53          | 0° 3         | 2°13  | 5°35          | 4°13           | 3°45          | 15°53          | S 26 |
| S 27 | 0 19 46  | 3° 2'28          | 9 <b>궁</b> 19   | 22°36          | 19° 5          | 28°21         | 12°42  | 2° 1  | 7°52          | 0° 4         | 2°13  | 5°D35         | 4°10           | 3°52          | 15°51          | S 27 |
| M28  | 0 23 42  | 4° 1'21          | 22°36           | 24° 3          | 19°59          | 29° 1         | 12°40  | 2° 3  | 7°51          | 0° 5         | 2°13  | 5°36          | 4° 6           | 3°58          | 15°48          | M28  |
| T 29 | 0 27 39  | 5° 0'16          | 5≈35            | 25°28          | 20°52          | 29°42         | 12°38  | 2° 5  | 7°50          | 0° 6         | 2°13  | 5°37          | 4° 3           | 4° 5          | 15°46          | T 29 |
| W30  | 0 31 35  | 5 <b>≏</b> 59'13 | 18 <b>≈</b> 17  | 26 <b>₽</b> 53 | 21 <b>M</b> 45 | 0 <b>M</b> 23 | 12≈36  | 295 7 | 7 <b>≈</b> 50 | 0 <b>Ω</b> 7 | 29914 | 5 <b>∺</b> 39 | 4 <b>)</b> € 0 | 4812          | 15 <b>)</b> 43 | W30  |

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OCTOBER 1914 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ              | φ              | ð              | 4      | ħ     | )Å(   | ¥            | Р     | v              | Ω             | Ç             | ę,               | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|--------|-------|-------|--------------|-------|----------------|---------------|---------------|------------------|------|
| T 1  | 0 35 32 | 6₽58'11          | 0 <b>)</b> €45 | 28 <b>♀</b> 17 | 22 <b>M</b> 38 | 1 <b>m</b> 3   | 12°R34 | 295 8 | 7°R49 | 0 <b>N</b> 9 | 29514 | 5°R40          | 3 <b>)</b> 57 | 4819          | 15°R40           | T 1  |
| F 2  | 0 39 28 | 7°57'11          | 13° 2          | 29°40          | 23°29          | 1°44           | 12≈32  | 2°10  | 7≈48  | 0°10         | 2°14  | 5 <b>)</b> (40 | 3°54          | 4°25          | 15 <b>米</b> 38   | F 2  |
| S 3  | 0 43 25 | 8°56'13          | 25°10          | 1 <b>m</b> 1   | 24°20          | 2°25           | 12°31  | 2°11  | 7°47  | 0°11         | 2°R14 | 5°38           | 3°51          | 4°32          | 15°35            | S 3  |
| S 4  | 0 47 21 | 9°55'17          | 7 <b>Υ</b> 11  | 2°22           | 25°11          | 3° 6           | 12°30  | 2°13  | 7°46  | 0°12         | 2°14  | 5°34           | 3°47          | 4°39          | 15°33            | S 4  |
| M 5  | 0 51 18 | 10°54'24         | 19° 7          | 3°41           | 26° 0          | 3°46           | 12°29  | 2°14  | 7°46  | 0°13         | 2°14  | 5°29           | 3°44          | 4°45          | 15°31            | M 5  |
| T 6  | 0 55 14 | 11°53'32         | 1 <b>8</b> 0   | 4°59           | 26°49          | 4°27           | 12°28  | 2°15  | 7°45  | 0°14         | 2°14  | 5°23           | 3°41          | 4°52          | 15°28            | T 6  |
| W 7  | 0 59 11 | 12°52'42         | 12°51          | 6°16           | 27°37          | 5° 8           | 12°27  | 2°16  | 7°44  | 0°15         | 2°14  | 5°16           | 3°38          | 4°59          | 15°26            | W 7  |
| T 8  | 1 3 8   | 13°51'55         | 24°43          | 7°31           | 28°25          | 5°49           | 12°27  | 2°17  | 7°44  | 0°16         | 2°13  | 5° 9           | 3°35          | 5° 6          | 15°23            | T 8  |
| F 9  | 1 7 4   | 14°51'10         | 6 <b>Ⅱ</b> 37  | 8°45           | 29°11          | 6°31           | 12°D27 | 2°18  | 7°43  | 0°16         | 2°13  | 5° 2           | 3°32          | 5°12          | 15°21            | F 9  |
| S 10 | 1 11 1  | 15°50'27         | 18°38          | 9°57           | 29°57          | 7°12           | 12°27  | 2°18  | 7°43  | 0°17         | 2°13  | 4°57           | 3°28          | 5°19          | 15°19            | S 10 |
| S 11 | 1 14 57 | 16°49'46         | 0948           | 11° 8          | 0 <b>∡</b> 741 | 7°53           | 12°27  | 2°19  | 7°43  | 0°18         | 2°13  | 4°54           | 3°25          | 5°26          | 15°16            | S 11 |
| M12  | 1 18 54 | 17°49'08         | 13°12          | 12°16          | 1°25           | 8°34           | 12°28  | 2°19  | 7°42  | 0°19         | 2°13  | 4°D53          | 3°22          | 5°32          | 15°14            | M12  |
| T 13 | 1 22 50 | 18°48'32         | 25°54          | 13°23          | 2° 8           | 9°16           | 12°28  | 2°20  | 7°42  | 0°20         | 2°13  | 4°53           | 3°19          | 5°39          | 15°12            | T 13 |
| W14  | 1 26 47 | 19°47'58         | $8\Omega$ 58   | 14°28          | 2°50           | 9°57           | 12°29  | 2°20  | 7°42  | 0°20         | 2°12  | 4°54           | 3°16          | 5°46          | 15°10            | W14  |
| T 15 | 1 30 43 | 20°47'27         | 22°29          | 15°30          | 3°30           | 10°39          | 12°30  | 2°R20 | 7°41  | 0°21         | 2°12  | 4°55           | 3°12          | 5°52          | 15° 8            | T 15 |
| F 16 | 1 34 40 | 21°46'58         | 6Mp27          | 16°30          | 4°10           | 11°20          | 12°31  | 2°20  | 7°41  | 0°22         | 2°12  | 4°R56          | 3° 9          | 5°59          | 15° 6            | F 16 |
| S 17 | 1 38 37 | 22°46'31         | 20°53          | 17°26          | 4°49           | 12° 2          | 12°33  | 2°20  | 7°41  | 0°22         | 2°12  | 4°55           | 3° 6          | 6° 6          | 15° 4            | S 17 |
| S 18 | 1 42 33 | 23°46'06         | 5 <b>≙</b> 43  | 18°20          | 5°26           | 12°43          | 12°34  | 2°20  | 7°D41 | 0°23         | 2°11  | 4°51           | 3° 3          | 6°13          | 15° 2            | S 18 |
| M19  | 1 46 30 | 24°45'43         | 20°52          | 19°10          | 6° 2           | 13°25          | 12°36  | 2°19  | 7°41  | 0°23         | 2°11  | 4°46           | 3° 0          | 6°19          | 15° 0            | M19  |
| T 20 | 1 50 26 | 25°45'23         | 6M 9           | 19°57          | 6°37           | 14° 7          | 12°38  | 2°19  | 7°41  | 0°24         | 2°11  | 4°39           | 2°57          | 6°26          | 14°58            | T 20 |
| W21  | 1 54 23 | 26°45'04         | 21°24          | 20°39          | 7°11           | 14°49          | 12°40  | 2°18  | 7°41  | 0°24         | 2°10  | 4°31           | 2°53          | 6°33          | 14°56            | W21  |
| T 22 | 1 58 19 | 27°44'48         | 6 <b>₹</b> 26  | 21°17          | 7°43           | 15°31          | 12°43  | 2°18  | 7°41  | 0°25         | 2°10  | 4°23           | 2°50          | 6°39          | 14°54            | T 22 |
| F 23 | 2 2 16  | 28°44'33         | 21° 6          | 21°50          | 8°13           | 16°13          | 12°45  | 2°17  | 7°42  | 0°25         | 2° 9  | 4°16           | 2°47          | 6°46          | 14°52            | F 23 |
| S 24 | 2 6 12  | 29°44'20         | 5 <b>る</b> 20  | 22°17          | 8°43           | 16°55          | 12°48  | 2°16  | 7°42  | 0°26         | 2° 9  | 4°11           | 2°44          | 6°53          | 14°50            | S 24 |
| S 25 | 2 10 9  | 0 <b>M</b> 44'09 | 19° 5          | 22°37          | 9°10           | 17°37          | 12°51  | 2°15  | 7°42  | 0°26         | 2° 8  | 4° 8           | 2°41          | 7° 0          | 14°49            | S 25 |
| M26  | 2 14 6  | 1°43'59          | 2≈22           | 22°52          | 9°36           | 18°19          | 12°54  | 2°14  | 7°43  | 0°26         | 2° 8  | 4°D 8          | 2°37          | 7° 6          | 14°47            | M26  |
| T 27 | 2 18 2  | 2°43'51          | 15°16          | 22°R58         | 10° 1          | 19° 1          | 12°57  | 2°13  | 7°43  | 0°26         | 2° 7  | 4° 8           | 2°34          | 7°13          | 14°45            | T 27 |
| W28  | 2 21 59 | 3°43'44          | 27°49          | 22°57          | 10°23          | 19°43          | 13° 1  | 2°11  | 7°44  | 0°27         | 2° 7  | 4°R 9          | 2°31          | 7°20          | 14°44            | W28  |
| T 29 | 2 25 55 | 4°43'39          | 10 <b>∺</b> 7  | 22°48          | 10°44          | 20°26          | 13° 5  | 2°10  | 7°44  | 0°27         | 2° 6  | 4° 9           | 2°28          | 7°26          | 14°42            | T 29 |
| F 30 | 2 29 52 | 5°43'36          | 22°13          | 22°29          | 11° 2          | 21° 8          | 13° 9  | 2° 8  | 7°45  | 0°27         | 2° 6  | 4° 7           | 2°25          | 7°33          | 14°41            | F 30 |
| S 31 | 2 33 48 | 6M43'35          | <b>4Υ</b> 12   | 22 <b>m</b> 1  | 11 <b>×</b> 19 | 21 <b>M</b> 50 | 13≈13  | 299 7 | 7≈45  | $0\Omega 27$ | 295 5 | 4 <b>)</b> € 3 | 2 <b>)</b> 22 | 7 <b>8</b> 40 | 14 <b>) (</b> 39 | S 31 |

Delta T = 17.19 sec

NOVEMBER 1914 00:00 UT

| Day  | Sid.t   | 0                 | D               | ğ               | φ              | ♂              | 4     | ħ     | )Å(           | 并             | Р     | ₽.            | ß             | ţ             | ę,               | Day  |
|------|---------|-------------------|-----------------|-----------------|----------------|----------------|-------|-------|---------------|---------------|-------|---------------|---------------|---------------|------------------|------|
| S 1  | 2 37 45 | 7 <b>11</b> 43'35 | 16 <b>Y</b> 6   | 21°R24          | 11 <b>×</b> 34 | 22 <b>M</b> 33 | 13≈17 | 2°R 5 | 7≈46          | 0 <b>Ω</b> 27 | 2°R 4 | 3°R56         | 2 <b>)</b> 18 | 7 <b>8</b> 47 | 14°R38           | S 1  |
| M 2  | 2 41 41 | 8°43'37           | 27°57           | 20 <b>M</b> 37  | 11°47          | 23°15          | 13°22 | 295 3 | 7°47          | 0°27          | 295 4 | 3 <b>∺</b> 46 | 2°15          | 7°53          | 14 <b>) (</b> 37 | M 2  |
| T 3  | 2 45 38 | 9°43'41           | 9849            | 19°41           | 11°57          | 23°58          | 13°26 | 2° 1  | 7°47          | 0°27          | 2° 3  | 3°35          | 2°12          | 8° 0          | 14°35            | T 3  |
| W 4  | 2 49 35 | 10°43'46          | 21°42           | 18°38           | 12° 6          | 24°41          | 13°31 | 1°59  | 7°48          | 0°R27         | 2° 3  | 3°22          | 2° 9          | 8° 7          | 14°34            | W 4  |
| T 5  | 2 53 31 | 11°43'54          | 3 <b>Ⅱ</b> 37   | 17°27           | 12°12          | 25°23          | 13°36 | 1°57  | 7°49          | 0°27          | 2° 2  | 3° 8          | 2° 6          | 8°13          | 14°33            | T 5  |
| F 6  | 2 57 28 | 12°44'04          | 15°37           | 16°11           | 12°16          | 26° 6          | 13°41 | 1°55  | 7°50          | 0°27          | 2° 1  | 2°56          | 2° 3          | 8°20          | 14°32            | F 6  |
| S 7  | 3 1 24  | 13°44'15          | 27°42           | 14°53           | 12°R17         | 26°49          | 13°47 | 1°52  | 7°51          | 0°27          | 2° 0  | 2°46          | 1°59          | 8°27          | 14°31            | S 7  |
| S 8  | 3 5 21  | 14°44'29          | 9955            | 13°34           | 12°16          | 27°32          | 13°52 | 1°50  | 7°52          | 0°27          | 2° 0  | 2°38          | 1°56          | 8°33          | 14°30            | S 8  |
| M 9  | 3 9 17  | 15°44'44          | 22°20           | 12°16           | 12°13          | 28°15          | 13°58 | 1°47  | 7°53          | 0°27          | 1°59  | 2°33          | 1°53          | 8°40          | 14°29            | M 9  |
| T 10 | 3 13 14 | 16°45'02          | 4 <b>Ω</b> 59   | 11° 4           | 12° 7          | 28°58          | 14° 4 | 1°44  | 7°54          | 0°27          | 1°58  | 2°31          | 1°50          | 8°47          | 14°28            | T 10 |
| W11  | 3 17 10 | 17°45'21          | 17°57           | 9°58            | 11°59          | 29°41          | 14°10 | 1°42  | 7°55          | 0°26          | 1°57  | 2°D30         | 1°47          | 8°54          | 14°27            | W11  |
| T 12 | 3 21 7  | 18°45'42          | 1 <b>m</b> )18  | 9° 0            | 11°49          | 0 <b>∡</b> 724 | 14°16 | 1°39  | 7°57          | 0°26          | 1°56  | 2°R30         | 1°43          | 9° 0          | 14°26            | T 12 |
| F 13 | 3 25 4  | 19°46'06          | 15° 4           | 8°13            | 11°36          | 1° 7           | 14°22 | 1°36  | 7°58          | 0°26          | 1°56  | 2°30          | 1°40          | 9° 7          | 14°25            | F 13 |
| S 14 | 3 29 0  | 20°46'31          | 29°18           | 7°37            | 11°20          | 1°50           | 14°29 | 1°33  | 7°59          | 0°26          | 1°55  | 2°28          | 1°37          | 9°14          | 14°24            | S 14 |
| S 15 | 3 32 57 | 21°46'58          | 13 <b>≏</b> 58  | 7°13            | 11° 3          | 2°33           | 14°36 | 1°30  | 8° 1          | 0°25          | 1°54  | 2°23          | 1°34          | 9°20          | 14°24            | S 15 |
| M16  | 3 36 53 | 22°47'27          | 28°59           | 7° 1            | 10°43          | 3°17           | 14°42 | 1°26  | 8° 2          | 0°25          | 1°53  | 2°15          | 1°31          | 9°27          | 14°23            | M16  |
| T 17 | 3 40 50 | 23°47'58          | 14 <b>M</b> .15 | 6°D59           | 10°20          | 4° 0           | 14°50 | 1°23  | 8° 3          | 0°24          | 1°52  | 2° 5          | 1°28          | 9°34          | 14°23            | T 17 |
| W18  | 3 44 46 | 24°48'30          | 29°33           | 7° 9            | 9°56           | 4°44           | 14°57 | 1°20  | 8° 5          | 0°24          | 1°51  | 1°54          | 1°24          | 9°41          | 14°22            | W18  |
| T 19 | 3 48 43 | 25°49'04          | 14 <b>×</b> 743 | 7°29            | 9°30           | 5°27           | 15° 4 | 1°16  | 8° 7          | 0°23          | 1°50  | 1°42          | 1°21          | 9°47          | 14°22            | T 19 |
| F 20 | 3 52 39 | 26°49'40          | 2 <u>9</u> °34  | 7°58            | 9° 1           | 6°11           | 15°12 | 1°13  | 8° 8          | 0°23          | 1°49  | 1°32          | 1°18          | 9°54          | 14°21            | F 20 |
| S 21 | 3 56 36 | 27°50'17          | 13 <b>る</b> 59  | 8°35            | 8°31           | 6°54           | 15°19 | 1° 9  | 8°10          | 0°22          | 1°48  | 1°24          | 1°15          | 10° 1         | 14°21            | S 21 |
| S 22 | 4 0 33  | 28°50'55          | 27°54           | 9°20            | 8° 0           | 7°38           | 15°27 | 1° 5  | 8°11          | 0°22          | 1°47  | 1°19          | 1°12          | 10° 7         | 14°21            | S 22 |
| M23  | 4 4 29  | 29°51'34          | 11 <b>≈</b> 19  | 10°12           | 7°27           | 8°22           | 15°35 | 1° 1  | 8°13          | 0°21          | 1°46  | 1°16          | 1° 9          | 10°14         | 14°21            | M23  |
| T 24 | 4 8 26  | 0 <b>₮</b> 52'14  | 24°16           | 11° 9           | 6°53           | 9° 6           | 15°43 | 0°58  | 8°15          | 0°20          | 1°45  | 1°15          | 1° 5          | 10°21         | 14°20            | T 24 |
| W25  | 4 12 22 | 1°52'55           | 6 <b>∺</b> 50   | 12°11           | 6°18           | 9°49           | 15°51 | 0°54  | 8°17          | 0°20          | 1°44  | 1°15          | 1° 2          | 10°28         | 14°20            | W25  |
| T 26 | 4 16 19 | 2°53'37           | 19° 5           | 13°18           | 5°42           | 10°33          | 16° 0 | 0°50  | 8°19          | 0°19          | 1°43  | 1°15          | 0°59          | 10°34         | 14°D20           | T 26 |
| F 27 | 4 20 15 | 3°54'21           | 1 <b>Υ</b> 8    | 14°28           | 5° 6           | 11°17          | 16° 8 | 0°45  | 8°21          | 0°18          | 1°42  | 1°12          | 0°56          | 10°41         | 14°20            | F 27 |
| S 28 | 4 24 12 | 4°55'05           | 13° 3           | 15°42           | 4°29           | 12° 1          | 16°17 | 0°41  | 8°23          | 0°17          | 1°41  | 1° 8          | 0°53          | 10°48         | 14°20            | S 28 |
| S 29 | 4 28 9  | 5°55'50           | 24°53           | 16°59           | 3°53           | 12°45          | 16°26 | 0°37  | 8°25          | 0°17          | 1°40  | 1° 0          | 0°49          | 10°54         | 14°21            | S 29 |
| M30  | 4 32 5  | 6 <b>₮</b> 56'37  | 6 <b>8</b> 44   | 18 <b>M</b> .17 | 3 <b>∡</b> 16  | 13 <b>×</b> 29 | 16≈35 | 0ණ33  | 8 <b>≈</b> 27 | 0 <b>Ω</b> 16 | 19539 | 0 <b>∺</b> 49 | 0 <b>)</b> 46 | 118 1         | 14 <b>米</b> 21   | M30  |

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DECEMBER 1914 00:00 UT

| Day  | Sid.t   | 0                  | D               | ğ               | ·              | ♂              | 4     | ħ               | )Å(           | ¥      | Р     | ₽.            | ß             | Ç     | ę,               | Day  |
|------|---------|--------------------|-----------------|-----------------|----------------|----------------|-------|-----------------|---------------|--------|-------|---------------|---------------|-------|------------------|------|
| T 1  | 4 36 2  | 7 <b>.₹</b> 157'25 | 18 <b>8</b> 36  | 19 <b>M</b> .38 | 2°R41          | 14 <b>%</b> 14 | 16≈44 | 0°R28           | 8 <b>≈</b> 29 | 0°R15  | 1°R38 | 0°R36         | 0 <b>)</b> 43 | 118 8 | 14 <b>米</b> 21   | T 1  |
| W 2  | 4 39 58 | 8°58'13            | 0Д33            | 21° 1           | 2 <b>,</b> 7 6 | 14°58          | 16°53 | 0924            | 8°31          | 0Ω14   | 19937 | 0 <b>∺</b> 22 | 0°40          | 11°15 | 14°21            | W 2  |
| T 3  | 4 43 55 | 9°59'03            | 12°36           | 22°25           | 1°32           | 15°42          | 17° 2 | 0°20            | 8°33          | 0°13   | 1°36  | 0° 7          | 0°37          | 11°21 | 14°22            | T 3  |
| F 4  | 4 47 51 | 10°59'55           | 24°45           | 23°51           | 1° 0           | 16°26          | 17°12 | 0°15            | 8°35          | 0°12   | 1°35  | 29≈53         | 0°34          | 11°28 | 14°22            | F 4  |
| S 5  | 4 51 48 | 12° 0'47           | 7 <b>9</b> 5 1  | 25°17           | 0°29           | 17°11          | 17°21 | 0°11            | 8°38          | 0°11   | 1°34  | 29°41         | 0°30          | 11°35 | 14°23            | S 5  |
| S 6  | 4 55 44 | 13° 1'40           | 19°25           | 26°45           | 29 <b>M</b> 59 | 17°55          | 17°31 | 0° 6            | 8°40          | 0°10   | 1°33  | 29°32         | 0°27          | 11°42 | 14°23            | S 6  |
| M 7  | 4 59 41 | 14° 2'35           | 2 <b>N</b> 0    | 28°13           | 29°32          | 18°40          | 17°41 | 0° 1            | 8°42          | 0° 9   | 1°31  | 29°27         | 0°24          | 11°48 | 14°24            | M 7  |
| T 8  | 5 3 38  | 15° 3'31           | 14°46           | 29°42           | 29° 6          | 19°24          | 17°51 | 29 <b>Ⅱ</b> 57  | 8°45          | 0° 8   | 1°30  | 29°24         | 0°21          | 11°55 | 14°24            | T 8  |
| W 9  | 5 7 34  | 16° 4'27           | 27°47           | 1 <b>7</b> 11   | 28°43          | 20° 9          | 18° 1 | 29°52           | 8°47          | 0° 7   | 1°29  | 29°D23        | 0°18          | 12° 2 | 14°25            | W 9  |
| T 10 | 5 11 31 | 17° 5'26           | 11 <b>m</b> ) 5 | 2°41            | 28°21          | 20°53          | 18°11 | 29°47           | 8°49          | 0° 6   | 1°28  | 29°R23        | 0°15          | 12° 8 | 14°26            | T 10 |
| F 11 | 5 15 27 | 18° 6'25           | 24°43           | 4°11            | 28° 2          | 21°38          | 18°22 | 29°42           | 8°52          | 0° 5   | 1°27  | 29°23         | 0°11          | 12°15 | 14°27            | F 11 |
| S 12 | 5 19 24 | 19° 7'25           | 8 <b>≏</b> 42   | 5°42            | 27°46          | 22°23          | 18°32 | 29°38           | 8°54          | 0° 3   | 1°26  | 29°21         | 0° 8          | 12°22 | 14°28            | S 12 |
| S 13 | 5 23 20 | 20° 8'27           | 23° 4           | 7°13            | 27°32          | 23° 8          | 18°43 | 29°33           | 8°57          | 0° 2   | 1°24  | 29°18         | 0° 5          | 12°29 | 14°28            | S 13 |
| M14  | 5 27 17 | 21° 9'29           | 7 <b>M</b> .46  | 8°44            | 27°20          | 23°52          | 18°53 | 29°28           | 9° 0          | 0° 1   | 1°23  | 29°11         | 0° 2          | 12°35 | 14°29            | M14  |
| T 15 | 5 31 13 | 22°10'33           | 22°42           | 10°16           | 27°11          | 24°37          | 19° 4 | 29°23           | 9° 2          | 299559 | 1°22  | 29° 2         | 29≈59         | 12°42 | 14°30            | T 15 |
| W16  | 5 35 10 | 23°11'38           | 7 <b>,₹</b> 144 | 11°48           | 27° 4          | 25°22          | 19°15 | 29°18           | 9° 5          | 29°59  | 1°21  | 28°52         | 29°55         | 12°49 | 14°32            | W16  |
| T 17 | 5 39 7  | 24°12'43           | 22°43           | 13°20           | 27° 0          | 26° 7          | 19°26 | 29°13           | 9°8           | 29°57  | 1°20  | 28°41         | 29°52         | 12°55 | 14°33            | T 17 |
| F 18 | 5 43 3  | 25°13'49           | 7 <b>云</b> 29   | 14°52           | 26°D59         | 26°52          | 19°37 | 29° 8           | 9°10          | 29°56  | 1°19  | 28°32         | 29°49         | 13° 2 | 14°34            | F 18 |
| S 19 | 5 47 0  | 26°14'56           | 21°55           | 16°24           | 26°59          | 27°37          | 19°48 | 29° 3           | 9°13          | 29°55  | 1°17  | 28°25         | 29°46         | 13° 9 | 14°35            | S 19 |
| S 20 | 5 50 56 | 27°16'03           | 5≈54            | 17°57           | 27° 3          | 28°22          | 20° 0 | 28°58           | 9°16          | 29°53  | 1°16  | 28°20         | 29°43         | 13°16 | 14°37            | S 20 |
| M21  | 5 54 53 | 28°17'10           | 19°24           | 19°30           | 27° 8          | 29° 8          | 20°11 | 28°53           | 9°19          | 29°52  | 1°15  | 28°18         | 29°40         | 13°22 | 14°38            | M21  |
| T 22 | 5 58 49 | 29°18'18           | 2 <b>)</b> 28   | 21° 3           | 27°16          | 29°53          | 20°22 | 28°48           | 9°21          | 29°51  | 1°14  | 28°D17        | 29°36         | 13°29 | 14°39            | T 22 |
| W23  | 6 2 46  | 0 <b>궁</b> 19'26   | 15° 7           | 22°36           | 27°26          | 0 <b>ろ</b> 38  | 20°34 | 28°43           | 9°24          | 29°49  | 1°13  | 28°18         | 29°33         | 13°36 | 14°41            | W23  |
| T 24 | 6 6 42  | 1°20'33            | 27°27           | 24° 9           | 27°38          | 1°23           | 20°46 | 28°38           | 9°27          | 29°48  | 1°11  | 28°R19        | 29°30         | 13°42 | 14°42            | T 24 |
| F 25 | 6 10 39 | 2°21'41            | 9 <b>Ƴ</b> 32   | 25°43           | 27°53          | 2° 9           | 20°58 | 28°33           | 9°30          | 29°46  | 1°10  | 28°18         | 29°27         | 13°49 | 14°44            | F 25 |
| S 26 | 6 14 36 | 3°22'49            | 21°27           | 27°17           | 28° 9          | 2°54           | 21° 9 | 28°28           | 9°33          | 29°45  | 1° 9  | 28°16         | 29°24         | 13°56 | 14°45            | S 26 |
| S 27 | 6 18 32 | 4°23'57            | 3 <b>8</b> 18   | 28°51           | 28°28          | 3°40           | 21°21 | 28°24           | 9°36          | 29°43  | 1°8   | 28°12         | 29°21         | 14° 3 | 14°47            | S 27 |
| M28  | 6 22 29 | 5°25'06            | 15° 9           | 0 <b>ට</b> 25   | 28°48          | 4°25           | 21°33 | 28°19           | 9°39          | 29°42  | 1° 7  | 28° 6         | 29°17         | 14° 9 | 14°49            | M28  |
| T 29 | 6 26 25 | 6°26'14            | 27° 4           | 1°59            | 29°11          | 5°11           | 21°46 | 28°14           | 9°42          | 29°40  | 1° 5  | 27°57         | 29°14         | 14°16 | 14°51            | T 29 |
| W30  | 6 30 22 | <u>7</u> °27'22    | 9 <b>I</b> 5    | <u>3°34</u>     | 29°35          | <u>5°56</u>    | 21°58 | 28° 9           | 9°45          | 29°39  | 1° 4  | 27°47         | 29°11         | 14°23 | 14°53            | W30  |
| T 31 | 6 34 18 | 8 <b>궁</b> 28'30   | 21 <b>I</b> I16 | 5 <b>る</b> 9    | 0 <b>√</b> 1   | 6 <b>පි</b> 42 | 22≈10 | 28 <b>I</b> I 4 | 9≈48          | 29937  | 199 3 | 27≈37         | 29≈ 8         | 14829 | 14 <b>) (</b> 54 | T 31 |

Delta T = 17.38 sec

JANUARY 1915 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ              | ·               | ð             | 4     | ħ              | )ұ(            | 卉      | Р     | n      | v     | Ç              | ę,               | Day  |
|------|---------|------------------|----------------|----------------|-----------------|---------------|-------|----------------|----------------|--------|-------|--------|-------|----------------|------------------|------|
| F 1  | 6 38 15 | 9 <b>る</b> 29'39 | 3936           | 6 <b>පි</b> 45 | 0 <b>₹</b> 29   | 7 <b>云</b> 27 | 22≈22 | 27°R59         | 9≈52           | 29°R36 | 1°R 2 | 27°R28 | 29≈ 5 | 14 <b>8</b> 36 | 14 <b>) (</b> 56 | F 1  |
| S 2  | 6 42 12 | 10°30'47         | 16° 7          | 8°21           | 0°58            | 8°13          | 22°35 | 27 <b>Ⅲ</b> 54 | 9°55           | 29934  | 199 1 | 27≈20  | 29° 1 | 14°43          | 14°58            | S 2  |
| S 3  | 6 46 8  | 11°31'56         | 28°50          | 9°57           | 1°29            | 8°59          | 22°47 | 27°50          | 9°58           | 29°32  | 0°59  | 27°14  | 28°58 | 14°50          | 15° 0            | S 3  |
| M 4  | 6 50 5  | 12°33'04         | 11Ω43          | 11°33          | 2° 2            | 9°45          | 23° 0 | 27°45          | 10° 1          | 29°31  | 0°58  | 27°11  | 28°55 | 14°56          | 15° 2            | M 4  |
| T 5  | 6 54 1  | 13°34'13         | 24°47          | 13°10          | 2°36            | 10°30         | 23°13 | 27°40          | 10° 4          | 29°29  | 0°57  | 27°D 9 | 28°52 | 15° 3          | 15° 5            | T 5  |
| W 6  | 6 57 58 | 14°35'22         | 8Mp 3          | 14°47          | 3°11            | 11°16         | 23°25 | 27°36          | 10° 7          | 29°28  | 0°56  | 27°10  | 28°49 | 15°10          | 15° 7            | W 6  |
| T 7  | 7 1 54  | 15°36'30         | 21°32          | 16°25          | 3°48            | 12° 2         | 23°38 | 27°31          | 10°11          | 29°26  | 0°55  | 27°11  | 28°46 | 15°17          | 15° 9            | T 7  |
| F 8  | 7 5 5 1 | 16°37'39         | 5 <b>≏</b> 14  | 18° 3          | 4°26            | 12°48         | 23°51 | 27°26          | 10°14          | 29°24  | 0°54  | 27°13  | 28°42 | 15°23          | 15°11            | F 8  |
| S 9  | 7 9 47  | 17°38'48         | 19°10          | 19°42          | 5° 5            | 13°34         | 24° 4 | 27°22          | 10°17          | 29°23  | 0°52  | 27°R13 | 28°39 | 15°30          | 15°13            | S 9  |
| S 10 | 7 13 44 | 18°39'58         | 3 <b>M</b> .19 | 21°20          | 5°46            | 14°20         | 24°17 | 27°17          | 10°21          | 29°21  | 0°51  | 27°12  | 28°36 | 15°37          | 15°16            | S 10 |
| M11  | 7 17 41 | 19°41'07         | 17°40          | 23° 0          | 6°28            | 15° 6         | 24°30 | 27°13          | 10°24          | 29°19  | 0°50  | 27° 9  | 28°33 | 15°43          | 15°18            | M11  |
| T 12 | 7 21 37 | 20°42'16         | 2 <b>√</b> 11  | 24°39          | 7°11            | 15°52         | 24°43 | 27° 9          | 10°27          | 29°18  | 0°49  | 27° 5  | 28°30 | 15°50          | 15°21            | T 12 |
| W13  | 7 25 34 | 21°43'25         | 16°45          | 26°20          | 7°55            | 16°39         | 24°57 | 27° 4          | 10°31          | 29°16  | 0°48  | 27° 0  | 28°27 | 15°57          | 15°23            | W13  |
| T 14 | 7 29 30 | 22°44'35         | 1 <b>궁</b> 17  | 28° 0          | 8°40            | 17°25         | 25°10 | 27° 0          | 10°34          | 29°14  | 0°47  | 26°54  | 28°23 | 16° 4          | 15°26            | T 14 |
| F 15 | 7 33 27 | 23°45'43         | 15°41          | 29°41          | 9°25            | 18°11         | 25°23 | 26°56          | 10°37          | 29°13  | 0°46  | 26°49  | 28°20 | 16°10          | 15°28            | F 15 |
| S 16 | 7 37 23 | 24°46'52         | 29°50          | 1≈23           | 10°12           | 18°57         | 25°37 | 26°52          | 10°41          | 29°11  | 0°45  | 26°45  | 28°17 | 16°17          | 15°31            | S 16 |
| S 17 | 7 41 20 | 25°48'00         | 13≈40          | 3° 4           | 11° 0           | 19°43         | 25°50 | 26°48          | 10°44          | 29° 9  | 0°43  | 26°43  | 28°14 | 16°24          | 15°33            | S 17 |
| M18  | 7 45 16 | 26°49'07         | 27° 7          | 4°46           | 11°49           | 20°30         | 26° 3 | 26°44          | 10°48          | 29° 8  | 0°42  | 26°D42 | 28°11 | 16°30          | 15°36            | M18  |
| T 19 | 7 49 13 | 27°50'13         | 10 <b>米</b> 11 | 6°28           | 12°38           | 21°16         | 26°17 | 26°40          | 10°51          | 29° 6  | 0°41  | 26°43  | 28° 7 | 16°37          | 15°39            | T 19 |
| W20  | 7 53 10 | 28°51'19         | 22°53          | 8°11           | 13°29           | 22° 3         | 26°31 | 26°36          | 10°54          | 29° 4  | 0°40  | 26°44  | 28° 4 | 16°44          | 15°41            | W20  |
| T 21 | 7 57 6  | 29°52'23         | 5 <b>℃</b> 17  | 9°53           | 14°20           | 22°49         | 26°44 | 26°33          | 10°58          | 29° 3  | 0°39  | 26°46  | 28° 1 | 16°51          | 15°44            | T 21 |
| F 22 | 8 1 3   | 0≈53'27          | 17°26          | 11°36          | 15°11           | 23°35         | 26°58 | 26°29          | 11° 1          | 29° 1  | 0°38  | 26°48  | 27°58 | 16°57          | 15°47            | F 22 |
| S 23 | 8 4 59  | 1°54'30          | 29°24          | 13°18          | 16° 4           | 24°22         | 27°12 | 26°25          | 11° 5          | 28°59  | 0°37  | 26°R48 | 27°55 | 17° 4          | 15°50            | S 23 |
| S 24 | 8 8 56  | 2°55'32          | 11 <b>8</b> 17 | 15° 0          | 16°57           | 25° 8         | 27°25 | 26°22          | 11°8           | 28°57  | 0°36  | 26°48  | 27°52 | 17°11          | 15°53            | S 24 |
| M25  | 8 12 52 | 3°56'32          | 23° 9          | 16°42          | 17°51           | 25°55         | 27°39 | 26°18          | 11°12          | 28°56  | 0°35  | 26°46  | 27°48 | 17°17          | 15°56            | M25  |
| T 26 | 8 16 49 | 4°57'32          | 5 <b>II</b> 5  | 18°23          | 18°45           | 26°41         | 27°53 | 26°15          | 11°15          | 28°54  | 0°34  | 26°44  | 27°45 | 17°24          | 15°59            | T 26 |
| W27  | 8 20 45 | 5°58'31          | 17°10          | 20° 3          | 19°40           | 27°28         | 28° 7 | 26°12          | 11°19          | 28°52  | 0°33  | 26°41  | 27°42 | 17°31          | 16° 2            | W27  |
| T 28 | 8 24 42 | 6°59'29          | 29°25          | 21°41          | 20°36           | 28°15         | 28°21 | 26° 9          | 11°22          | 28°51  | 0°32  | 26°38  | 27°39 | 17°38          | 16° 5            | T 28 |
| F 29 | 8 28 39 | 8° 0'25          | 119555         | 23°19          | 21°32           | 29° 1         | 28°35 | 26° 6          | 11°26          | 28°49  | 0°31  | 26°35  | 27°36 | 17°44          | 16° 8            | F 29 |
| S 30 | 8 32 35 | 9° 1'21          | 24°39          | 24°54          | 22°29           | 29°48         | 28°49 | 26° 3          | 11°29          | 28°47  | 0°30  | 26°32  | 27°33 | 17°51          | 16°11            | S 30 |
| S 31 | 8 36 32 | 10≈ 2'15         | 7 <b>Ω</b> 40  | 26≈27          | 23 <b>×</b> 126 | 0≈35          | 29≈ 3 | 26耳 0          | 11 <b>≈</b> 33 | 28946  | 0930  | 26≈30  | 27≈29 | 17 <b>8</b> 58 | 16 <b>∺</b> 14   | S 31 |

Delta T = 17.47 sec

FEBRUARY 1915 00:00 UT

| Day  | Sid.t    | 0                | 9               | φ               | Q.              | ð     | 4               | ħ              | ፟፟፟፟፟          | ¥      | 2     | ß      | Ω     | ţ             | , K             | Day  |
|------|----------|------------------|-----------------|-----------------|-----------------|-------|-----------------|----------------|----------------|--------|-------|--------|-------|---------------|-----------------|------|
| M 1  | 8 40 28  | 11 <b>≈</b> 3'09 | 20 <b>Ω</b> 56  | 27≈57           | 24 <b>×</b> 124 | 1≈21  | 29≈17           | 25°R57         | 11 <b>≈</b> 36 | 28°R44 | 0°R29 | 26°D29 | 27≈26 | 18 <b>8</b> 5 | 16 <b>)</b> 17  | M 1  |
| T 2  | 8 44 25  | 12° 4'01         | 4 Mp 26         | 29°23           | 25°22           | 2° 8  | 29°31           | 25 <b>Ⅱ</b> 54 | 11°40          | 289542 | 0928  | 26≈30  | 27°23 | 18°11         | 16°20           | T 2  |
| W 3  | 8 48 21  | 13° 4'52         | 18° 8           | 0 <b>) (</b> 46 | 26°21           | 2°55  | 29°45           | 25°52          | 11°43          | 28°41  | 0°27  | 26°30  | 27°20 | 18°18         | 16°23           | W 3  |
| T 4  | 8 52 18  | 14° 5'42         | 2 <b>₾</b> 1    | 2° 3            | 27°20           | 3°42  | 29°59           | 25°49          | 11°47          | 28°39  | 0°26  | 26°31  | 27°17 | 18°25         | 16°27           | T 4  |
| F 5  | 8 56 14  | 15° 6'32         | 16° 1           | 3°15            | 28°20           | 4°28  | 0 <b>) (</b> 14 | 25°47          | 11°50          | 28°38  | 0°25  | 26°32  | 27°13 | 18°31         | 16°30           | F 5  |
| S 6  | 9 0 11   | 16° 7'20         | 0 <b>M</b> 7    | 4°21            | 29°20           | 5°15  | 0°28            | 25°45          | 11°54          | 28°36  | 0°24  | 26°33  | 27°10 | 18°38         | 16°33           | S 6  |
| S 7  | 9 4 8    | 17° 8'08         | 14°18           | 5°20            | 0 <b>る</b> 20   | 6° 2  | 0°42            | 25°43          | 11°57          | 28°34  | 0°24  | 26°R33 | 27° 7 | 18°45         | 16°37           | S 7  |
| M 8  | 9 8 4    | 18° 8'55         | 28°29           | 6°11            | 1°21            | 6°49  | 0°57            | 25°41          | 12° 1          | 28°33  | 0°23  | 26°33  | 27° 4 | 18°52         | 16°40           | M 8  |
| T 9  | 9 12 1   | 19° 9'41         | 12 <b>,7</b> 41 | 6°54            | 2°22            | 7°36  | 1°11            | 25°39          | 12° 4          | 28°31  | 0°22  | 26°33  | 27° 1 | 18°58         | 16°43           | T 9  |
| W10  | 9 15 57  | 20°10'26         | 26°49           | 7°27            | 3°24            | 8°23  | 1°25            | 25°37          | 12° 8          | 28°30  | 0°21  | 26°32  | 26°58 | 19° 5         | 16°47           | W10  |
| T 11 | 9 19 54  | 21°11'10         | 10 <b>る</b> 52  | 7°51            | 4°26            | 9°10  | 1°40            | 25°35          | 12°11          | 28°28  | 0°21  | 26°31  | 26°54 | 19°12         | 16°50           | T 11 |
| F 12 | 9 23 50  | 22°11'52         | 24°45           | 8° 4            | 5°28            | 9°57  | 1°54            | 25°33          | 12°15          | 28°27  | 0°20  | 26°31  | 26°51 | 19°19         | 16°53           | F 12 |
| S 13 | 9 27 47  | 23°12'34         | 8 <b>≈</b> 27   | 8°R 7           | 6°31            | 10°44 | 2° 8            | 25°32          | 12°18          | 28°25  | 0°19  | 26°30  | 26°48 | 19°25         | 16°57           | S 13 |
| S 14 | 9 31 44  | 24°13'14         | 21°55           | 7°59            | 7°34            | 11°31 | 2°23            | 25°30          | 12°21          | 28°24  | 0°19  | 26°D30 | 26°45 | 19°32         | 17° 0           | S 14 |
| M15  | 9 35 40  | 25°13'52         | 5 <b>¥</b> 6    | 7°41            | 8°37            | 12°18 | 2°37            | 25°29          | 12°25          | 28°22  | 0°18  | 26°30  | 26°42 | 19°39         | 17° 4           | M15  |
| T 16 | 9 39 37  | 26°14'29         | 18° 1           | 7°13            | 9°41            | 13° 5 | 2°51            | 25°28          | 12°28          | 28°21  | 0°17  | 26°R30 | 26°39 | 19°45         | 17° 7           | T 16 |
| W17  | 9 43 33  | 27°15'05         | 0 <b>Ƴ</b> 39   | 6°35            | 10°44           | 13°52 | 3° 6            | 25°27          | 12°32          | 28°19  | 0°17  | 26°30  | 26°35 | 19°52         | 17°11           | W17  |
| T 18 | 9 47 30  | 28°15'38         | 13° 1           | 5°49            | 11°48           | 14°39 | 3°20            | 25°26          | 12°35          | 28°18  | 0°16  | 26°30  | 26°32 | 19°59         | 17°14           | T 18 |
| F 19 | 9 51 26  | 29°16'10         | 25°11           | 4°56            | 12°53           | 15°26 | 3°35            | 25°25          | 12°39          | 28°16  | 0°16  | 26°30  | 26°29 | 20° 6         | 17°18           | F 19 |
| S 20 | 9 55 23  | 0 <b>∺</b> 16'41 | 7811            | 3°57            | 13°57           | 16°13 | 3°49            | 25°24          | 12°42          | 28°15  | 0°15  | 26°30  | 26°26 | 20°12         | 17°21           | S 20 |
| S 21 | 9 59 19  | 1°17'09          | 19° 4           | 2°53            | 15° 2           | 17° 0 | 4° 4            | 25°24          | 12°45          | 28°14  | 0°15  | 26°29  | 26°23 | 20°19         | 17°25           | S 21 |
| M22  | 10 3 16  | 2°17'36          | 0耳57            | 1°48            | 16° 7           | 17°47 | 4°18            | 25°23          | 12°49          | 28°12  | 0°14  | 26°D29 | 26°19 | 20°26         | 17°29           | M22  |
| T 23 | 10 7 12  | 3°18'00          | 12°53           | 0°41            | 17°12           | 18°34 | 4°33            | 25°23          | 12°52          | 28°11  | 0°14  | 26°29  | 26°16 | 20°32         | 17°32           | T 23 |
| W24  | 10 11 9  | 4°18'23          | 24°56           | 29≈36           | 18°18           | 19°22 | 4°47            | 25°22          | 12°55          | 28°10  | 0°13  | 26°30  | 26°13 | 20°39         | 17°36           | W24  |
| T 25 | 10 15 6  | 5°18'44          | 7 <b>9</b> 513  | 28°33           | 19°23           | 20° 9 | 5° 2            | 25°22          | 12°59          | 28° 8  | 0°13  | 26°30  | 26°10 | 20°46         | 17°39           | T 25 |
| F 26 | 10 19 2  | 6°19'03          | 19°45           | 27°33           | 20°29           | 20°56 | 5°16            | 25°D22         | 13° 2          | 28° 7  | 0°12  | 26°31  | 26° 7 | 20°53         | 17°43           | F 26 |
| S 27 | 10 22 59 | 7°19'20          | 2 <b>Ω</b> 37   | 26°39           | 21°35           | 21°43 | 5°31            | 25°22          | 13° 5          | 28° 6  | 0°12  | 26°32  | 26° 4 | 20°59         | 17°47           | S 27 |
| S 28 | 10 26 55 | 8 <b>¥</b> 19'35 | 15 <b>Ω</b> 50  | 25≈50           | 22 <b>ප්</b> 41 | 22≈30 | 5 <b>)</b> €45  | 25Ⅲ22          | 13 <b>≈</b> 8  | 2895 5 | 09512 | 26≈33  | 26≈ 0 | 218 6         | 17 <b>)</b> (50 | S 28 |

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MARCH 1915 00:00 UT

| Day  | Sid.t    | 0                | D                | ğ              | ·              | ď              | 4             | ħ     | ) <b>f</b> ( | ¥      | Р       | ₽.     | v     | Ç              | ٨٥             | Day  |
|------|----------|------------------|------------------|----------------|----------------|----------------|---------------|-------|--------------|--------|---------|--------|-------|----------------|----------------|------|
| M 1  | 10 30 52 | 9 <b>)</b> 19'48 | 29 <b>Ω</b> 24   | 25°R 7         | 23 <b>궁</b> 48 | 23≈17          | 5 <b>¥</b> 59 | 25Ⅲ22 | 13≈12        | 28°R 3 | 0°R11   | 26°R33 | 25≈57 | 21813          | 17 <b>)</b> 54 | M 1  |
| T 2  | 10 34 48 | 10°20'00         | 13 <b>m</b> ) 18 | 24≈32          | 24°55          | 24° 4          | 6°14          | 25°23 | 13°15        | 2895 2 | 09୍ତୀ 1 | 26≈33  | 25°54 | 21°20          | 17°58          | T 2  |
| W 3  | 10 38 45 | 11°20'09         | 27°28            | 24° 3          | 26° 1          | 24°52          | 6°28          | 25°23 | 13°18        | 28° 1  | 0°11    | 26°31  | 25°51 | 21°26          | 18° 1          | W 3  |
| T 4  | 10 42 41 | 12°20'17         | 11 <b>≏</b> 51   | 23°41          | 27° 8          | 25°39          | 6°43          | 25°24 | 13°21        | 28° 0  | 0°10    | 26°30  | 25°48 | 21°33          | 18° 5          | T 4  |
| F 5  | 10 46 38 | 13°20'23         | 26°19            | 23°26          | 28°15          | 26°26          | 6°57          | 25°25 | 13°24        | 27°59  | 0°10    | 26°27  | 25°45 | 21°40          | 18° 9          | F 5  |
| S 6  | 10 50 35 | 14°20'27         | 10 <b>M</b> 49   | 23°18          | 29°23          | 27°13          | 7°12          | 25°25 | 13°28        | 27°58  | 0°10    | 26°25  | 25°41 | 21°46          | 18°12          | S 6  |
| S 7  | 10 54 31 | 15°20'30         | 25°14            | 23°D16         | 0≈30           | 28° 0          | 7°26          | 25°26 | 13°31        | 27°57  | 0°10    | 26°23  | 25°38 | 21°53          | 18°16          | S 7  |
| M 8  | 10 58 28 | 16°20'32         | 9 <b>.₹</b> 31   | 23°21          | 1°38           | 28°47          | 7°40          | 25°27 | 13°34        | 27°56  | 0°10    | 26°23  | 25°35 | 22° 0          | 18°20          | M 8  |
| T 9  | 11 2 24  | 17°20'32         | 23°37            | 23°32          | 2°46           | 29°35          | 7°55          | 25°29 | 13°37        | 27°55  | 0° 9    | 26°D22 | 25°32 | 22° 7          | 18°23          | T 9  |
| W10  | 11 621   | 18°20'30         | 7 <b>궁</b> 31    | 23°48          | 3°54           | 0 <b>∺</b> 22  | 8° 9          | 25°30 | 13°40        | 27°54  | 0° 9    | 26°23  | 25°29 | 22°13          | 18°27          | W10  |
| T 11 | 11 10 17 | 19°20'27         | 21°11            | 24°10          | 5° 2           | 1° 9           | 8°24          | 25°31 | 13°43        | 27°53  | 0° 9    | 26°25  | 25°25 | 22°20          | 18°31          | T 11 |
| F 12 | 11 14 14 | 20°20'22         | 4≈39             | 24°37          | 6°10           | 1°56           | 8°38          | 25°33 | 13°46        | 27°52  | 0° 9    | 26°26  | 25°22 | 22°27          | 18°34          | F 12 |
| S 13 | 11 18 10 | 21°20'15         | 17°54            | 25° 8          | 7°18           | 2°43           | 8°52          | 25°34 | 13°49        | 27°51  | 0° 9    | 26°27  | 25°19 | 22°33          | 18°38          | S 13 |
| S 14 | 11 22 7  | 22°20'06         | 0 <b>)</b> ₹56   | 25°44          | 8°27           | 3°30           | 9° 7          | 25°36 | 13°52        | 27°50  | 0° 9    | 26°R28 | 25°16 | 22°40          | 18°42          | S 14 |
| M15  | 11 26 4  | 23°19'55         | 13°46            | 26°24          | 9°35           | 4°18           | 9°21          | 25°38 | 13°55        | 27°49  | 0° 9    | 26°26  | 25°13 | 22°47          | 18°45          | M15  |
| T 16 | 11 30 0  | 24°19'43         | 26°24            | 27° 8          | 10°44          | 5° 5           | 9°35          | 25°40 | 13°58        | 27°48  | 0°D 9   | 26°24  | 25°10 | 22°54          | 18°49          | T 16 |
| W17  | 11 33 57 | 25°19'28         | 8 <b>Y</b> 50    | 27°55          | 11°53          | 5°52           | 9°49          | 25°42 | 14° 0        | 27°48  | 0° 9    | 26°20  | 25° 6 | 23° 0          | 18°53          | W17  |
| T 18 | 11 37 53 | 26°19'12         | 21° 6            | 28°46          | 13° 1          | 6°39           | 10° 3         | 25°44 | 14° 3        | 27°47  | 0° 9    | 26°15  | 25° 3 | 23° 7          | 18°56          | T 18 |
| F 19 | 11 41 50 | 27°18'53         | 3812             | 29°40          | 14°10          | 7°26           | 10°18         | 25°46 | 14° 6        | 27°46  | 0° 9    | 26° 9  | 25° 0 | 23°14          | 19° 0          | F 19 |
| S 20 | 11 45 46 | 28°18'32         | 15°10            | 0 <b>∺</b> 36  | 15°20          | 8°13           | 10°32         | 25°49 | 14° 9        | 27°46  | 0° 9    | 26° 4  | 24°57 | 23°21          | 19° 4          | S 20 |
| S 21 | 11 49 43 | 29°18'09         | 27° 3            | 1°36           | 16°29          | 9° 0           | 10°46         | 25°51 | 14°11        | 27°45  | 0° 9    | 25°59  | 24°54 | 23°27          | 19° 7          | S 21 |
| M22  | 11 53 39 | 0 <b>Υ</b> 17'44 | 8 <b>Ⅱ</b> 55    | 2°38           | 17°38          | 9°48           | 11° 0         | 25°54 | 14°14        | 27°44  | 0° 9    | 25°55  | 24°50 | 23°34          | 19°11          | M22  |
| T 23 | 11 57 36 | 1°17'17          | 20°49            | 3°43           | 18°47          | 10°35          | 11°14         | 25°56 | 14°17        | 27°44  | 0°10    | 25°53  | 24°47 | 23°41          | 19°15          | T 23 |
| W24  | 12 1 33  | 2°16'47          | 2950             | 4°50           | 19°57          | 11°22          | 11°28         | 25°59 | 14°19        | 27°43  | 0°10    | 25°D52 | 24°44 | 23°47          | 19°18          | W24  |
| T 25 | 12 5 29  | 3°16'15          | 15° 3            | 6° 0           | 21° 6          | 12° 9          | 11°42         | 26° 2 | 14°22        | 27°43  | 0°10    | 25°53  | 24°41 | 23°54          | 19°22          | T 25 |
| F 26 | 12 9 26  | 4°15'41          | 27°33            | 7°11           | 22°16          | 12°56          | 11°56         | 26° 5 | 14°25        | 27°42  | 0°10    | 25°54  | 24°38 | 24° 1          | 19°25          | F 26 |
| S 27 | 12 13 22 | 5°15'04          | 10 <b>Ω</b> 24   | 8°25           | 23°26          | 13°43          | 12°10         | 26° 8 | 14°27        | 27°42  | 0°11    | 25°56  | 24°35 | 24° 8          | 19°29          | S 27 |
| S 28 | 12 17 19 | 6°14'25          | 23°39            | 9°41           | 24°35          | 14°30          | 12°24         | 26°11 | 14°30        | 27°41  | 0°11    | 25°R57 | 24°31 | 24°14          | 19°32          | S 28 |
| M29  | 12 21 15 | 7°13'44          | 7 <b>m</b> ) 21  | 10°58          | 25°45          | 15°17          | 12°38         | 26°14 | 14°32        | 27°41  | 0°11    | 25°56  | 24°28 | 24°21          | 19°36          | M29  |
| T 30 | 12 25 12 | 8°13'00          | 21°29            | 12°18          | 26°55          | 16° 4          | 12°51         | 26°18 | 14°34        | 27°41  | 0°11    | 25°54  | 24°25 | 24°28          | 19°40          | T 30 |
| W31  | 12 29 8  | 9 <b>Υ</b> 12'14 | 5 <b>Ω</b> 59    | 13 <b>米</b> 39 | 28 <b>≈</b> 5  | 16 <b>米</b> 51 | 13 <b>¥</b> 5 | 26Ⅲ21 | 14≈37        | 279540 | 09512   | 25≈49  | 24≈22 | 24 <b>8</b> 34 | 19 <b>米</b> 43 | W31  |

Delta T = 17.65 sec

APRIL 1915 00:00 UT

| Day  | Sid.t    | 0                 | D               | ğ             | φ             | ♂                | 4              | ħ              | )ұ(            | ¥      | Р      | r      | Ω              | Ç              | ď               | Day  |
|------|----------|-------------------|-----------------|---------------|---------------|------------------|----------------|----------------|----------------|--------|--------|--------|----------------|----------------|-----------------|------|
| T 1  | 12 33 5  | 10 <b>Υ</b> 11'27 | 20 <b>≏</b> 47  | 15 <b>∺</b> 2 | 29≈15         | 17 <b>) (</b> 38 | 13 <b>米</b> 19 | 26Ⅲ25          | 14≈39          | 27°R40 | 09୍ତ12 | 25°R43 | 24≈19          | 24841          | 19 <b>){</b> 47 | T 1  |
| F 2  | 12 37 2  | 11°10'37          | 5 <b>M</b> .44  | 16°26         | 0 <b>∺</b> 25 | 18°25            | 13°32          | 26°29          | 14°41          | 279540 | 0°13   | 25≈36  | 24°16          | 24°48          | 19°50           | F 2  |
| S 3  | 12 40 58 | 12° 9'45          | 20°40           | 17°52         | 1°36          | 19°12            | 13°46          | 26°32          | 14°44          | 27°40  | 0°13   | 25°29  | 24°12          | 24°55          | 19°53           | S 3  |
| S 4  | 12 44 55 | 13° 8'52          | 5 <b>₹</b> 29   | 19°20         | 2°46          | 19°59            | 14° 0          | 26°36          | 14°46          | 27°39  | 0°13   | 25°23  | 24° 9          | 25° 1          | 19°57           | S 4  |
| M 5  | 12 48 51 | 14° 7'57          | 20° 1           | 20°50         | 3°56          | 20°46            | 14°13          | 26°40          | 14°48          | 27°39  | 0°14   | 25°19  | 24° 6          | 25° 8          | 20° 0           | M 5  |
| T 6  | 12 52 48 | 15° 7'00          | 4 <b>ට</b> 15   | 22°21         | 5° 7          | 21°32            | 14°27          | 26°44          | 14°50          | 27°39  | 0°14   | 25°17  | 24° 3          | 25°15          | 20° 4           | T 6  |
| W 7  | 12 56 44 | 16° 6'02          | 18° 7           | 23°53         | 6°17          | 22°19            | 14°40          | 26°48          | 14°52          | 27°39  | 0°15   | 25°D16 | 24° 0          | 25°22          | 20° 7           | W 7  |
| T 8  | 13 041   | 17° 5'01          | 1≈39            | 25°27         | 7°28          | 23° 6            | 14°53          | 26°52          | 14°54          | 27°39  | 0°15   | 25°17  | 23°56          | 25°28          | 20°11           | T 8  |
| F 9  | 13 4 37  | 18° 3'59          | 14°51           | 27° 3         | 8°38          | 23°53            | 15° 7          | 26°57          | 14°56          | 27°D39 | 0°16   | 25°18  | 23°53          | 25°35          | 20°14           | F 9  |
| S 10 | 13 8 34  | 19° 2'55          | 27°48           | 28°40         | 9°49          | 24°40            | 15°20          | 27° 1          | 14°58          | 27°39  | 0°16   | 25°R18 | 23°50          | 25°42          | 20°17           | S 10 |
| S 11 | 13 12 31 | 20° 1'49          | 10 <b>∺</b> 30  | 0 <b>Υ</b> 19 | 11° 0         | 25°26            | 15°33          | 27° 6          | 15° 0          | 27°39  | 0°17   | 25°17  | 23°47          | 25°48          | 20°21           | S 11 |
| M12  | 13 16 27 | 21° 0'42          | 23° 1           | 2° 0          | 12°11         | 26°13            | 15°46          | 27°10          | 15° 2          | 27°39  | 0°18   | 25°13  | 23°44          | 25°55          | 20°24           | M12  |
| T 13 | 13 20 24 | 21°59'32          | 5 <b>℃</b> 23   | 3°41          | 13°21         | 27° 0            | 15°59          | 27°15          | 15° 4          | 27°39  | 0°18   | 25° 7  | 23°41          | 26° 2          | 20°27           | T 13 |
| W14  | 13 24 20 | 22°58'21          | 17°35           | 5°25          | 14°32         | 27°47            | 16°12          | 27°19          | 15° 6          | 27°39  | 0°19   | 24°59  | 23°37          | 26° 9          | 20°30           | W14  |
| T 15 | 13 28 17 | 23°57'07          | 29°41           | 7°10          | 15°43         | 28°33            | 16°25          | 27°24          | 15° 8          | 27°40  | 0°20   | 24°48  | 23°34          | 26°15          | 20°34           | T 15 |
| F 16 | 13 32 13 | 24°55'52          | 11841           | 8°56          | 16°54         | 29°20            | 16°38          | 27°29          | 15° 9          | 27°40  | 0°20   | 24°37  | 23°31          | 26°22          | 20°37           | F 16 |
| S 17 | 13 36 10 | 25°54'35          | 23°36           | 10°44         | 18° 5         | 0 <b>Υ</b> 6     | 16°51          | 27°34          | 15°11          | 27°40  | 0°21   | 24°25  | 23°28          | 26°29          | 20°40           | S 17 |
| S 18 | 13 40 6  | 26°53'15          | 5 <b>Ⅱ</b> 27   | 12°34         | 19°16         | 0°53             | 17° 4          | 27°39          | 15°13          | 27°40  | 0°22   | 24°14  | 23°25          | 26°36          | 20°43           | S 18 |
| M19  | 13 44 3  | 27°51'54          | 17°19           | 14°25         | 20°27         | 1°40             | 17°16          | 27°44          | 15°14          | 27°41  | 0°22   | 24° 5  | 23°22          | 26°42          | 20°46           | M19  |
| T 20 | 13 47 59 | 28°50'30          | 29°12           | 16°18         | 21°38         | 2°26             | 17°29          | 27°49          | 15°16          | 27°41  | 0°23   | 23°59  | 23°18          | 26°49          | 20°49           | T 20 |
| W21  | 13 51 56 | 29°49'04          | 119512          | 18°13         | 22°50         | 3°12             | 17°42          | 27°55          | 15°17          | 27°41  | 0°24   | 23°55  | 23°15          | 26°56          | 20°52           | W21  |
| T 22 | 13 55 53 | 0 <b>8</b> 47'36  | 23°22           | 20° 9         | 24° 1         | 3°59             | 17°54          | 28° 0          | 15°19          | 27°42  | 0°25   | 23°53  | 23°12          | 27° 2          | 20°55           | T 22 |
| F 23 | 13 59 49 | 1°46'06           | 5 <b>Ω</b> 47   | 22° 6         | 25°12         | 4°45             | 18° 6          | 28° 5          | 15°20          | 27°42  | 0°26   | 23°D53 | 23° 9          | 27° 9          | 20°58           | F 23 |
| S 24 | 14 3 46  | 2°44'34           | 18°33           | 24° 6         | 26°23         | 5°32             | 18°19          | 28°11          | 15°22          | 27°43  | 0°26   | 23°R53 | 23° 6          | 27°16          | 21° 1           | S 24 |
| S 25 | 14 7 42  | 3°42'59           | 1 <b>M</b> ) 44 | 26° 6         | 27°35         | 6°18             | 18°31          | 28°17          | 15°23          | 27°43  | 0°27   | 23°53  | 23° 2          | 27°23          | 21° 4           | S 25 |
| M26  | 14 11 39 | 4°41'23           | 15°23           | 28° 8         | 28°46         | 7° 4             | 18°43          | 28°22          | 15°24          | 27°44  | 0°28   | 23°51  | 22°59          | 27°29          | 21° 7           | M26  |
| T 27 | 14 15 35 | 5°39'44           | 29°32           | 0812          | 29°57         | 7°51             | 18°55          | 28°28          | 15°25          | 27°44  | 0°29   | 23°47  | 22°56          | 27°36          | 21°10           | T 27 |
| W28  | 14 19 32 | 6°38'03           | 14₽ 8           | 2°17          | 1 <b>Υ</b> 9  | 8°37             | 19° 7          | 28°34          | 15°27          | 27°45  | 0°30   | 23°41  | 22°53          | 27°43          | 21°13           | W28  |
| T 29 | 14 23 28 | 7°36'20           | 29° 7           | 4°23          | 2°20          | 9°23             | 19°19          | 28°39          | 15°28          | 27°46  | 0°31   | 23°32  | 22°50          | 27°49          | 21°15           | T 29 |
| F 30 | 14 27 25 | 8 <b>8</b> 34'36  | 14 <b>M</b> 20  | 6 <b>8</b> 30 | 3 <b>Υ</b> 32 | 10 <b>℃</b> 9    | 19 <b>米</b> 31 | 28 <b>Ⅱ</b> 45 | 15 <b>≈</b> 29 | 279546 | 0ණ32   | 23≈22  | 22 <b>≈</b> 47 | 27 <b>8</b> 56 | 21 <b>)</b> 18  | F 30 |

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| Day  | Sid.t    | 0                | D               | ğ             | ·            | ♂              | 4                | ħ               | )ф(            | ¥      | Р     | ß      | v     | Ç             | o<br>k         | Day  |
|------|----------|------------------|-----------------|---------------|--------------|----------------|------------------|-----------------|----------------|--------|-------|--------|-------|---------------|----------------|------|
| S 1  | 14 31 22 | 9 <b>8</b> 32'49 | 29 <b>M</b> .37 | 8 <b>8</b> 38 | <b>4</b> Υ43 | 10 <b>Y</b> 55 | 19 <b>)</b> 43   | 28 <b>II</b> 51 | 15≈30          | 279547 | 0933  | 23°R11 | 22≈43 | 28 <b>8</b> 3 | 21 <b>米</b> 21 | S 1  |
| S 2  | 14 35 18 | 10°31'02         | 14 <b>₹</b> 45  | 10°47         | 5°55         | 11°41          | 19°54            | 28°57           | 15°31          | 27°48  | 0°34  | 23≈ 2  | 22°40 | 28°10         | 21°24          | S 2  |
| M 3  | 14 39 15 | 11°29'12         | 29°36           | 12°57         | 7° 6         | 12°27          | 20° 6            | 29° 3           | 15°32          | 27°48  | 0°35  | 22°54  | 22°37 | 28°16         | 21°26          | M 3  |
| T 4  | 14 43 11 | 12°27'21         | 14る 3           | 15° 7         | 8°18         | 13°13          | 20°18            | 29°10           | 15°33          | 27°49  | 0°36  | 22°50  | 22°34 | 28°23         | 21°29          | T 4  |
| W 5  | 14 47 8  | 13°25'29         | 28° 4           | 17°16         | 9°29         | 13°59          | 20°29            | 29°16           | 15°33          | 27°50  | 0°37  | 22°47  | 22°31 | 28°30         | 21°31          | W 5  |
| T 6  | 14 51 4  | 14°23'35         | 11≈38           | 19°26         | 10°41        | 14°45          | 20°40            | 29°22           | 15°34          | 27°51  | 0°38  | 22°D47 | 22°28 | 28°37         | 21°34          | T 6  |
| F 7  | 14 55 1  | 15°21'40         | 24°48           | 21°35         | 11°53        | 15°31          | 20°51            | 29°28           | 15°35          | 27°52  | 0°39  | 22°R47 | 22°24 | 28°43         | 21°36          | F 7  |
| S 8  | 14 58 58 | 16°19'43         | 7 <b>∺</b> 37   | 23°44         | 13° 4        | 16°17          | 21° 3            | 29°35           | 15°36          | 27°53  | 0°40  | 22°46  | 22°21 | 28°50         | 21°39          | S 8  |
| S 9  | 15 2 54  | 17°17'45         | 20° 9           | 25°51         | 14°16        | 17° 3          | 21°14            | 29°41           | 15°36          | 27°54  | 0°41  | 22°44  | 22°18 | 28°57         | 21°41          | S 9  |
| M10  | 15 6 51  | 18°15'46         | 2 <b>Υ</b> 28   | 27°57         | 15°28        | 17°48          | 21°25            | 29°48           | 15°37          | 27°55  | 0°42  | 22°39  | 22°15 | 29° 3         | 21°44          | M10  |
| T 11 | 15 10 47 | 19°13'45         | 14°38           | 0 <b>I</b> 1  | 16°40        | 18°34          | 21°35            | 29°54           | 15°37          | 27°56  | 0°43  | 22°31  | 22°12 | 29°10         | 21°46          | T 11 |
| W12  | 15 14 44 | 20°11'43         | 26°40           | 2° 4          | 17°52        | 19°20          | 21°46            | 0ର୍ତ୍ତ 1        | 15°38          | 27°57  | 0°45  | 22°21  | 22° 8 | 29°17         | 21°48          | W12  |
| T 13 | 15 18 40 | 21° 9'39         | 8 <b>8</b> 38   | 4° 4          | 19° 4        | 20° 5          | 21°57            | 0° 7            | 15°38          | 27°58  | 0°46  | 22° 8  | 22° 5 | 29°24         | 21°50          | T 13 |
| F 14 | 15 22 37 | 22° 7'34         | 20°32           | 6° 2          | 20°15        | 20°51          | 22° 7            | 0°14            | 15°39          | 27°59  | 0°47  | 21°54  | 22° 2 | 29°30         | 21°53          | F 14 |
| S 15 | 15 26 33 | 23° 5'28         | 2∏24            | 7°57          | 21°27        | 21°37          | 22°18            | 0°21            | 15°39          | 28° 0  | 0°48  | 21°40  | 21°59 | 29°37         | 21°55          | S 15 |
| S 16 | 15 30 30 | 24° 3'20         | 14°16           | 9°50          | 22°39        | 22°22          | 22°28            | 0°28            | 15°39          | 28° 1  | 0°49  | 21°27  | 21°56 | 29°44         | 21°57          | S 16 |
| M17  | 15 34 26 | 25° 1'10         | 26° 8           | 11°40         | 23°51        | 23° 7          | 22°38            | 0°34            | 15°40          | 28° 2  | 0°51  | 21°15  | 21°53 | 29°50         | 21°59          | M17  |
| T 18 | 15 38 23 | 25°58'59         | 895 4           | 13°27         | 25° 3        | 23°53          | 22°48            | 0°41            | 15°40          | 28° 4  | 0°52  | 21° 7  | 21°49 | 29°57         | 22° 1          | T 18 |
| W19  | 15 42 20 | 26°56'46         | 20° 6           | 15°11         | 26°15        | 24°38          | 22°58            | 0°48            | 15°40          | 28° 5  | 0°53  | 21° 1  | 21°46 | 0 <b>Π</b> 4  | 22° 3          | W19  |
| T 20 | 15 46 16 | 27°54'32         | 2 <b>Ω</b> 17   | 16°51         | 27°27        | 25°24          | 23° 8            | 0°55            | 15°40          | 28° 6  | 0°54  | 20°58  | 21°43 | 0°11          | 22° 5          | T 20 |
| F 21 | 15 50 13 | 28°52'16         | 14°42           | 18°29         | 28°39        | 26° 9          | 23°18            | 1° 2            | 15°R40         | 28° 7  | 0°55  | 20°57  | 21°40 | 0°17          | 22° 7          | F 21 |
| S 22 | 15 54 9  | 29°49'58         | 27°26           | 20° 3         | 29°51        | 26°54          | 23°28            | 1° 9            | 15°40          | 28° 9  | 0°57  | 20°57  | 21°37 | 0°24          | 22° 9          | S 22 |
| S 23 | 15 58 6  | 0 <b>Ⅱ</b> 47'39 | 10 <b>m</b> y31 | 21°35         | 1 <b>8</b> 3 | 27°39          | 23°37            | 1°16            | 15°40          | 28°10  | 0°58  | 20°57  | 21°34 | 0°31          | 22°10          | S 23 |
| M24  | 16 2 2   | 1°45'18          | 24° 4           | 23° 2         | 2°15         | 28°24          | 23°46            | 1°23            | 15°40          | 28°11  | 0°59  | 20°55  | 21°30 | 0°38          | 22°12          | M24  |
| T 25 | 16 5 59  | 2°42'55          | 8 <b>º</b> 5    | 24°27         | 3°27         | 29° 9          | 23°56            | 1°31            | 15°40          | 28°13  | 1° 1  | 20°52  | 21°27 | 0°44          | 22°14          | T 25 |
| W26  | 16 9 55  | 3°40'32          | 22°34           | 25°48         | 4°40         | 29°54          | 24° 5            | 1°38            | 15°40          | 28°14  | 1° 2  | 20°45  | 21°24 | 0°51          | 22°16          | W26  |
| T 27 | 16 13 52 | 4°38'06          | 7 <b>M</b> 29   | 27° 5         | 5°52         | 0839           | 24°14            | 1°45            | 15°39          | 28°16  | 1° 3  | 20°37  | 21°21 | 0°58          | 22°17          | T 27 |
| F 28 | 16 17 49 | 5°35'40          | 22°41           | 28°20         | 7° 4         | 1°24           | 24°23            | 1°52            | 15°39          | 28°17  | 1° 5  | 20°27  | 21°18 | 1° 4          | 22°19          | F 28 |
| S 29 | 16 21 45 | 6°33'12          | 8 <b>√</b> 2    | 29°30         | 8°16         | 2° 9           | 24°32            | 2° 0            | 15°39          | 28°19  | 1° 6  | 20°17  | 21°14 | 1°11          | 22°20          | S 29 |
| S 30 | 16 25 42 | 7°30'43          | 23°18           | 0937          | 9°28         | 2°54           | 24°40            | 2° 7            | 15°38          | 28°20  | 1° 7  | 20° 8  | 21°11 | 1°18          | 22°22          | S 30 |
| M31  | 16 29 38 | 8 <b>Ⅲ</b> 28'13 | 8 <b>전</b> 19   | 19540         | 10840        | 3 <b>8</b> 38  | 24 <b>) (</b> 49 | 29514           | 15 <b>≈</b> 38 | 28922  | 199 9 | 20≈ 0  | 21≈ 8 | 1耳25          | 22 <b>米</b> 23 | M31  |

Delta T = 17.83 sec

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| T 1  |
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| F 4<br>S 5   |
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| S 6<br>M 7   |
| T 8  |
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| F 18   |
| S 19   |
| S 20   |
| M21  |
| T 22   |
| W23  |
| T 24   |
| F 25<br>S 26   |
|  |
| S 27   |
| M28<br>T 29  |
| W30  |
| 39<br>39<br>39<br>30<br>30<br>31<br>31<br>31<br>31<br>31<br>31<br>31<br>31<br>31<br>31<br>31<br>31<br>31 |

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| Day  | Sid.t    | 0                | D               | ğ      | φ               | ♂              | 4              | ħ      | )f(    | ¥             | Р    | ß              | ß              | ţ             | , k              | Day  |
|------|----------|------------------|-----------------|--------|-----------------|----------------|----------------|--------|--------|---------------|------|----------------|----------------|---------------|------------------|------|
| T 1  | 18 31 52 | 89 5'01          | 29≈18           | 2°R21  | 18 <b>I</b> I10 | 26815          | 27 <b>)</b> 58 | 69513  | 15°R 3 | 299520        | 1953 | 17≈55          | 19≈30          | 4 <b>Ⅱ</b> 53 | 22°R41           | T 1  |
| F 2  | 18 35 48 | 9° 2'12          | 12 <b>)</b> 39  | 1952   | 19°23           | 26°58          | 28° 1          | 6°20   | 15≈ 1  | 29°22         | 1°54 | 17°56          | 19°26          | 5° 0          | 22 <b>) (</b> 41 | F 2  |
| S 3  | 18 39 45 | 9°59'23          | 25°34           | 1°26   | 20°35           | 27°41          | 28° 5          | 6°28   | 14°59  | 29°24         | 1°56 | 17°58          | 19°23          | 5° 6          | 22°41            | S 3  |
| S 4  | 18 43 41 | 10°56'34         | 8 <b>Y</b> 8    | 1° 3   | 21°48           | 28°24          | 28° 8          | 6°36   | 14°57  | 29°26         | 1°57 | 17°R59         | 19°20          | 5°13          | 22°40            | S 4  |
| M 5  | 18 47 38 | 11°53'46         | 20°25           | 0°45   | 23° 1           | 29° 6          | 28°10          | 6°44   | 14°55  | 29°28         | 1°59 | 17°58          | 19°17          | 5°20          | 22°40            | M 5  |
| T 6  | 18 51 34 | 12°50'58         | 2829            | 0°30   | 24°14           | 29°49          | 28°13          | 6°52   | 14°53  | 29°30         | 2° 0 | 17°57          | 19°14          | 5°27          | 22°39            | T 6  |
| W 7  | 18 55 31 | 13°48'11         | 14°26           | 0°21   | 25°27           | 0 <b>Ⅲ</b> 31  | 28°16          | 6°59   | 14°52  | 29°32         | 2° 2 | 17°53          | 19°11          | 5°33          | 22°39            | W 7  |
| T 8  | 18 59 28 | 14°45'23         | 26°18           | 0°15   | 26°40           | 1°14           | 28°18          | 7° 7   | 14°50  | 29°35         | 2° 3 | 17°49          | 19° 7          | 5°40          | 22°38            | T 8  |
| F 9  | 19 3 24  | 15°42'36         | 8耳 9            | 0°D15  | 27°54           | 1°56           | 28°20          | 7°15   | 14°48  | 29°37         | 2° 5 | 17°43          | 19° 4          | 5°47          | 22°37            | F 9  |
| S 10 | 19 721   | 16°39'50         | 20° 3           | 0°20   | 29° 7           | 2°38           | 28°22          | 7°23   | 14°46  | 29°39         | 2° 6 | 17°38          | 19° 1          | 5°53          | 22°37            | S 10 |
| S 11 | 19 11 17 | 17°37'03         | 295 2           | 0°30   | 0920            | 3°20           | 28°24          | 7°30   | 14°44  | 29°41         | 2° 7 | 17°33          | 18°58          | 6° 0          | 22°36            | S 11 |
| M12  | 19 15 14 | 18°34'17         | 14° 7           | 0°45   | 1°33            | 4° 2           | 28°25          | 7°38   | 14°42  | 29°43         | 2° 9 | 17°28          | 18°55          | 6° 7          | 22°35            | M12  |
| T 13 | 19 19 10 | 19°31'32         | 26°21           | 1° 6   | 2°46            | 4°44           | 28°27          | 7°46   | 14°40  | 29°45         | 2°10 | 17°25          | 18°52          | 6°14          | 22°34            | T 13 |
| W14  | 19 23 7  | 20°28'46         | 8 <b>Ω</b> 44   | 1°32   | 3°59            | 5°26           | 28°28          | 7°54   | 14°37  | 29°48         | 2°12 | 17°24          | 18°48          | 6°20          | 22°34            | W14  |
| T 15 | 19 27 3  | 21°26'01         | 21°19           | 2° 3   | 5°13            | 6° 8           | 28°29          | 8° 1   | 14°35  | 29°50         | 2°13 | 17°D24         | 18°45          | 6°27          | 22°33            | T 15 |
| F 16 | 19 31 0  | 22°23'15         | 4Mp 5           | 2°40   | 6°26            | 6°50           | 28°30          | 8° 9   | 14°33  | 29°52         | 2°14 | 17°24          | 18°42          | 6°34          | 22°32            | F 16 |
| S 17 | 19 34 57 | 23°20'30         | 17° 6           | 3°22   | 7°39            | 7°32           | 28°30          | 8°17   | 14°31  | 29°54         | 2°16 | 17°26          | 18°39          | 6°40          | 22°31            | S 17 |
| S 18 | 19 38 53 | 24°17'45         | 0 <b>≏</b> 22   | 4° 9   | 8°52            | 8°13           | 28°31          | 8°24   | 14°29  | 29°57         | 2°17 | 17°27          | 18°36          | 6°47          | 22°29            | S 18 |
| M19  | 19 42 50 | 25°15'00         | 13°55           | 5° 1   | 10° 6           | 8°55           | 28°R31         | 8°32   | 14°27  | 29°59         | 2°19 | 17°28          | 18°32          | 6°54          | 22°28            | M19  |
| T 20 | 19 46 46 | 26°12'16         | 27°45           | 5°59   | 11°19           | 9°36           | 28°31          | 8°39   | 14°24  | $0\Omega$ 1   | 2°20 | 17°R29         | 18°29          | 7° 1          | 22°27            | T 20 |
| W21  | 19 50 43 | 27° 9'32         | 11 <b>M</b> 54  | 7° 1   | 12°32           | 10°18          | 28°30          | 8°47   | 14°22  | 0° 3          | 2°21 | 17°28          | 18°26          | 7° 7          | 22°26            | W21  |
| T 22 | 19 54 39 | 28° 6'47         | 26°18           | 8° 9   | 13°46           | 10°59          | 28°30          | 8°55   | 14°20  | 0° 5          | 2°23 | 17°27          | 18°23          | 7°14          | 22°25            | T 22 |
| F 23 | 19 58 36 | 29° 4'04         | 10 <b>×</b> 755 | 9°21   | 14°59           | 11°40          | 28°29          | 9° 2   | 14°18  | 0° 8          | 2°24 | 17°25          | 18°20          | 7°21          | 22°23            | F 23 |
| S 24 | 20 2 32  | 0 <b>Ω</b> 1'20  | 25°39           | 10°38  | 16°13           | 12°22          | 28°29          | 9°10   | 14°15  | 0°10          | 2°25 | 17°23          | 18°17          | 7°27          | 22°22            | S 24 |
| S 25 | 20 6 29  | 0°58'37          | 10중25           | 12° 0  | 17°26           | 13° 3          | 28°28          | 9°17   | 14°13  | 0°12          | 2°27 | 17°21          | 18°13          | 7°34          | 22°20            | S 25 |
| M26  | 20 10 26 | 1°55'55          | 25° 4           | 13°26  | 18°40           | 13°44          | 28°26          | 9°24   | 14°11  | 0°14          | 2°28 | 17°19          | 18°10          | 7°41          | 22°19            | M26  |
| T 27 | 20 14 22 | 2°53'13          | 9≈29            | 14°57  | 19°53           | 14°25          | 28°25          | 9°32   | 14° 8  | 0°17          | 2°29 | 17°18          | 18° 7          | 7°48          | 22°17            | T 27 |
| W28  | 20 18 19 | 3°50'32          | 23°37           | 16°32  | 21° 7           | 15° 6          | 28°24          | 9°39   | 14° 6  | 0°19          | 2°30 | 17°D18         | 18° 4          | 7°54          | 22°16            | W28  |
| T 29 | 20 22 15 | 4°47'52          | 7 <b>)</b> €22  | 18°11  | 22°20           | 15°47          | 28°22          | 9°47   | 14° 4  | 0°21          | 2°32 | 17°19          | 18° 1          | 8° 1          | 22°14            | T 29 |
| F 30 | 20 26 12 | 5°45'12          | 20°43           | 19°54  | 23°34           | 16°27          | 28°20          | 9°54   | 14° 1  | 0°23          | 2°33 | 17°20          | 17°58          | 8° 8          | 22°13            | F 30 |
| S 31 | 20 30 8  | 6 <b>Ω</b> 42'34 | 3 <b>Ƴ</b> 42   | 219540 | 249647          | 17 <b>II</b> 8 | 28 <b>)</b> 18 | 1099 1 | 13≈59  | 0 <b>Ω</b> 25 | 2934 | 17 <b>≈</b> 21 | 17 <b>≈</b> 54 | 8 <b>Ⅱ</b> 14 | 22 <b>)</b> 11   | S 31 |

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AUGUST 1915 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ             | Q-            | ঠ              | 4               | ħ      | Ж      | ¥              | Р     | ß      | ಬ     | Ç              | ę,            | Day  |
|------|----------|------------------|-----------------|---------------|---------------|----------------|-----------------|--------|--------|----------------|-------|--------|-------|----------------|---------------|------|
| S 1  | 20 34 5  | 7 <b>Ω</b> 39'56 | 16 <b>Y</b> 19  | 23930         | 2695 1        | 17 <b>Ⅱ</b> 49 | 28°R15          | 1095 8 | 13°R57 | $0\Omega_{28}$ | 2935  | 17≈22  | 17≈51 | 8Д21           | 22°R 9        | S 1  |
| M 2  | 20 38 1  | 8°37'20          | 28°39           | 25°23         | 27°15         | 18°29          | 28 <b>)</b> 13  | 10°16  | 13≈54  | 0°30           | 2°37  | 17°22  | 17°48 | 8°28           | 22 <b>)</b> 7 | M 2  |
| T 3  | 20 41 58 | 9°34'45          | 10845           | 27°18         | 28°28         | 19° 9          | 28°10           | 10°23  | 13°52  | 0°32           | 2°38  | 17°R22 | 17°45 | 8°35           | 22° 6         | T 3  |
| W 4  | 20 45 55 | 10°32'11         | 22°43           | 29°15         | 29°42         | 19°50          | 28° 7           | 10°30  | 13°49  | 0°34           | 2°39  | 17°22  | 17°42 | 8°41           | 22° 4         | W 4  |
| T 5  | 20 49 51 | 11°29'38         | 4 <b>Ⅱ</b> 35   | 1 <b>Ω</b> 15 | 0 <b>Ω</b> 56 | 20°30          | 28° 4           | 10°37  | 13°47  | 0°36           | 2°40  | 17°22  | 17°38 | 8°48           | 22° 2         | T 5  |
| F 6  | 20 53 48 | 12°27'07         | 16°28           | 3°16          | 2°10          | 21°10          | 28° 1           | 10°44  | 13°45  | 0°39           | 2°41  | 17°21  | 17°35 | 8°55           | 22° 0         | F 6  |
| S 7  | 20 57 44 | 13°24'37         | 28°25           | 5°18          | 3°24          | 21°50          | 27°57           | 10°51  | 13°42  | 0°41           | 2°43  | 17°20  | 17°32 | 9° 1           | 21°58         | S 7  |
| S 8  | 21 141   | 14°22'08         | 109528          | 7°21          | 4°37          | 22°30          | 27°54           | 10°58  | 13°40  | 0°43           | 2°44  | 17°20  | 17°29 | 9° 8           | 21°56         | S 8  |
| M 9  | 21 5 37  | 15°19'40         | 22°42           | 9°25          | 5°51          | 23°10          | 27°50           | 11° 5  | 13°38  | 0°45           | 2°45  | 17°20  | 17°26 | 9°15           | 21°54         | M 9  |
| T 10 | 21 9 34  | 16°17'14         | 5 <b>Ω</b> 8    | 11°29         | 7° 5          | 23°50          | 27°46           | 11°12  | 13°35  | 0°47           | 2°46  | 17°20  | 17°23 | 9°22           | 21°52         | T 10 |
| W11  | 21 13 30 | 17°14'49         | 17°48           | 13°32         | 8°19          | 24°30          | 27°41           | 11°19  | 13°33  | 0°50           | 2°47  | 17°20  | 17°19 | 9°28           | 21°50         | W11  |
| T 12 | 21 17 27 | 18°12'24         | 0 <b>m</b> 42   | 15°36         | 9°33          | 25°10          | 27°37           | 11°26  | 13°30  | 0°52           | 2°48  | 17°20  | 17°16 | 9°35           | 21°47         | T 12 |
| F 13 | 21 21 24 | 19°10'01         | 13°51           | 17°39         | 10°47         | 25°49          | 27°33           | 11°33  | 13°28  | 0°54           | 2°49  | 17°20  | 17°13 | 9°42           | 21°45         | F 13 |
| S 14 | 21 25 20 | 20° 7'39         | 27°14           | 19°41         | 12° 1         | 26°29          | 27°28           | 11°39  | 13°26  | 0°56           | 2°50  | 17°19  | 17°10 | 9°48           | 21°43         | S 14 |
| S 15 | 21 29 17 | 21° 5'18         | 10 <b>≏</b> 49  | 21°43         | 13°15         | 27° 8          | 27°23           | 11°46  | 13°23  | 0°58           | 2°51  | 17°19  | 17° 7 | 9°55           | 21°41         | S 15 |
| M16  | 21 33 13 | 22° 2'58         | 24°37           | 23°43         | 14°29         | 27°48          | 27°18           | 11°53  | 13°21  | 1° 0           | 2°52  | 17°18  | 17° 3 | 10° 2          | 21°39         | M16  |
| T 17 | 21 37 10 | 23° 0'39         | 8 <b>M</b> .36  | 25°42         | 15°43         | 28°27          | 27°13           | 11°59  | 13°19  | 1° 2           | 2°53  | 17°18  | 17° 0 | 10° 9          | 21°36         | T 17 |
| W18  | 21 41 6  | 23°58'21         | 22°43           | 27°41         | 16°57         | 29° 6          | 27° 7           | 12° 6  | 13°16  | 1° 4           | 2°54  | 17°D18 | 16°57 | 10°15          | 21°34         | W18  |
| T 19 | 21 45 3  | 24°56'04         | 6 <b>才</b> 57   | 29°38         | 18°11         | 29°45          | 27° 2           | 12°12  | 13°14  | 1° 6           | 2°55  | 17°18  | 16°54 | 10°22          | 21°31         | T 19 |
| F 20 | 21 48 59 | 25°53'48         | 21°16           | 1 <b>m</b> 33 | 19°26         | 09୍ଦ24         | 26°56           | 12°19  | 13°12  | 1° 9           | 2°56  | 17°19  | 16°51 | 10°29          | 21°29         | F 20 |
| S 21 | 21 52 56 | 26°51'33         | 5 <b>궁</b> 36   | 3°28          | 20°40         | 1° 3           | 26°50           | 12°25  | 13° 9  | 1°11           | 2°57  | 17°19  | 16°48 | 10°35          | 21°27         | S 21 |
| S 22 | 21 56 53 | 27°49'20         | 19°54           | 5°21          | 21°54         | 1°42           | 26°44           | 12°31  | 13° 7  | 1°13           | 2°58  | 17°20  | 16°44 | 10°42          | 21°24         | S 22 |
| M23  | 22 0 49  | 28°47'08         | 4≈ 6            | 7°12          | 23° 8         | 2°20           | 26°38           | 12°37  | 13° 5  | 1°15           | 2°59  | 17°21  | 16°41 | 10°49          | 21°22         | M23  |
| T 24 | 22 4 46  | 29°44'56         | 18° 8           | 9° 3          | 24°22         | 2°59           | 26°32           | 12°44  | 13° 2  | 1°17           | 3° 0  | 17°R21 | 16°38 | 10°56          | 21°19         | T 24 |
| W25  | 22 8 42  | 0 <b>m</b> 42'47 | 1 <b>) (</b> 57 | 10°52         | 25°37         | 3°38           | 26°26           | 12°50  | 13° 0  | 1°19           | 3° 1  | 17°21  | 16°35 | 11° 2          | 21°17         | W25  |
| T 26 | 22 12 39 | 1°40'38          | 15°29           | 12°39         | 26°51         | 4°16           | 26°19           | 12°56  | 12°58  | 1°21           | 3° 2  | 17°20  | 16°32 | 11° 9          | 21°14         | T 26 |
| F 27 | 22 16 35 | 2°38'32          | 28°43           | 14°26         | 28° 5         | 4°54           | 26°13           | 13° 2  | 12°56  | 1°23           | 3° 3  | 17°18  | 16°29 | 11°16          | 21°12         | F 27 |
| S 28 | 22 20 32 | 3°36'27          | 11 <b>Y</b> 38  | 16°11         | 29°19         | 5°33           | 26° 6           | 13° 8  | 12°53  | 1°25           | 3° 3  | 17°16  | 16°25 | 11°22          | 21° 9         | S 28 |
| S 29 | 22 24 28 | 4°34'23          | 24°15           | 17°54         | 0 <b>m</b> 34 | 6°11           | 25°59           | 13°14  | 12°51  | 1°26           | 3° 4  | 17°13  | 16°22 | 11°29          | 21° 6         | S 29 |
| M30  | 22 28 25 | 5°32'22          | 6 <b>8</b> 35   | 19°37         | 1°48          | 6°49           | 25°52           | 13°19  | 12°49  | 1°28           | 3° 5  | 17°11  | 16°19 | 11°36          | 21° 4         | M30  |
| T 31 | 22 32 22 | 6 Mp 30'22       | 18843           | 21 Mp 18      | 3 Mp 2        | 79527          | 25 <b>)</b> (45 | 139525 | 12≈47  | 1 <b>Q</b> 30  | 395 6 | 17≈ 9  | 16≈16 | 11 <b>Ⅱ</b> 43 | 21 <b>米</b> 1 | T 31 |

Delta T = 18.09 sec

SEPTEMBER 1915 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | Q              | ♂            | 4              | ħ      | )f(    | 井             | Р              | ß              | v     | ţ              | Š.             | Day  |
|------|----------|------------------|----------------|----------------|----------------|--------------|----------------|--------|--------|---------------|----------------|----------------|-------|----------------|----------------|------|
| W 1  | 22 36 18 | 7 <b>m</b> 28'25 | 0 <b>Ⅱ</b> 41  | 22 <b>m</b> 58 | 4 Mp 17        | 8 <b>9</b> 5 | 25°R38         | 13931  | 12°R45 | 1 <b>Q</b> 32 | 3 <b>9</b> 5 7 | 17°R 8         | 16≈13 | 11 <b>∏</b> 49 | 20°R58         | W 1  |
| T 2  | 22 40 15 | 8°26'29          | 12°33          | 24°36          | 5°31           | 8°42         | 25 <b>米</b> 31 | 13°36  | 12≈43  | 1°34          | 3° 7           | 17°D 8         | 16° 9 | 11°56          | 20 <b>米</b> 56 | T 2  |
| F 3  | 22 44 11 | 9°24'35          | 24°26          | 26°14          | 6°46           | 9°20         | 25°23          | 13°42  | 12°41  | 1°36          | 3° 8           | 17 <b>≈</b> 9  | 16° 6 | 12° 3          | 20°53          | F 3  |
| S 4  | 22 48 8  | 10°22'44         | 6924           | 27°50          | 8° 0           | 9°58         | 25°16          | 13°47  | 12°39  | 1°38          | 3° 9           | 17°10          | 16° 3 | 12° 9          | 20°50          | S 4  |
| S 5  | 22 52 4  | 11°20'54         | 18°30          | 29°25          | 9°15           | 10°35        | 25° 8          | 13°53  | 12°37  | 1°40          | 3° 9           | 17°12          | 16° 0 | 12°16          | 20°48          | S 5  |
| M 6  | 22 56 1  | 12°19'06         | 0 <b>Ω</b> 50  | ე <u>ჲ</u> 58  | 10°29          | 11°12        | 25° 1          | 13°58  | 12°35  | 1°41          | 3°10           | 17°13          | 15°57 | 12°23          | 20°45          | M 6  |
| T 7  | 22 59 57 | 13°17'20         | 13°26          | 2°31           | 11°44          | 11°50        | 24°53          | 14° 3  | 12°33  | 1°43          | 3°11           | 17°R14         | 15°54 | 12°30          | 20°42          | T 7  |
| W 8  | 23 3 54  | 14°15'35         | 26°20          | 4° 2           | 12°58          | 12°27        | 24°45          | 14° 9  | 12°31  | 1°45          | 3°11           | 17°14          | 15°50 | 12°36          | 20°40          | W 8  |
| T 9  | 23 7 51  | 15°13'53         | 9 <b>₥</b> 34  | 5°32           | 14°13          | 13° 4        | 24°38          | 14°14  | 12°29  | 1°47          | 3°12           | 17°12          | 15°47 | 12°43          | 20°37          | T 9  |
| F 10 | 23 11 47 | 16°12'13         | 23° 7          | 7° 1           | 15°27          | 13°41        | 24°30          | 14°19  | 12°27  | 1°48          | 3°12           | 17° 9          | 15°44 | 12°50          | 20°34          | F 10 |
| S 11 | 23 15 44 | 17°10'34         | 6 <b>≏</b> 57  | 8°29           | 16°42          | 14°18        | 24°22          | 14°24  | 12°25  | 1°50          | 3°13           | 17° 5          | 15°41 | 12°56          | 20°31          | S 11 |
| S 12 | 23 19 40 | 18° 8'57         | 21° 0          | 9°55           | 17°57          | 14°54        | 24°14          | 14°28  | 12°23  | 1°52          | 3°13           | 17° 1          | 15°38 | 13° 3          | 20°28          | S 12 |
| M13  | 23 23 37 | 19° 7'21         | 5 <b>M</b> 12  | 11°21          | 19°11          | 15°31        | 24° 6          | 14°33  | 12°22  | 1°53          | 3°14           | 16°56          | 15°35 | 13°10          | 20°26          | M13  |
| T 14 | 23 27 33 | 20° 5'48         | 19°28          | 12°45          | 20°26          | 16° 7        | 23°58          | 14°38  | 12°20  | 1°55          | 3°14           | 16°52          | 15°31 | 13°16          | 20°23          | T 14 |
| W15  | 23 31 30 | 21° 4'16         | 3 <b>.</b> ₹46 | 14° 7          | 21°40          | 16°44        | 23°50          | 14°43  | 12°18  | 1°57          | 3°15           | 16°49          | 15°28 | 13°23          | 20°20          | W15  |
| T 16 | 23 35 26 | 22° 2'45         | 18° 0          | 15°29          | 22°55          | 17°20        | 23°42          | 14°47  | 12°17  | 1°58          | 3°15           | 16°D48         | 15°25 | 13°30          | 20°17          | T 16 |
| F 17 | 23 39 23 | 23° 1'16         | 2 <b>る</b> 9   | 16°49          | 24°10          | 17°56        | 23°34          | 14°52  | 12°15  | 2° 0          | 3°16           | 16°48          | 15°22 | 13°37          | 20°15          | F 17 |
| S 18 | 23 43 20 | 23°59'49         | 16°12          | 18° 7          | 25°24          | 18°32        | 23°26          | 14°56  | 12°13  | 2° 1          | 3°16           | 16°50          | 15°19 | 13°43          | 20°12          | S 18 |
| S 19 | 23 47 16 | 24°58'24         | 0≈ 6           | 19°24          | 26°39          | 19°8         | 23°18          | 15° 0  | 12°12  | 2° 3          | 3°16           | 16°51          | 15°15 | 13°50          | 20° 9          | S 19 |
| M20  | 23 51 13 | 25°57'00         | 13°52          | 20°40          | 27°54          | 19°43        | 23°10          | 15° 4  | 12°10  | 2° 4          | 3°17           | 16°R52         | 15°12 | 13°57          | 20° 6          | M20  |
| T 21 | 23 55 9  | 26°55'37         | 27°27          | 21°54          | 29° 9          | 20°19        | 23° 2          | 15° 8  | 12° 9  | 2° 6          | 3°17           | 16°51          | 15° 9 | 14° 3          | 20° 4          | T 21 |
| W22  | 23 59 6  | 27°54'17         | 10 <b>米</b> 52 | 23° 7          | 0 <b>ჲ</b> 23  | 20°55        | 22°54          | 15°12  | 12° 7  | 2° 7          | 3°17           | 16°49          | 15° 6 | 14°10          | 20° 1          | W22  |
| T 23 | 0 3 2    | 28°52'58         | 24° 4          | 24°17          | 1°38           | 21°30        | 22°46          | 15°16  | 12° 6  | 2° 9          | 3°18           | 16°45          | 15° 3 | 14°17          | 19°58          | T 23 |
| F 24 | 0 6 59   | 29°51'41         | 7 <b>℃</b> 3   | 25°26          | 2°53           | 22° 5        | 22°38          | 15°20  | 12° 5  | 2°10          | 3°18           | 16°39          | 15° 0 | 14°24          | 19°56          | F 24 |
| S 25 | 0 10 55  | 0 <b>≏</b> 50'27 | 19°47          | 26°33          | 4° 8           | 22°40        | 22°31          | 15°24  | 12° 3  | 2°11          | 3°18           | 16°31          | 14°56 | 14°30          | 19°53          | S 25 |
| S 26 | 0 14 52  | 1°49'14          | 2 <b>8</b> 17  | 27°38          | 5°22           | 23°15        | 22°23          | 15°28  | 12° 2  | 2°13          | 3°18           | 16°23          | 14°53 | 14°37          | 19°50          | S 26 |
| M27  | 0 18 48  | 2°48'04          | 14°34          | 28°40          | 6°37           | 23°50        | 22°15          | 15°31  | 12° 1  | 2°14          | 3°18           | 16°15          | 14°50 | 14°44          | 19°47          | M27  |
| T 28 | 0 22 45  | 3°46'55          | 26°39          | 29°40          | 7°52           | 24°25        | 22° 7          | 15°35  | 11°59  | 2°15          | 3°19           | 16° 8          | 14°47 | 14°50          | 19°45          | T 28 |
| W29  | 0 26 42  | 4°45'49          | 8 <b>∐</b> 36  | 0 <b>M</b> .38 | 9° 7           | 25° 0        | 22° 0          | 15°38  | 11°58  | 2°16          | 3°19           | 16° 2          | 14°44 | 14°57          | 19°42          | W29  |
| T 30 | 0 30 38  | 5 <b>≏</b> 44'46 | 20 <b>Ⅱ</b> 27 | 1 <b>M</b> 32  | 10 <b>≏</b> 21 | 25934        | 21 <b>米</b> 52 | 159541 | 11≈57  | 2 <b>Ω</b> 18 | 39519          | 15 <b>≈</b> 59 | 14≈40 | 15 <b>Ⅱ</b> 4  | 19 <b>米</b> 40 | T 30 |

Delta T = 18.18 sec

OCTOBER 1915 00:00 UT

| Day  | Sid.t   | 0                | 9               | ğ              | φ              | ♂             | 4              | ħ      | )ţ(            | ¥             | Р     | ß              | Ω     | Ç              | ķ                | Day  |
|------|---------|------------------|-----------------|----------------|----------------|---------------|----------------|--------|----------------|---------------|-------|----------------|-------|----------------|------------------|------|
| F 1  | 0 34 35 | 6 <b>₽</b> 43'44 | 29518           | 2M24           | 11 <b>≏</b> 36 | 2695 8        | 21°R45         | 159544 | 11°R56         | 2 <b>Ω</b> 19 | 39519 | 15°D57         | 14≈37 | 15 <b>Ⅱ</b> 10 | 19°R37           | F 1  |
| S 2  | 0 38 31 | 7°42'45          | 14°14           | 3°12           | 12°51          | 26°42         | 21 <b>)</b> 37 | 15°47  | 11≈55          | 2°20          | 3°19  | 15≈57          | 14°34 | 15°17          | 19 <b>) (</b> 34 | S 2  |
| S 3  | 0 42 28 | 8°41'48          | 26°19           | 3°57           | 14° 6          | 27°17         | 21°30          | 15°50  | 11°54          | 2°21          | 3°19  | 15°58          | 14°31 | 15°24          | 19°32            | S 3  |
| M 4  | 0 46 24 | 9°40'54          | 8 <b>Ω</b> 39   | 4°37           | 15°21          | 27°50         | 21°23          | 15°53  | 11°53          | 2°22          | 3°19  | 15°59          | 14°28 | 15°31          | 19°29            | M 4  |
| T 5  | 0 50 21 | 10°40'02         | 21°19           | 5°14           | 16°36          | 28°24         | 21°16          | 15°56  | 11°52          | 2°23          | 3°R19 | 15°R59         | 14°25 | 15°37          | 19°27            | T 5  |
| W 6  | 0 54 17 | 11°39'12         | 4 Mp 21         | 5°45           | 17°51          | 28°58         | 21° 9          | 15°59  | 11°51          | 2°24          | 3°19  | 15°58          | 14°21 | 15°44          | 19°24            | W 6  |
| T 7  | 0 58 14 | 12°38'24         | 17°48           | 6°12           | 19° 5          | 29°31         | 21° 2          | 16° 1  | 11°51          | 2°25          | 3°19  | 15°54          | 14°18 | 15°51          | 19°22            | T 7  |
| F 8  | 1 2 11  | 13°37'38         | 1 <b>≏</b> 40   | 6°33           | 20°20          | 0 <b>Ω</b> 4  | 20°55          | 16° 4  | 11°50          | 2°26          | 3°19  | 15°47          | 14°15 | 15°57          | 19°19            | F 8  |
| S 9  | 1 6 7   | 14°36'54         | 15°54           | 6°48           | 21°35          | 0°38          | 20°48          | 16° 6  | 11°49          | 2°27          | 3°19  | 15°39          | 14°12 | 16° 4          | 19°17            | S 9  |
| S 10 | 1 10 4  | 15°36'13         | 0 <b>M</b> 25   | 6°57           | 22°50          | 1°11          | 20°42          | 16° 8  | 11°49          | 2°28          | 3°19  | 15°30          | 14° 9 | 16°11          | 19°14            | S 10 |
| M11  | 1 14 0  | 16°35'33         | 15° 5           | 6°R58          | 24° 5          | 1°43          | 20°35          | 16°10  | 11°48          | 2°29          | 3°19  | 15°20          | 14° 6 | 16°17          | 19°12            | M11  |
| T 12 | 1 17 57 | 17°34'56         | 29°47           | 6°52           | 25°20          | 2°16          | 20°29          | 16°13  | 11°47          | 2°30          | 3°19  | 15°11          | 14° 2 | 16°24          | 19°10            | T 12 |
| W13  | 1 21 53 | 18°34'20         | 14 <b>×</b> 124 | 6°39           | 26°35          | 2°48          | 20°23          | 16°14  | 11°47          | 2°31          | 3°18  | 15° 5          | 13°59 | 16°31          | 19° 7            | W13  |
| T 14 | 1 25 50 | 19°33'46         | 28°51           | 6°17           | 27°50          | 3°21          | 20°17          | 16°16  | 11°46          | 2°31          | 3°18  | 15° 1          | 13°56 | 16°38          | 19° 5            | T 14 |
| F 15 | 1 29 46 | 20°33'14         | 13 <b>る</b> 3   | 5°47           | 29° 5          | 3°53          | 20°11          | 16°18  | 11°46          | 2°32          | 3°18  | 14°59          | 13°53 | 16°44          | 19° 3            | F 15 |
| S 16 | 1 33 43 | 21°32'44         | 26°59           | 5° 8           | 0 <b>M</b> 20  | 4°25          | 20° 5          | 16°20  | 11°46          | 2°33          | 3°18  | 14°D59         | 13°50 | 16°51          | 19° 1            | S 16 |
| S 17 | 1 37 40 | 22°32'15         | 10≈40           | 4°21           | 1°35           | 4°56          | 19°59          | 16°21  | 11°45          | 2°34          | 3°17  | 14°R59         | 13°46 | 16°58          | 18°58            | S 17 |
| M18  | 1 41 36 | 23°31'48         | 24° 7           | 3°26           | 2°50           | 5°28          | 19°54          | 16°22  | 11°45          | 2°34          | 3°17  | 14°59          | 13°43 | 17° 4          | 18°56            | M18  |
| T 19 | 1 45 33 | 24°31'22         | 7 <b>∺</b> 21   | 2°24           | 4° 4           | 5°59          | 19°49          | 16°24  | 11°45          | 2°35          | 3°17  | 14°57          | 13°40 | 17°11          | 18°54            | T 19 |
| W20  | 1 49 29 | 25°30'59         | 20°22           | 1°16           | 5°19           | 6°30          | 19°44          | 16°25  | 11°45          | 2°36          | 3°16  | 14°52          | 13°37 | 17°18          | 18°52            | W20  |
| T 21 | 1 53 26 | 26°30'37         | 3 <b>Υ</b> 13   | 0° 4           | 6°34           | 7° 1          | 19°39          | 16°26  | 11°45          | 2°36          | 3°16  | 14°45          | 13°34 | 17°24          | 18°50            | T 21 |
| F 22 | 1 57 22 | 27°30'17         | 15°53           | 28 <u>₽</u> 49 | 7°49           | 7°32          | 19°34          | 16°27  | 11°44          | 2°37          | 3°16  | 14°34          | 13°31 | 17°31          | 18°48            | F 22 |
| S 23 | 2 1 19  | 28°29'59         | 28°23           | 27°34          | 9° 4           | 8° 3          | 19°29          | 16°28  | 11°D44         | 2°37          | 3°15  | 14°22          | 13°27 | 17°38          | 18°46            | S 23 |
| S 24 | 2 5 15  | 29°29'43         | 10842           | 26°21          | 10°19          | 8°33          | 19°25          | 16°28  | 11°44          | 2°38          | 3°15  | 14° 9          | 13°24 | 17°45          | 18°44            | S 24 |
| M25  | 2 9 12  | 0M29'29          | 22°51           | 25°11          | 11°34          | 9° 3          | 19°21          | 16°29  | 11°45          | 2°38          | 3°14  | 13°55          | 13°21 | 17°51          | 18°42            | M25  |
| T 26 | 2 13 9  | 1°29'18          | 4 <b>Ⅱ</b> 52   | 24° 8          | 12°49          | 9°33          | 19°17          | 16°30  | 11°45          | 2°38          | 3°14  | 13°43          | 13°18 | 17°58          | 18°40            | T 26 |
| W27  | 2 17 5  | 2°29'08          | 16°45           | 23°13          | 14° 4          | 10° 3         | 19°13          | 16°30  | 11°45          | 2°39          | 3°13  | 13°33          | 13°15 | 18° 5          | 18°39            | W27  |
| T 28 | 2 21 2  | 3°29'01          | 28°35           | 22°28          | 15°19          | 10°33         | 19° 9          | 16°30  | 11°45          | 2°39          | 3°13  | 13°25          | 13°12 | 18°11          | 18°37            | T 28 |
| F 29 | 2 24 58 | 4°28'55          | 10924           | 21°53          | 16°34          | 11° 2         | 19° 6          | 16°30  | 11°45          | 2°39          | 3°12  | 13°21          | 13° 8 | 18°18          | 18°35            | F 29 |
| S 30 | 2 28 55 | 5°28'52          | 22°17           | 21°30          | 17°49          | 11°31         | 19° 2          | 16°R30 | 11°46          | 2°40          | 3°12  | 13°18          | 13° 5 | 18°25          | 18°34            | S 30 |
| S 31 | 2 32 51 | 6ML28'51         | 4 <b>Ω</b> 19   | 21 <b>≏</b> 18 | 19ጤ 4          | 12 <b>0</b> 0 | 18 <b>∺</b> 59 | 16930  | 11 <b>≈</b> 46 | 2 <b>Ω</b> 40 | 39911 | 13 <b>≈</b> 18 | 13≈ 2 | 18耳31          | 18 <b>∺</b> 32   | S 31 |

Delta T = 18.26 sec

NOVEMBER 1915 00:00 UT

| Day          | Sid.t              | 0                    | D                      | ğ              | φ               | ♂              | 4              | ħ              | )ұ(            | ¥             | Р            | ß              | v              | Ç               | ę,             | Day          |
|--------------|--------------------|----------------------|------------------------|----------------|-----------------|----------------|----------------|----------------|----------------|---------------|--------------|----------------|----------------|-----------------|----------------|--------------|
| M 1          | 2 36 48            | 7 <b>M</b> 28'52     | 16 <b>Ω</b> 35         | 21°D17         | 20 <b>M</b> .19 | 12\$\Omega29\$ | 18°R56         | 16°R30         | 11≈47          | 2 <b>Ω</b> 40 | 3°R11        | 13°R18         | 12≈59          | 18∏38           | 18°R30         | M 1          |
| T 2          | 2 40 44            | 8°28'55              | 29°12                  | 21 <b>≏</b> 28 | 21°34           | 12°57          | 18 <b>米</b> 54 | 16930          | 11°47          | 2°40          | 39910        | 13≈17          | 12°56          | 18°45           | 18 <b>∺</b> 29 | T 2          |
| W 3          | 2 44 41            | 9°29'01              | 12 <b>m</b> 13         | 21°49          | 22°49           | 13°26          | 18°51          | 16°30          | 11°48          | 2°40          | 3°10         | 13°15          | 12°52          | 18°52           | 18°27          | W 3          |
| T 4          | 2 48 38            | 10°29'08             | 25°42                  | 22°20          | 24° 4           | 13°53          | 18°49          | 16°29          | 11°48          | 2°40          | 3° 9         | 13°10          | 12°49          | 18°58           | 18°26          | T 4          |
| F 5          | 2 52 34            | 11°29'18             | 9 <u>₽</u> 40          | 22°59          | 25°19           | 14°21          | 18°47          | 16°28          | 11°49          | 2°40          | 3° 8         | 13° 2          | 12°46          | 19° 5           | 18°24          | F 5          |
| S 6          | 2 56 31            | 12°29'29             | 24° 6                  | 23°47          | 26°33           | 14°49          | 18°45          | 16°28          | 11°50          | 2°R40         | 3° 8         | 12°52          | 12°43          | 19°12           | 18°23          | S 6          |
| S 7          | 3 0 27             | 13°29'42             | 8 <b>M</b> .55         | 24°41          | 27°48           | 15°16          | 18°43          | 16°27          | 11°50          | 2°40          | 3° 7         | 12°41          | 12°40          | 19°18           | 18°22          | S 7          |
| M 8          | 3 4 24             | 14°29'58             | 23°57                  | 25°42          | 29° 3           | 15°43          | 18°41          | 16°26          | 11°51          | 2°40          | 3° 6         | 12°29          | 12°37          | 19°25           | 18°21          | M 8          |
| T 9          | 3 8 20             | 15°30'15             | 9 <b>.</b> 7 4         | 26°48          | 0 <b>∡</b> 18   | 16° 9          | 18°40          | 16°25          | 11°52          | 2°40          | 3° 5         | 12°18          | 12°33          | 19°32           | 18°19          | T 9          |
| W10          | 3 12 17            | 16°30'34             | 24° 5                  | 27°59          | 1°33            | 16°36          | 18°39          | 16°24          | 11°53          | 2°40          | 3° 5         | 12° 9          | 12°30          | 19°38           | 18°18          | W10          |
| T 11<br>F 12 | 3 16 13<br>3 20 10 | 17°30'54<br>18°31'15 | 8 <b>전</b> 51<br>23°17 | 29°14<br>0MJ33 | 2°48<br>4° 3    | 17° 2<br>17°27 | 18°38<br>18°37 | 16°22<br>16°21 | 11°54<br>11°55 | 2°40<br>2°40  | 3° 4<br>3° 3 | 12° 4<br>12° 1 | 12°27<br>12°24 | 19°45<br>19°52  | 18°17<br>18°16 | T 11<br>F 12 |
| S 13         | 3 20 10            | 18°31'13<br>19°31'38 | 23°17<br>7 <b>≈</b> 21 | 1°54           | 5°18            | 17°53          | 18°37          | 16°21          | 11°56          | 2°40          | 3° 2         | 12° 1          | 12°24<br>12°21 | 19°52<br>19°59  | 18°15          | S 13         |
|              | -                  |                      |                        | _              |                 |                |                |                |                |               |              | _              |                |                 |                |              |
| S 14         | 3 28 3             | 20°32'03             | 21° 2                  | 3°18           | 6°33            | 18°18          | 18°37          | 16°18          | 11°57          | 2°39          | 3° 1         | 12° 0          | 12°18          | 20° 5           | 18°14          | S 14         |
| M15          | 3 32 0             | 21°32'28             | 4 <b>)</b> €22         | 4°44           | 7°48            | 18°43          | 18°D37         | 16°16          | 11°58          | 2°39          | 3° 0         | 12° 0          | 12°14          | 20°12           | 18°13          | M15          |
| T 16         | 3 35 56            | 22°32'55             | 17°24                  | 6°11           | 9° 3            | 19° 7          | 18°37          | 16°14          | 11°59          | 2°39          | 3° 0         | 11°57          | 12°11          | 20°19           | 18°13          | T 16         |
| W17          | 3 39 53            | 23°33'23             | 0 <b>Υ</b> 11          | 7°40           | 10°18           | 19°31          | 18°37          | 16°12          | 12° 1          | 2°38          | 2°59         | 11°53          | 12° 8          | 20°25           | 18°12          | W17          |
| T 18<br>F 19 | 3 43 49<br>3 47 46 | 24°33'53<br>25°34'24 | 12°45<br>25° 9         | 9°10<br>10°41  | 11°33<br>12°48  | 19°55<br>20°19 | 18°38<br>18°38 | 16°10<br>16° 8 | 12° 2<br>12° 3 | 2°38<br>2°38  | 2°58<br>2°57 | 11°45<br>11°34 | 12° 5<br>12° 2 | 20°32<br>20°39  | 18°11<br>18°10 | T 18<br>F 19 |
| S 20         | 3 51 42            | 25°34'56             | 7 <b>8</b> 24          | 10 41<br>12°13 | 14° 3           | 20°42          | 18°39          | 16° 6          | 12° 5          | 2°37          | 2°56         | 11°22          | 11°58          | 20°45           | 18°10          | S 20         |
|              |                    |                      | _                      |                | _               | -              |                |                |                |               |              |                |                |                 |                |              |
| S 21         | 3 55 39            | 27°35'30             | 19°31                  | 13°46          | 15°18           | 21° 5          | 18°41          | 16° 3          | 12° 6          | 2°37          | 2°55         | 11° 8          | 11°55          | 20°52           | 18° 9          | S 21         |
| M22          | 3 59 36            | 28°36'05             | 1 <b>Ⅱ</b> 32          | 15°19          | 16°33           | 21°27          | 18°42          | 16° 1          | 12° 8          | 2°36          | 2°54         | 10°54          | 11°52          | 20°59           | 18° 9          | M22          |
| T 23         | 4 3 32             | 29°36'42             | 13°27                  | 16°52          | 17°48           | 21°50          | 18°44          | 15°58          | 12° 9          | 2°36          | 2°53         | 10°41          | 11°49          | 21° 5           | 18° 8          | T 23         |
| W24          | 4 7 29             | 0 <b>₹</b> 37'20     | 25°18                  | 18°25          | 19° 3           | 22°11          | 18°45          | 15°56          | 12°11          | 2°35          | 2°52         | 10°31          | 11°46          | 21°12           | 18° 8          | W24          |
| T 25<br>F 26 | 4 11 25<br>4 15 22 | 1°38'00<br>2°38'41   | 7 <b>95</b> 6<br>18°55 | 19°59<br>21°33 | 20°18<br>21°32  | 22°33<br>22°54 | 18°47<br>18°50 | 15°53<br>15°50 | 12°12<br>12°14 | 2°34<br>2°34  | 2°51<br>2°50 | 10°23<br>10°18 | 11°43<br>11°39 | 21°19<br>21°26  | 18° 8<br>18° 7 | T 25<br>F 26 |
| S 27         | 4 15 22 4 19 18    | 3°39'24              | 0 <b>Ω</b> 48          | 21°33<br>23° 7 | 21°32<br>22°47  | 22°54<br>23°14 | 18°52          | 15°47          | 12°14<br>12°16 | 2°34<br>2°33  | 2°49         | 10°18          | 11°36          | 21°32           | 18° 7          | S 27         |
|              |                    |                      |                        |                |                 |                |                |                | -              |               |              |                |                |                 |                |              |
| S 28         | 4 23 15            | 4°40'08              | 12°49                  | 24°41          | 24° 2           | 23°35          | 18°54          | 15°44          | 12°18          | 2°32          | 2°48         | 10°D15         | 11°33          | 21°39           | 18° 7          | S 28         |
| M29          | 4 27 11            | 5°40'54              | 25° 3                  | 26°15          | 25°17           | 23°54          | 18°57          | 15°41          | 12°19          | 2°32          | 2°47         | 10°16          | 11°30          | 21°46           | 18° 7          | M29          |
| T 30         | 4 31 8             | 6 <b>√</b> 41'41     | 7 <b>m</b> 35          | 27 <b>M</b> 49 | 26 <b>₹</b> 32  | 24Ω14          | 19 <b>米</b> 0  | 15938          | 12≈21          | 2 <b>Ω</b> 31 | 29546        | 10°R16         | 11≈27          | 21 <b>II</b> 52 | 18°D 7         | T 30         |

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| Day         | Sid.t              | 0                                       | D                       | ğ                       | φ                     | ♂                       | 4                      | ħ              | )∤(                     | ¥                 | Р            | ß                      | ß                     | Ç              | ģ              | Day         |
|-------------|--------------------|---|-------------------------|-------------------------|-----------------------|-------------------------|------------------------|----------------|-------------------------|-------------------|--------------|------------------------|-----------------------|----------------|----------------|-------------|
| W 1         | 4 35 5             | 7 <b>∡</b> ¹42'30                       | 20 <b>m</b> 30          | 29 <b>M</b> 24          | 27 <b>×</b> 747       | 24€33                   | 19 <b>)</b> 3          | 15°R35         | 12≈23                   | 2°R30             | 2°R45        | 10°R15                 | 11≈24                 | 21耳59          | 18 <b>)</b> 7  | W 1         |
| T 2         | 4 39 1             | 8°43'20                                 | 3 <b>≏</b> 52           | 0 <b>才</b> 58           | 2 <u>9°</u> 2         | 24°51                   | 19° 7                  | 15931          | 12°25                   | $2\Omega$ 29      | 29544        | 10≈12                  | 11°20                 | 22° 6          | 18° 7          | T 2         |
| F 3         | 4 42 58            | 9°44'12                                 | 17°44                   | 2°32                    | 0 <b>궁</b> 17         | 25° 9                   | 19°10                  | 15°28          | 12°27                   | 2°28              | 2°43         | 10° 7                  | 11°17                 | 22°12          | 18° 7          | F 3         |
| S 4         | 4 46 54            | 10°45'05                                | 2 <b>M</b> 6            | 4° 6                    | 1°32                  | 25°27                   | 19°14                  | 15°24          | 12°29                   | 2°27              | 2°42         | 10° 0                  | 11°14                 | 22°19          | 18° 7          | S 4         |
| S 5         | 4 50 51            | 11°45'59                                | 16°54                   | 5°40                    | 2°47                  | 25°44                   | 19°18                  | 15°21          | 12°31                   | 2°27              | 2°41         | 9°51                   | 11°11                 | 22°26          | 18° 7          | S 5         |
| M 6         | 4 54 47            | 12°46'55                                | 2 <b>7</b> 2            | 7°14                    | 4° 1                  | 26° 1                   | 19°22                  | 15°17          | 12°33                   | 2°26              | 2°39         | 9°41                   | 11° 8                 | 22°32          | 18° 8          | M 6         |
| T 7         | 4 58 44            | 13°47'52                                | 17°20                   | 8°48                    | 5°16                  | 26°17                   | 19°27                  | 15°13          | 12°35                   | 2°25              | 2°38         | 9°33                   | 11° 4                 | 22°39          | 18° 8          | T 7         |
| W 8<br>T 9  | 5 2 41             | 14°48'50<br>15°49'48                    | 2 <b>る</b> 37<br>17°41  | 10°22<br>11°56          | 6°31<br>7°46          | 26°32<br>26°48          | 19°31<br>19°36         | 15° 9<br>15° 5 | 12°38<br>12°40          | 2°24<br>2°23      | 2°37<br>2°36 | 9°26<br>9°22           | 11° 1<br>10°58        | 22°46          | 18° 9<br>18° 9 | W 8<br>T 9  |
| F 10        | 5 6 37<br>5 10 34  | 15°49'48<br>16°50'48                    | 1/°41<br>2 <b>≈</b> 25  | 13°30                   | 9° 1                  | 20°48<br>27° 2          | 19°36<br>19°41         | 15° 5          | 12°40<br>12°42          | 2°23              | 2°35         | 9°22<br>9°20           | 10°58<br>10°55        | 22°52<br>22°59 | 18° 9          | F 10        |
| S 11        | 5 14 30            | 10°50'48                                | 16°44                   | 15° 4                   | 10°16                 | 27°16                   | 19°46                  | 14°57          | 12°45                   | 2°20              | 2°34         | 9°D20                  | 10°52                 | 23° 6          | 18°10          | S 11        |
|             |                    |   |                         |                         |                       |                         |                        |                |                         |                   |              |                        | 10°49                 |                |                |             |
| S 12<br>M13 | 5 18 27<br>5 22 23 | 18°52'48<br>19°53'49                    | 0 <b>米</b> 36<br>14°2   | 16°39<br>18°13          | 11°31<br>12°45        | 27°30<br>27°43          | 19°51<br>19°57         | 14°53<br>14°49 | 12°47<br>12°49          | 2°19<br>2°18      | 2°33<br>2°31 | 9°21<br>9°R22          | 10°49<br>10°45        | 23°13<br>23°19 | 18°11<br>18°11 | S 12<br>M13 |
| T 14        | 5 26 20            | 20°54'51                                | 27° 4                   | 19°47                   | 12 43<br>14° 0        | 27°55                   | 20° 2                  | 14°45          | 12°52                   | 2°17              | 2°30         | 9°22                   | 10°43                 | 23°26          | 18°12          | T 14        |
| W15         | 5 30 16            | 21°55'53                                | 9 <b>Υ</b> 46           | 21°22                   | 15°15                 | 28° 7                   | 20° 8                  | 14°40          | 12°54                   | 2°16              | 2°29         | 9°20                   | 10°39                 | 23°33          | 18°13          | W15         |
| T 16        | 5 34 13            | 22°56'55                                | 22°13                   | 22°56                   | 16°30                 | 28°18                   | 20°14                  | 14°36          | 12°57                   | 2°15              | 2°28         | 9°16                   | 10°36                 | 23°39          | 18°14          | T 16        |
| F 17        | 5 38 10            | 23°57'58                                | 4827                    | 24°31                   | 17°45                 | 28°29                   | 20°20                  | 14°31          | 12°59                   | 2°13              | 2°27         | 9°10                   | 10°33                 | 23°46          | 18°15          | F 17        |
| S 18        | 5 42 6             | 24°59'01                                | 16°31                   | 26° 5                   | 18°59                 | 28°39                   | 20°27                  | 14°27          | 13° 2                   | 2°12              | 2°25         | 9° 2                   | 10°30                 | 23°53          | 18°16          | S 18        |
| S 19        | 5 46 3             | 26° 0'05                                | 28°29                   | 27°40                   | 20°14                 | 28°48                   | 20°33                  | 14°22          | 13° 4                   | 2°11              | 2°24         | 8°54                   | 10°26                 | 23°59          | 18°17          | S 19        |
| M20         | 5 49 59            | 27° 1'10                                | 10Ⅲ23                   | 29°15                   | 21°29                 | 28°57                   | 20°40                  | 14°18          | 13° 7                   | 2°10              | 2°23         | 8°45                   | 10°23                 | 24° 6          | 18°18          | M20         |
| T 21        | 5 53 56            | 28° 2'14                                | 22°14                   | 0 <b>궁</b> 51           | 22°43                 | 29° 5                   | 20°47                  | 14°13          | 13°10                   | 2° 8              | 2°22         | 8°37                   | 10°20                 | 24°13          | 18°19          | T 21        |
| W22         | 5 57 52            | 2 <u>9°</u> 3'20                        | 499 4                   | 2°26                    | 23°58                 | 29°13                   | 20°54                  | 14° 9          | 13°12                   | 2° 7              | 2°21         | 8°31                   | 10°17                 | 24°19          | 18°20          | W22         |
| T 23        | 6 1 49             | 0중 4'25                                 | 15°55                   | 4° 2                    | 25°13                 | 29°20                   | 21° 1                  | 14° 4          | 13°15                   | 2° 6              | 2°19         | 8°26                   | 10°14                 | 24°26          | 18°21          | T 23        |
| F 24        | 6 5 45             | 1° 5'32                                 | 27°49                   | 5°38                    | 26°27                 | 29°26                   | 21° 8                  | 13°59          | 13°18                   | 2° 4              | 2°18         | 8°24                   | 10°10                 | 24°33          | 18°23          | F 24        |
| S 25        | 6 9 42             | 2° 6'39                                 | 9 <b>Ω</b> 48           | 7°14                    | 27°42                 | 29°31                   | 21°15                  | 13°54          | 13°21                   | 2° 3              | 2°17         | 8°D23                  | 10° 7                 | 24°40          | 18°24          | S 25        |
| S 26        | 6 13 39            | 3° 7'46                                 | 21°54                   | 8°50                    | 28°57                 | 29°36                   | 21°23                  | 13°49          | 13°24                   | 2° 1              | 2°16         | 8°24                   | 10° 4                 | 24°46          | 18°25          | S 26        |
| M27         | 6 17 35            | 4° 8'53                                 | 4 Mp 12                 | 10°27                   | 0≈11                  | 29°40                   | 21°31                  | 13°45          | 13°26                   | 2° 0              | 2°15         | 8°26                   | 10° 1                 | 24°53          | 18°27          | M27         |
| T 28        | 6 21 32            | 5°10'02                                 | 16°45                   | 12° 3                   | 1°26                  | 29°43                   | 21°39                  | 13°40          | 13°29                   | 1°58              | 2°13         | 8°27                   | 9°58                  | 25° 0          | 18°28          | T 28        |
| W29<br>T 30 | 6 25 28<br>6 29 25 | 6°11'10<br>7°12'20                      | 29°37<br>12 <b>Ω</b> 53 | 13°40<br>15°17          | 2°41<br>3°55          | 29°46<br>29°48          | 21°47<br>21°55         | 13°35<br>13°30 | 13°32<br>13°35          | 1°57<br>1°55      | 2°12<br>2°11 | 8°29<br>8°R29          | 9°55<br>9°51          | 25° 6<br>25°13 | 18°30<br>18°31 | W29<br>T 30 |
| F 31        | 6 29 25 6 33 21    | 7 <sup>-12-20</sup><br>8 <b>云</b> 13'29 | 12 <b>3</b> 233         | 15°17<br>16 <b>云</b> 55 | 5°55<br>5 <b>≈</b> 10 | 29°48<br>29 <b>Ω</b> 49 | 21°55<br>22 <b>)</b> 3 | 13925          | 13°35<br>13 <b>≈</b> 38 | $1^{-33}$ $10.54$ | 2910         | 8°K29<br>8 <b>≈</b> 27 | 9°51<br>9 <b>≈</b> 48 | 25¶20          | 18 <b>)</b> 33 | F 31        |
| 1 11        | 0 33 41            | 0 0 1 3 2 9                             | 20-33                   | 10033                   | <i>5</i> <b>∼</b> 10  | 270 CT7                 | 22/( )                 | 12023          | 13~36                   | 10654             | 2-210        | 0 <b>~</b> ∠/          | <i>&gt;</i> ~~+0      | 231120         | 10/(33         | 1 21        |

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| Day  | Sid.t   | 0                | D              | ğ              | φ              | ♂ <sup>™</sup> | 74             | ħ      | )f(            | 卉             | Р     | 'n    | Ω             | Ç              | ę,               | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|---------------|-------|-------|---------------|----------------|------------------|------|
| S 1  | 6 37 18 | 9 <b>ප</b> 14'39 | 10 <b>M</b> 41 | 18 <b>ට</b> 32 | 6≈24           | 29°R49         | 22 <b>)</b> 12 | 13°R20 | 13 <b>≈</b> 41 | 1°R52         | 2°R 9 | 8°R25 | 9≈45          | 25 <b>Ⅱ</b> 26 | 18 <b>∺</b> 35   | S 1  |
| S 2  | 6 41 14 | 10°15'50         | 25°14          | 20°10          | 7°39           | 29 <b>Ω</b> 49 | 22°21          | 139915 | 13°44          | 1 <b>0</b> 51 | 295 7 | 8≈21  | 9°42          | 25°33          | 18°37            | S 2  |
| M 3  | 6 45 11 | 11°17'01         | 10 <b>×</b> 9  | 21°48          | 8°53           | 29°48          | 22°30          | 13°10  | 13°47          | 1°49          | 2° 6  | 8°17  | 9°39          | 25°40          | 18°38            | M 3  |
| T 4  | 6 49 8  | 12°18'12         | 25°17          | 23°25          | 10° 8          | 29°46          | 22°38          | 13° 5  | 13°50          | 1°48          | 2° 5  | 8°13  | 9°36          | 25°46          | 18°40            | T 4  |
| W 5  | 6 53 4  | 13°19'24         | 10 <b>ට</b> 31 | 25° 3          | 11°22          | 29°43          | 22°48          | 13° 0  | 13°54          | 1°46          | 2° 4  | 8°10  | 9°32          | 25°53          | 18°42            | W 5  |
| T 6  | 6 57 1  | 14°20'35         | 25°39          | 26°40          | 12°36          | 29°39          | 22°57          | 12°55  | 13°57          | 1°45          | 2° 3  | 8° 8  | 9°29          | 26° 0          | 18°44            | T 6  |
| F 7  | 7 0 57  | 15°21'46         | 10≈32          | 28°18          | 13°51          | 29°35          | 23° 6          | 12°50  | 14° 0          | 1°43          | 2° 1  | 8°D 8 | 9°26          | 26° 6          | 18°46            | F 7  |
| S 8  | 7 4 54  | 16°22'56         | 25° 3          | 29°54          | 15° 5          | 29°30          | 23°16          | 12°45  | 14° 3          | 1°41          | 2° 0  | 8° 9  | 9°23          | 26°13          | 18°48            | S 8  |
| S 9  | 7 8 50  | 17°24'07         | 9 <b>∺</b> 8   | 1≈31           | 16°20          | 29°24          | 23°25          | 12°40  | 14° 6          | 1°40          | 1°59  | 8°10  | 9°20          | 26°20          | 18°50            | S 9  |
| M10  | 7 12 47 | 18°25'16         | 22°45          | 3° 6           | 17°34          | 29°17          | 23°35          | 12°36  | 14° 9          | 1°38          | 1°58  | 8°12  | 9°16          | 26°26          | 18°52            | M10  |
| T 11 | 7 16 44 | 19°26'25         | 5 <b>Υ</b> 56  | 4°41           | 18°48          | 29° 9          | 23°45          | 12°31  | 14°13          | 1°37          | 1°57  | 8°13  | 9°13          | 26°33          | 18°54            | T 11 |
| W12  | 7 20 40 | 20°27'34         | 18°43          | 6°15           | 20° 2          | 29° 0          | 23°55          | 12°26  | 14°16          | 1°35          | 1°56  | 8°R13 | 9°10          | 26°40          | 18°57            | W12  |
| T 13 | 7 24 37 | 21°28'42         | 1810           | 7°47           | 21°17          | 28°51          | 24° 5          | 12°21  | 14°19          | 1°33          | 1°55  | 8°13  | 9° 7          | 26°46          | 18°59            | T 13 |
| F 14 | 7 28 33 | 22°29'49         | 13°22          | 9°17           | 22°31          | 28°41          | 24°15          | 12°16  | 14°22          | 1°32          | 1°53  | 8°12  | 9° 4          | 26°53          | 19° 1            | F 14 |
| S 15 | 7 32 30 | 23°30'56         | 25°23          | 10°45          | 23°45          | 28°30          | 24°26          | 12°11  | 14°26          | 1°30          | 1°52  | 8°10  | 9° 1          | 27° 0          | 19° 4            | S 15 |
| S 16 | 7 36 26 | 24°32'02         | 7 <b>I</b> I16 | 12°11          | 24°59          | 28°19          | 24°36          | 12° 6  | 14°29          | 1°28          | 1°51  | 8° 8  | 8°57          | 27° 7          | 19° 6            | S 16 |
| M17  | 7 40 23 | 25°33'08         | 19° 6          | 13°33          | 26°13          | 28° 6          | 24°47          | 12° 2  | 14°32          | 1°27          | 1°50  | 8° 6  | 8°54          | 27°13          | 19° 8            | M17  |
| T 18 | 7 44 19 | 26°34'13         | 0956           | 14°51          | 27°27          | 27°53          | 24°57          | 11°57  | 14°36          | 1°25          | 1°49  | 8° 4  | 8°51          | 27°20          | 19°11            | T 18 |
| W19  | 7 48 16 | 27°35'17         | 12°48          | 16° 5          | 28°41          | 27°39          | 25° 8          | 11°52  | 14°39          | 1°23          | 1°48  | 8° 3  | 8°48          | 27°27          | 19°13            | W19  |
| T 20 | 7 52 13 | 28°36'20         | 24°44          | 17°14          | 29°55          | 27°24          | 25°19          | 11°48  | 14°43          | 1°21          | 1°47  | 8° 2  | 8°45          | 27°33          | 19°16            | T 20 |
| F 21 | 7 56 9  | 29°37'23         | 6 <b>Ω</b> 46  | 18°17          | 1 <b>)</b> 9   | 27° 9          | 25°30          | 11°43  | 14°46          | 1°20          | 1°46  | 8°D 1 | 8°42          | 27°40          | 19°19            | F 21 |
| S 22 | 8 0 6   | 0≈38'25          | 18°56          | 19°14          | 2°23           | 26°52          | 25°41          | 11°38  | 14°49          | 1°18          | 1°45  | 8° 2  | 8°38          | 27°47          | 19°21            | S 22 |
| S 23 | 8 4 2   | 1°39'27          | 1 <b>m</b> 16  | 20° 2          | 3°36           | 26°36          | 25°52          | 11°34  | 14°53          | 1°16          | 1°44  | 8° 2  | 8°35          | 27°53          | 19°24            | S 23 |
| M24  | 8 7 59  | 2°40'28          | 13°48          | 20°43          | 4°50           | 26°18          | 26° 4          | 11°29  | 14°56          | 1°15          | 1°43  | 8° 3  | 8°32          | 28° 0          | 19°27            | M24  |
| T 25 | 8 11 55 | 3°41'28          | 26°33          | 21°14          | 6° 4           | 26° 0          | 26°15          | 11°25  | 15° 0          | 1°13          | 1°42  | 8° 3  | 8°29          | 28° 7          | 19°29            | T 25 |
| W26  | 8 15 52 | 4°42'27          | 9 <b>॒</b> 33  | 21°35          | 7°17           | 25°41          | 26°27          | 11°21  | 15° 3          | 1°11          | 1°41  | 8° 4  | 8°26          | 28°13          | 19°32            | W26  |
| T 27 | 8 19 48 | 5°43'27          | 22°50          | 21°R45         | 8°31           | 25°21          | 26°38          | 11°16  | 15° 7          | 1°10          | 1°40  | 8° 4  | 8°22          | 28°20          | 19°35            | T 27 |
| F 28 | 8 23 45 | 6°44'25          | 6M26           | 21°45          | 9°45           | 25° 1          | 26°50          | 11°12  | 15°10          | 1°8           | 1°39  | 8°R 4 | 8°19          | 28°27          | 19°38            | F 28 |
| S 29 | 8 27 42 | 7°45'23          | 20°21          | 21°33          | 10°58          | 24°41          | 27° 2          | 11° 8  | 15°13          | 1° 6          | 1°38  | 8°D 4 | 8°16          | 28°33          | 19°41            | S 29 |
| S 30 | 8 31 38 | 8°46'21          | 4 <b>₹</b> 36  | 21° 9          | 12°11          | 24°20          | 27°14          | 11° 4  | 15°17          | 1° 5          | 1°37  | 8° 4  | 8°13          | 28°40          | 19°44            | S 30 |
| M31  | 8 35 35 | 9 <b>≈</b> 47'17 | 19 <b>×</b> 8  | 20≈35          | 13 <b>∺</b> 25 | 23 <b>N</b> 58 | 27 <b>∺</b> 26 | 1199 0 | 15 <b>≈</b> 20 | 1 <b>0</b> 3  | 19936 | 8≈ 4  | 8 <b>≈</b> 10 | 28 <b>Ⅱ</b> 47 | 19 <b>) (</b> 47 | M31  |

Delta T = 18.51 sec

FEBRUARY 1916 00:00 UT

| Day  | Sid.t    | 0               | D              | ğ              | φ              | ð              | 4              | ħ              | )f(   | ¥            | Р     | v     | Ω    | Ç             | ď              | Day  |
|------|----------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------|--------------|-------|-------|------|---------------|----------------|------|
| T 1  | 8 39 31  | 10≈48'14        | 3 <b>る</b> 53  | 19°R50         | 14 <b>)</b> 38 | 23°R36         | 27 <b>)</b> 38 | 10°R56         | 15≈24 | 1°R 1        | 1°R35 | 8≈ 4  | 8≈ 7 | 28耳53         | 19 <b>米</b> 49 | T 1  |
| W 2  | 8 43 28  | 11°49'09        | 18°45          | 18 <b>≈</b> 57 | 15°52          | 23 <b>Ω</b> 14 | 27°50          | 10952          | 15°27 | 1 <b>0</b> 0 | 19934 | 8° 4  | 8° 3 | 29° 0         | 19°52          | W 2  |
| T 3  | 8 47 24  | 12°50'03        | 3 <b>≈</b> 37  | 17°55          | 17° 5          | 22°51          | 28° 2          | 10°48          | 15°31 | 0°58         | 1°33  | 8°R 5 | 8° 0 | 29° 7         | 19°56          | T 3  |
| F 4  | 8 51 21  | 13°50'56        | 18°21          | 16°48          | 18°18          | 22°28          | 28°15          | 10°44          | 15°34 | 0°56         | 1°32  | 8° 5  | 7°57 | 29°13         | 19°59          | F 4  |
| S 5  | 8 55 17  | 14°51'48        | 2 <b>∺</b> 50  | 15°38          | 19°31          | 22° 4          | 28°27          | 10°41          | 15°38 | 0°55         | 1°32  | 8° 4  | 7°54 | 29°20         | 20° 2          | S 5  |
| S 6  | 8 59 14  | 15°52'39        | 16°58          | 14°25          | 20°44          | 21°41          | 28°40          | 10°37          | 15°41 | 0°53         | 1°31  | 8° 3  | 7°51 | 29°27         | 20° 5          | S 6  |
| M 7  | 9 3 11   | 16°53'28        | 0 <b>Υ</b> 42  | 13°13          | 21°57          | 21°17          | 28°52          | 10°34          | 15°45 | 0°51         | 1°30  | 8° 2  | 7°48 | 29°33         | 20° 8          | M 7  |
| T 8  | 9 7 7    | 17°54'16        | 14° 1          | 12° 3          | 23°10          | 20°53          | 29° 5          | 10°30          | 15°48 | 0°50         | 1°29  | 8° 1  | 7°44 | 29°40         | 20°11          | T 8  |
| W 9  | 9 11 4   | 18°55'02        | 26°55          | 10°56          | 24°23          | 20°29          | 29°18          | 10°27          | 15°52 | 0°48         | 1°28  | 8° 0  | 7°41 | 29°47         | 20°14          | W 9  |
| T 10 | 9 15 0   | 19°55'47        | 9 <b>8</b> 28  | 9°55           | 25°36          | 20° 5          | 29°30          | 10°24          | 15°55 | 0°47         | 1°28  | 7°59  | 7°38 | 29°53         | 20°18          | T 10 |
| F 11 | 9 18 57  | 20°56'30        | 21°43          | 9° 1           | 26°48          | 19°41          | 29°43          | 10°20          | 15°59 | 0°45         | 1°27  | 7°D59 | 7°35 | 000 0         | 20°21          | F 11 |
| S 12 | 9 22 53  | 21°57'12        | 3 <b>Ⅱ</b> 44  | 8°13           | 28° 1          | 19°17          | 29°56          | 10°17          | 16° 2 | 0°43         | 1°26  | 7°59  | 7°32 | 0° 7          | 20°24          | S 12 |
| S 13 | 9 26 50  | 22°57'52        | 15°37          | 7°33           | 29°13          | 18°53          | 0 <b>Υ</b> 9   | 10°14          | 16° 6 | 0°42         | 1°25  | 8° 0  | 7°28 | 0°13          | 20°27          | S 13 |
| M14  | 9 30 46  | 23°58'30        | 27°26          | 7° 2           | 0 <b>Υ</b> 26  | 18°30          | 0°22           | 10°11          | 16° 9 | 0°40         | 1°25  | 8° 2  | 7°25 | 0°20          | 20°31          | M14  |
| T 15 | 9 34 43  | 24°59'07        | 99516          | 6°38           | 1°38           | 18° 6          | 0°35           | 10° 9          | 16°13 | 0°39         | 1°24  | 8° 3  | 7°22 | 0°27          | 20°34          | T 15 |
| W16  | 9 38 40  | 25°59'42        | 21°10          | 6°22           | 2°51           | 17°43          | 0°48           | 10° 6          | 16°16 | 0°37         | 1°23  | 8° 5  | 7°19 | 0°34          | 20°37          | W16  |
| T 17 | 9 42 36  | 27° 0'15        | 3 <b>Ω</b> 12  | 6°13           | 4° 3           | 17°20          | 1° 2           | 10° 3          | 16°20 | 0°36         | 1°23  | 8°R 5 | 7°16 | 0°40          | 20°41          | T 17 |
| F 18 | 9 46 33  | 28° 0'47        | 15°25          | 6°D12          | 5°15           | 16°57          | 1°15           | 10° 1          | 16°23 | 0°34         | 1°22  | 8° 5  | 7°13 | 0°47          | 20°44          | F 18 |
| S 19 | 9 50 29  | 29° 1'17        | 27°50          | 6°17           | 6°27           | 16°35          | 1°28           | 9°58           | 16°26 | 0°33         | 1°22  | 8° 4  | 7° 9 | 0°54          | 20°48          | S 19 |
| S 20 | 9 54 26  | 0 <b>)</b> 1'46 | 10 <b>m</b> 29 | 6°30           | 7°39           | 16°13          | 1°42           | 9°56           | 16°30 | 0°31         | 1°21  | 8° 2  | 7° 6 | 1° 0          | 20°51          | S 20 |
| M21  | 9 58 22  | 1° 2'13         | 23°21          | 6°48           | 8°51           | 15°52          | 1°55           | 9°54           | 16°33 | 0°30         | 1°21  | 7°59  | 7° 3 | 1° 7          | 20°55          | M21  |
| T 22 | 10 2 19  | 2° 2'38         | 6 <b>≏</b> 28  | 7°11           | 10° 3          | 15°31          | 2° 9           | 9°52           | 16°37 | 0°29         | 1°20  | 7°55  | 7° 0 | 1°14          | 20°58          | T 22 |
| W23  | 10 6 15  | 3° 3'02         | 19°47          | 7°40           | 11°14          | 15°10          | 2°22           | 9°50           | 16°40 | 0°27         | 1°20  | 7°51  | 6°57 | 1°20          | 21° 2          | W23  |
| T 24 | 10 10 12 | 4° 3'25         | 3 <b>M</b> 19  | 8°14           | 12°26          | 14°50          | 2°36           | 9°48           | 16°43 | 0°26         | 1°19  | 7°47  | 6°53 | 1°27          | 21° 5          | T 24 |
| F 25 | 10 14 9  | 5° 3'46         | 17° 3          | 8°52           | 13°37          | 14°31          | 2°50           | 9°46           | 16°47 | 0°25         | 1°19  | 7°45  | 6°50 | 1°34          | 21° 9          | F 25 |
| S 26 | 10 18 5  | 6° 4'06         | 0 <b>≯</b> 58  | 9°35           | 14°49          | 14°12          | 3° 3           | 9°45           | 16°50 | 0°23         | 1°18  | 7°D44 | 6°47 | 1°40          | 21°12          | S 26 |
| S 27 | 10 22 2  | 7° 4'25         | 15° 3          | 10°21          | 16° 0          | 13°54          | 3°17           | 9°43           | 16°53 | 0°22         | 1°18  | 7°44  | 6°44 | 1°47          | 21°16          | S 27 |
| M28  | 10 25 58 | 8° 4'42         | 29°17          | 11°11          | 17°11          | 13°36          | 3°31           | 9°42           | 16°57 | 0°21         | 1°17  | 7°45  | 6°41 | 1°54          | 21°19          | M28  |
| T 29 | 10 29 55 | 9 <b>)</b> 4'58 | 13 <b>る</b> 37 | 12 <b>≈</b> 4  | 18 <b>Y</b> 22 | 13 <b>Ω</b> 19 | 3 <b>℃</b> 45  | 9 <b>9</b> 540 | 17≈ 0 | $0\Omega$ 19 | 19917 | 7≈47  | 6≈38 | 2 <b>95</b> 0 | 21 <b>米</b> 23 | T 29 |

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| Day  | Sid.t    | 0                           | D               | ğ              | φ              | ♂              | 4                      | ħ     | )f(            | ¥     | Р     | 'n    | ß    | Ç                     | ę,              | Day  |
|------|----------|-----------------------------|-----------------|----------------|----------------|----------------|------------------------|-------|----------------|-------|-------|-------|------|-----------------------|-----------------|------|
| W 1  | 10 33 51 | 10 <b>¥</b> 5'12            | 28 <b>궁</b> 1   | 13≈ 0          | 19 <b>Y</b> 33 | 13°R 3         | <b>3</b> Υ59           | 9°R39 | 17≈ 3          | 0°R18 | 1°R17 | 7≈48  | 6≈34 | 299 7                 | 21 <b>)</b> (26 | W 1  |
| T 2  | 10 37 48 | 11° 5'25                    | 12≈26           | 13°59          | 20°44          | 12 <b>Ω</b> 48 | 4°13                   | 9938  | 17° 7          | 0Ω17  | 19916 | 7°R48 | 6°31 | 2°14                  | 21°30           | T 2  |
| F 3  | 10 41 44 | 12° 5'36                    | 26°46           | 15° 1          | 21°55          | 12°33          | 4°27                   | 9°37  | 17°10          | 0°16  | 1°16  | 7°47  | 6°28 | 2°20                  | 21°34           | F 3  |
| S 4  | 10 45 41 | 13° 5'45                    | 10 <b>∺</b> 57  | 16° 5          | 23° 5          | 12°19          | 4°41                   | 9°36  | 17°13          | 0°15  | 1°16  | 7°44  | 6°25 | 2°27                  | 21°37           | S 4  |
| S 5  | 10 49 38 | 14° 5'52                    | 24°53           | 17°11          | 24°16          | 12° 6          | 4°55                   | 9°35  | 17°16          | 0°14  | 1°15  | 7°39  | 6°22 | 2°34                  | 21°41           | S 5  |
| M 6  | 10 53 34 | 15° 5'57                    | 8 <b>Ƴ</b> 31   | 18°20          | 25°26          | 11°53          | 5° 9                   | 9°34  | 17°20          | 0°12  | 1°15  | 7°33  | 6°19 | 2°40                  | 21°44           | M 6  |
| T 7  | 10 57 31 | 16° 6'00                    | 21°49           | 19°30          | 26°36          | 11°41          | 5°23                   | 9°34  | 17°23          | 0°11  | 1°15  | 7°26  | 6°15 | 2°47                  | 21°48           | T 7  |
| W 8  | 11 1 27  | 17° 6'02                    | 4844            | 20°43          | 27°46          | 11°30          | 5°37                   | 9°33  | 17°26          | 0°10  | 1°15  | 7°19  | 6°12 | 2°54                  | 21°52           | W 8  |
| T 9  | 11 5 24  | 18° 6'01                    | 17°20           | 21°58          | 28°56          | 11°20          | 5°51                   | 9°33  | 17°29          | 0° 9  | 1°15  | 7°14  | 6° 9 | 3° 0                  | 21°55           | T 9  |
| F 10 | 11 9 20  | 19° 5'58                    | 29°37           | 23°14          | 08 6           | 11°11          | 6° 6                   | 9°33  | 17°32          | 0° 8  | 1°14  | 7°10  | 6° 6 | 3° 7                  | 21°59           | F 10 |
| S 11 | 11 13 17 | 20° 5'53                    | 11 <b>II</b> 40 | 24°32          | 1°16           | 11° 2          | 6°20                   | 9°33  | 17°35          | 0° 7  | 1°14  | 7° 8  | 6° 3 | 3°14                  | 22° 2           | S 11 |
| S 12 | 11 17 13 | 21° 5'46                    | 23°34           | 25°51          | 2°26           | 10°55          | 6°34                   | 9°D33 | 17°38          | 0° 6  | 1°14  | 7°D 8 | 5°59 | 3°20                  | 22° 6           | S 12 |
| M13  | 11 21 10 | 22° 5'36                    | 5923            | 27°13          | 3°35           | 10°48          | 6°48                   | 9°33  | 17°41          | 0° 5  | 1°14  | 7° 9  | 5°56 | 3°27                  | 22°10           | M13  |
| T 14 | 11 25 7  | 23° 5'25                    | 17°13           | 28°35          | 4°44           | 10°41          | 7° 3                   | 9°33  | 17°44          | 0° 4  | 1°14  | 7°10  | 5°53 | 3°34                  | 22°13           | T 14 |
| W15  | 11 29 3  | 24° 5'11                    | 29° 9           | 29°59          | 5°54           | 10°36          | 7°17                   | 9°33  | 17°47          | 0° 4  | 1°14  | 7°11  | 5°50 | 3°40                  | 22°17           | W15  |
| T 16 | 11 33 0  | 25° 4'55                    | 11 <b>Ω</b> 16  | 1 <b>¥</b> 25  | 7° 2           | 10°31          | 7°31                   | 9°34  | 17°50          | 0° 3  | 1°D14 | 7°R11 | 5°47 | 3°47                  | 22°21           | T 16 |
| F 17 | 11 36 56 | 26° 4'36                    | 23°37           | 2°52           | 8°11           | 10°27          | 7°46                   | 9°34  | 17°53          | 0° 2  | 1°14  | 7°10  | 5°44 | 3°54                  | 22°24           | F 17 |
| S 18 | 11 40 53 | 27° 4'16                    | 6Mp15           | 4°21           | 9°20           | 10°24          | 8° 0                   | 9°35  | 17°56          | 0° 1  | 1°14  | 7° 6  | 5°40 | 4° 0                  | 22°28           | S 18 |
| S 19 | 11 44 49 | 28° 3'53                    | 19°11           | 5°51           | 10°28          | 10°22          | 8°14                   | 9°36  | 17°59          | 0° 0  | 1°14  | 7° 0  | 5°37 | 4° 7                  | 22°31           | S 19 |
| M20  | 11 48 46 | 29° 3'28                    | 2 <b>≏</b> 26   | 7°22           | 11°37          | 10°21          | 8°29                   | 9°37  | 18° 2          | 29959 | 1°14  | 6°53  | 5°34 | 4°14                  | 22°35           | M20  |
| T 21 | 11 52 42 | 0 <b>Υ</b> 3'02             | 15°58           | 8°54           | 12°45          | 10°20          | 8°43                   | 9°38  | 18° 5          | 29°59 | 1°14  | 6°44  | 5°31 | 4°20                  | 22°39           | T 21 |
| W22  | 11 56 39 | 1° 2'33                     | 29°45           | 10°28          | 13°53          | 10°D20         | 8°58                   | 9°39  | 18° 7          | 29°58 | 1°15  | 6°34  | 5°28 | 4°27                  | 22°42           | W22  |
| T 23 | 12 0 35  | 2° 2'02                     | 13M42           | 12° 3          | 15° 1          | 10°20          | 9°12                   | 9°40  | 18°10          | 29°58 | 1°15  | 6°26  | 5°25 | 4°34                  | 22°46           | T 23 |
| F 24 | 12 4 32  | 3° 1'30                     | 27°46           | 13°40          | 16° 8          | 10°22          | 9°27                   | 9°41  | 18°13          | 29°57 | 1°15  | 6°19  | 5°21 | 4°40                  | 22°49           | F 24 |
| S 25 | 12 8 29  | 4° 0'56                     | 11 <b>×</b> 754 | 15°18          | 17°16          | 10°24          | 9°41                   | 9°43  | 18°16          | 29°57 | 1°15  | 6°15  | 5°18 | 4°47                  | 22°53           | S 25 |
| S 26 | 12 12 25 | 5° 0'20                     | 26° 2           | 16°57          | 18°23          | 10°26          | 9°56                   | 9°44  | 18°18          | 29°56 | 1°15  | 6°13  | 5°15 | 4°54                  | 22°57           | S 26 |
| M27  | 12 16 22 | 5°59'43                     | 10중10           | 18°38          | 19°30          | 10°30          | 10°10                  | 9°46  | 18°21          | 29°56 | 1°16  | 6°D12 | 5°12 | 5° 0                  | 23° 0           | M27  |
| T 28 | 12 20 18 | 6°59'04                     | 24°16           | 20°20          | 20°37          | 10°34          | 10°25                  | 9°48  | 18°23          | 29°55 | 1°16  | 6°13  | 5° 9 | 5° 7                  | 23° 4           | T 28 |
| W29  | 12 24 15 | 7°58'23                     | 8 <b>≈</b> 19   | 22° 3          | 21°43          | 10°39          | 10°39                  | 9°49  | 18°26          | 29°55 | 1°16  | 6°R13 | 5° 5 | 5°14                  | 23° 7           | W29  |
| T 30 | 12 28 11 | 8°57'40<br>9 <b>Ƴ</b> 56'55 | 22°18           | 23°47          | 22°50          | 10°44          | 10°54<br>11 <b>°</b> 8 | 9°51  | 18°28          | 29°54 | 1°16  | 6°12  | 5° 2 | 5°20<br>5 <b>©</b> 27 | 23°11           | T 30 |
| F 31 | 12 32 8  | 9.1.20.22                   | 6 <b>¥</b> 10   | 25 <b>米</b> 33 | 23 <b>8</b> 56 | 10 <b>Ω</b> 50 | 11.A. 8                | 9954  | 18 <b>≈</b> 31 | 29954 | 19917 | 6≈ 9  | 4≈59 | 3492/                 | 23 <b>米</b> 14  | F 31 |

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APRIL 1916 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | φ             | ð              | 4              | ħ             | )/(            | ¥      | Р     | v     | ಭಿ   | Ç     | ę,             | Day  |
|------|----------|-------------------|----------------|----------------|---------------|----------------|----------------|---------------|----------------|--------|-------|-------|------|-------|----------------|------|
| S 1  | 12 36 4  | 10 <b>Y</b> 56'09 | 19 <b>米</b> 55 | 27 <b>)</b> 21 | 25 <b>8</b> 2 | 10 <b>Ω</b> 57 | 11 <b>Y</b> 23 | 9 <b>9</b> 56 | 18 <b>≈</b> 33 | 29°R54 | 19917 | 6°R 3 | 4≈56 | 5934  | 23 <b>)</b> 18 | S 1  |
| S 2  | 12 40 1  | 11°55'20          | <b>3</b> Υ29   | 29°10          | 26° 8         | 11° 5          | 11°37          | 9°58          | 18°36          | 29953  | 1°18  | 5≈54  | 4°53 | 5°40  | 23°21          | S 2  |
| M 3  | 12 43 58 | 12°54'30          | 16°49          | 1 <b>Y</b> 0   | 27°13         | 11°13          | 11°52          | 10° 0         | 18°38          | 29°53  | 1°18  | 5°43  | 4°50 | 5°47  | 23°25          | M 3  |
| T 4  | 12 47 54 | 13°53'37          | 29°54          | 2°52           | 28°18         | 11°21          | 12° 6          | 10° 3         | 18°41          | 29°53  | 1°18  | 5°31  | 4°46 | 5°54  | 23°28          | T 4  |
| W 5  | 12 51 51 | 14°52'42          | 12842          | 4°45           | 29°23         | 11°30          | 12°21          | 10° 5         | 18°43          | 29°53  | 1°19  | 5°19  | 4°43 | 6° 0  | 23°32          | W 5  |
| T 6  | 12 55 47 | 15°51'46          | 25°13          | 6°39           | 0Д28          | 11°40          | 12°35          | 10° 8         | 18°45          | 29°52  | 1°19  | 5° 9  | 4°40 | 6° 7  | 23°35          | T 6  |
| F 7  | 12 59 44 | 16°50'47          | 7Ⅲ28           | 8°35           | 1°33          | 11°51          | 12°50          | 10°11         | 18°47          | 29°52  | 1°20  | 5° 0  | 4°37 | 6°14  | 23°39          | F 7  |
| S 8  | 13 3 40  | 17°49'45          | 19°30          | 10°32          | 2°37          | 12° 2          | 13° 4          | 10°14         | 18°50          | 29°52  | 1°20  | 4°54  | 4°34 | 6°20  | 23°42          | S 8  |
| S 9  | 13 7 37  | 18°48'42          | 19524          | 12°31          | 3°41          | 12°13          | 13°19          | 10°17         | 18°52          | 29°52  | 1°21  | 4°51  | 4°30 | 6°27  | 23°45          | S 9  |
| M10  | 13 11 33 | 19°47'36          | 13°12          | 14°31          | 4°45          | 12°25          | 13°33          | 10°20         | 18°54          | 29°52  | 1°21  | 4°49  | 4°27 | 6°34  | 23°49          | M10  |
| T 11 | 13 15 30 | 20°46'28          | 25° 2          | 16°32          | 5°48          | 12°38          | 13°48          | 10°23         | 18°56          | 29°D52 | 1°22  | 4°D49 | 4°24 | 6°40  | 23°52          | T 11 |
| W12  | 13 19 27 | 21°45'18          | 6 <b>Ω</b> 58  | 18°35          | 6°51          | 12°51          | 14° 2          | 10°27         | 18°58          | 29°52  | 1°23  | 4°R49 | 4°21 | 6°47  | 23°55          | W12  |
| T 13 | 13 23 23 | 22°44'05          | 19° 6          | 20°38          | 7°54          | 13° 4          | 14°17          | 10°30         | 19° 0          | 29°52  | 1°23  | 4°49  | 4°18 | 6°54  | 23°59          | T 13 |
| F 14 | 13 27 20 | 23°42'51          | 1 <b>m</b> 30  | 22°43          | 8°57          | 13°18          | 14°31          | 10°33         | 19° 2          | 29°52  | 1°24  | 4°46  | 4°15 | 7° 0  | 24° 2          | F 14 |
| S 15 | 13 31 16 | 24°41'33          | 14°16          | 24°48          | 9°59          | 13°33          | 14°45          | 10°37         | 19° 4          | 29°52  | 1°25  | 4°41  | 4°11 | 7° 7  | 24° 5          | S 15 |
| S 16 | 13 35 13 | 25°40'14          | 27°24          | 26°55          | 11° 0         | 13°48          | 15° 0          | 10°41         | 19° 6          | 29°53  | 1°25  | 4°33  | 4° 8 | 7°13  | 24° 8          | S 16 |
| M17  | 13 39 9  | 26°38'53          | 10 <b>≏</b> 56 | 29° 2          | 12° 2         | 14° 3          | 15°14          | 10°44         | 19° 7          | 29°53  | 1°26  | 4°23  | 4° 5 | 7°20  | 24°11          | M17  |
| T 18 | 13 43 6  | 27°37'29          | 24°50          | 18 9           | 13° 3         | 14°19          | 15°28          | 10°48         | 19° 9          | 29°53  | 1°27  | 4°12  | 4° 2 | 7°27  | 24°15          | T 18 |
| W19  | 13 47 2  | 28°36'04          | 9 <b>™</b> 2   | 3°16           | 14° 4         | 14°36          | 15°43          | 10°52         | 19°11          | 29°53  | 1°27  | 4° 0  | 3°59 | 7°33  | 24°18          | W19  |
| T 20 | 13 50 59 | 29°34'37          | 23°26          | 5°24           | 15° 4         | 14°53          | 15°57          | 10°56         | 19°13          | 29°54  | 1°28  | 3°49  | 3°56 | 7°40  | 24°21          | T 20 |
| F 21 | 13 54 56 | 0 <b>8</b> 33'08  | 7 <b>.</b> ₹56 | 7°31           | 16° 4         | 15°10          | 16°11          | 11° 0         | 19°14          | 29°54  | 1°29  | 3°40  | 3°52 | 7°47  | 24°24          | F 21 |
| S 22 | 13 58 52 | 1°31'38           | 22°26          | 9°37           | 17° 4         | 15°27          | 16°26          | 11° 5         | 19°16          | 29°54  | 1°30  | 3°33  | 3°49 | 7°53  | 24°27          | S 22 |
| S 23 | 14 249   | 2°30'05           | 6 <b>ප</b> 51  | 11°42          | 18° 3         | 15°45          | 16°40          | 11° 9         | 19°17          | 29°55  | 1°31  | 3°30  | 3°46 | 8° 0  | 24°30          | S 23 |
| M24  | 14 6 45  | 3°28'32           | 21° 7          | 13°46          | 19° 1         | 16° 4          | 16°54          | 11°13         | 19°19          | 29°55  | 1°31  | 3°28  | 3°43 | 8° 7  | 24°33          | M24  |
| T 25 | 14 10 42 | 4°26'56           | 5≈11           | 15°48          | 20° 0         | 16°23          | 17° 8          | 11°18         | 19°20          | 29°56  | 1°32  | 3°28  | 3°40 | 8°13  | 24°36          | T 25 |
| W26  | 14 14 38 | 5°25'19           | 19° 5          | 17°48          | 20°57         | 16°42          | 17°22          | 11°22         | 19°22          | 29°56  | 1°33  | 3°28  | 3°36 | 8°20  | 24°39          | W26  |
| T 27 | 14 18 35 | 6°23'41           | 2 <b>)</b> (48 | 19°46          | 21°55         | 17° 2          | 17°36          | 11°27         | 19°23          | 29°57  | 1°34  | 3°26  | 3°33 | 8°27  | 24°42          | T 27 |
| F 28 | 14 22 31 | 7°22'01           | 16°19          | 21°41          | 22°52         | 17°21          | 17°50          | 11°32         | 19°25          | 29°57  | 1°35  | 3°22  | 3°30 | 8°33  | 24°45          | F 28 |
| S 29 | 14 26 28 | 8°20'19           | 29°41          | 23°34          | 23°48         | 17°42          | 18° 5          | 11°36         | 19°26          | 29°58  | 1°36  | 3°15  | 3°27 | 8°40  | 24°48          | S 29 |
| S 30 | 14 30 25 | 9 <b>8</b> 18'36  | 12 <b>Y</b> 51 | 25 <b>8</b> 23 | 24∏44         | 18 <b>N</b> 2  | 18 <b>Y</b> 19 | 119541        | 19 <b>≈</b> 27 | 29958  | 1937  | 3≈ 6  | 3≈24 | 89547 | 24 <b>米</b> 50 | S 30 |

Delta T = 18.75 sec

MAY 1916 00:00 UT

| Day  | Sid.t    | $\odot$          | D              | ğ             | ·            | ð              | 4              | ħ      | )ұ(            | #           | Р     | £     | င္ပ  | Ç      | ę,             | Day  |
|------|----------|------------------|----------------|---------------|--------------|----------------|----------------|--------|----------------|-------------|-------|-------|------|--------|----------------|------|
| M 1  | 14 34 21 | 10816'51         | 25 <b>Y</b> 49 | 27 <b>8</b> 9 | 25耳39        | 18 <b>Ω</b> 23 | 18 <b>Y</b> 33 | 119546 | 19≈28          | 29959       | 19538 | 2°R54 | 3≈21 | 8953   | 24 <b>)</b> 53 | M 1  |
| T 2  | 14 38 18 | 11°15'04         | 8 <b>8</b> 35  | 28°52         | 26°34        | 18°45          | 18°46          | 11°51  | 19°29          | 29°59       | 1°39  | 2≈41  | 3°17 | 9° 0   | 24°56          | T 2  |
| W 3  | 14 42 14 | 12°13'16         | 21° 8          | 0Д32          | 27°28        | 19° 6          | 19° 0          | 11°56  | 19°30          | $0\Omega$ 0 | 1°40  | 2°27  | 3°14 | 9° 7   | 24°59          | W 3  |
| T 4  | 14 46 11 | 13°11'26         | 3Ⅱ29           | 2° 8          | 28°22        | 19°28          | 19°14          | 12° 2  | 19°32          | 0° 1        | 1°41  | 2°16  | 3°11 | 9°13   | 25° 1          | T 4  |
| F 5  | 14 50 7  | 14° 9'34         | 15°37          | 3°39          | 29°15        | 19°51          | 19°28          | 12° 7  | 19°33          | 0° 2        | 1°42  | 2° 6  | 3° 8 | 9°20   | 25° 4          | F 5  |
| S 6  | 14 54 4  | 15° 7'40         | 27°35          | 5° 8          | 0 <b>9</b> 7 | 20°13          | 19°42          | 12°12  | 19°33          | 0° 3        | 1°43  | 1°58  | 3° 5 | 9°27   | 25° 7          | S 6  |
| S 7  | 14 58 0  | 16° 5'45         | 99526          | 6°32          | 0°59         | 20°36          | 19°56          | 12°18  | 19°34          | 0° 4        | 1°44  | 1°54  | 3° 2 | 9°33   | 25° 9          | S 7  |
| M 8  | 15 1 57  | 17° 3'48         | 21°13          | 7°52          | 1°50         | 21° 0          | 20° 9          | 12°23  | 19°35          | 0° 4        | 1°45  | 1°52  | 2°58 | 9°40   | 25°12          | M 8  |
| T 9  | 15 5 54  | 18° 1'49         | 3 <b>N</b> 2   | 9° 8          | 2°40         | 21°23          | 20°23          | 12°29  | 19°36          | 0° 5        | 1°46  | 1°D51 | 2°55 | 9°47   | 25°14          | T 9  |
| W10  | 15 9 50  | 18°59'48         | 14°57          | 10°20         | 3°30         | 21°47          | 20°37          | 12°34  | 19°37          | 0° 6        | 1°47  | 1°R52 | 2°52 | 9°53   | 25°17          | W10  |
| T 11 | 15 13 47 | 19°57'45         | 27° 4          | 11°27         | 4°19         | 22°11          | 20°50          | 12°40  | 19°37          | 0° 7        | 1°48  | 1°52  | 2°49 | 10° 0  | 25°19          | T 11 |
| F 12 | 15 17 43 | 20°55'40         | 9 <b>m</b> 28  | 12°31         | 5° 7         | 22°35          | 21° 4          | 12°46  | 19°38          | 0° 8        | 1°50  | 1°50  | 2°46 | 10° 7  | 25°21          | F 12 |
| S 13 | 15 21 40 | 21°53'33         | 22°13          | 13°29         | 5°54         | 23° 0          | 21°17          | 12°52  | 19°39          | 0° 9        | 1°51  | 1°46  | 2°42 | 10°13  | 25°24          | S 13 |
| S 14 | 15 25 36 | 22°51'25         | 5 <b>₾</b> 25  | 14°24         | 6°40         | 23°25          | 21°30          | 12°57  | 19°39          | 0°10        | 1°52  | 1°40  | 2°39 | 10°20  | 25°26          | S 14 |
| M15  | 15 29 33 | 23°49'15         | 19° 4          | 15°14         | 7°26         | 23°50          | 21°44          | 13° 3  | 19°40          | 0°11        | 1°53  | 1°32  | 2°36 | 10°27  | 25°28          | M15  |
| T 16 | 15 33 29 | 24°47'03         | 3M 9           | 15°59         | 8°10         | 24°16          | 21°57          | 13° 9  | 19°40          | 0°13        | 1°54  | 1°23  | 2°33 | 10°33  | 25°30          | T 16 |
| W17  | 15 37 26 | 25°44'50         | 17°37          | 16°40         | 8°54         | 24°41          | 22°10          | 13°15  | 19°41          | 0°14        | 1°55  | 1°13  | 2°30 | 10°40  | 25°33          | W17  |
| T 18 | 15 41 23 | 26°42'35         | 2 <b>₹</b> 22  | 17°17         | 9°37         | 25° 7          | 22°24          | 13°22  | 19°41          | 0°15        | 1°57  | 1° 3  | 2°27 | 10°47  | 25°35          | T 18 |
| F 19 | 15 45 19 | 27°40'19         | 17°16          | 17°48         | 10°18        | 25°33          | 22°37          | 13°28  | 19°41          | 0°16        | 1°58  | 0°56  | 2°23 | 10°53  | 25°37          | F 19 |
| S 20 | 15 49 16 | 28°38'02         | 2 <b>궁</b> 10  | 18°15         | 10°59        | 25°59          | 22°50          | 13°34  | 19°42          | 0°17        | 1°59  | 0°50  | 2°20 | 11° 0  | 25°39          | S 20 |
| S 21 | 15 53 12 | 29°35'44         | 16°56          | 18°37         | 11°38        | 26°26          | 23° 3          | 13°40  | 19°42          | 0°19        | 2° 0  | 0°48  | 2°17 | 11° 7  | 25°41          | S 21 |
| M22  | 15 57 9  | 0耳33'25          | 1≈28           | 18°54         | 12°16        | 26°53          | 23°16          | 13°47  | 19°42          | 0°20        | 2° 2  | 0°D47 | 2°14 | 11°13  | 25°43          | M22  |
| T 23 | 16 1 5   | 1°31'04          | 15°43          | 19° 6         | 12°53        | 27°20          | 23°29          | 13°53  | 19°42          | 0°21        | 2° 3  | 0°47  | 2°11 | 11°20  | 25°45          | T 23 |
| W24  | 16 5 2   | 2°28'42          | 29°40          | 19°14         | 13°29        | 27°47          | 23°41          | 14° 0  | 19°42          | 0°23        | 2° 4  | 0°R48 | 2° 8 | 11°26  | 25°47          | W24  |
| T 25 | 16 8 58  | 3°26'20          | 13 <b>米</b> 19 | 19°R16        | 14° 4        | 28°14          | 23°54          | 14° 6  | 19°R42         | 0°24        | 2° 6  | 0°47  | 2° 4 | 11°33  | 25°48          | T 25 |
| F 26 | 16 12 55 | 4°23'56          | 26°40          | 19°15         | 14°37        | 28°42          | 24° 7          | 14°13  | 19°42          | 0°25        | 2° 7  | 0°45  | 2° 1 | 11°40  | 25°50          | F 26 |
| S 27 | 16 16 52 | 5°21'32          | 9 <b>Ƴ</b> 46  | 19° 8         | 15° 9        | 29°10          | 24°19          | 14°19  | 19°42          | 0°27        | 2° 8  | 0°41  | 1°58 | 11°46  | 25°52          | S 27 |
| S 28 | 16 20 48 | 6°19'07          | 22°39          | 18°58         | 15°39        | 29°38          | 24°32          | 14°26  | 19°42          | 0°28        | 2° 9  | 0°34  | 1°55 | 11°53  | 25°54          | S 28 |
| M29  | 16 24 45 | 7°16'41          | 5 <b>8</b> 18  | 18°43         | 16° 8        | 0MD 6          | 24°45          | 14°33  | 19°42          | 0°30        | 2°11  | 0°26  | 1°52 | 12° 0  | 25°55          | M29  |
| T 30 | 16 28 41 | 8°14'13          | 17°46          | 18°25         | 16°35        | 0°35           | 24°57          | 14°39  | 19°42          | 0°31        | 2°12  | 0°16  | 1°48 | 12° 6  | 25°57          | T 30 |
| W31  | 16 32 38 | 9 <b>Ⅱ</b> 11'45 | 0耳 3           | 18耳 3         | 1799 1       | 1 Mp 3         | 25 <b>Y</b> 9  | 149546 | 19 <b>≈</b> 41 | 0⋒33        | 29914 | 0≈ 7  | 1≈45 | 129513 | 25 <b>米</b> 58 | W31  |

Delta T = 18.83 sec

JUNE 1916 00:00 UT

| Day  | Sid.t    | 0                  | D                    | ğ              | ·      | ♂              | 4              | ħ     | )f(            | <del>,</del>  | Р     | u              | v    | Ç      | ę,             | Day  |
|------|----------|--------------------|----------------------|----------------|--------|----------------|----------------|-------|----------------|---------------|-------|----------------|------|--------|----------------|------|
| T 1  | 16 36 34 | 10 <b>I</b> I 9'16 | 12∏11                | 17°R37         | 179525 | 1 <b>m</b> 32  | 25 <b>Y</b> 22 | 14953 | 19°R41         | 0 <b>Ω</b> 34 | 29915 | 29°R58         | 1≈42 | 129520 | 26 <b>米</b> 0  | T 1  |
| F 2  | 16 40 31 | 11° 6'46           | 24°10                | 17 <b>Ⅱ</b> 10 | 17°48  | 2° 1           | 25°34          | 15° 0 | 19 <b>≈</b> 41 | 0°36          | 2°16  | 29 <b>궁</b> 51 | 1°39 | 12°26  | 26° 1          | F 2  |
| S 3  | 16 44 27 | 12° 4'15           | 6 <b>9</b> 3         | 16°40          | 18° 8  | 2°30           | 25°46          | 15° 7 | 19°40          | 0°37          | 2°18  | 29°46          | 1°36 | 12°33  | 26° 3          | S 3  |
| S 4  | 16 48 24 | 13° 1'43           | 17°51                | 16° 8          | 18°27  | 3° 0           | 25°58          | 15°14 | 19°40          | 0°39          | 2°19  | 29°43          | 1°33 | 12°40  | 26° 4          | S 4  |
| M 5  | 16 52 21 | 13°59'10           | 29°37                | 15°35          | 18°44  | 3°29           | 26°10          | 15°21 | 19°39          | 0°41          | 2°20  | 29°D43         | 1°29 | 12°46  | 26° 5          | M 5  |
| T 6  | 16 56 17 | 14°56'35           | $11\Omega_{26}$      | 15° 2          | 18°59  | 3°59           | 26°22          | 15°28 | 19°39          | 0°42          | 2°22  | 29°43          | 1°26 | 12°53  | 26° 7          | T 6  |
| W 7  | 17 0 14  | 15°53'59           | 23°21                | 14°28          | 19°12  | 4°29           | 26°33          | 15°35 | 19°38          | 0°44          | 2°23  | 29°45          | 1°23 | 13° 0  | 26° 8          | W 7  |
| T 8  | 17 4 10  | 16°51'23           | 5 <b>m</b> 27        | 13°55          | 19°22  | 4°59           | 26°45          | 15°42 | 19°37          | 0°46          | 2°25  | 29°46          | 1°20 | 13° 6  | 26° 9          | T 8  |
| F 9  | 17 8 7   | 17°48'45           | 17°50                | 13°23          | 19°31  | 5°29           | 26°57          | 15°50 | 19°37          | 0°47          | 2°26  | 29°R47         | 1°17 | 13°13  | 26°10          | F 9  |
| S 10 | 17 12 3  | 18°46'06           | ე <u><b>ი</b></u> 33 | 12°53          | 19°38  | 6° 0           | 27° 8          | 15°57 | 19°36          | 0°49          | 2°28  | 29°46          | 1°14 | 13°20  | 26°11          | S 10 |
| S 11 | 17 16 0  | 19°43'26           | 13°42                | 12°25          | 19°42  | 6°30           | 27°20          | 16° 4 | 19°35          | 0°51          | 2°29  | 29°43          | 1°10 | 13°26  | 26°12          | S 11 |
| M12  | 17 19 56 | 20°40'45           | 27°18                | 12° 0          | 19°R44 | 7° 1           | 27°31          | 16°11 | 19°34          | 0°53          | 2°30  | 29°40          | 1° 7 | 13°33  | 26°13          | M12  |
| T 13 | 17 23 53 | 21°38'03           | 11 <b>M</b> 23       | 11°38          | 19°43  | 7°32           | 27°42          | 16°19 | 19°33          | 0°54          | 2°32  | 29°35          | 1° 4 | 13°40  | 26°14          | T 13 |
| W14  | 17 27 50 | 22°35'21           | 25°54                | 11°19          | 19°41  | 8° 3           | 27°53          | 16°26 | 19°32          | 0°56          | 2°33  | 29°29          | 1° 1 | 13°46  | 26°15          | W14  |
| T 15 | 17 31 46 | 23°32'37           | 10 <b>×7</b> 46      | 11° 4          | 19°35  | 8°34           | 28° 4          | 16°33 | 19°32          | 0°58          | 2°35  | 29°24          | 0°58 | 13°53  | 26°15          | T 15 |
| F 16 | 17 35 43 | 24°29'53           | 25°52                | 10°53          | 19°28  | 9° 5           | 28°15          | 16°41 | 19°30          | 1° 0          | 2°36  | 29°20          | 0°54 | 14° 0  | 26°16          | F 16 |
| S 17 | 17 39 39 | 25°27'09           | 11중 2                | 10°46          | 19°18  | 9°37           | 28°26          | 16°48 | 19°29          | 1° 2          | 2°38  | 29°17          | 0°51 | 14° 6  | 26°17          | S 17 |
| S 18 | 17 43 36 | 26°24'24           | 26° 6                | 10°D43         | 19° 5  | 10° 8          | 28°37          | 16°56 | 19°28          | 1° 4          | 2°39  | 29°D16         | 0°48 | 14°13  | 26°17          | S 18 |
| M19  | 17 47 32 | 27°21'38           | 10≈56                | 10°45          | 18°51  | 10°40          | 28°48          | 17° 3 | 19°27          | 1° 6          | 2°41  | 29°17          | 0°45 | 14°19  | 26°18          | M19  |
| T 20 | 17 51 29 | 28°18'53           | 25°27                | 10°52          | 18°33  | 11°12          | 28°58          | 17°11 | 19°26          | 1° 7          | 2°42  | 29°18          | 0°42 | 14°26  | 26°19          | T 20 |
| W21  | 17 55 26 | 29°16'07           | 9 <b>∺</b> 35        | 11° 3          | 18°14  | 11°44          | 29° 9          | 17°18 | 19°25          | 1° 9          | 2°43  | 29°19          | 0°39 | 14°33  | 26°19          | W21  |
| T 22 | 17 59 22 | 09513'20           | 23°19                | 11°19          | 17°52  | 12°16          | 29°19          | 17°26 | 19°24          | 1°11          | 2°45  | 29°20          | 0°35 | 14°39  | 26°19          | T 22 |
| F 23 | 18 3 19  | 1°10'34            | 6 <b>Ƴ</b> 41        | 11°40          | 17°28  | 12°48          | 29°29          | 17°33 | 19°22          | 1°13          | 2°46  | 29°R20         | 0°32 | 14°46  | 26°20          | F 23 |
| S 24 | 18 7 15  | 2° 7'48            | 19°41                | 12° 6          | 17° 2  | 13°21          | 29°39          | 17°41 | 19°21          | 1°15          | 2°48  | 29°19          | 0°29 | 14°53  | 26°20          | S 24 |
| S 25 | 18 11 12 | 3° 5'01            | 2 <b>8</b> 24        | 12°36          | 16°35  | 13°53          | 29°49          | 17°48 | 19°19          | 1°17          | 2°49  | 29°17          | 0°26 | 14°59  | 26°20          | S 25 |
| M26  | 18 15 8  | 4° 2'15            | 14°52                | 13°11          | 16° 5  | 14°26          | 29°59          | 17°56 | 19°18          | 1°19          | 2°51  | 29°13          | 0°23 | 15° 6  | 26°21          | M26  |
| T 27 | 18 19 5  | 4°59'29            | 27° 6                | 13°50          | 15°34  | 14°59          | 0 <b>8</b> 9   | 18° 4 | 19°17          | 1°21          | 2°52  | 29°10          | 0°20 | 15°13  | 26°21          | T 27 |
| W28  | 18 23 1  | 5°56'42            | 9 <b>Ⅱ</b> 11        | 14°33          | 15° 1  | 15°32          | 0°19           | 18°11 | 19°15          | 1°23          | 2°54  | 29° 6          | 0°16 | 15°19  | 26°21          | W28  |
| T 29 | 18 26 58 | 6°53'56            | 21° 9                | 15°22          | 14°27  | 16° 5          | 0°28           | 18°19 | 19°14          | 1°25          | 2°55  | 29° 2          | 0°13 | 15°26  | 26°R21         | T 29 |
| F 30 | 18 30 55 | 7 <b>9</b> 51'09   | 3 <b>9</b> 0         | 16 <b>Ⅱ</b> 14 | 13952  | 16 <b>M</b> 38 | 0 <b>8</b> 38  | 18927 | 19≈12          | 1 <b>Ω</b> 27 | 2957  | 29중 0          | 0≈10 | 15933  | 26 <b>∺</b> 21 | F 30 |

Delta T = 18.91 sec

JULY 1916 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | ·             | ♂               | 4             | ħ      | )∤(           | 卉             | Р     | 'n             | v              | Ç      | ę,             | Day  |
|------|----------|-------------------|----------------|----------------|---------------|-----------------|---------------|--------|---------------|---------------|-------|----------------|----------------|--------|----------------|------|
| S 1  | 18 34 51 | 8948'23           | 149548         | 17 <b>I</b> I1 | 13°R16        | 17 <b>M</b> )11 | 0 <b>8</b> 47 | 18935  | 19°R10        | 1 <b>Q</b> 30 | 2958  | 28°R58         | 0≈ 7           | 15939  | 26°R21         | S 1  |
| S 2  | 18 38 48 | 9°45'36           | 26°35          | 18°12          | 12539         | 17°45           | 0°56          | 18°42  | 19 <b>≈</b> 9 | 1°32          | 3° 0  | 28°D57         | 0° 4           | 15°46  | 26 <b>)</b> 21 | S 2  |
| M 3  | 18 42 44 | 10°42'49          | 8 <b>Ω</b> 23  | 19°17          | 12° 1         | 18°18           | 1° 5          | 18°50  | 19° 7         | 1°34          | 3° 1  | 28 <b>궁</b> 58 | 0° 0           | 15°53  | 26°21          | M 3  |
| T 4  | 18 46 41 | 11°40'02          | 20°15          | 20°27          | 11°24         | 18°52           | 1°14          | 18°58  | 19° 5         | 1°36          | 3° 2  | 28°58          | 29 <b>궁</b> 57 | 15°59  | 26°20          | T 4  |
| W 5  | 18 50 37 | 12°37'15          | 2 Mp 14        | 21°40          | 10°47         | 19°26           | 1°23          | 19° 6  | 19° 4         | 1°38          | 3° 4  | 29° 0          | 29°54          | 16° 6  | 26°20          | W 5  |
| T 6  | 18 54 34 | 13°34'27          | 14°24          | 22°58          | 10° 9         | 19°59           | 1°32          | 19°13  | 19° 2         | 1°40          | 3° 5  | 29° 1          | 29°51          | 16°13  | 26°20          | T 6  |
| F 7  | 18 58 30 | 14°31'39          | 26°48          | 24°19          | 9°33          | 20°33           | 1°40          | 19°21  | 19° 0         | 1°42          | 3° 7  | 29° 2          | 29°48          | 16°19  | 26°19          | F 7  |
| S 8  | 19 2 27  | 15°28'51          | 9 <b>≏</b> 31  | 25°44          | 8°57          | 21° 8           | 1°49          | 19°29  | 18°58         | 1°44          | 3° 8  | 29°R 3         | 29°45          | 16°26  | 26°19          | S 8  |
| S 9  | 19 6 24  | 16°26'03          | 22°36          | 27°14          | 8°22          | 21°42           | 1°57          | 19°37  | 18°56         | 1°47          | 3°10  | 29° 3          | 29°41          | 16°32  | 26°18          | S 9  |
| M10  | 19 10 20 | 17°23'15          | 6M 5           | 28°47          | 7°48          | 22°16           | 2° 5          | 19°44  | 18°54         | 1°49          | 3°11  | 29° 2          | 29°38          | 16°39  | 26°18          | M10  |
| T 11 | 19 14 17 | 18°20'27          | 20° 2          | 0ഇ23           | 7°15          | 22°51           | 2°13          | 19°52  | 18°52         | 1°51          | 3°13  | 29° 1          | 29°35          | 16°46  | 26°17          | T 11 |
| W12  | 19 18 13 | 19°17'39          | 4 <b>₹</b> 24  | 2° 4           | 6°44          | 23°25           | 2°21          | 20° 0  | 18°50         | 1°53          | 3°14  | 29° 0          | 29°32          | 16°52  | 26°17          | W12  |
| T 13 | 19 22 10 | 20°14'51          | 1 <u>9</u> ° 9 | 3°47           | 6°15          | 24° 0           | 2°29          | 20° 8  | 18°49         | 1°55          | 3°15  | 28°59          | 29°29          | 16°59  | 26°16          | T 13 |
| F 14 | 19 26 6  | 21°12'03          | 4 <b>궁</b> 12  | 5°34           | 5°48          | 24°35           | 2°36          | 20°16  | 18°47         | 1°57          | 3°17  | 28°58          | 29°26          | 17° 6  | 26°15          | F 14 |
| S 15 | 19 30 3  | 22° 9'16          | 19°23          | 7°25           | 5°22          | 25° 9           | 2°44          | 20°23  | 18°44         | 2° 0          | 3°18  | 28°58          | 29°22          | 17°12  | 26°14          | S 15 |
| S 16 | 19 33 59 | 23° 6'28          | 4≈34           | 9°18           | 4°59          | 25°44           | 2°51          | 20°31  | 18°42         | 2° 2          | 3°20  | 28°D58         | 29°19          | 17°19  | 26°14          | S 16 |
| M17  | 19 37 56 | 24° 3'41          | 19°35          | 11°14          | 4°38          | 26°19           | 2°58          | 20°39  | 18°40         | 2° 4          | 3°21  | 28°58          | 29°16          | 17°26  | 26°13          | M17  |
| T 18 | 19 41 53 | 25° 0'55          | 4 <b>米</b> 19  | 13°12          | 4°19          | 26°55           | 3° 5          | 20°47  | 18°38         | 2° 6          | 3°22  | 28°58          | 29°13          | 17°32  | 26°12          | T 18 |
| W19  | 19 45 49 | 25°58'09          | 18°39          | 15°12          | 4° 2          | 27°30           | 3°12          | 20°54  | 18°36         | 2° 8          | 3°24  | 28°59          | 29°10          | 17°39  | 26°11          | W19  |
| T 20 | 19 49 46 | 26°55'24          | 2 <b>Υ</b> 33  | 17°15          | 3°48          | 28° 5           | 3°19          | 21° 2  | 18°34         | 2°11          | 3°25  | 28°59          | 29° 6          | 17°46  | 26°10          | T 20 |
| F 21 | 19 53 42 | 27°52'39          | 16° 1          | 19°19          | 3°36          | 28°41           | 3°25          | 21°10  | 18°32         | 2°13          | 3°26  | 28°59          | 29° 3          | 17°52  | 26° 9          | F 21 |
| S 22 | 19 57 39 | 28°49'56          | 29° 3          | 21°24          | 3°27          | 29°16           | 3°32          | 21°18  | 18°30         | 2°15          | 3°28  | 28°59          | 29° 0          | 17°59  | 26° 8          | S 22 |
| S 23 | 20 1 35  | 29°47'13          | 11844          | 23°30          | 3°20          | 29°52           | 3°38          | 21°26  | 18°27         | 2°17          | 3°29  | 28°59          | 28°57          | 18° 6  | 26° 6          | S 23 |
| M24  | 20 5 32  | 0 <b>ん</b> 44'32  | 24° 7          | 25°37          | 3°15          | 0 <b>ჲ</b> 28   | 3°44          | 21°33  | 18°25         | 2°20          | 3°31  | 28°59          | 28°54          | 18°12  | 26° 5          | M24  |
| T 25 | 20 9 28  | 1°41'51           | 6 <b>Ⅱ</b> 15  | 27°44          | 3°D13         | 1° 4            | 3°50          | 21°41  | 18°23         | 2°22          | 3°32  | 28°59          | 28°51          | 18°19  | 26° 4          | T 25 |
| W26  | 20 13 25 | 2°39'11           | 18°13          | 29°51          | 3°13          | 1°40            | 3°56          | 21°49  | 18°21         | 2°24          | 3°33  | 29° 0          | 28°47          | 18°25  | 26° 3          | W26  |
| T 27 | 20 17 22 | 3°36'32           | 095 4          | 1 <b>Ω</b> 58  | 3°15          | 2°16            | 4° 1          | 21°56  | 18°18         | 2°26          | 3°34  | 29° 0          | 28°44          | 18°32  | 26° 1          | T 27 |
| F 28 | 20 21 18 | 4°33'54           | 11°51          | 4° 4           | 3°20          | 2°52            | 4° 7          | 22° 4  | 18°16         | 2°28          | 3°36  | 29° 1          | 28°41          | 18°39  | 26° 0          | F 28 |
| S 29 | 20 25 15 | 5°31'17           | 23°38          | 6°10           | 3°27          | 3°28            | 4°12          | 22°12  | 18°14         | 2°31          | 3°37  | 29°R 1         | 28°38          | 18°45  | 25°58          | S 29 |
| S 30 | 20 29 11 | 6°28'40           | 5 <b>Ω</b> 27  | 8°15           | 3°36          | 4° 4            | 4°17          | 22°19  | 18°11         | 2°33          | 3°38  | 29° 1          | 28°35          | 18°52  | 25°57          | S 30 |
| M31  | 20 33 8  | $7\Omega_{26'05}$ | 17 <b>Ω</b> 21 | 10 <b>Ω</b> 19 | 3 <b>9</b> 47 | 4 <b>≏</b> 41   | 4 <b>8</b> 22 | 229527 | 18 <b>≈</b> 9 | 2 <b>Ω</b> 35 | 39540 | 29중 1          | 28 <b>궁</b> 32 | 189559 | 25 <b>米</b> 55 | M31  |

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AUGUST 1916 00:00 UT

| Day  | Sid.t    | 0                     | D               | <b>Σ</b> +     | φ     | ð              | 4             | ħ     | ኊ             | ¥             | Р     | ß              | Ω              | Ç      | ę,              | Day  |
|------|----------|-----------------------|-----------------|----------------|-------|----------------|---------------|-------|---------------|---------------|-------|----------------|----------------|--------|-----------------|------|
| T 1  | 20 37 4  | 8 <b>\Omega</b> 23'30 | 29 <b>N</b> 21  | 12 <b>Ω</b> 21 | 499 0 | 5 <b>≙</b> 17  | 4827          | 22935 | 18°R 7        | 2 <b>N</b> 37 | 39541 | 29°R 0         | 28 <b>궁</b> 28 | 1995 5 | 25°R54          | T 1  |
| W 2  | 20 41 1  | 9°20'56               | 11 <b>m</b> 29  | 14°23          | 4°15  | 5°54           | 4°31          | 22°42 | 18 <b>≈</b> 4 | 2°40          | 3°42  | 28 <b>궁</b> 58 | 28°25          | 19°12  | 25 <b>米</b> 52  | W 2  |
| T 3  | 20 44 57 | 10°18'23              | 23°49           | 16°23          | 4°32  | 6°31           | 4°36          | 22°50 | 18° 2         | 2°42          | 3°43  | 28°57          | 28°22          | 19°19  | 25°50           | T 3  |
| F 4  | 20 48 54 | 11°15'50              | 6 <b>≏</b> 21   | 18°21          | 4°51  | 7° 8           | 4°40          | 22°57 | 18° 0         | 2°44          | 3°44  | 28°55          | 28°19          | 19°25  | 25°49           | F 4  |
| S 5  | 20 52 51 | 12°13'18              | 19° 9           | 20°18          | 5°12  | 7°45           | 4°44          | 23° 5 | 17°57         | 2°46          | 3°46  | 28°54          | 28°16          | 19°32  | 25°47           | S 5  |
| S 6  | 20 56 47 | 13°10'47              | 2 <b>M</b> .15  | 22°14          | 5°35  | 8°22           | 4°48          | 23°12 | 17°55         | 2°48          | 3°47  | 28°53          | 28°12          | 19°39  | 25°45           | S 6  |
| M 7  | 21 0 44  | 14° 8'17              | 15°40           | 24° 8          | 5°59  | 8°59           | 4°51          | 23°20 | 17°53         | 2°51          | 3°48  | 28°D53         | 28° 9          | 19°45  | 25°43           | M 7  |
| T 8  | 21 4 40  | 15° 5'48              | 29°27           | 26° 1          | 6°24  | 9°36           | 4°55          | 23°27 | 17°50         | 2°53          | 3°49  | 28°53          | 28° 6          | 19°52  | 25°41           | T 8  |
| W 9  | 21 8 37  | 16° 3'19              | 13 <b>∡</b> ³36 | 27°52          | 6°52  | 10°13          | 4°58          | 23°35 | 17°48         | 2°55          | 3°50  | 28°54          | 28° 3          | 19°59  | 25°39           | W 9  |
| T 10 | 21 12 33 | 17° 0'51              | 2 <u>8°</u> 5   | 29°42          | 7°21  | 10°51          | 5° 1          | 23°42 | 17°45         | 2°57          | 3°51  | 28°55          | 28° 0          | 20° 5  | 25°37           | T 10 |
| F 11 | 21 16 30 | 17°58'25              | 12 <b>る</b> 52  | 1 <b>m</b> 30  | 7°51  | 11°28          | 5° 4          | 23°49 | 17°43         | 2°59          | 3°53  | 28°57          | 27°57          | 20°12  | 25°35           | F 11 |
| S 12 | 21 20 27 | 18°55'59              | 27°50           | 3°16           | 8°23  | 12° 6          | 5° 7          | 23°57 | 17°41         | 3° 1          | 3°54  | 28°R57         | 27°53          | 20°18  | 25°33           | S 12 |
| S 13 | 21 24 23 | 19°53'34              | 12≈52           | 5° 1           | 8°56  | 12°43          | 5° 9          | 24° 4 | 17°38         | 3° 4          | 3°55  | 28°57          | 27°50          | 20°25  | 25°31           | S 13 |
| M14  | 21 28 20 | 20°51'10              | 27°50           | 6°45           | 9°30  | 13°21          | 5°12          | 24°11 | 17°36         | 3° 6          | 3°56  | 28°55          | 27°47          | 20°32  | 25°29           | M14  |
| T 15 | 21 32 16 | 21°48'48              | 12 <b>∺</b> 36  | 8°27           | 10° 6 | 13°59          | 5°14          | 24°19 | 17°33         | 3° 8          | 3°57  | 28°53          | 27°44          | 20°38  | 25°27           | T 15 |
| W16  | 21 36 13 | 22°46'27              | 27° 2           | 10° 7          | 10°43 | 14°36          | 5°16          | 24°26 | 17°31         | 3°10          | 3°58  | 28°49          | 27°41          | 20°45  | 25°25           | W16  |
| T 17 | 21 40 9  | 23°44'07              | 11 <b>°</b> 3   | 11°46          | 11°21 | 15°14          | 5°17          | 24°33 | 17°29         | 3°12          | 3°59  | 28°46          | 27°38          | 20°52  | 25°23           | T 17 |
| F 18 | 21 44 6  | 24°41'49              | 24°37           | 13°24          | 12° 1 | 15°52          | 5°19          | 24°40 | 17°26         | 3°14          | 4° 0  | 28°43          | 27°34          | 20°58  | 25°20           | F 18 |
| S 19 | 21 48 2  | 25°39'32              | 7 <b>8</b> 44   | 15° 0          | 12°41 | 16°31          | 5°20          | 24°47 | 17°24         | 3°16          | 4° 1  | 28°41          | 27°31          | 21° 5  | 25°18           | S 19 |
| S 20 | 21 51 59 | 26°37'18              | 20°28           | 16°35          | 13°23 | 17° 9          | 5°22          | 24°54 | 17°22         | 3°18          | 4° 2  | 28°39          | 27°28          | 21°12  | 25°16           | S 20 |
| M21  | 21 55 55 | 27°35'05              | 2 <b>II</b> 50  | 18° 9          | 14° 5 | 17°47          | 5°23          | 25° 1 | 17°19         | 3°21          | 4° 3  | 28°D39         | 27°25          | 21°18  | 25°14           | M21  |
| T 22 | 21 59 52 | 28°32'53              | 14°57           | 19°41          | 14°49 | 18°25          | 5°23          | 25° 8 | 17°17         | 3°23          | 4° 4  | 28°40          | 27°22          | 21°25  | 25°11           | T 22 |
| W23  | 22 3 49  | 29°30'44              | 26°52           | 21°11          | 15°33 | 19° 4          | 5°24          | 25°15 | 17°15         | 3°25          | 4° 5  | 28°42          | 27°18          | 21°32  | 25° 9           | W23  |
| T 24 | 22 7 45  | 0 <b>₯</b> 28'36      | 8 <b>9</b> 541  | 22°40          | 16°18 | 19°42          | 5°24          | 25°22 | 17°12         | 3°27          | 4° 6  | 28°44          | 27°15          | 21°38  | 25° 6           | T 24 |
| F 25 | 22 11 42 | 1°26'30               | 20°28           | 24° 8          | 17° 5 | 20°21          | 5°R25         | 25°29 | 17°10         | 3°29          | 4° 7  | 28°45          | 27°12          | 21°45  | 25° 4           | F 25 |
| S 26 | 22 15 38 | 2°24'25               | 2 <b>Ω</b> 16   | 25°34          | 17°52 | 21° 0          | 5°25          | 25°36 | 17° 8         | 3°31          | 4° 7  | 28°R45         | 27° 9          | 21°52  | 25° 1           | S 26 |
| S 27 | 22 19 35 | 3°22'22               | 14°11           | 26°59          | 18°39 | 21°39          | 5°24          | 25°42 | 17° 5         | 3°33          | 4° 8  | 28°44          | 27° 6          | 21°58  | 24°59           | S 27 |
| M28  | 22 23 31 | 4°20'21               | 26°13           | 28°22          | 19°28 | 22°17          | 5°24          | 25°49 | 17° 3         | 3°35          | 4° 9  | 28°41          | 27° 3          | 22° 5  | 24°56           | M28  |
| T 29 | 22 27 28 | 5°18'21               | 8 <b>m</b> /25  | 29°44          | 20°17 | 22°56          | 5°23          | 25°56 | 17° 1         | 3°37          | 4°10  | 28°37          | 26°59          | 22°11  | 24°54           | T 29 |
| W30  | 22 31 24 | 6°16'23               | 20°48           | 1 <u>₽</u> 4   | 21° 8 | 23°36          | 5°22          | 26° 2 | 16°59         | 3°39          | 4°11  | 28°31          | 26°56          | 22°18  | 24°51           | W30  |
| T 31 | 22 35 21 | 7 <b>m</b> ) 14'26    | 3 <b>≏</b> 24   | 2 <b>ჲ</b> 22  | 21958 | 24 <b>≏</b> 15 | 5 <b>8</b> 21 | 269 9 | 16≈56         | 3 <b>Ω</b> 41 | 49911 | 28 <b>궁</b> 24 | 26 <b>궁</b> 53 | 229525 | 24 <b>)</b> (49 | T 31 |

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SEPTEMBER 1916 00:00 UT

| Day         | Sid.t                | 0                    | D                     | ğ              | Q               | ď              | 4             | ħ              | )∤(            | 并             | Р            | 'n             | ß              | ţ              | Ŷ,             | Day         |
|-------------|----------------------|----------------------|-----------------------|----------------|-----------------|----------------|---------------|----------------|----------------|---------------|--------------|----------------|----------------|----------------|----------------|-------------|
| F 1         | 22 39 18             | 8 Mp 12'31           | 16 <b>₽</b> 12        | 3 <b>₾</b> 39  | 22950           | 24 <b>♀</b> 54 | 5°R20         | 269915         | 16°R54         | 3 <b>Ω</b> 42 | 49512        | 28°R17         | 26 <b>궁</b> 50 | 22931          | 24°R46         | F 1         |
| S 2         | 22 43 14             | 9°10'38              | 29°14                 | 4°54           | 23°42           | 25°33          | 5 <b>8</b> 19 | 26°22          | 16≈52          | 3°44          | 4°13         | 28 <b>ਰ</b> 11 | 26°47          | 22°38          | 24 <b>)</b> 44 | S 2         |
| S 3         | 22 47 11             | 10° 8'46             | 12 <b>M</b> 29        | 6° 8           | 24°35           | 26°13          | 5°17          | 26°28          | 16°50          | 3°46          | 4°14         | 28° 6          | 26°43          | 22°45          | 24°41          | S 3         |
| M 4         | 22 51 7              | 11° 6'55             | 25°58                 | 7°19           | 25°28           | 26°52          | 5°15          | 26°35          | 16°48          | 3°48          | 4°14         | 28° 4          | 26°40          | 22°51          | 24°38          | M 4         |
| T 5         | 22 55 4              | 12° 5'06             | 9 <b>∡</b> 742        | 8°29           | 26°22           | 27°32          | 5°13          | 26°41          | 16°46          | 3°50          | 4°15         | 28°D 2         | 26°37          | 22°58          | 24°36          | T 5         |
| W 6         | 22 59 0              | 13° 3'19             | 23°41                 | 9°36           | 27°17           | 28°11          | 5°11          | 26°47          | 16°44          | 3°52          | 4°16         | 28° 3          | 26°34          | 23° 5          | 24°33          | W 6         |
| T 7         | 23 2 57              | 14° 1'33             | 7 <b>궁</b> 53         | 10°42          | 28°12           | 28°51          | 5° 9          | 26°53          | 16°42          | 3°54          | 4°16         | 28° 4          | 26°31          | 23°11          | 24°30          | T 7         |
| F 8         | 23 6 53              | 14°59'48             | 22°19                 | 11°45          | 29° 8           | 29°31          | 5° 6          | 26°59          | 16°40          | 3°55          | 4°17         | 28°R 5         | 26°28          | 23°18          | 24°28          | F 8         |
| S 9         | 23 10 50             | 15°58'05             | 6≈55                  | 12°45          | 0 <b>Ω</b> 4    | 0 <b>M</b> _10 | 5° 3          | 27° 5          | 16°38          | 3°57          | 4°18         | 28° 5          | 26°24          | 23°25          | 24°25          | S 9         |
| S 10        | 23 14 47             | 16°56'23             | 21°37                 | 13°43          | 1° 0            | 0°50           | 5° 0          | 27°11          | 16°36          | 3°59          | 4°18         | 28° 3          | 26°21          | 23°31          | 24°22          | S 10        |
| M11         | 23 18 43             | 17°54'43             | 6 <b>¥</b> 18         | 14°39          | 1°58            | 1°30           | 4°57          | 27°17          | 16°34          | 4° 1          | 4°19         | 27°58          | 26°18          | 23°38          | 24°20          | M11         |
| T 12        | 23 22 40             | 18°53'05             | 20°51                 | 15°31          | 2°55            | 2°10           | 4°54          | 27°23          | 16°32          | 4° 2          | 4°19         | 27°52          | 26°15          | 23°44          | 24°17          | T 12        |
| W13<br>T 14 | 23 26 36<br>23 30 33 | 19°51'28<br>20°49'54 | 5 <b>Υ</b> 10<br>19°8 | 16°21<br>17° 7 | 3°53<br>4°52    | 2°51<br>3°31   | 4°50<br>4°46  | 27°29<br>27°34 | 16°30<br>16°28 | 4° 4<br>4° 6  | 4°20<br>4°20 | 27°44<br>27°35 | 26°12<br>26° 9 | 23°51<br>23°58 | 24°14<br>24°11 | W13<br>T 14 |
| F 15        | 23 34 29             | 20°49'34<br>21°48'22 | 2 <b>8</b> 43         | 17°49          | 5°51            | 4°11           | 4°46<br>4°42  | 27°40          | 16°28          | 4° 6<br>4° 7  | 4°20<br>4°21 | 27°33          | 26° 5          | 23°38<br>24° 4 | 24°11<br>24° 9 | F 15        |
| S 16        | 23 34 29             | 21°46'22<br>22°46'51 | 15°52                 | 17 49<br>18°28 | 6°50            | 4°51           | 4°38          | 27°46          | 16°24          | 4° 9          | 4°21         | 27°20          | 26° 2          | 24°11          | 24° 6          | S 16        |
| S 17        | 23 42 22             | 23°45'23             | 28°38                 | 19° 2          | 7°50            | 5°32           | 4°34          | 27°51          | 16°23          | 4°10          | 4°21         | 27°15          | 25°59          | 24°18          | 24° 3          | S 17        |
| M18         | 23 46 19             | 24°43'58             | 11 <b>II</b> 2        | 19°32          | 8°51            | 6°12           | 4°29          | 27°57          | 16°21          | 4°12          | 4°22         | 27°12          | 25°56          | 24°24          | 24° 0          | M18         |
| T 19        | 23 50 16             | 25°42'34             | 23° 9                 | 19°58          | 9°51            | 6°53           | 4°25          | 28° 2          | 16°19          | 4°14          | 4°22         | 27°D10         | 25°53          | 24°31          | 23°58          | T 19        |
| W20         | 23 54 12             | 26°41'13             | 599 4                 | 20°18          | 10°52           | 7°34           | 4°20          | 28° 7          | 16°18          | 4°15          | 4°23         | 27°11          | 25°49          | 24°38          | 23°55          | W20         |
| T 21        | 23 58 9              | 27°39'53             | 16°53                 | 20°32          | 11°54           | 8°14           | 4°15          | 28°12          | 16°16          | 4°17          | 4°23         | 27°11          | 25°46          | 24°44          | 23°52          | T 21        |
| F 22        | 0 2 5                | 28°38'36             | 28°41                 | 20°41          | 12°55           | 8°55           | 4°10          | 28°18          | 16°14          | 4°18          | 4°23         | 27°R12         | 25°43          | 24°51          | 23°49          | F 22        |
| S 23        | 0 6 2                | 29°37'22             | 10 <b>Ω</b> 32        | 20°R43         | 13°58           | 9°36           | 4° 5          | 28°23          | 16°13          | 4°19          | 4°24         | 27°11          | 25°40          | 24°58          | 23°47          | S 23        |
| S 24        | 0 9 58               | 0 <b>ჲ</b> 36'09     | 22°31                 | 20°39          | 15° 0           | 10°17          | 3°59          | 28°28          | 16°11          | 4°21          | 4°24         | 27° 8          | 25°37          | 25° 4          | 23°44          | S 24        |
| M25         | 0 13 55              | 1°34'58              | 4 <b>m</b> 43         | 20°27          | 16° 3           | 10°58          | 3°53          | 28°33          | 16°10          | 4°22          | 4°24         | 27° 2          | 25°34          | 25°11          | 23°41          | M25         |
| T 26        | 0 17 51              | 2°33'50              | 17° 8                 | 20° 9          | 17° 6           | 11°39          | 3°48          | 28°37          | 16° 9          | 4°24          | 4°24         | 26°54          | 25°30          | 25°17          | 23°39          | T 26        |
| W27         | 0 21 48              | 3°32'43              | 29°48                 | 19°43          | 18° 9           | 12°21          | 3°42          | 28°42          | 16° 7          | 4°25          | 4°24         | 26°44          | 25°27          | 25°24          | 23°36          | W27         |
| T 28        | 0 25 45              | 4°31'39              | 12 <b>Ω</b> 45        | 19° 9          | 19°13           | 13° 2          | 3°36          | 28°47          | 16° 6          | 4°26          | 4°25         | 26°32          | 25°24          | 25°31          | 23°33          | T 28        |
| F 29        | 0 29 41              | 5°30'37              | 25°55                 | 18°28          | 20°17           | 13°43          | 3°29          | 28°51          | 16° 4          | 4°28          | 4°25         | 26°20          | 25°21          | 25°37          | 23°31          | F 29        |
| S 30        | 0 33 38              | 6 <b>₽</b> 29'36     | 9 <b>IL</b> 19        | 17 <b>≙</b> 40 | 21 <b>\O</b> 21 | 14ML25         | 3 <b>8</b> 23 | 28956          | 16≈ 3          | 4 <b>Ω</b> 29 | 4925         | 26 <b>궁</b> 9  | 25 <b>중</b> 18 | 259644         | 23 <b>米</b> 28 | S 30        |

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OCTOBER 1916 00:00 UT

| Day  | Sid.t   | 0                | )               | φ              | φ               | δ              | 4              | ħ            | ) <del>/</del> ( | ¥             | Р     | R              | Ω              | Ç      | ď              | Day  |
|------|---------|------------------|-----------------|----------------|-----------------|----------------|----------------|--------------|------------------|---------------|-------|----------------|----------------|--------|----------------|------|
| S 1  | 0 37 34 | 7 <b>≏</b> 28'38 | 22 <b>M</b> 53  | 16°R46         | 22 <b>\O</b> 26 | 15 <b>M</b> 6  | 3°R16          | 2999 0       | 16°R 2           | 4 <b>Ω</b> 30 | 49525 | 26°R 0         | 25 <b>궁</b> 15 | 25951  | 23°R25         | S 1  |
| M 2  | 0 41 31 | 8°27'41          | 6 <b>₮</b> 37   | 15 <b>≏</b> 46 | 23°31           | 15°48          | 3 <b>8</b> 10  | 29° 4        | 16≈ 1            | 4°31          | 4°25  | 25 <b>る</b> 54 | 25°11          | 25°57  | 23 <b>米</b> 23 | M 2  |
| T 3  | 0 45 27 | 9°26'46          | 20°28           | 14°41          | 24°36           | 16°30          | 3° 3           | 29° 9        | 16° 0            | 4°32          | 4°25  | 25°51          | 25° 8          | 26° 4  | 23°20          | T 3  |
| W 4  | 0 49 24 | 10°25'53         | 4 <b>云</b> 27   | 13°33          | 25°41           | 17°11          | 2°56           | 29°13        | 15°59            | 4°34          | 4°25  | 25°49          | 25° 5          | 26°11  | 23°17          | W 4  |
| T 5  | 0 53 20 | 11°25'02         | 18°31           | 12°23          | 26°47           | 17°53          | 2°49           | 29°17        | 15°58            | 4°35          | 4°R25 | 25°49          | 25° 2          | 26°17  | 23°15          | T 5  |
| F 6  | 0 57 17 | 12°24'13         | 2≈41            | 11°13          | 27°53           | 18°35          | 2°42           | 29°21        | 15°57            | 4°36          | 4°25  | 25°49          | 24°59          | 26°24  | 23°12          | F 6  |
| S 7  | 1 1 14  | 13°23'25         | 16°55           | 10° 6          | 28°59           | 19°17          | 2°35           | 29°25        | 15°56            | 4°37          | 4°25  | 25°48          | 24°55          | 26°31  | 23°10          | S 7  |
| S 8  | 1 5 10  | 14°22'39         | 1 <b>) (</b> 12 | 9° 2           | 0 <b>m</b> y 5  | 19°59          | 2°27           | 29°28        | 15°55            | 4°38          | 4°25  | 25°44          | 24°52          | 26°37  | 23° 7          | S 8  |
| M 9  | 1 9 7   | 15°21'54         | 15°27           | 8° 4           | 1°12            | 20°41          | 2°20           | 29°32        | 15°54            | 4°39          | 4°25  | 25°38          | 24°49          | 26°44  | 23° 5          | M 9  |
| T 10 | 1 13 3  | 16°21'12         | 29°36           | 7°14           | 2°18            | 21°23          | 2°13           | 29°36        | 15°53            | 4°40          | 4°25  | 25°28          | 24°46          | 26°51  | 23° 2          | T 10 |
| W11  | 1 17 0  | 17°20'31         | 13 <b>Y</b> 35  | 6°32           | 3°25            | 22° 5          | 2° 5           | 29°39        | 15°52            | 4°41          | 4°25  | 25°17          | 24°43          | 26°57  | 23° 0          | W11  |
| T 12 | 1 20 56 | 18°19'53         | 27°19           | 6° 0           | 4°33            | 22°48          | 1°57           | 29°43        | 15°52            | 4°42          | 4°25  | 25° 4          | 24°40          | 27° 4  | 22°57          | T 12 |
| F 13 | 1 24 53 | 19°19'16         | 10844           | 5°39           | 5°40            | 23°30          | 1°50           | 29°46        | 15°51            | 4°42          | 4°24  | 24°52          | 24°36          | 27°10  | 22°55          | F 13 |
| S 14 | 1 28 49 | 20°18'42         | 23°48           | 5°D29          | 6°48            | 24°13          | 1°42           | 29°49        | 15°50            | 4°43          | 4°24  | 24°41          | 24°33          | 27°17  | 22°53          | S 14 |
| S 15 | 1 32 46 | 21°18'10         | 6 <b>Ⅲ</b> 31   | 5°30           | 7°55            | 24°55          | 1°34           | 29°52        | 15°50            | 4°44          | 4°24  | 24°32          | 24°30          | 27°24  | 22°50          | S 15 |
| M16  | 1 36 42 | 22°17'41         | 18°54           | 5°42           | 9° 3            | 25°38          | 1°26           | 29°55        | 15°49            | 4°45          | 4°24  | 24°26          | 24°27          | 27°30  | 22°48          | M16  |
| T 17 | 1 40 39 | 23°17'13         | 199 1           | 6° 4           | 10°12           | 26°20          | 1°18           | 29°58        | 15°49            | 4°46          | 4°24  | 24°23          | 24°24          | 27°37  | 22°46          | T 17 |
| W18  | 1 44 36 | 24°16'48         | 12°57           | 6°36           | 11°20           | 27° 3          | 1°10           | $0\Omega$ 1  | 15°48            | 4°46          | 4°23  | 24°22          | 24°20          | 27°44  | 22°44          | W18  |
| T 19 | 1 48 32 | 25°16'25         | 24°46           | 7°17           | 12°29           | 27°46          | 1° 2           | 0° 4         | 15°48            | 4°47          | 4°23  | 24°22          | 24°17          | 27°50  | 22°41          | T 19 |
| F 20 | 1 52 29 | 26°16'05         | 6 <b>Ω</b> 34   | 8° 7           | 13°38           | 28°29          | 0°54           | 0° 6         | 15°48            | 4°48          | 4°23  | 24°21          | 24°14          | 27°57  | 22°39          | F 20 |
| S 21 | 1 56 25 | 27°15'46         | 18°26           | 9° 4           | 14°47           | 29°12          | 0°46           | 0° 9         | 15°47            | 4°48          | 4°22  | 24°20          | 24°11          | 28° 4  | 22°37          | S 21 |
| S 22 | 2 0 22  | 28°15'30         | 0 <b>m</b> 29   | 10° 7          | 15°56           | 29°55          | 0°38           | 0°11         | 15°47            | 4°49          | 4°22  | 24°17          | 24° 8          | 28°10  | 22°35          | S 22 |
| M23  | 2 4 18  | 29°15'16         | 12°45           | 11°17          | 17° 5           | 0 <b>,</b> ₹38 | 0°29           | 0°13         | 15°47            | 4°49          | 4°22  | 24°11          | 24° 5          | 28°17  | 22°33          | M23  |
| T 24 | 2 8 15  | 0 <b>M</b> 15'04 | 25°20           | 12°31          | 18°14           | 1°21           | 0°21           | 0°16         | 15°47            | 4°50          | 4°21  | 24° 2          | 24° 1          | 28°24  | 22°31          | T 24 |
| W25  | 2 12 11 | 1°14'55          | 8 <b>≏</b> 14   | 13°50          | 19°24           | 2° 4           | 0°13           | 0°18         | 15°47            | 4°50          | 4°21  | 23°51          | 23°58          | 28°30  | 22°29          | W25  |
| T 26 | 2 16 8  | 2°14'47          | 21°29           | 15°13          | 20°34           | 2°47           | 0° 5           | 0°20         | 15°D47           | 4°51          | 4°20  | 23°38          | 23°55          | 28°37  | 22°27          | T 26 |
| F 27 | 2 20 5  | 3°14'41          | 5 <b>™</b> 2    | 16°39          | 21°44           | 3°31           | 29 <b>Y</b> 57 | 0°22         | 15°47            | 4°51          | 4°20  | 23°25          | 23°52          | 28°43  | 22°25          | F 27 |
| S 28 | 2 24 1  | 4°14'38          | 18°51           | 18° 8          | 22°54           | 4°14           | 29°49          | 0°23         | 15°47            | 4°52          | 4°19  | 23°14          | 23°49          | 28°50  | 22°23          | S 28 |
| S 29 | 2 27 58 | 5°14'36          | 2 <b>₹</b> 52   | 19°38          | 24° 4           | 4°58           | 29°41          | 0°25         | 15°47            | 4°52          | 4°19  | 23° 4          | 23°46          | 28°57  | 22°21          | S 29 |
| M30  | 2 31 54 | 6°14'36          | 17° 0           | 21°11          | 25°14           | 5°41           | 29°33          | 0°26         | 15°47            | 4°52          | 4°18  | 22°57          | 23°42          | 29° 3  | 22°20          | M30  |
| T 31 | 2 35 51 | 7 <b>M</b> 14'38 | 1511            | 22 <b>≏</b> 45 | 26Mp25          | 6 <b>₹</b> 25  | 29 <b>Y</b> 25 | $0\Omega 28$ | 15≈47            | $4\Omega$ 53  | 49518 | 22 <b>궁</b> 53 | 23 <b>궁</b> 39 | 299510 | 22 <b>)</b> 18 | T 31 |

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|------|---------|-------------------|------------------|----------------|----------------|----------------|----------------|---------------|-------|---------------|-------|----------------|----------------|---------------|----------------|------|
| W 1  | 2 39 47 | 8MJ14'42          | 15 <b>る</b> 22   | 24 <b>♀</b> 20 | 27 <b>m</b> 35 | 7 <b>.₹</b> 9  | 29°R17         | 0 <b>Ω</b> 29 | 15≈47 | 4 <b>Ω</b> 53 | 4°R17 | 22°R51         | 23 <b>궁</b> 36 | 299517        | 22°R16         | W 1  |
| T 2  | 2 43 44 | 9°14'47           | 29°31            | 25°56          | 28°46          | 7°52           | 29 <b>Υ</b> 9  | 0°30          | 15°48 | 4°53          | 49516 | 22°D51         | 23°33          | 29°23         | 22 <b>)</b> 14 | T 2  |
| F 3  | 2 47 40 | 10°14'53          | 13 <b>≈</b> 36   | 27°33          | 29°57          | 8°36           | 29° 1          | 0°31          | 15°48 | 4°53          | 4°16  | 22°R51         | 23°30          | 29°30         | 22°13          | F 3  |
| S 4  | 2 51 37 | 11°15'01          | 27°38            | 29°10          | 1 <b>쇼</b> 8   | 9°20           | 28°53          | 0°32          | 15°49 | 4°53          | 4°15  | 22 <b>궁</b> 50 | 23°26          | 29°37         | 22°11          | S 4  |
| S 5  | 2 55 34 | 12°15'11          | 11 <b>) (</b> 34 | 0 <b>M</b> 47  | 2°19           | 10° 4          | 28°45          | 0°33          | 15°49 | 4°53          | 4°14  | 22°47          | 23°23          | 29°43         | 22°10          | S 5  |
| M 6  | 2 59 30 | 13°15'22          | 25°25            | 2°25           | 3°30           | 10°48          | 28°38          | 0°34          | 15°50 | 4°53          | 4°14  | 22°41          | 23°20          | 29°50         | 22° 8          | M 6  |
| T 7  | 3 3 27  | 14°15'34          | 9 <b>Υ</b> 8     | 4° 2           | 4°42           | 11°32          | 28°30          | 0°35          | 15°50 | 4°R54         | 4°13  | 22°33          | 23°17          | 29°57         | 22° 7          | T 7  |
| W 8  | 3 7 23  | 15°15'48          | 22°41            | 5°40           | 5°53           | 12°16          | 28°23          | 0°35          | 15°51 | 4°54          | 4°12  | 22°22          | 23°14          | 0 <b>Ω</b> 3  | 22° 5          | W 8  |
| T 9  | 3 11 20 | 16°16'04          | 6 <b>8</b> 1     | 7°18           | 7° 5           | 13° 0          | 28°15          | 0°36          | 15°52 | 4°53          | 4°12  | 22°10          | 23°11          | 0°10          | 22° 4          | T 9  |
| F 10 | 3 15 16 | 17°16'22          | 19° 7            | 8°55           | 8°16           | 13°45          | 28° 8          | 0°36          | 15°52 | 4°53          | 4°11  | 21°59          | 23° 7          | 0°17          | 22° 3          | F 10 |
| S 11 | 3 19 13 | 18°16'41          | 1 <b>Ⅱ</b> 57    | 10°33          | 9°28           | 14°29          | 28° 1          | 0°36          | 15°53 | 4°53          | 4°10  | 21°48          | 23° 4          | 0°23          | 22° 2          | S 11 |
| S 12 | 3 23 9  | 19°17'02          | 14°30            | 12°10          | 10°40          | 15°13          | 27°54          | 0°R36         | 15°54 | 4°53          | 4° 9  | 21°40          | 23° 1          | 0°30          | 22° 0          | S 12 |
| M13  | 3 27 6  | 20°17'25          | 26°48            | 13°47          | 11°52          | 15°58          | 27°47          | 0°36          | 15°55 | 4°53          | 4° 8  | 21°35          | 22°58          | 0°36          | 21°59          | M13  |
| T 14 | 3 31 3  | 21°17'49          | 8952             | 15°24          | 13° 4          | 16°42          | 27°40          | 0°36          | 15°56 | 4°53          | 4° 8  | 21°31          | 22°55          | 0°43          | 21°58          | T 14 |
| W15  | 3 34 59 | 22°18'16          | 20°47            | 17° 1          | 14°16          | 17°27          | 27°33          | 0°36          | 15°57 | 4°53          | 4° 7  | 21°D30         | 22°52          | 0°50          | 21°57          | W15  |
| T 16 | 3 38 56 | 23°18'44          | 2 <b>Ω</b> 35    | 18°37          | 15°29          | 18°11          | 27°27          | 0°35          | 15°58 | 4°52          | 4° 6  | 21°31          | 22°48          | 0°56          | 21°56          | T 16 |
| F 17 | 3 42 52 | 24°19'14          | 14°22            | 20°13          | 16°41          | 18°56          | 27°20          | 0°35          | 15°59 | 4°52          | 4° 5  | 21°32          | 22°45          | 1° 3          | 21°55          | F 17 |
| S 18 | 3 46 49 | 25°19'46          | 26°14            | 21°49          | 17°54          | 19°41          | 27°14          | 0°34          | 16° 0 | 4°52          | 4° 4  | 21°R32         | 22°42          | 1°10          | 21°54          | S 18 |
| S 19 | 3 50 45 | 26°20'20          | 8 <b>M</b> p16   | 23°25          | 19° 6          | 20°25          | 27° 8          | 0°34          | 16° 1 | 4°51          | 4° 3  | 21°31          | 22°39          | 1°16          | 21°54          | S 19 |
| M20  | 3 54 42 | 27°20'55          | 20°33            | 25° 0          | 20°19          | 21°10          | 27° 2          | 0°33          | 16° 2 | 4°51          | 4° 2  | 21°29          | 22°36          | 1°23          | 21°53          | M20  |
| T 21 | 3 58 38 | 28°21'32          | 3 <b>₾</b> 9     | 26°36          | 21°31          | 21°55          | 26°56          | 0°32          | 16° 4 | 4°50          | 4° 1  | 21°23          | 22°32          | 1°30          | 21°52          | T 21 |
| W22  | 4 2 35  | 29°22'11          | 16° 9            | 28°11          | 22°44          | 22°40          | 26°50          | 0°31          | 16° 5 | 4°50          | 4° 0  | 21°16          | 22°29          | 1°36          | 21°51          | W22  |
| T 23 | 4 6 32  | 0 <b>₹</b> 22'51  | 29°33            | 29°46          | 23°57          | 23°25          | 26°45          | 0°30          | 16° 6 | 4°49          | 3°59  | 21° 8          | 22°26          | 1°43          | 21°51          | T 23 |
| F 24 | 4 10 28 | 1°23'33           | 13 <b>M</b> 21   | 1 <b>才</b> 20  | 25°10          | 24°10          | 26°39          | 0°28          | 16° 8 | 4°49          | 3°58  | 20°59          | 22°23          | 1°50          | 21°50          | F 24 |
| S 25 | 4 14 25 | 2°24'17           | 27°30            | 2°55           | 26°23          | 24°55          | 26°34          | 0°27          | 16° 9 | 4°48          | 3°57  | 20°51          | 22°20          | 1°56          | 21°50          | S 25 |
| S 26 | 4 18 21 | 3°25'02           | 11 <b>∡</b> 755  | 4°29           | 27°36          | 25°41          | 26°29          | 0°26          | 16°11 | 4°48          | 3°56  | 20°44          | 22°17          | 2° 3          | 21°49          | S 26 |
| M27  | 4 22 18 | 4°25'48           | 26°30            | 6° 4           | 28°49          | 26°26          | 26°24          | 0°24          | 16°12 | 4°47          | 3°55  | 20°40          | 22°13          | 2° 9          | 21°49          | M27  |
| T 28 | 4 26 14 | 5°26'35           | 11る8             | 7°38           | OM 3           | 27°11          | 26°20          | 0°22          | 16°14 | 4°46          | 3°54  | 20°37          | 22°10          | 2°16          | 21°49          | T 28 |
| W29  | 4 30 11 | 6°27'24           | 25°43            | 9°12           | 1°16           | 27°57          | 26°15          | 0°20          | 16°16 | 4°46          | 3°53  | 20°D37         | 22° 7          | 2°23          | 21°48          | W29  |
| T 30 | 4 34 8  | 7 <b>.</b> ₹28'13 | 10≈10            | 10 <b>₮</b> 46 | 2 <b>M</b> 29  | 28 <b>×</b> 42 | 26 <b>Y</b> 11 | $0\Omega$ 18  | 16≈17 | 4 <b>Ω</b> 45 | 3952  | 20 <b>궁</b> 38 | 22 <b>궁</b> 4  | 2 <b>Ω</b> 29 | 21 <b>)</b> 48 | T 30 |

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|------|---------|-------------------------------|----------------|----------------|----------------|----------------|----------------|--------|-------|---------------|-------|----------------|---------------|---------------|----------------|------|
| F 1  | 4 38 4  | 8 <b>×</b> <sup>7</sup> 29'03 | 24≈25          | 12 <b>×</b> 20 | 3 <b>M</b> .43 | 29 <b>×</b> 27 | 26°R 7         | 0°R16  | 16≈19 | 4°R44         | 3°R51 | 20 <b>궁</b> 39 | 22 <b>ට</b> 1 | 2 <b>Ω</b> 36 | 21°R48         | F 1  |
| S 2  | 4 42 1  | 9°29'54                       | 8 <b>∺</b> 28  | 13°54          | 4°56           | 0 <b>궁</b> 13  | 26 <b>Y</b> 3  | 0Ω14   | 16°21 | 4 <b>Ω</b> 43 | 3950  | 20°R40         | 21°58         | 2°43          | 21 <b>)</b> 48 | S 2  |
| S 3  | 4 45 57 | 10°30'46                      | 22°17          | 15°28          | 6°10           | 0°59           | 25°59          | 0°12   | 16°23 | 4°43          | 3°49  | 20°39          | 21°54         | 2°49          | 21°D48         | S 3  |
| M 4  | 4 49 54 | 11°31'39                      | 5 <b>Ƴ</b> 53  | 17° 1          | 7°23           | 1°44           | 25°55          | 0°10   | 16°25 | 4°42          | 3°48  | 20°37          | 21°51         | 2°56          | 21°48          | M 4  |
| T 5  | 4 53 50 | 12°32'32                      | 19°15          | 18°35          | 8°37           | 2°30           | 25°52          | 0° 7   | 16°27 | 4°41          | 3°47  | 20°33          | 21°48         | 3° 3          | 21°48          | T 5  |
| W 6  | 4 57 47 | 13°33'26                      | 2 <b>8</b> 24  | 20° 9          | 9°51           | 3°16           | 25°49          | 0° 5   | 16°29 | 4°40          | 3°46  | 20°27          | 21°45         | 3° 9          | 21°48          | W 6  |
| T 7  | 5 1 43  | 14°34'21                      | 15°21          | 21°43          | 11° 4          | 4° 1           | 25°46          | 0° 2   | 16°31 | 4°39          | 3°45  | 20°20          | 21°42         | 3°16          | 21°48          | T 7  |
| F 8  | 5 5 40  | 15°35'17                      | 28° 4          | 23°17          | 12°18          | 4°47           | 25°43          | 299559 | 16°33 | 4°38          | 3°43  | 20°14          | 21°38         | 3°23          | 21°48          | F 8  |
| S 9  | 5 9 37  | 16°36'14                      | 10 <b>Ⅱ</b> 35 | 24°50          | 13°32          | 5°33           | 25°40          | 29°57  | 16°35 | 4°37          | 3°42  | 20° 8          | 21°35         | 3°29          | 21°49          | S 9  |
| S 10 | 5 13 33 | 17°37'12                      | 22°54          | 26°24          | 14°46          | 6°19           | 25°38          | 29°54  | 16°37 | 4°36          | 3°41  | 20° 4          | 21°32         | 3°36          | 21°49          | S 10 |
| M11  | 5 17 30 | 18°38'10                      | 5 <b>95</b> 2  | 27°58          | 16° 0          | 7° 5           | 25°36          | 29°51  | 16°39 | 4°35          | 3°40  | 20° 1          | 21°29         | 3°43          | 21°50          | M11  |
| T 12 | 5 21 26 | 19°39'10                      | 17° 1          | 29°32          | 17°14          | 7°51           | 25°34          | 29°48  | 16°41 | 4°34          | 3°39  | 20°D 0         | 21°26         | 3°49          | 21°50          | T 12 |
| W13  | 5 25 23 | 20°40'10                      | 28°52          | 1ਰ 6           | 18°28          | 8°37           | 25°32          | 29°44  | 16°43 | 4°33          | 3°38  | 20° 0          | 21°23         | 3°56          | 21°50          | W13  |
| T 14 | 5 29 19 | 21°41'11                      | 10 <b>Ω</b> 40 | 2°39           | 19°42          | 9°23           | 25°31          | 29°41  | 16°46 | 4°32          | 3°37  | 20° 2          | 21°19         | 4° 3          | 21°51          | T 14 |
| F 15 | 5 33 16 | 22°42'13                      | 22°27          | 4°13           | 20°56          | 10° 9          | 25°29          | 29°38  | 16°48 | 4°31          | 3°35  | 20° 4          | 21°16         | 4° 9          | 21°52          | F 15 |
| S 16 | 5 37 12 | 23°43'16                      | 4 Mp 18        | 5°47           | 22°10          | 10°55          | 25°28          | 29°34  | 16°51 | 4°29          | 3°34  | 20° 5          | 21°13         | 4°16          | 21°52          | S 16 |
| S 17 | 5 41 9  | 24°44'20                      | 16°18          | 7°20           | 23°24          | 11°41          | 25°27          | 29°31  | 16°53 | 4°28          | 3°33  | 20° 7          | 21°10         | 4°22          | 21°53          | S 17 |
| M18  | 5 45 6  | 25°45'25                      | 28°32          | 8°54           | 24°39          | 12°28          | 25°26          | 29°27  | 16°55 | 4°27          | 3°32  | 20°R 7         | 21° 7         | 4°29          | 21°54          | M18  |
| T 19 | 5 49 2  | 26°46'31                      | 11 <b>♀</b> 5  | 10°27          | 25°53          | 13°14          | 25°26          | 29°24  | 16°58 | 4°26          | 3°31  | 20° 6          | 21° 4         | 4°36          | 21°55          | T 19 |
| W20  | 5 52 59 | 27°47'37                      | 24° 0          | 12° 0          | 27° 7          | 14° 0          | 25°26          | 29°20  | 17° 0 | 4°25          | 3°29  | 20° 4          | 21° 0         | 4°42          | 21°56          | W20  |
| T 21 | 5 56 55 | 28°48'44                      | 7 <b>M</b> 22  | 13°32          | 28°21          | 14°47          | 25°D25         | 29°16  | 17° 3 | 4°23          | 3°28  | 20° 1          | 20°57         | 4°49          | 21°57          | T 21 |
| F 22 | 6 0 52  | 29°49'52                      | 21°10          | 15° 4          | 29°36          | 15°33          | 25°26          | 29°12  | 17° 6 | 4°22          | 3°27  | 19°58          | 20°54         | 4°56          | 21°58          | F 22 |
| S 23 | 6 4 48  | 0 <b>궁</b> 51'01              | 5 <b>₹</b> 25  | 16°35          | 0 <b>≯</b> 50  | 16°20          | 25°26          | 29° 8  | 17° 8 | 4°21          | 3°26  | 19°56          | 20°51         | 5° 2          | 21°59          | S 23 |
| S 24 | 6 8 45  | 1°52'10                       | 20° 2          | 18° 5          | 2° 5           | 17° 6          | 25°26          | 29° 4  | 17°11 | 4°19          | 3°25  | 19°53          | 20°48         | 5° 9          | 22° 0          | S 24 |
| M25  | 6 12 41 | 2°53'20                       | 4 <b>궁</b> 55  | 19°35          | 3°19           | 17°53          | 25°27          | 29° 0  | 17°14 | 4°18          | 3°23  | 19°52          | 20°44         | 5°16          | 22° 1          | M25  |
| T 26 | 6 16 38 | 3°54'30                       | 19°56          | 21° 3          | 4°33           | 18°39          | 25°28          | 28°56  | 17°16 | 4°16          | 3°22  | 19°D51         | 20°41         | 5°22          | 22° 2          | T 26 |
| W27  | 6 20 35 | 4°55'40                       | 4≈57           | 22°30          | 5°48           | 19°26          | 25°29          | 28°51  | 17°19 | 4°15          | 3°21  | 19°52          | 20°38         | 5°29          | 22° 3          | W27  |
| T 28 | 6 24 31 | 5°56'51                       | 19°49          | 23°55          | 7° 2           | 20°12          | 25°31          | 28°47  | 17°22 | 4°14          | 3°20  | 19°53          | 20°35         | 5°36          | 22° 5          | T 28 |
| F 29 | 6 28 28 | 6°58'01                       | 4 <b>)</b> 25  | 25°18          | 8°17           | 20°59          | 25°32          | 28°43  | 17°25 | 4°12          | 3°18  | 19°54          | 20°32         | 5°42          | 22° 6          | F 29 |
| S 30 | 6 32 24 | 7°59'11                       | 18°42          | 26°38          | 9°32           | 21°46          | 25°34          | 28°38  | 17°28 | 4°11          | 3°17  | 19°55          | 20°29         | 5°49          | 22° 8          | S 30 |
| S 31 | 6 36 21 | 9号 0'20                       | 2 <b>Υ</b> 38  | 27 <b>る</b> 56 | 10 <b>₮</b> 46 | 22 <b>る</b> 33 | 25 <b>Y</b> 36 | 28934  | 17≈30 | 4 <b>Ω</b> 9  | 39516 | 19 <b>る</b> 55 | 20중25         | 5 <b>Ω</b> 56 | 22 <b>米</b> 9  | S 31 |

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JANUARY 1917 00:00 UT

| Day  | Sid.t   | 0        | D              | ğ              | ·              | ♂              | 4              | ħ      | )f(            | ħ             | Р     | u              | v              | Ç             | Š,             | Day  |
|------|---------|----------|----------------|----------------|----------------|----------------|----------------|--------|----------------|---------------|-------|----------------|----------------|---------------|----------------|------|
| M 1  | 6 40 17 | 10ට 1'30 | 16 <b>Y</b> 12 | 29 <b>궁</b> 10 | 12 <b>×</b> 1  | 23 <b>궁</b> 19 | 25 <b>Y</b> 38 | 28°R29 | 17≈33          | 4°R 8         | 3°R15 | 19°R55         | 20る22          | 6 <b>N</b> 2  | 22 <b>)</b> 11 | M 1  |
| T 2  | 6 44 14 | 11° 2'39 | 29°25          | 0≈20           | 13°15          | 24° 6          | 25°41          | 289525 | 17°36          | 4 <b>N</b> 6  | 39514 | 19 <b>궁</b> 55 | 20°19          | 6° 9          | 22°12          | T 2  |
| W 3  | 6 48 10 | 12° 3'48 | 12820          | 1°25           | 14°30          | 24°53          | 25°43          | 28°20  | 17°39          | 4° 5          | 3°12  | 19°54          | 20°16          | 6°16          | 22°14          | W 3  |
| T 4  | 6 52 7  | 13° 4'57 | 24°59          | 2°24           | 15°45          | 25°40          | 25°46          | 28°16  | 17°42          | 4° 3          | 3°11  | 19°53          | 20°13          | 6°22          | 22°15          | T 4  |
| F 5  | 6 56 4  | 14° 6'06 | 7∏24           | 3°18           | 16°59          | 26°27          | 25°49          | 28°11  | 17°45          | 4° 2          | 3°10  | 19°52          | 20°10          | 6°29          | 22°17          | F 5  |
| S 6  | 7 0 0   | 15° 7'14 | 19°38          | 4° 4           | 18°14          | 27°14          | 25°52          | 28° 6  | 17°48          | 4° 0          | 3° 9  | 19°52          | 20° 6          | 6°35          | 22°19          | S 6  |
| S 7  | 7 3 57  | 16° 8'23 | 19543          | 4°42           | 19°29          | 28° 1          | 25°56          | 28° 1  | 17°51          | 3°58          | 3°8   | 19°51          | 20° 3          | 6°42          | 22°21          | S 7  |
| M 8  | 7 7 53  | 17° 9'31 | 13°40          | 5°11           | 20°43          | 28°48          | 25°59          | 27°57  | 17°54          | 3°57          | 3° 7  | 19°51          | 20° 0          | 6°49          | 22°23          | M 8  |
| T 9  | 7 11 50 | 18°10'38 | 25°33          | 5°31           | 21°58          | 29°35          | 26° 3          | 27°52  | 17°58          | 3°55          | 3° 5  | 19°D51         | 19°57          | 6°55          | 22°25          | T 9  |
| W10  | 7 15 46 | 19°11'46 | $7\Omega_{21}$ | 5°R40          | 23°13          | 0≈22           | 26° 7          | 27°47  | 18° 1          | 3°54          | 3° 4  | 19°51          | 19°54          | 7° 2          | 22°27          | W10  |
| T 11 | 7 19 43 | 20°12'53 | 19° 9          | 5°37           | 24°27          | 1° 9           | 26°11          | 27°42  | 18° 4          | 3°52          | 3° 3  | 19°R51         | 19°50          | 7° 9          | 22°29          | T 11 |
| F 12 | 7 23 40 | 21°14'00 | 0 <b>m</b> 59  | 5°23           | 25°42          | 1°56           | 26°15          | 27°37  | 18° 7          | 3°50          | 3° 2  | 19°51          | 19°47          | 7°15          | 22°31          | F 12 |
| S 13 | 7 27 36 | 22°15'06 | 12°52          | 4°57           | 26°57          | 2°43           | 26°20          | 27°32  | 18°10          | 3°49          | 3° 1  | 19°51          | 19°44          | 7°22          | 22°33          | S 13 |
| S 14 | 7 31 33 | 23°16'13 | 24°54          | 4°19           | 28°12          | 3°30           | 26°25          | 27°27  | 18°13          | 3°47          | 3° 0  | 19°50          | 19°41          | 7°29          | 22°35          | S 14 |
| M15  | 7 35 29 | 24°17'19 | 7 <b>♀</b> 7   | 3°31           | 29°26          | 4°17           | 26°29          | 27°22  | 18°17          | 3°45          | 2°58  | 19°50          | 19°38          | 7°35          | 22°37          | M15  |
| T 16 | 7 39 26 | 25°18'25 | 19°36          | 2°33           | 0 <b>궁</b> 41  | 5° 4           | 26°34          | 27°17  | 18°20          | 3°44          | 2°57  | 19°D50         | 19°35          | 7°42          | 22°39          | T 16 |
| W17  | 7 43 22 | 26°19'31 | 2 <b>M</b> 25  | 1°26           | 1°56           | 5°52           | 26°40          | 27°13  | 18°23          | 3°42          | 2°56  | 19°50          | 19°31          | 7°49          | 22°42          | W17  |
| T 18 | 7 47 19 | 27°20'37 | 15°37          | 0°14           | 3°11           | 6°39           | 26°45          | 27° 8  | 18°27          | 3°40          | 2°55  | 19°50          | 19°28          | 7°55          | 22°44          | T 18 |
| F 19 | 7 51 15 | 28°21'42 | 29°15          | 28 <b>궁</b> 58 | 4°26           | 7°26           | 26°51          | 27° 3  | 18°30          | 3°39          | 2°54  | 19°51          | 19°25          | 8° 2          | 22°46          | F 19 |
| S 20 | 7 55 12 | 29°22'47 | 13 <b>×</b> 21 | 27°40          | 5°41           | 8°13           | 26°57          | 26°58  | 18°33          | 3°37          | 2°53  | 19°52          | 19°22          | 8° 9          | 22°49          | S 20 |
| S 21 | 7 59 9  | 0≈23'52  | 27°52          | 26°23          | 6°55           | 9° 1           | 27° 3          | 26°53  | 18°37          | 3°35          | 2°52  | 19°52          | 19°19          | 8°15          | 22°51          | S 21 |
| M22  | 8 3 5   | 1°24'56  | 12 <b>る</b> 45 | 25° 9          | 8°10           | 9°48           | 27° 9          | 26°48  | 18°40          | 3°34          | 2°51  | 19°R53         | 19°16          | 8°22          | 22°54          | M22  |
| T 23 | 8 7 2   | 2°26'00  | 27°54          | 24° 1          | 9°25           | 10°35          | 27°15          | 26°43  | 18°43          | 3°32          | 2°50  | 19°53          | 19°12          | 8°29          | 22°56          | T 23 |
| W24  | 8 10 58 | 3°27'03  | 13 <b>≈</b> 8  | 22°58          | 10°40          | 11°23          | 27°21          | 26°38  | 18°47          | 3°30          | 2°49  | 19°52          | 19° 9          | 8°35          | 22°59          | W24  |
| T 25 | 8 14 55 | 4°28'04  | 28°19          | 22° 4          | 11°55          | 12°10          | 27°28          | 26°33  | 18°50          | 3°29          | 2°48  | 19°51          | 19° 6          | 8°42          | 23° 1          | T 25 |
| F 26 | 8 18 51 | 5°29'05  | 13 <b>米</b> 16 | 21°18          | 13°10          | 12°57          | 27°35          | 26°28  | 18°53          | 3°27          | 2°47  | 19°49          | 19° 3          | 8°49          | 23° 4          | F 26 |
| S 27 | 8 22 48 | 6°30'05  | 27°52          | 20°40          | 14°25          | 13°45          | 27°42          | 26°23  | 18°57          | 3°25          | 2°46  | 19°47          | 19° 0          | 8°55          | 23° 7          | S 27 |
| S 28 | 8 26 44 | 7°31'03  | 12 <b>°</b> 3  | 20°12          | 15°40          | 14°32          | 27°49          | 26°19  | 19° 0          | 3°23          | 2°45  | 19°45          | 18°56          | 9° 2          | 23° 9          | S 28 |
| M29  | 8 30 41 | 8°32'01  | 25°46          | 19°53          | 16°54          | 15°19          | 27°56          | 26°14  | 19° 4          | 3°22          | 2°44  | 19°43          | 18°53          | 9° 8          | 23°12          | M29  |
| T 30 | 8 34 38 | 9°32'57  | 9 <b>8</b> 2   | 19°42          | 18° 9          | 16° 7          | 28° 4          | 26° 9  | 19° 7          | 3°20          | 2°43  | 19°D43         | 18°50          | 9°15          | 23°15          | T 30 |
| W31  | 8 38 34 | 10≈33'52 | 21 <b>8</b> 55 | 19°D39         | 19 <b>궁</b> 24 | 16≈54          | 28 <b>Y</b> 11 | 269 4  | 19 <b>≈</b> 11 | 3 <b>Ω</b> 18 | 29542 | 19 <b>る</b> 43 | 18 <b>궁</b> 47 | 9 <b>Ω</b> 22 | 23 <b>米</b> 18 | W31  |

Delta T = 19.43 sec

FEBRUARY 1917 00:00 UT

| Day  | Sid.t    | 0                  | D               | ğ              | Q.             | ð             | 4              | ħ      | )Å(   | ħ             | Р             | u              | v              | Ç               | ę,               | Day  |
|------|----------|--------------------|-----------------|----------------|----------------|---------------|----------------|--------|-------|---------------|---------------|----------------|----------------|-----------------|------------------|------|
| T 1  | 8 42 31  | 11≈34'45           | 4 <b>∏</b> 26   | 19 <b>궁</b> 43 | 20 <b>궁</b> 39 | 17≈42         | 28 <b>Y</b> 19 | 26°R 0 | 19≈14 | 3°R17         | 2°R41         | 19 <b>궁</b> 44 | 18 <b>궁</b> 44 | 9 <b>Ω</b> 28   | 23 <b>)</b> (21  | T 1  |
| F 2  | 8 46 27  | 12°35'37           | 16°42           | 19°55          | 21°54          | 18°29         | 28°27          | 25955  | 19°18 | 3 <b>Ω</b> 15 | 2 <b>9</b> 40 | 19°46          | 18°41          | 9°35            | 23°23            | F 2  |
| S 3  | 8 50 24  | 13°36'28           | 28°45           | 20°14          | 23° 9          | 19°17         | 28°35          | 25°50  | 19°21 | 3°13          | 2°39          | 19°48          | 18°37          | 9°42            | 23°26            | S 3  |
| S 4  | 8 54 20  | 14°37'18           | 109540          | 20°38          | 24°24          | 20° 4         | 28°43          | 25°46  | 19°24 | 3°12          | 2°38          | 19°49          | 18°34          | 9°48            | 23°29            | S 4  |
| M 5  | 8 58 17  | 15°38'06           | 22°30           | 21° 9          | 25°38          | 20°51         | 28°52          | 25°41  | 19°28 | 3°10          | 2°38          | 19°R49         | 18°31          | 9°55            | 23°32            | M 5  |
| T 6  | 9 2 13   | 16°38'53           | 4Ω18            | 21°44          | 26°53          | 21°39         | 29° 0          | 25°37  | 19°31 | 3° 8          | 2°37          | 19°48          | 18°28          | 10° 2           | 23°35            | T 6  |
| W 7  | 9 6 10   | 17°39'39           | 16° 6           | 22°24          | 28° 8          | 22°26         | 29° 9          | 25°33  | 19°35 | 3° 7          | 2°36          | 19°46          | 18°25          | 10° 8           | 23°38            | W 7  |
| T 8  | 9 10 7   | 18°40'23           | 27°57           | 23° 8          | 29°23          | 23°14         | 29°17          | 25°28  | 19°38 | 3° 5          | 2°35          | 19°42          | 18°22          | 10°15           | 23°41            | T 8  |
| F 9  | 9 14 3   | 19°41'06           | 9 <b>m</b> 52   | 23°56          | 0≈38           | 24° 1         | 29°26          | 25°24  | 19°42 | 3° 4          | 2°34          | 19°37          | 18°18          | 10°22           | 23°45            | F 9  |
| S 10 | 9 18 0   | 20°41'48           | 21°53           | 24°48          | 1°53           | 24°49         | 29°35          | 25°20  | 19°45 | 3° 2          | 2°34          | 19°31          | 18°15          | 10°28           | 23°48            | S 10 |
| S 11 | 9 21 56  | 21°42'29           | 4 <b>♀</b> 2    | 25°43          | 3° 8           | 25°36         | 29°44          | 25°16  | 19°49 | 3° 0          | 2°33          | 19°25          | 18°12          | 10°35           | 23°51            | S 11 |
| M12  | 9 25 53  | 22°43'08           | 16°21           | 26°41          | 4°23           | 26°23         | 29°54          | 25°11  | 19°52 | 2°59          | 2°32          | 19°20          | 18° 9          | 10°42           | 23°54            | M12  |
| T 13 | 9 29 49  | 23°43'46           | 28°53           | 27°42          | 5°37           | 27°11         | 0 <b>8</b> 3   | 25° 7  | 19°56 | 2°57          | 2°31          | 19°16          | 18° 6          | 10°48           | 23°57            | T 13 |
| W14  | 9 33 46  | 24°44'23           | 11 <b>M</b> .41 | 28°45          | 6°52           | 27°58         | 0°13           | 25° 3  | 19°59 | 2°56          | 2°31          | 19°14          | 18° 2          | 10°55           | 24° 0            | W14  |
| T 15 | 9 37 42  | 25°44'59           | 24°47           | 29°51          | 8° 7           | 28°46         | 0°22           | 25° 0  | 20° 3 | 2°54          | 2°30          | 19°D13         | 17°59          | 11° 2           | 24° 4            | T 15 |
| F 16 | 9 41 39  | 26°45'34           | 8 <b>∡</b> 15   | 0≈59           | 9°22           | 29°33         | 0°32           | 24°56  | 20° 6 | 2°53          | 2°29          | 19°13          | 17°56          | 11° 8           | 24° 7            | F 16 |
| S 17 | 9 45 36  | 27°46'08           | 22° 6           | 2° 9           | 10°37          | 0 <b>∺</b> 21 | 0°42           | 24°52  | 20°10 | 2°51          | 2°29          | 19°15          | 17°53          | 11°15           | 24°10            | S 17 |
| S 18 | 9 49 32  | 28°46'41           | 6 <b>ප</b> 21   | 3°20           | 11°52          | 1° 8          | 0°52           | 24°48  | 20°13 | 2°50          | 2°28          | 19°16          | 17°50          | 11°22           | 24°13            | S 18 |
| M19  | 9 53 29  | 29°47'12           | 20°59           | 4°34           | 13° 7          | 1°56          | 1° 2           | 24°45  | 20°17 | 2°48          | 2°28          | 19°R16         | 17°47          | 11°28           | 24°17            | M19  |
| T 20 | 9 57 25  | 0 <b>) (</b> 47'41 | 5≈56            | 5°49           | 14°21          | 2°43          | 1°12           | 24°41  | 20°20 | 2°47          | 2°27          | 19°15          | 17°43          | 11°35           | 24°20            | T 20 |
| W21  | 10 1 22  | 1°48'10            | 21° 4           | 7° 6           | 15°36          | 3°30          | 1°23           | 24°38  | 20°23 | 2°45          | 2°26          | 19°12          | 17°40          | 11°42           | 24°24            | W21  |
| T 22 | 10 5 18  | 2°48'36            | 6 <b>∺</b> 16   | 8°25           | 16°51          | 4°18          | 1°33           | 24°34  | 20°27 | 2°44          | 2°26          | 19° 7          | 17°37          | 11°48           | 24°27            | T 22 |
| F 23 | 10 9 15  | 3°49'01            | 21°20           | 9°45           | 18° 6          | 5° 5          | 1°44           | 24°31  | 20°30 | 2°42          | 2°25          | 19° 0          | 17°34          | 11°55           | 24°30            | F 23 |
| S 24 | 10 13 11 | 4°49'24            | 6 <b>℃</b> 7    | 11° 6          | 19°21          | 5°53          | 1°55           | 24°28  | 20°34 | 2°41          | 2°25          | 18°53          | 17°31          | 12° 2           | 24°34            | S 24 |
| S 25 | 10 17 8  | 5°49'46            | 20°30           | 12°29          | 20°36          | 6°40          | 2° 5           | 24°25  | 20°37 | 2°40          | 2°24          | 18°46          | 17°27          | 12° 8           | 24°37            | S 25 |
| M26  | 10 21 5  | 6°50'05            | 4824            | 13°53          | 21°50          | 7°27          | 2°16           | 24°22  | 20°40 | 2°38          | 2°24          | 18°40          | 17°24          | 12°15           | 24°41            | M26  |
| T 27 | 10 25 1  | 7°50'23            | 17°48           | 15°18          | 23° 5          | 8°15          | 2°27           | 24°19  | 20°44 | 2°37          | 2°24          | 18°36          | 17°21          | 12°22           | 24°44            | T 27 |
| W28  | 10 28 58 | 8 <b>米</b> 50'38   | 0∏46            | 16≈44          | 24≈20          | 9 <b>米</b> 2  | 2 <b>8</b> 38  | 249516 | 20≈47 | $2\Omega$ 36  | 29523         | 18 <b>궁</b> 34 | 17 <b>궁</b> 18 | $12\Omega_{28}$ | 24 <b>) (</b> 48 | W28  |

Delta T = 19.51 sec

MARCH 1917 00:00 UT

| Day  | Sid.t    | 0                | D                | ğ               | φ              | o <sup>™</sup> | 4             | ħ      | )Å(   | ¥              | Р     | £.             | Ω              | Ç              | ę,              | Day  |
|------|----------|------------------|------------------|-----------------|----------------|----------------|---------------|--------|-------|----------------|-------|----------------|----------------|----------------|-----------------|------|
| T 1  | 10 32 54 | 9 <b>∺</b> 50'52 | 13 <b>Ⅱ</b> 19   | 18≈12           | 25≈35          | 9 <b>)(</b> 49 | 2 <b>8</b> 50 | 24°R13 | 20≈51 | 2°R34          | 2°R23 | 18°D33         | 17 <b>る</b> 15 | 12 <b>Ω</b> 35 | 24 <b>)</b> (51 | T 1  |
| F 2  | 10 36 51 | 10°51'03         | 25°33            | 19°41           | 26°50          | 10°37          | 3° 1          | 249511 | 20°54 | $2\Omega_{33}$ | 29522 | 18 <b>る</b> 34 | 17°12          | 12°42          | 24°55           | F 2  |
| S 3  | 10 40 47 | 11°51'12         | 7 <b>9</b> 33    | 21°11           | 28° 4          | 11°24          | 3°12          | 24° 8  | 20°57 | 2°32           | 2°22  | 18°35          | 17° 8          | 12°48          | 24°58           | S 3  |
| S 4  | 10 44 44 | 12°51'20         | 19°24            | 22°42           | 29°19          | 12°11          | 3°24          | 24° 6  | 21° 0 | 2°31           | 2°22  | 18°R36         | 17° 5          | 12°55          | 25° 2           | S 4  |
| M 5  | 10 48 40 | 13°51'25         | 1 <b>Q</b> 11    | 24°14           | 0 <b>)</b> €34 | 12°58          | 3°35          | 24° 4  | 21° 4 | 2°29           | 2°22  | 18°35          | 17° 2          | 13° 1          | 25° 5           | M 5  |
| T 6  | 10 52 37 | 14°51'28         | 12°58            | 25°47           | 1°49           | 13°46          | 3°47          | 24° 1  | 21° 7 | 2°28           | 2°21  | 18°32          | 16°59          | 13° 8          | 25° 9           | T 6  |
| W 7  | 10 56 34 | 15°51'29         | 24°48            | 27°22           | 3° 3           | 14°33          | 3°59          | 23°59  | 21°10 | 2°27           | 2°21  | 18°26          | 16°56          | 13°15          | 25°12           | W 7  |
| T 8  | 11 030   | 16°51'28         | 6Mp44            | 28°57           | 4°18           | 15°20          | 4°11          | 23°57  | 21°13 | 2°26           | 2°21  | 18°18          | 16°53          | 13°21          | 25°16           | T 8  |
| F 9  | 11 427   | 17°51'25         | 18°48            | 0 <b>) €</b> 34 | 5°33           | 16° 7          | 4°23          | 23°55  | 21°17 | 2°25           | 2°21  | 18° 8          | 16°49          | 13°28          | 25°19           | F 9  |
| S 10 | 11 8 23  | 18°51'20         | 1₽ 1             | 2°12            | 6°47           | 16°54          | 4°35          | 23°54  | 21°20 | 2°24           | 2°20  | 17°56          | 16°46          | 13°35          | 25°23           | S 10 |
| S 11 | 11 12 20 | 19°51'13         | 13°24            | 3°51            | 8° 2           | 17°42          | 4°47          | 23°52  | 21°23 | 2°23           | 2°20  | 17°44          | 16°43          | 13°41          | 25°27           | S 11 |
| M12  | 11 16 16 | 20°51'05         | 25°57            | 5°31            | 9°17           | 18°29          | 4°59          | 23°50  | 21°26 | 2°22           | 2°20  | 17°34          | 16°40          | 13°48          | 25°30           | M12  |
| T 13 | 11 20 13 | 21°50'55         | 8 <b>M</b> .41   | 7°13            | 10°31          | 19°16          | 5°11          | 23°49  | 21°29 | 2°21           | 2°20  | 17°24          | 16°37          | 13°55          | 25°34           | T 13 |
| W14  | 11 24 9  | 22°50'43         | 21°38            | 8°55            | 11°46          | 20° 3          | 5°23          | 23°47  | 21°32 | 2°20           | 2°20  | 17°18          | 16°33          | 14° 1          | 25°37           | W14  |
| T 15 | 11 28 6  | 23°50'29         | 4 <b>₹</b> 48    | 10°39           | 13° 1          | 20°50          | 5°36          | 23°46  | 21°35 | 2°19           | 2°20  | 17°14          | 16°30          | 14° 8          | 25°41           | T 15 |
| F 16 | 11 32 2  | 24°50'14         | 18°14            | 12°24           | 14°15          | 21°37          | 5°48          | 23°45  | 21°39 | 2°18           | 2°20  | 17°12          | 16°27          | 14°15          | 25°44           | F 16 |
| S 17 | 11 35 59 | 25°49'57         | 1 <b>る</b> 56    | 14°10           | 15°30          | 22°24          | 6° 1          | 23°44  | 21°42 | 2°17           | 2°D20 | 17°D12         | 16°24          | 14°21          | 25°48           | S 17 |
| S 18 | 11 39 56 | 26°49'38         | 15°57            | 15°57           | 16°45          | 23°11          | 6°13          | 23°43  | 21°45 | 2°16           | 2°20  | 17°R12         | 16°21          | 14°28          | 25°52           | S 18 |
| M19  | 11 43 52 | 27°49'18         | 0≈17             | 17°46           | 17°59          | 23°58          | 6°26          | 23°42  | 21°48 | 2°16           | 2°20  | 17°12          | 16°18          | 14°35          | 25°55           | M19  |
| T 20 | 11 47 49 | 28°48'56         | 14°53            | 19°36           | 19°14          | 24°45          | 6°39          | 23°41  | 21°51 | 2°15           | 2°20  | 17° 9          | 16°14          | 14°41          | 25°59           | T 20 |
| W21  | 11 51 45 | 29°48'32         | 29°41            | 21°27           | 20°28          | 25°32          | 6°52          | 23°41  | 21°53 | 2°14           | 2°20  | 17° 4          | 16°11          | 14°48          | 26° 2           | W21  |
| T 22 | 11 55 42 | 0 <b>Υ</b> 48'06 | 14 <b>) (</b> 35 | 23°19           | 21°43          | 26°18          | 7° 5          | 23°40  | 21°56 | 2°13           | 2°20  | 16°56          | 16° 8          | 14°55          | 26° 6           | T 22 |
| F 23 | 11 59 38 | 1°47'38          | 29°27            | 25°13           | 22°58          | 27° 5          | 7°17          | 23°40  | 21°59 | 2°13           | 2°20  | 16°46          | 16° 5          | 15° 1          | 26°10           | F 23 |
| S 24 | 12 3 35  | 2°47'08          | 14 <b>Y</b> 8    | 27° 7           | 24°12          | 27°52          | 7°30          | 23°39  | 22° 2 | 2°12           | 2°20  | 16°34          | 16° 2          | 15° 8          | 26°13           | S 24 |
| S 25 | 12 731   | 3°46'36          | 28°29            | 29° 4           | 25°27          | 28°39          | 7°43          | 23°39  | 22° 5 | 2°11           | 2°21  | 16°23          | 15°59          | 15°15          | 26°17           | S 25 |
| M26  | 12 11 28 | 4°46'02          | 12825            | 1 <b>Υ</b> 1    | 26°41          | 29°26          | 7°57          | 23°D39 | 22° 8 | 2°11           | 2°21  | 16°13          | 15°55          | 15°21          | 26°20           | M26  |
| T 27 | 12 15 25 | 5°45'26          | 25°54            | 2°59            | 27°56          | 0 <b>Υ</b> 12  | 8°10          | 23°39  | 22°10 | 2°10           | 2°21  | 16° 5          | 15°52          | 15°28          | 26°24           | T 27 |
| W28  | 12 19 21 | 6°44'48          | 8耳56             | 4°59            | 29°10          | 0°59           | 8°23          | 23°39  | 22°13 | 2°10           | 2°21  | 16° 0          | 15°49          | 15°35          | 26°27           | W28  |
| T 29 | 12 23 18 | 7°44'07          | 21°33            | 6°59            | 0 <b>Υ</b> 25  | 1°46           | 8°36          | 23°40  | 22°16 | 2° 9           | 2°21  | 15°58          | 15°46          | 15°41          | 26°31           | T 29 |
| F 30 | 12 27 14 | 8°43'24          | 3 <b>9</b> 349   | 9° 1            | 1°39           | 2°32           | 8°50          | 23°40  | 22°19 | 2° 9           | 2°22  | 15°57          | 15°43          | 15°48          | 26°34           | F 30 |
| S 31 | 12 31 11 | 9 <b>Υ</b> 42'38 | 15951            | 11 <b>°</b> 3   | 2 <b>Υ</b> 54  | 3 <b>Υ</b> 19  | 9 <b>8</b> 3  | 239541 | 22≈21 | 2 <b>N</b> 8   | 29522 | 15 <b>る</b> 57 | 15 <b>る</b> 39 | 15 <b>Ω</b> 55 | 26 <b>)</b> 38  | S 31 |

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| Day  | Sid.t    | 0                 | D              | ğ             | Q.            | ď              | 4             | ħ      | )f(   | ¥             | Р     | u              | v              | Ç              | § ,              | Day  |
|------|----------|-------------------|----------------|---------------|---------------|----------------|---------------|--------|-------|---------------|-------|----------------|----------------|----------------|------------------|------|
| S 1  | 12 35 7  | 10 <b>Y</b> 41'51 | 279543         | 13 <b>°</b> 6 | <b>4Υ</b> 8   | <b>4Υ</b> 5    | 9 <b>8</b> 16 | 239541 | 22≈24 | 2°R 8         | 29522 | 15°R56         | 15 <b>る</b> 36 | 16 <b>Ω</b> 1  | 26 <b>) (</b> 42 | S 1  |
| M 2  | 12 39 4  | 11°41'01          | 9 <b>Ω</b> 31  | 15°10         | 5°23          | 4°52           | 9°30          | 23°42  | 22°26 | 2 <b>N</b> 7  | 2°23  | 15 <b>る</b> 55 | 15°33          | 16° 8          | 26°45            | M 2  |
| T 3  | 12 43 0  | 12°40'08          | 21°19          | 17°14         | 6°37          | 5°38           | 9°43          | 23°43  | 22°29 | 2° 7          | 2°23  | 15°51          | 15°30          | 16°15          | 26°49            | T 3  |
| W 4  | 12 46 57 | 13°39'14          | 3 <b>m</b> 13  | 19°18         | 7°51          | 6°25           | 9°57          | 23°44  | 22°31 | 2° 7          | 2°24  | 15°44          | 15°27          | 16°21          | 26°52            | W 4  |
| T 5  | 12 50 54 | 14°38'17          | 15°15          | 21°22         | 9° 6          | 7°11           | 10°10         | 23°45  | 22°34 | 2° 6          | 2°24  | 15°34          | 15°24          | 16°28          | 26°55            | T 5  |
| F 6  | 12 54 50 | 15°37'18          | 27°29          | 23°26         | 10°20         | 7°57           | 10°24         | 23°46  | 22°36 | 2° 6          | 2°24  | 15°23          | 15°20          | 16°35          | 26°59            | F 6  |
| S 7  | 12 58 47 | 16°36'17          | 9 <b>≙</b> 55  | 25°29         | 11°35         | 8°44           | 10°38         | 23°47  | 22°39 | 2° 6          | 2°25  | 15° 9          | 15°17          | 16°41          | 27° 2            | S 7  |
| S 8  | 13 2 43  | 17°35'13          | 22°34          | 27°31         | 12°49         | 9°30           | 10°51         | 23°48  | 22°41 | 2° 6          | 2°25  | 14°56          | 15°14          | 16°48          | 27° 6            | S 8  |
| M 9  | 13 6 40  | 18°34'08          | 5 <b>M</b> 26  | 29°32         | 14° 3         | 10°16          | 11° 5         | 23°50  | 22°43 | 2° 6          | 2°26  | 14°43          | 15°11          | 16°55          | 27° 9            | M 9  |
| T 10 | 13 10 36 | 19°33'01          | 18°30          | 1830          | 15°18         | 11° 2          | 11°19         | 23°52  | 22°45 | 2° 5          | 2°26  | 14°32          | 15° 8          | 17° 1          | 27°13            | T 10 |
| W11  | 13 14 33 | 20°31'52          | 1 <b>√</b> 45  | 3°27          | 16°32         | 11°49          | 11°33         | 23°53  | 22°48 | 2° 5          | 2°27  | 14°24          | 15° 4          | 17° 8          | 27°16            | W11  |
| T 12 | 13 18 29 | 21°30'42          | 15°11          | 5°22          | 17°46         | 12°35          | 11°46         | 23°55  | 22°50 | 2° 5          | 2°28  | 14°19          | 15° 1          | 17°15          | 27°19            | T 12 |
| F 13 | 13 22 26 | 22°29'29          | 28°47          | 7°14          | 19° 0         | 13°21          | 12° 0         | 23°57  | 22°52 | 2°D 5         | 2°28  | 14°17          | 14°58          | 17°21          | 27°23            | F 13 |
| S 14 | 13 26 23 | 23°28'15          | 12 <b>る</b> 34 | 9° 2          | 20°15         | 14° 7          | 12°14         | 23°59  | 22°54 | 2° 5          | 2°29  | 14°D16         | 14°55          | 17°28          | 27°26            | S 14 |
| S 15 | 13 30 19 | 24°26'59          | 26°31          | 10°47         | 21°29         | 14°53          | 12°28         | 24° 1  | 22°56 | 2° 5          | 2°29  | 14°R16         | 14°52          | 17°35          | 27°29            | S 15 |
| M16  | 13 34 16 | 25°25'42          | 10≈39          | 12°29         | 22°43         | 15°39          | 12°42         | 24° 3  | 22°58 | 2° 5          | 2°30  | 14°15          | 14°49          | 17°41          | 27°32            | M16  |
| T 17 | 13 38 12 | 26°24'23          | 24°57          | 14° 7         | 23°57         | 16°25          | 12°56         | 24° 6  | 23° 0 | 2° 5          | 2°31  | 14°13          | 14°45          | 17°48          | 27°36            | T 17 |
| W18  | 13 42 9  | 27°23'02          | 9 <b>∺</b> 23  | 15°40         | 25°12         | 17°11          | 13°10         | 24° 8  | 23° 2 | 2° 6          | 2°31  | 14° 8          | 14°42          | 17°55          | 27°39            | W18  |
| T 19 | 13 46 5  | 28°21'39          | 23°52          | 17° 9         | 26°26         | 17°56          | 13°24         | 24°10  | 23° 4 | 2° 6          | 2°32  | 14° 0          | 14°39          | 18° 1          | 27°42            | T 19 |
| F 20 | 13 50 2  | 29°20'15          | 8 <b>Y</b> 19  | 18°34         | 27°40         | 18°42          | 13°38         | 24°13  | 23° 6 | 2° 6          | 2°33  | 13°50          | 14°36          | 18° 8          | 27°45            | F 20 |
| S 21 | 13 53 58 | 0 <b>8</b> 18'49  | 22°38          | 19°54         | 28°54         | 19°28          | 13°52         | 24°16  | 23° 8 | 2° 6          | 2°34  | 13°39          | 14°33          | 18°15          | 27°48            | S 21 |
| S 22 | 13 57 55 | 1°17'21           | 6 <b>8</b> 42  | 21° 9         | 8 <b>B</b> 0  | 20°14          | 14° 6         | 24°19  | 23°10 | 2° 7          | 2°34  | 13°28          | 14°30          | 18°21          | 27°52            | S 22 |
| M23  | 14 1 52  | 2°15'51           | 20°27          | 22°19         | 1°23          | 20°59          | 14°21         | 24°22  | 23°11 | 2° 7          | 2°35  | 13°18          | 14°26          | 18°28          | 27°55            | M23  |
| T 24 | 14 5 48  | 3°14'19           | 3 <b>Ⅱ</b> 49  | 23°24         | 2°37          | 21°45          | 14°35         | 24°25  | 23°13 | 2° 7          | 2°36  | 13°10          | 14°23          | 18°35          | 27°58            | T 24 |
| W25  | 14 9 45  | 4°12'45           | 16°48          | 24°24         | 3°51          | 22°30          | 14°49         | 24°28  | 23°15 | 2° 8          | 2°37  | 13° 4          | 14°20          | 18°41          | 28° 1            | W25  |
| T 26 | 14 13 41 | 5°11'10           | 29°25          | 25°19         | 5° 5          | 23°16          | 15° 3         | 24°31  | 23°16 | 2° 8          | 2°38  | 13° 1          | 14°17          | 18°48          | 28° 4            | T 26 |
| F 27 | 14 17 38 | 6° 9'32           | 119543         | 26° 8         | 6°19          | 24° 1          | 15°17         | 24°34  | 23°18 | 2° 8          | 2°39  | 13°D 1         | 14°14          | 18°55          | 28° 7            | F 27 |
| S 28 | 14 21 34 | 7° 7'52           | 23°47          | 26°52         | 7°33          | 24°47          | 15°31         | 24°38  | 23°19 | 2° 9          | 2°40  | 13° 1          | 14°10          | 19° 1          | 28°10            | S 28 |
| S 29 | 14 25 31 | 8° 6'10           | 5 <b>Ω</b> 41  | 27°31         | 8°47          | 25°32          | 15°46         | 24°41  | 23°21 | 2° 9          | 2°40  | 13°R 1         | 14° 7          | 19° 8          | 28°13            | S 29 |
| M30  | 14 29 27 | 9 <b>8</b> 4'26   | 17 <b>Ω</b> 30 | 28 <b>8</b> 4 | 10 <b>8</b> 1 | 26 <b>Y</b> 18 | 16 <b>8</b> 0 | 249545 | 23≈22 | 2 <b>Ω</b> 10 | 29541 | 13ට 1          | 14궁 4          | 19 <b>Ω</b> 15 | 28 <b>米</b> 16   | M30  |

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| Day         | Sid.t                | 0                           | D                       | ğ               | φ               | ð              | 4              | ħ              | )∤(            | ¥             | Р            | ₽.             | v              | Ç              | , k            | Day         |
|-------------|----------------------|-----------------------------|-------------------------|-----------------|-----------------|----------------|----------------|----------------|----------------|---------------|--------------|----------------|----------------|----------------|----------------|-------------|
| T 1         | 14 33 24             | 108 2'40                    | 29 <b>Ω</b> 21          | 28 <b>8</b> 32  | 11 <b>8</b> 15  | 27 <b>Y</b> 3  | 16 <b>8</b> 14 | 249548         | 23≈24          | 2 <b>Ω</b> 11 | 29642        | 12°R59         | 14궁 1          | 19 <b>£</b> 21 | 28 <b>米</b> 18 | T 1         |
| W 2         | 14 37 21             | 11° 0'51                    | 11 <b>m</b> )18         | 28°54           | 12°29           | 27°48          | 16°28          | 24°52          | 23°25          | 2°11          | 2°43         | 12 <b>る</b> 55 | 13°58          | 19°28          | 28°21          | W 2         |
| T 3<br>F 4  | 14 41 17<br>14 45 14 | 11°59'01<br>12°57'09        | 23°25<br>5 <b>Ω</b> 46  | 29°11<br>29°23  | 13°43<br>14°57  | 28°33<br>29°18 | 16°42<br>16°57 | 24°56<br>25° 0 | 23°26<br>23°28 | 2°12<br>2°12  | 2°44<br>2°45 | 12°48<br>12°40 | 13°55<br>13°51 | 19°35<br>19°41 | 28°24<br>28°27 | T 3<br>F 4  |
| S 5         | 14 45 14 14 49 10    | 12°57'09<br>13°55'15        | 18°23                   | 29°23           | 16°11           | 0 <b>8</b> 3   | 16°37<br>17°11 | 25° 4          | 23°29          | 2°12<br>2°13  | 2°46         | 12°40<br>12°30 | 13°48          | 19°41<br>19°48 | 28°27<br>28°30 | S 5         |
|             |                      |                             |                         |                 | 17°25           | _              |                | 25° 8          |                | 2°14          | -            |                | 13°45          |                | 28°32          |             |
| S 6<br>M 7  | 14 53 7<br>14 57 3   | 14°53'19<br>15°51'22        | 1 <b>M</b> .17<br>14°27 | 29°R29<br>29°25 | 17°25<br>18°39  | 0°48<br>1°33   | 17°25<br>17°39 | 25° 8<br>25°12 | 23°30<br>23°31 | 2°14<br>2°15  | 2°47<br>2°48 | 12°20<br>12°10 | 13°45<br>13°42 | 19°55<br>20° 1 | 28°32<br>28°35 | S 6<br>M 7  |
| T 8         | 15 1 0               | 16°49'23                    | 27°54                   | 29°16           | 19°53           | 2°18           | 17°54          | 25°17          | 23°32          | 2°16          | 2°49         | 12° 10         | 13°39          | 20° 8          | 28°38          | T 8         |
| W 9         | 15 4 56              | 17°47'22                    | 11 <b>×</b> 733         | 29° 2           | 21° 7           | 3° 3           | 18° 8          | 25°21          | 23°33          | 2°16          | 2°51         | 11°56          | 13°36          | 20°15          | 28°40          | W 9         |
| T 10        | 15 8 53              | 18°45'20                    | 25°22                   | 28°44           | 22°21           | 3°48           | 18°22          | 25°25          | 23°34          | 2°17          | 2°52         | 11°53          | 13°32          | 20°21          | 28°43          | T 10        |
| F 11        | 15 12 50             | 19°43'17                    | 9 <b>ට</b> 19           | 28°22           | 23°35           | 4°33           | 18°36          | 25°30          | 23°35          | 2°18          | 2°53         | 11°D52         | 13°29          | 20°28          | 28°45          | F 11        |
| S 12        | 15 16 46             | 20°41'12                    | 23°22                   | 27°57           | 24°49           | 5°17           | 18°51          | 25°35          | 23°36          | 2°19          | 2°54         | 11°52          | 13°26          | 20°35          | 28°48          | S 12        |
| S 13        | 15 20 43             | 21°39'06                    | 7≈29                    | 27°29           | 26° 3           | 6° 2           | 19° 5          | 25°39          | 23°37          | 2°20          | 2°55         | 11°53          | 13°23          | 20°41          | 28°50          | S 13        |
| M14         | 15 24 39             | 22°36'59                    | 21°38                   | 26°58           | 27°16           | 6°47           | 19°19          | 25°44          | 23°37          | 2°21          | 2°56         | 11°R54         | 13°20          | 20°48          | 28°53          | M14         |
| T 15        | 15 28 36             | 23°34'50                    | 5 <b>)</b> (48          | 26°25           | 28°30           | 7°31           | 19°33          | 25°49          | 23°38          | 2°22          | 2°57         | 11°53          | 13°16          | 20°55          | 28°55          | T 15        |
| W16         | 15 32 32             | 24°32'41                    | 19°57                   | 25°50           | 29°44           | 8°16           | 19°48          | 25°54          | 23°39          | 2°23          | 2°59         | 11°51          | 13°13          | 21° 1          | 28°58          | W16         |
| T 17        | 15 36 29             | 25°30'30                    | 4 <b>Υ</b> 4            | 25°15           | 0Д58            | 9° 0           | 20° 2          | 25°59          | 23°39          | 2°24          | 3° 0         | 11°46          | 13°10          | 21° 8          | 29° 0          | T 17        |
| F 18        | 15 40 25             | 26°28'18                    | 18° 5                   | 24°40           | 2°12            | 9°45           | 20°16          | 26° 4          | 23°40          | 2°25          | 3° 1         | 11°40          | 13° 7          | 21°15          | 29° 2          | F 18        |
| S 19        | 15 44 22             | 27°26'05                    | 1856                    | 24° 6           | 3°26            | 10°29          | 20°30          | 26° 9          | 23°41          | 2°26          | 3° 2         | 11°33          | 13° 4          | 21°21          | 29° 4          | S 19        |
| S 20        | 15 48 19             | 28°23'50                    | 15°35                   | 23°32           | 4°39            | 11°13          | 20°44          | 26°14          | 23°41          | 2°27          | 3° 3         | 11°26          | 13° 1          | 21°28          | 29° 6          | S 20        |
| M21         | 15 52 15             | 29°21'35                    | 28°58                   | 23° 0           | 5°53            | 11°57          | 20°59          | 26°20          | 23°41          | 2°29          | 3° 5         | 11°19          | 12°57          | 21°35          | 29° 9          | M21         |
| T 22<br>W23 | 15 56 12<br>16 0 8   | 0 <b>工</b> 19'18<br>1°17'00 | 12 <b>Ⅱ</b> 4<br>24°51  | 22°31<br>22° 4  | 7° 7<br>8°21    | 12°42<br>13°26 | 21°13<br>21°27 | 26°25<br>26°31 | 23°42<br>23°42 | 2°30<br>2°31  | 3° 6<br>3° 7 | 11°14<br>11°11 | 12°54<br>12°51 | 21°42<br>21°48 | 29°11<br>29°13 | T 22<br>W23 |
| T 24        | 16 0 8<br>16 4 5     | 2°14'40                     | 7 <b>9</b> 21           | 21°40           | 9°35            | 13 20<br>14°10 | 21°41          | 26°36          | 23°42<br>23°42 | 2°32          | 3° 8         | 11°D10         | 12°48          | 21°55          | 29°15          | T 24        |
| F 25        | 16 8 1               | 3°12'19                     | 19°36                   | 21°19           | 10°48           | 14°54          | 21°55          | 26°42          | 23°43          | 2°34          | 3°10         | 11°10          | 12°45          | 21° 33         | 29°17          | F 25        |
| S 26        | 16 11 58             | 4° 9'56                     | 1039                    | 21° 2           | 12° 2           | 15°38          | 22° 9          | 26°47          | 23°43          | 2°35          | 3°11         | 11°12          | 12°42          | 22° 8          | 29°19          | S 26        |
| S 27        | 16 15 54             | 5° 7'32                     | 13°33                   | 20°49           | 13°16           | 16°22          | 22°23          | 26°53          | 23°43          | 2°36          | 3°12         | 11°13          | 12°38          | 22°15          | 29°21          | S 27        |
| M28         | 16 19 51             | 6° 5'07                     | 25°23                   | 20°40           | 14°30           | 17° 6          | 22°37          | 26°59          | 23°43          | 2°38          | 3°14         | 11°15          | 12°35          | 22°22          | 29°22          | M28         |
| T 29        | 16 23 48             | 7° 2'40                     | 7 <b>m</b> ) 15         | 20°36           | 15°43           | 17°49          | 22°51          | 27° 5          | 23°R43         | 2°39          | 3°15         | 11°R15         | 12°32          | 22°28          | 29°24          | T 29        |
| W30         | 16 27 44             | 8° 0'12                     | 19°13                   | 20°D36          | 1 <u>6</u> °57  | 18°33          | 23° 5          | 27°11          | 23°43          | 2°41          | 3°16         | 1 <u>1°</u> 14 | 1 <u>2°</u> 29 | 22°35          | 29°26          | W30         |
| T 31        | 16 31 41             | 8 <b>Ⅱ</b> 57'42            | 1 <b>≏</b> 22           | 20840           | 18 <b>I</b> I11 | 19 <b>8</b> 17 | 23 <b>8</b> 19 | 279917         | 23≈43          | 2 <b>N</b> 42 | 39518        | 11 <b>る</b> 12 | 12 <b>る</b> 26 | 22 <b>N</b> 42 | 29 <b>∺</b> 28 | T 31        |

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| Day  | Sid.t    | 0        | D               | ğ              | φ              | ♂              | 4              | ħ             | )f(            | <del>,</del>  | Р              | v               | v              | Ç               | ę,             | Day  |
|------|----------|----------|-----------------|----------------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|-----------------|----------------|-----------------|----------------|------|
| F 1  | 16 35 37 | 9∏55'12  | 13 <b>≏</b> 45  | 20849          | 19 <b>Ⅲ</b> 24 | 20 <b>8</b> 0  | 23 <b>8</b> 33 | 279523        | 23°R43         | 2 <b>N</b> 43 | 3 <b>9</b> 519 | 11°R 9          | 12る22          | 22 <b>\O</b> 48 | 29 <b>米</b> 29 | F 1  |
| S 2  | 16 39 34 | 10°52'39 | 26°28           | 21° 3          | 20°38          | 20°44          | 23°47          | 27°29         | 23 <b>≈</b> 43 | 2°45          | 3°20           | 11중 5           | 12°19          | 22°55           | 29°31          | S 2  |
| S 3  | 16 43 30 | 11°50'06 | 9 <b>M</b> .31  | 21°21          | 21°52          | 21°28          | 24° 1          | 27°35         | 23°43          | 2°46          | 3°22           | 11° 0           | 12°16          | 23° 2           | 29°32          | S 3  |
| M 4  | 16 47 27 | 12°47'32 | 22°55           | 21°43          | 23° 5          | 22°11          | 24°15          | 27°41         | 23°42          | 2°48          | 3°23           | 10°56           | 12°13          | 23° 8           | 29°34          | M 4  |
| T 5  | 16 51 23 | 13°44'57 | 6 <b>₮</b> 39   | 22° 9          | 24°19          | 22°54          | 24°28          | 27°47         | 23°42          | 2°50          | 3°25           | 10°52           | 12°10          | 23°15           | 29°35          | T 5  |
| W 6  | 16 55 20 | 14°42'20 | 20°40           | 22°40          | 25°32          | 23°38          | 24°42          | 27°54         | 23°42          | 2°51          | 3°26           | 10°50           | 12° 7          | 23°22           | 29°37          | W 6  |
| T 7  | 16 59 17 | 15°39'43 | 4 <b>ට</b> 55   | 23°15          | 26°46          | 24°21          | 24°56          | 28° 0         | 23°41          | 2°53          | 3°27           | 10°D49          | 12° 3          | 23°28           | 29°38          | T 7  |
| F 8  | 17 3 13  | 16°37'05 | 19°18           | 23°54          | 28° 0          | 25° 4          | 25°10          | 28° 7         | 23°41          | 2°54          | 3°29           | 10°49           | 12° 0          | 23°35           | 29°40          | F 8  |
| S 9  | 17 7 10  | 17°34'27 | 3≈46            | 24°38          | 29°13          | 25°47          | 25°23          | 28°13         | 23°40          | 2°56          | 3°30           | 10°50           | 11°57          | 23°42           | 29°41          | S 9  |
| S 10 | 17 11 6  | 18°31'48 | 18°12           | 25°25          | 0ණ27           | 26°31          | 25°37          | 28°20         | 23°40          | 2°58          | 3°32           | 10°51           | 11°54          | 23°48           | 29°42          | S 10 |
| M11  | 17 15 3  | 19°29'08 | 2 <b>) (</b> 34 | 26°16          | 1°40           | 27°14          | 25°51          | 28°26         | 23°39          | 3° 0          | 3°33           | 10°52           | 11°51          | 23°55           | 29°43          | M11  |
| T 12 | 17 18 59 | 20°26'28 | 16°48           | 27°10          | 2°54           | 27°57          | 26° 4          | 28°33         | 23°39          | 3° 1          | 3°34           | 10°R53          | 11°48          | 24° 2           | 29°44          | T 12 |
| W13  | 17 22 56 | 21°23'47 | 0 <b>Υ</b> 52   | 28° 9          | 4° 7           | 28°40          | 26°18          | 28°39         | 23°38          | 3° 3          | 3°36           | 10°53           | 11°44          | 24° 8           | 29°45          | W13  |
| T 14 | 17 26 52 | 22°21'07 | 14°45           | 29°11          | 5°21           | 29°23          | 26°31          | 28°46         | 23°37          | 3° 5          | 3°37           | 10°52           | 11°41          | 24°15           | 29°47          | T 14 |
| F 15 | 17 30 49 | 23°18'25 | 28°25           | 0 <b>Ⅱ</b> 16  | 6°35           | 0 <b>Ⅱ</b> 5   | 26°45          | 28°53         | 23°36          | 3° 7          | 3°39           | 10°50           | 11°38          | 24°22           | 29°47          | F 15 |
| S 16 | 17 34 46 | 24°15'44 | 11852           | 1°25           | 7°48           | 0°48           | 26°58          | 29° 0         | 23°36          | 3° 8          | 3°40           | 10°48           | 11°35          | 24°28           | 29°48          | S 16 |
| S 17 | 17 38 42 | 25°13'02 | 25° 5           | 2°37           | 9° 2           | 1°31           | 27°11          | 29° 7         | 23°35          | 3°10          | 3°42           | 10°46           | 11°32          | 24°35           | 29°49          | S 17 |
| M18  | 17 42 39 | 26°10'20 | 8 <b>I</b> I 4  | 3°53           | 10°15          | 2°14           | 27°25          | 29°14         | 23°34          | 3°12          | 3°43           | 10°44           | 11°28          | 24°42           | 29°50          | M18  |
| T 19 | 17 46 35 | 27° 7'37 | 20°49           | 5°12           | 11°29          | 2°56           | 27°38          | 29°21         | 23°33          | 3°14          | 3°45           | 10°42           | 11°25          | 24°49           | 29°51          | T 19 |
| W20  | 17 50 32 | 28° 4'54 | 39520           | 6°35           | 12°42          | 3°39           | 27°51          | 29°28         | 23°32          | 3°16          | 3°46           | 10°42           | 11°22          | 24°55           | 29°52          | W20  |
| T 21 | 17 54 28 | 29° 2'10 | 15°39           | 8° 0           | 13°56          | 4°21           | 28° 4          | 29°35         | 23°31          | 3°18          | 3°48           | 10°D42          | 11°19          | 25° 2           | 29°52          | T 21 |
| F 22 | 17 58 25 | 29°59'26 | 27°46           | 9°29           | 15° 9          | 5° 4           | 28°17          | 29°42         | 23°30          | 3°20          | 3°49           | 10°42           | 11°16          | 25° 9           | 29°53          | F 22 |
| S 23 | 18 2 21  | 0956'41  | 9 <b>Ω</b> 45   | 11° 2          | 16°23          | 5°46           | 28°30          | 29°49         | 23°29          | 3°22          | 3°51           | 10°43           | 11°13          | 25°15           | 29°53          | S 23 |
| S 24 | 18 6 18  | 1°53'56  | 21°37           | 12°37          | 17°36          | 6°29           | 28°43          | 29°56         | 23°27          | 3°23          | 3°52           | 10°44           | 11° 9          | 25°22           | 29°54          | S 24 |
| M25  | 18 10 15 | 2°51'10  | 3 <b>m</b> ) 27 | 14°15          | 18°49          | 7°11           | 28°56          | $0\Omega$ 3   | 23°26          | 3°25          | 3°53           | 10°45           | 11° 6          | 25°29           | 29°54          | M25  |
| T 26 | 18 14 11 | 3°48'24  | 15°19           | 15°57          | 20° 3          | 7°53           | 29° 9          | 0°10          | 23°25          | 3°27          | 3°55           | 10°45           | 11° 3          | 25°35           | 29°55          | T 26 |
| W27  | 18 18 8  | 4°45'37  | 27°16           | 17°41          | 21°16          | 8°35           | 29°22          | 0°17          | 23°24          | 3°29          | 3°56           | 10°46           | 11° 0          | 25°42           | 29°55          | W27  |
| T 28 | 18 22 4  | 5°42'50  | 9 <b>≙</b> 24   | 19°29          | 22°30          | 9°17           | 29°35          | 0°25          | 23°22          | 3°31          | 3°58           | 10°R46          | 10°57          | 25°49           | 29°55          | T 28 |
| F 29 | 18 26 1  | 6°40'02  | 21°47           | 21°19          | 23°43          | 9°59           | 29°47          | 0°32          | 23°21          | 3°33          | 3°59           | 10°45           | 10°54          | 25°55           | 29°56          | F 29 |
| S 30 | 18 29 57 | 79537'13 | 4 <b>M</b> 28   | 23 <b>Ⅱ</b> 12 | 249556         | 10 <b>Ⅱ</b> 41 | 0 <b>I</b> I 0 | 0 <b>Ω</b> 39 | 23≈20          | 3 <b>Ω</b> 35 | 4 <b>9</b> 5 1 | 10 <b>ප්</b> 45 | 10 <b>궁</b> 50 | 26 <b>Ω</b> 2   | 29 <b>米</b> 56 | S 30 |

Delta T = 19.78 sec

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| Day  | Sid.t    | 0                | D              | ğ              | φ             | ď               | 4             | ħ             | )f(    | ¥             | Р     | ß              | Ω              | Ç              | ę,             | Day  |
|------|----------|------------------|----------------|----------------|---------------|-----------------|---------------|---------------|--------|---------------|-------|----------------|----------------|----------------|----------------|------|
| S 1  | 18 33 54 | 8934'25          | 17 <b>M</b> 32 | 25 <b>II</b> 8 | 269510        | 11 <b>II</b> 23 | 0 <b>П</b> 13 | 0 <b>Ω</b> 47 | 23°R18 | 3 <b>Ω</b> 37 | 499 2 | 10°R45         | 10 <b>궁</b> 47 | 26⋒ 9          | 29 <b>米</b> 56 | S 1  |
| M 2  | 18 37 50 | 9°31'36          | 1 <b>才</b> 0   | 27° 6          | 27°23         | 12° 5           | 0°25          | 0°54          | 23≈17  | 3°40          | 4° 4  | 10 <b>る</b> 45 | 10°44          | 26°15          | 29°56          | M 2  |
| T 3  | 18 41 47 | 10°28'47         | 14°53          | 29° 7          | 28°36         | 12°47           | 0°38          | 1° 2          | 23°15  | 3°42          | 4° 5  | 10°D45         | 10°41          | 26°22          | 29°R56         | T 3  |
| W 4  | 18 45 44 | 11°25'58         | 29° 9          | 195 9          | 29°50         | 13°29           | 0°50          | 1° 9          | 23°14  | 3°44          | 4° 7  | 10°45          | 10°38          | 26°29          | 29°56          | W 4  |
| T 5  | 18 49 40 | 12°23'09         | 13 <b>る</b> 43 | 3°14           | 1 <b>0</b> 3  | 14°10           | 1° 2          | 1°16          | 23°12  | 3°46          | 4° 8  | 10°R45         | 10°34          | 26°36          | 29°56          | T 5  |
| F 6  | 18 53 37 | 13°20'19         | 28°30          | 5°20           | 2°16          | 14°52           | 1°15          | 1°24          | 23°10  | 3°48          | 4°10  | 10°45          | 10°31          | 26°42          | 29°56          | F 6  |
| S 7  | 18 57 33 | 14°17'30         | 13 <b>≈</b> 23 | 7°27           | 3°30          | 15°34           | 1°27          | 1°31          | 23° 9  | 3°50          | 4°11  | 10°44          | 10°28          | 26°49          | 29°56          | S 7  |
| S 8  | 19 1 30  | 15°14'41         | 28°14          | 9°36           | 4°43          | 16°15           | 1°39          | 1°39          | 23° 7  | 3°52          | 4°13  | 10°44          | 10°25          | 26°56          | 29°56          | S 8  |
| M 9  | 19 5 26  | 16°11'52         | 12 <b>)</b> 55 | 11°45          | 5°56          | 16°57           | 1°51          | 1°47          | 23° 5  | 3°54          | 4°14  | 10°43          | 10°22          | 27° 2          | 29°55          | M 9  |
| T 10 | 19 9 23  | 17° 9'04         | 27°22          | 13°54          | 7° 9          | 17°38           | 2° 3          | 1°54          | 23° 3  | 3°56          | 4°15  | 10°43          | 10°19          | 27° 9          | 29°55          | T 10 |
| W11  | 19 13 20 | 18° 6'16         | 11 <b>Y</b> 31 | 16° 4          | 8°23          | 18°19           | 2°15          | 2° 2          | 23° 2  | 3°59          | 4°17  | 10°43          | 10°15          | 27°16          | 29°55          | W11  |
| T 12 | 19 17 16 | 19° 3'29         | 25°21          | 18°13          | 9°36          | 19° 1           | 2°26          | 2° 9          | 23° 0  | 4° 1          | 4°18  | 10°D43         | 10°12          | 27°22          | 29°54          | T 12 |
| F 13 | 19 21 13 | 20° 0'42         | 8 <b>8</b> 50  | 20°22          | 10°49         | 19°42           | 2°38          | 2°17          | 22°58  | 4° 3          | 4°20  | 10°43          | 10° 9          | 27°29          | 29°54          | F 13 |
| S 14 | 19 25 9  | 20°57'56         | 22° 1          | 22°31          | 12° 2         | 20°23           | 2°50          | 2°25          | 22°56  | 4° 5          | 4°21  | 10°44          | 10° 6          | 27°36          | 29°53          | S 14 |
| S 15 | 19 29 6  | 21°55'11         | 4 <b>Ⅱ</b> 55  | 24°38          | 13°16         | 21° 4           | 3° 1          | 2°32          | 22°54  | 4° 7          | 4°23  | 10°45          | 10° 3          | 27°42          | 29°53          | S 15 |
| M16  | 19 33 2  | 22°52'26         | 17°34          | 26°45          | 14°29         | 21°45           | 3°13          | 2°40          | 22°52  | 4° 9          | 4°24  | 10°46          | 10° 0          | 27°49          | 29°52          | M16  |
| T 17 | 19 36 59 | 23°49'42         | 0න 0           | 28°50          | 15°42         | 22°26           | 3°24          | 2°48          | 22°50  | 4°12          | 4°25  | 10°46          | 9°56           | 27°56          | 29°51          | T 17 |
| W18  | 19 40 55 | 24°46'58         | 12°15          | 0 <b>Ω</b> 54  | 16°55         | 23° 7           | 3°35          | 2°55          | 22°48  | 4°14          | 4°27  | 10°R47         | 9°53           | 28° 2          | 29°51          | W18  |
| T 19 | 19 44 52 | 25°44'15         | 24°21          | 2°57           | 18° 8         | 23°48           | 3°47          | 3° 3          | 22°46  | 4°16          | 4°28  | 10°46          | 9°50           | 28° 9          | 29°50          | T 19 |
| F 20 | 19 48 49 | 26°41'32         | $6\Omega 20$   | 4°58           | 19°21         | 24°29           | 3°58          | 3°11          | 22°44  | 4°18          | 4°30  | 10°45          | 9°47           | 28°16          | 29°49          | F 20 |
| S 21 | 19 52 45 | 27°38'49         | 18°14          | 6°58           | 20°34         | 25°10           | 4° 9          | 3°18          | 22°42  | 4°20          | 4°31  | 10°43          | 9°44           | 28°23          | 29°48          | S 21 |
| S 22 | 19 56 42 | 28°36'07         | 0Mp 4          | 8°56           | 21°48         | 25°50           | 4°20          | 3°26          | 22°40  | 4°23          | 4°32  | 10°40          | 9°40           | 28°29          | 29°47          | S 22 |
| M23  | 20 038   | 29°33'25         | 11°54          | 10°52          | 23° 1         | 26°31           | 4°30          | 3°34          | 22°38  | 4°25          | 4°34  | 10°37          | 9°37           | 28°36          | 29°46          | M23  |
| T 24 | 20 4 35  | 0 <b>ん</b> 30'44 | 23°46          | 12°46          | 24°14         | 27°12           | 4°41          | 3°42          | 22°36  | 4°27          | 4°35  | 10°35          | 9°34           | 28°43          | 29°45          | T 24 |
| W25  | 20 8 31  | 1°28'03          | 5 <b>≏</b> 43  | 14°39          | 25°27         | 27°52           | 4°52          | 3°49          | 22°34  | 4°29          | 4°36  | 10°32          | 9°31           | 28°49          | 29°44          | W25  |
| T 26 | 20 12 28 | 2°25'23          | 17°50          | 16°30          | 26°40         | 28°33           | 5° 2          | 3°57          | 22°31  | 4°32          | 4°38  | 10°30          | 9°28           | 28°56          | 29°43          | T 26 |
| F 27 | 20 16 24 | 3°22'43          | 0 <b>M</b> _10 | 18°20          | 27°53         | 29°13           | 5°13          | 4° 5          | 22°29  | 4°34          | 4°39  | 10°D30         | 9°25           | 29° 3          | 29°42          | F 27 |
| S 28 | 20 20 21 | 4°20'04          | 12°48          | 20° 8          | 29° 6         | 29°53           | 5°23          | 4°13          | 22°27  | 4°36          | 4°40  | 10°30          | 9°21           | 29° 9          | 29°40          | S 28 |
| S 29 | 20 24 18 | 5°17'25          | 25°47          | 21°54          | 0 <b>m</b> 19 | 0934            | 5°33          | 4°20          | 22°25  | 4°38          | 4°42  | 10°31          | 9°18           | 29°16          | 29°39          | S 29 |
| M30  | 20 28 14 | 6°14'46          | 9 <b>.7</b> 11 | 23°38          | 1°32          | 1°14            | 5°43          | 4°28          | 22°22  | 4°40          | 4°43  | 10°32          | 9°15           | 29°23          | 29°38          | M30  |
| T 31 | 20 32 11 | 7 <b>Ω</b> 12'09 | 23 <b>×</b> 2  | 25 <b>Ω</b> 20 | 2 Mp 45       | 1954            | 5 <b>Ⅱ</b> 53 | 4 <b>Ω</b> 36 | 22≈20  | 4 <b>Ω</b> 43 | 49544 | 10 <b>궁</b> 34 | 9 <b>궁</b> 12  | 29 <b>Ω</b> 29 | 29 <b>米</b> 36 | T 31 |

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| Day  | Sid.t    | 0                | D              | χ+              | φ              | ♂     | 4              | ħ             | )ţ(    | ¥             | Р     | r              | c°            | Ç              | , k            | Day  |
|------|----------|------------------|----------------|-----------------|----------------|-------|----------------|---------------|--------|---------------|-------|----------------|---------------|----------------|----------------|------|
| W 1  | 20 36 7  | 8 <b>N</b> 9'32  | 7 <b>云</b> 19  | 27 <b>Ω</b> 1   | 3 <b>m</b> 57  | 2934  | 6 <b>I</b> I 3 | 4Ω44          | 22°R18 | 4 <b>Ω</b> 45 | 49945 | 10°R34         | 9 <b>ろ</b> 9  | 29€36          | 29°R35         | W 1  |
| T 2  | 20 40 4  | 9° 6'55          | 22° 1          | 28°41           | 5°10           | 3°14  | 6°13           | 4°51          | 22≈16  | 4°47          | 4°47  | 10 <b>궁</b> 34 | 9° 6          | 29°43          | 29 <b>)</b> 34 | T 2  |
| F 3  | 20 44 0  | 10° 4'20         | 7 <b>≈</b> 1   | 0 <b>m</b> y 18 | 6°23           | 3°54  | 6°23           | 4°59          | 22°13  | 4°49          | 4°48  | 10°32          | 9° 2          | 29°50          | 29°32          | F 3  |
| S 4  | 20 47 57 | 11° 1'45         | 22°11          | 1°54            | 7°36           | 4°34  | 6°32           | 5° 7          | 22°11  | 4°52          | 4°49  | 10°29          | 8°59          | 29°56          | 29°31          | S 4  |
| S 5  | 20 51 53 | 11°59'11         | 7 <b>∺</b> 22  | 3°28            | 8°49           | 5°14  | 6°42           | 5°15          | 22° 9  | 4°54          | 4°50  | 10°25          | 8°56          | 0 <b>m</b> y 3 | 29°29          | S 5  |
| M 6  | 20 55 50 | 12°56'38         | 22°24          | 5° 1            | 10° 2          | 5°54  | 6°51           | 5°22          | 22° 6  | 4°56          | 4°52  | 10°21          | 8°53          | 0°10           | 29°27          | M 6  |
| T 7  | 20 59 47 | 13°54'07         | 7 <b>Υ</b> 8   | 6°32            | 11°14          | 6°33  | 7° 0           | 5°30          | 22° 4  | 4°58          | 4°53  | 10°17          | 8°50          | 0°16           | 29°26          | T 7  |
| W 8  | 21 3 43  | 14°51'37         | 21°29          | 8° 1            | 12°27          | 7°13  | 7° 9           | 5°38          | 22° 2  | 5° 0          | 4°54  | 10°13          | 8°46          | 0°23           | 29°24          | W 8  |
| T 9  | 21 7 40  | 15°49'08         | 5 <b>8</b> 24  | 9°28            | 13°40          | 7°53  | 7°18           | 5°45          | 21°59  | 5° 3          | 4°55  | 10°11          | 8°43          | 0°30           | 29°22          | T 9  |
| F 10 | 21 11 36 | 16°46'40         | 18°52          | 10°54           | 14°52          | 8°32  | 7°27           | 5°53          | 21°57  | 5° 5          | 4°56  | 10°D11         | 8°40          | 0°36           | 29°20          | F 10 |
| S 11 | 21 15 33 | 17°44'15         | 1 <b>II</b> 56 | 12°18           | 16° 5          | 9°12  | 7°36           | 6° 1          | 21°54  | 5° 7          | 4°57  | 10°12          | 8°37          | 0°43           | 29°19          | S 11 |
| S 12 | 21 19 29 | 18°41'50         | 14°40          | 13°41           | 17°18          | 9°51  | 7°44           | 6° 8          | 21°52  | 5° 9          | 4°59  | 10°13          | 8°34          | 0°50           | 29°17          | S 12 |
| M13  | 21 23 26 | 19°39'27         | 27° 6          | 15° 1           | 18°30          | 10°31 | 7°53           | 6°16          | 21°50  | 5°11          | 5° 0  | 10°15          | 8°31          | 0°56           | 29°15          | M13  |
| T 14 | 21 27 22 | 20°37'06         | 99519          | 16°20           | 19°43          | 11°10 | 8° 1           | 6°24          | 21°47  | 5°13          | 5° 1  | 10°R15         | 8°27          | 1° 3           | 29°13          | T 14 |
| W15  | 21 31 19 | 21°34'46         | 21°22          | 17°37           | 20°56          | 11°49 | 8° 9           | 6°31          | 21°45  | 5°16          | 5° 2  | 10°15          | 8°24          | 1°10           | 29°11          | W15  |
| T 16 | 21 35 16 | 22°32'27         | 3 <b>Ω</b> 19  | 18°52           | 22° 8          | 12°29 | 8°17           | 6°39          | 21°42  | 5°18          | 5° 3  | 10°12          | 8°21          | 1°17           | 29° 9          | T 16 |
| F 17 | 21 39 12 | 23°30'09         | 15°11          | 20° 4           | 23°21          | 13° 8 | 8°25           | 6°46          | 21°40  | 5°20          | 5° 4  | 10° 8          | 8°18          | 1°23           | 29° 7          | F 17 |
| S 18 | 21 43 9  | 24°27'53         | 27° 2          | 21°15           | 24°33          | 13°47 | 8°33           | 6°54          | 21°38  | 5°22          | 5° 5  | 10° 1          | 8°15          | 1°30           | 29° 5          | S 18 |
| S 19 | 21 47 5  | 25°25'38         | 8 <b>m</b> 52  | 22°24           | 25°46          | 14°26 | 8°41           | 7° 1          | 21°35  | 5°24          | 5° 6  | 9°53           | 8°11          | 1°37           | 29° 2          | S 19 |
| M20  | 21 51 2  | 26°23'25         | 20°43          | 23°30           | 26°58          | 15° 5 | 8°48           | 7° 9          | 21°33  | 5°26          | 5° 7  | 9°44           | 8° 8          | 1°43           | 29° 0          | M20  |
| T 21 | 21 54 58 | 27°21'13         | 2 <b>≏</b> 39  | 24°34           | 28°10          | 15°44 | 8°56           | 7°16          | 21°30  | 5°28          | 5° 8  | 9°36           | 8° 5          | 1°50           | 28°58          | T 21 |
| W22  | 21 58 55 | 28°19'02         | 14°39          | 25°36           | 29°23          | 16°23 | 9° 3           | 7°24          | 21°28  | 5°30          | 5° 9  | 9°28           | 8° 2          | 1°57           | 28°56          | W22  |
| T 23 | 22 2 51  | 29°16'52         | 26°48          | 26°35           | 0 <b>ჲ</b> 35  | 17° 1 | 9°10           | 7°31          | 21°26  | 5°33          | 5°10  | 9°21           | 7°59          | 2° 3           | 28°54          | T 23 |
| F 24 | 22 6 48  | 0 <b>m</b> 14'43 | 9 <b>M</b> 8   | 27°31           | 1°48           | 17°40 | 9°17           | 7°38          | 21°23  | 5°35          | 5°11  | 9°17           | 7°56          | 2°10           | 28°51          | F 24 |
| S 25 | 22 10 45 | 1°12'36          | 21°44          | 28°25           | 3° 0           | 18°19 | 9°23           | 7°46          | 21°21  | 5°37          | 5°12  | 9°15           | 7°52          | 2°17           | 28°49          | S 25 |
| S 26 | 22 14 41 | 2°10'30          | 4 <b>₹</b> 38  | 29°15           | 4°12           | 18°57 | 9°30           | 7°53          | 21°19  | 5°39          | 5°13  | 9°D14          | 7°49          | 2°23           | 28°47          | S 26 |
| M27  | 22 18 38 | 3° 8'26          | 17°54          | 0 <b>호</b> 2    | 5°24           | 19°36 | 9°36           | 8° 0          | 21°16  | 5°41          | 5°14  | 9°15           | 7°46          | 2°30           | 28°44          | M27  |
| T 28 | 22 22 34 | 4° 6'22          | 1 <b>ප</b> 36  | 0°46            | 6°37           | 20°14 | 9°43           | 8° 8          | 21°14  | 5°43          | 5°14  | 9°16           | 7°43          | 2°37           | 28°42          | T 28 |
| W29  | 22 26 31 | 5° 4'20          | 15°45          | 1°26            | 7°49           | 20°53 | 9°49           | 8°15          | 21°12  | 5°45          | 5°15  | 9°R16          | 7°40          | 2°44           | 28°39          | W29  |
| T 30 | 22 30 27 | 6° 2'20          | 0≈20           | 2° 2            | 9° 1           | 21°31 | 9°55           | 8°22          | 21° 9  | 5°47          | 5°16  | 9°14           | <u>7</u> °37  | 2°50           | 28°37          | T 30 |
| F 31 | 22 34 24 | 7Mp 0'20         | 15 <b>≈</b> 18 | 2 <b>≏</b> 34   | 10 <b>≏</b> 13 | 229 9 | 10耳 1          | 8 <b>Ω</b> 29 | 21≈ 7  | 5 <b>Ω</b> 49 | 59917 | 9 <b>ට</b> 10  | 7 <b>ろ</b> 33 | 2 <b>m</b> 57  | 28 <b>米</b> 35 | F 31 |

Delta T = 19.92 sec

SEPTEMBER 1917 00:00 UT

| Day  | Sid.t  | 0   | D   | ğ  | φ   | ♂   | 4   | ħ   | )∤(   | ¥  | Р  | U  | v  | ţ  | ģ   | Day  |
|--|--|---|---|--|---|---|---|---|---|--|--|--|--|--|---|--|
| S 1  | 22 38 20   | 7 <b>m</b> 58'22  | 0 <b>∺</b> 31   | 3 <b>₾</b> 2   | 11 <b>≏</b> 25  | 229647  | 10耳 6   | 8 <b>N</b> 36   | 21°R 5  | 5 <b>Ω</b> 51  | 59918  | 9°R 4  | 7 <b>云</b> 30  | 3 Mp 4   | 28°R32  | S 1  |
| S 2<br>M 3<br>T 4<br>W 5<br>T 6<br>F 7<br>S 8      | 22 42 17<br>22 46 14<br>22 50 10<br>22 54 7<br>22 58 3<br>23 2 0<br>23 5 56      | 8°56'26<br>9°54'31<br>10°52'39<br>11°50'48<br>12°48'59<br>13°47'12<br>14°45'28              | 15°50<br>1°7 3<br>16° 0<br>0832<br>14°36<br>28°10<br>11 II 16                         | 3°25<br>3°43<br>3°56<br>4° 3<br>4°R 4<br>4° 0<br>3°49                          | 12°37<br>13°49<br>15° 1<br>16°13<br>17°25<br>18°36<br>19°48 | 23°25<br>24° 3<br>24°41<br>25°19<br>25°57<br>26°35<br>27°13       | 10°12<br>10°17<br>10°22<br>10°27<br>10°32<br>10°36<br>10°41 | 8°43<br>8°50<br>8°57<br>9° 4<br>9°11<br>9°18<br>9°25        | 21≈ 3<br>21° 0<br>20°58<br>20°56<br>20°54<br>20°52<br>20°50 | 5°53<br>5°55<br>5°56<br>5°58<br>6° 0<br>6° 2<br>6° 4 | 5°18<br>5°19<br>5°20<br>5°21<br>5°21<br>5°22<br>5°23 | 8 <b>5</b> 56<br>8°46<br>8°38<br>8°30<br>8°25<br>8°22<br>8°D21 | 7°27<br>7°24<br>7°21<br>7°17<br>7°14<br>7°11<br>7° 8 | 3°10<br>3°17<br>3°24<br>3°30<br>3°37<br>3°44<br>3°51 | 28 \ 29<br>28°27<br>28°24<br>28°22<br>28°19<br>28°17<br>28°14 | S 2<br>M 3<br>T 4<br>W 5<br>T 6<br>F 7<br>S 8              |
| S 9<br>M10<br>T 11<br>W12<br>T 13<br>F 14<br>S 15  | 23 9 53<br>23 13 49<br>23 17 46<br>23 21 43<br>23 25 39<br>23 29 36<br>23 33 32  | 15°43'45<br>16°42'04<br>17°40'26<br>18°38'50<br>19°37'15<br>20°35'43<br>21°34'12            | 23°57<br>6©19<br>18°26<br>0 <b>Q</b> 23<br>12°15<br>24° 4<br>5 <b>m</b> 54            | 3°31<br>3°7<br>2°36<br>1°59<br>1°16<br>0°27<br>29 TQ 33                        | 21° 0<br>22°12<br>23°23<br>24°35<br>25°47<br>26°58<br>28°10 | 27°50<br>28°28<br>29° 6<br>29°43<br>0 <b>Ω</b> 20<br>0°58<br>1°35 | 10°45<br>10°49<br>10°53<br>10°57<br>11° 0<br>11° 4<br>11° 7 | 9°32<br>9°39<br>9°45<br>9°52<br>9°58<br>10° 5               | 20°47<br>20°45<br>20°43<br>20°41<br>20°39<br>20°37<br>20°35 | 6° 6<br>6° 8<br>6° 9<br>6°11<br>6°13<br>6°15         | 5°23<br>5°24<br>5°24<br>5°25<br>5°26<br>5°26<br>5°27 | 8°21<br>8°R21<br>8°21<br>8°18<br>8°14<br>8° 6<br>7°56          | 7° 5<br>7° 2<br>6°58<br>6°55<br>6°52<br>6°49<br>6°46 | 3°57<br>4° 4<br>4°11<br>4°17<br>4°24<br>4°31<br>4°37 | 28°11<br>28° 9<br>28° 6<br>28° 3<br>28° 1<br>27°58<br>27°55   | S 9<br>M10<br>T 11<br>W12<br>T 13<br>F 14<br>S 15          |
| S 16<br>M17<br>T 18<br>W19<br>T 20<br>F 21<br>S 22 | 23 37 29<br>23 41 25<br>23 45 22<br>23 49 18<br>23 53 15<br>23 57 11<br>0 1 8    | 22°32'44<br>23°31'17<br>24°29'52<br>25°28'29<br>26°27'08<br>27°25'49<br>28°24'32            | 17°47<br>29°44<br>11 <b>2</b> 46<br>23°55<br>6 <b>M</b> .12<br>18°39<br>1 <b>√</b> 19 | 28°35<br>27°33<br>26°30<br>25°26<br>24°23<br>23°23<br>22°27                    | 29°21<br>0M.33<br>1°44<br>2°56<br>4° 7<br>5°18<br>6°29      | 2°12<br>2°49<br>3°26<br>4° 3<br>4°40<br>5°17<br>5°54              | 11°10<br>11°13<br>11°15<br>11°18<br>11°20<br>11°22<br>11°24 | 10°18<br>10°24<br>10°31<br>10°37<br>10°43<br>10°49<br>10°55 | 20°33<br>20°32<br>20°30<br>20°28<br>20°26<br>20°24<br>20°23 | 6°18<br>6°20<br>6°21<br>6°23<br>6°24<br>6°26<br>6°27 | 5°27<br>5°28<br>5°28<br>5°28<br>5°29<br>5°29<br>5°29 | 7°44<br>7°30<br>7°16<br>7° 4<br>6°53<br>6°45<br>6°41           | 6°43<br>6°39<br>6°36<br>6°33<br>6°30<br>6°27<br>6°23 | 4°44<br>4°51<br>4°58<br>5° 4<br>5°11<br>5°18<br>5°24 | 27°53<br>27°50<br>27°47<br>27°44<br>27°42<br>27°39<br>27°36   | S 16<br>M17<br>T 18<br>W19<br>T 20<br>F 21<br>S 22         |
| S 23<br>M24<br>T 25<br>W26<br>T 27<br>F 28<br>S 29 | 0 5 5<br>0 9 1<br>0 12 58<br>0 16 54<br>0 20 51<br>0 24 47<br>0 28 44<br>0 32 40 | 29°23'16<br>0\top22'02<br>1°20'50<br>2°19'39<br>3°18'31<br>4°17'23<br>5°16'18<br>6\top15'14 | 14°13<br>27°25<br>10♂59<br>24°56<br>9≈17<br>24° 0<br>9 ₩ 0                            | 21°37<br>20°54<br>20°19<br>19°53<br>19°36<br>19°D30<br>19°34<br>19 <b>m</b> 48 | 7°40<br>8°52<br>10°3<br>11°14<br>12°25<br>13°36<br>14°46    | 6°30<br>7° 7<br>7°43<br>8°20<br>8°56<br>9°32<br>10° 9             | 11°25<br>11°27<br>11°28<br>11°29<br>11°30<br>11°31<br>11¶31 | 11° 1<br>11° 7<br>11°13<br>11°19<br>11°25<br>11°31<br>11°36 | 20°21<br>20°19<br>20°18<br>20°16<br>20°14<br>20°13<br>20°11 | 6°29<br>6°30<br>6°32<br>6°33<br>6°35<br>6°36<br>6°37 | 5°30<br>5°30<br>5°30<br>5°31<br>5°31<br>5°31<br>5°31 | 6°38<br>6°38<br>6°37<br>6°34<br>6°29<br>6°21                   | 6°20<br>6°17<br>6°14<br>6°11<br>6°8<br>6°4<br>6°1    | 5°31<br>5°38<br>5°44<br>5°51<br>5°58<br>6°5<br>6°11  | 27°33<br>27°31<br>27°28<br>27°25<br>27°23<br>27°20<br>27°17   | S 23<br>M24<br>T 25<br>W26<br>T 27<br>F 28<br>S 29<br>S 30 |

Delta T = 19.99 sec

OCTOBER 1917 00:00 UT

| Day          | Sid.t              | $\odot$              | D                       | φ                     | φ                       | o <sup>7</sup> | 4              | ħ              | )∤(            | ¥             | 2            | Ŋ             | Ω              | Ç             | Š              | Day          |
|--------------|--------------------|----------------------|-------------------------|-----------------------|-------------------------|----------------|----------------|----------------|----------------|---------------|--------------|---------------|----------------|---------------|----------------|--------------|
| M 1          | 0 36 37            | 7 <b>≏</b> 14'13     | 9 <b>Υ</b> 17           | 20 Mp 12              | 17 <b>M</b> 8           | 11 <b>Ω</b> 21 | 11°R31         | 11 <b>Ω</b> 47 | 20°R 9         | 6 <b>Ω</b> 40 | 5932         | 6°R 0         | 5 <b>₹</b> 55  | 6 <b>m</b> 25 | 27°R12         | M 1          |
| T 2          | 0 40 34            | 8°13'13              | 24°14                   | 20°45                 | 18°18                   | 11°57          | 11 <b>Ⅲ</b> 31 | 11°53          | 20≈ 7          | 6°41          | 5°32         | 5 <b>る</b> 49 | 5°52           | 6°31          | 27 <b>米</b> 9  | T 2          |
| W 3          | 0 44 30            | 9°12'16              | 8 <b>8</b> 50           | 21°28                 | 19°29                   | 12°33          | 11°31          | 11°58          | 20° 6          | 6°43          | 5°32         | 5°39          | 5°48           | 6°38          | 27° 7          | W 3          |
| T 4          | 0 48 27            | 10°11'21             | 22°59                   | 22°19                 | 20°40                   | 13° 8          | 11°30          | 12° 3          | 20° 5          | 6°44          | 5°32         | 5°31          | 5°45           | 6°45          | 27° 4          | T 4          |
| F 5          | 0 52 23            | 11°10'28             | 6 <b>Ⅱ</b> 38           | 23°18                 | 21°50                   | 13°44          | 11°29          | 12° 9          | 20° 3          | 6°45          | 5°32         | 5°26          | 5°42           | 6°52          | 27° 1          | F 5          |
| S 6          | 0 56 20            | 12° 9'37             | 19°49                   | 24°24                 | 23° 0                   | 14°20          | 11°28          | 12°14          | 20° 2          | 6°46          | 5°32         | 5°24          | 5°39           | 6°58          | 26°59          | S 6          |
| S 7          | 1 0 16             | 13° 8'49             | 2934                    | 25°36                 | 24°11                   | 14°55          | 11°27          | 12°19          | 20° 1          | 6°47          | 5°R32        | 5°D23         | 5°36           | 7° 5          | 26°56          | S 7          |
| M 8          | 1 4 13             | 14° 8'03             | 14°58                   | 26°53                 | 25°21                   | 15°31          | 11°26          | 12°24          | 20° 0          | 6°48          | 5°32         | 5°R23         | 5°33           | 7°12          | 26°53          | M 8          |
| T 9          | 1 8 9              | 15° 7'19             | 27° 5                   | 28°16                 | 26°31                   | 16° 6          | 11°24          | 12°29          | 19°59          | 6°49          | 5°32         | 5°23          | 5°29           | 7°18          | 26°51          | T 9          |
| W10          | 1 12 6             | 16° 6'38             | 9 <b>Ω</b> 2            | 29°42                 | 27°41                   | 16°41          | 11°22          | 12°33          | 19°58          | 6°50          | 5°32         | 5°21          | 5°26           | 7°25          | 26°48          | W10          |
| T 11<br>F 12 | 1 16 3<br>1 19 59  | 17° 5'59<br>18° 5'22 | 20°52<br>2 <b>m</b> 42  | 1 <b>≙</b> 12<br>2°45 | 28°51<br>0 <b>×</b> 7 1 | 17°17<br>17°52 | 11°20<br>11°18 | 12°38<br>12°43 | 19°57<br>19°56 | 6°51<br>6°52  | 5°32<br>5°31 | 5°16<br>5° 9  | 5°23<br>5°20   | 7°32<br>7°38  | 26°46<br>26°43 | T 11<br>F 12 |
| S 13         | 1 23 56            | 18 322<br>19° 4'48   | 14°33                   | 4°21                  | 1°11                    | 17 32<br>18°27 | 11°16          | 12 43<br>12°47 | 19°55          | 6°53          | 5°31         | 3 9<br>4°59   | 5°17           | 7°45          | 26°41          | S 13         |
|              |                    | -,                   |                         |                       |                         |                |                |                |                |               |              |               |                |               | -              |              |
| S 14         | 1 27 52            | 20° 4'15             | 26°30                   | 5°58                  | 2°21                    | 19° 2          | 11°13          | 12°52          | 19°54          | 6°54          | 5°31         | 4°47          | 5°14           | 7°52          | 26°38          | S 14         |
| M15          | 1 31 49            | 21° 3'45             | 8 <b>₾</b> 35           | 7°37                  | 3°31                    | 19°36          | 11°11          | 12°56          | 19°54          | 6°55          | 5°31         | 4°34          | 5°10           | 7°59          | 26°36          | M15          |
| T 16<br>W17  | 1 35 45<br>1 39 42 | 22° 3'17<br>23° 2'51 | 20°48<br>3 <b>N</b> L10 | 9°17<br>10°58         | 4°40<br>5°50            | 20°11<br>20°46 | 11° 8<br>11° 4 | 13° 1<br>13° 5 | 19°53<br>19°52 | 6°56<br>6°57  | 5°31<br>5°31 | 4°20<br>4° 8  | 5° 7<br>5° 4   | 8° 5<br>8°12  | 26°34<br>26°31 | T 16<br>W17  |
| T 18         | 1 43 38            | 23 231<br>24° 2'26   | 15°42                   | 10°38                 | 7° 0                    | 20 40<br>21°20 | 11° 4          | 13° 9          | 19°51          | 6°58          | 5°30         | 3°57          | 5° 1           | 8°19          | 26°29          | T 18         |
| F 19         | 1 47 35            | 25° 2'04             | 28°24                   | 14°22                 | 8° 9                    | 21°55          | 10°58          | 13°13          | 19°51          | 6°58          | 5°30         | 3°50          | 4°58           | 8°25          | 26°27          | F 19         |
| S 20         | 1 51 32            | 26° 1'44             | 11 <b>×</b> 17          | 16° 4                 | 9°18                    | 22°29          | 10°54          | 13°17          | 19°50          | 6°59          | 5°30         | 3°45          | 4°54           | 8°32          | 26°24          | S 20         |
| S 21         | 1 55 28            | 27° 1'26             | 24°22                   | 17°46                 | 10°28                   | 23° 3          | 10°50          | 13°21          | 19°50          | 7° 0          | 5°29         | 3°43          | 4°51           | 8°39          | 26°22          | S 21         |
| M22          | 1 59 25            | 28° 1'09             | 7 <b>국</b> 22           | 17 40<br>19°29        | 10°28                   | 23°37          | 10°36          | 13°25          | 19°49          | 7° 0          | 5°29         | 3°D42         | 4°48           | 8°46          | 26°20          | M22          |
| T 23         | 2 3 21             | 29° 0'54             | 21°14                   | 21°11                 | 12°46                   | 24°11          | 10°41          | 13°28          | 19°49          | 7° 1          | 5°29         | 3°43          | 4°45           | 8°52          | 26°18          | T 23         |
| W24          | 2 7 18             | OM 0'41              | 5≈ 4                    | 22°53                 | 13°55                   | 24°45          | 10°37          | 13°32          | 19°49          | 7° 2          | 5°28         | 3°R43         | 4°42           | 8°59          | 26°15          | W24          |
| T 25         | 2 11 14            | 1° 0'29              | 19°12                   | 24°35                 | 15° 3                   | 25°19          | 10°32          | 13°35          | 19°48          | 7° 2          | 5°28         | 3°41          | 4°39           | 9° 6          | 26°13          | T 25         |
| F 26         | 2 15 11            | 2° 0'19              | 3 <b>∺</b> 36           | 26°16                 | 16°12                   | 25°53          | 10°28          | 13°39          | 19°48          | 7° 3          | 5°27         | 3°38          | 4°35           | 9°12          | 26°11          | F 26         |
| S 27         | 2 19 7             | 3° 0'11              | 18°14                   | 27°57                 | 17°21                   | 26°26          | 10°23          | 13°42          | 19°48          | 7° 3          | 5°27         | 3°32          | 4°32           | 9°19          | 26° 9          | S 27         |
| S 28         | 2 23 4             | 4° 0'04              | <b>3Υ</b> 0             | 29°37                 | 18°29                   | 26°59          | 10°17          | 13°45          | 19°48          | 7° 4          | 5°27         | 3°24          | 4°29           | 9°26          | 26° 7          | S 28         |
| M29          | 2 27 0             | 4°59'59              | 17°47                   | 1 <b>M</b> .18        | 19°37                   | 27°33          | 10°12          | 13°48          | 19°48          | 7° 4          | 5°26         | 3°14          | 4°26           | 9°32          | 26° 5          | M29          |
| T 30         | 2 30 57            | 5°59'56              | 2 <b>8</b> 26           | 2°57                  | 20°46                   | 28° 6          | 10° 7          | 13°51          | 19°D48         | 7° 5          | 5°26         | 3° 5          | 4°23           | 9°39          | 26° 3          | T 30         |
| W31          | 2 34 54            | 6ML59'54             | 16 <b>8</b> 51          | 4 <b>M</b> .37        | 21 <b>×</b> 754         | 28 <b>Ω</b> 39 | 10耳 1          | 13 <b>Ω</b> 54 | 19 <b>≈</b> 48 | 7 <b>Ω</b> 5  | 5925         | 2 <b>ප</b> 57 | 4 <b>ප්</b> 20 | 9 <b>m</b> 46 | 26 <b>米</b> 1  | W31          |

Delta T = 20.05 sec

NOVEMBER 1917 00:00 UT

| Day  | Sid.t   | 0                 | D               | ğ              | φ              | ð              | 4             | ħ              | )ұ(   | ¥            | Р              | 'n            | u             | Ç             | ę,             | Day  |
|------|---------|-------------------|-----------------|----------------|----------------|----------------|---------------|----------------|-------|--------------|----------------|---------------|---------------|---------------|----------------|------|
| T 1  | 2 38 50 | 7 <b>M</b> 59'55  | 0Д54            | 6 <b>M</b> .15 | 23 <b>×</b> 2  | 29 <b>Ω</b> 12 | 9°R55         | 13 <b>Ω</b> 57 | 19≈48 | 7 <b>Ω</b> 5 | 5°R24          | 2°R51         | 4 <b>ට</b> 16 | 9 <b>m</b> 53 | 25°R59         | T 1  |
| F 2  | 2 42 47 | 8°59'58           | 14°33           | 7°54           | 24° 9          | 29°45          | 9∏49          | 14° 0          | 19°48 | 7° 6         | 5 <b>95</b> 24 | 2 <b>중</b> 47 | 4°13          | 9°59          | 25 <b>米</b> 58 | F 2  |
| S 3  | 2 46 43 | 10° 0'03          | 27°46           | 9°32           | 25°17          | 0 <b>m</b> 18  | 9°43          | 14° 2          | 19°48 | 7° 6         | 5°23           | 2°D45         | 4°10          | 10° 6         | 25°56          | S 3  |
| S 4  | 2 50 40 | 11° 0'10          | 10934           | 11° 9          | 26°24          | 0°50           | 9°37          | 14° 5          | 19°48 | 7° 6         | 5°23           | 2°45          | 4° 7          | 10°13         | 25°54          | S 4  |
| M 5  | 2 54 36 | 12° 0'19          | 23° 1           | 12°46          | 27°32          | 1°23           | 9°30          | 14° 7          | 19°48 | 7° 6         | 5°22           | 2°46          | 4° 4          | 10°19         | 25°52          | M 5  |
| T 6  | 2 58 33 | 13° 0'30          | 5 <b>Ω</b> 12   | 14°23          | 28°39          | 1°55           | 9°24          | 14°10          | 19°49 | 7° 6         | 5°21           | 2°47          | 4° 0          | 10°26         | 25°51          | T 6  |
| W 7  | 3 2 30  | 14° 0'43          | 17°10           | 15°59          | 29°46          | 2°27           | 9°17          | 14°12          | 19°49 | 7° 6         | 5°21           | 2°R48         | 3°57          | 10°33         | 25°49          | W 7  |
| T 8  | 3 6 26  | 15° 0'58          | 29° 3           | 17°35          | 0 <b>궁</b> 53  | 3° 0           | 9°10          | 14°14          | 19°49 | 7° 7         | 5°20           | 2°46          | 3°54          | 10°40         | 25°48          | T 8  |
| F 9  | 3 10 23 | 16° 1'15          | 10 <b>m</b> 53  | 19°10          | 2° 0           | 3°31           | 9° 4          | 14°16          | 19°50 | 7° 7         | 5°19           | 2°43          | 3°51          | 10°46         | 25°46          | F 9  |
| S 10 | 3 14 19 | 17° 1'34          | 22°47           | 20°45          | 3° 6           | 4° 3           | 8°57          | 14°18          | 19°50 | 7°R 7        | 5°19           | 2°38          | 3°48          | 10°53         | 25°45          | S 10 |
| S 11 | 3 18 16 | 18° 1'55          | 4 <b>≏</b> 48   | 22°20          | 4°12           | 4°35           | 8°49          | 14°20          | 19°51 | 7° 7         | 5°18           | 2°31          | 3°45          | 11° 0         | 25°43          | S 11 |
| M12  | 3 22 12 | 19° 2'18          | 16°59           | 23°55          | 5°19           | 5° 7           | 8°42          | 14°21          | 19°52 | 7° 7         | 5°17           | 2°23          | 3°41          | 11° 6         | 25°42          | M12  |
| T 13 | 3 26 9  | 20° 2'42          | 29°22           | 25°29          | 6°25           | 5°38           | 8°35          | 14°23          | 19°52 | 7° 6         | 5°16           | 2°15          | 3°38          | 11°13         | 25°41          | T 13 |
| W14  | 3 30 5  | 21° 3'09          | 11 <b>M</b> 58  | 27° 3          | 7°30           | 6° 9           | 8°27          | 14°24          | 19°53 | 7° 6         | 5°15           | 2° 7          | 3°35          | 11°20         | 25°39          | W14  |
| T 15 | 3 34 2  | 22° 3'37          | 24°48           | 28°36          | 8°36           | 6°40           | 8°20          | 14°25          | 19°54 | 7° 6         | 5°15           | 2° 1          | 3°32          | 11°27         | 25°38          | T 15 |
| F 16 | 3 37 58 | 23° 4'07          | 7 <b>₹</b> 51   | 0 <b>√</b> 10  | 9°41           | 7°11           | 8°12          | 14°27          | 19°55 | 7° 6         | 5°14           | 1°56          | 3°29          | 11°33         | 25°37          | F 16 |
| S 17 | 3 41 55 | 24° 4'38          | 21° 6           | 1°43           | 10°46          | 7°42           | 8° 4          | 14°28          | 19°55 | 7° 6         | 5°13           | 1°54          | 3°25          | 11°40         | 25°36          | S 17 |
| S 18 | 3 45 52 | 25° 5'11          | 4 <b>云</b> 33   | 3°16           | 11°51          | 8°13           | 7°57          | 14°29          | 19°56 | 7° 6         | 5°12           | 1°D53         | 3°22          | 11°47         | 25°35          | S 18 |
| M19  | 3 49 48 | 26° 5'45          | 18°10           | 4°49           | 12°56          | 8°43           | 7°49          | 14°30          | 19°57 | 7° 5         | 5°11           | 1°54          | 3°19          | 11°53         | 25°34          | M19  |
| T 20 | 3 53 45 | 27° 6'20          | 1≈57            | 6°21           | 14° 0          | 9°13           | 7°41          | 14°30          | 19°58 | 7° 5         | 5°10           | 1°56          | 3°16          | 12° 0         | 25°33          | T 20 |
| W21  | 3 57 41 | 28° 6'57          | 15°53           | 7°53           | 15° 4          | 9°43           | 7°33          | 14°31          | 19°59 | 7° 5         | 5° 9           | 1°57          | 3°13          | 12° 7         | 25°32          | W21  |
| T 22 | 4 1 38  | 29° 7'34          | 29°58           | 9°25           | 16° 8          | 10°13          | 7°25          | 14°31          | 20° 1 | 7° 4         | 5° 8           | 1°R58         | 3°10          | 12°14         | 25°31          | T 22 |
| F 23 | 4 5 34  | 0 <b>∡</b> 8'13   | 14 <b>)</b> 10  | 10°57          | 17°12          | 10°43          | 7°17          | 14°32          | 20° 2 | 7° 4         | 5° 7           | 1°57          | 3° 6          | 12°20         | 25°30          | F 23 |
| S 24 | 4 9 31  | 1° 8'53           | 28°27           | 12°29          | 18°15          | 11°13          | 7° 9          | 14°32          | 20° 3 | 7° 3         | 5° 6           | 1°54          | 3° 3          | 12°27         | 25°29          | S 24 |
| S 25 | 4 13 27 | 2° 9'34           | 12 <b>Y</b> 47  | 14° 0          | 19°18          | 11°42          | 7° 1          | 14°32          | 20° 4 | 7° 3         | 5° 5           | 1°51          | 3° 0          | 12°34         | 25°29          | S 25 |
| M26  | 4 17 24 | 3°10'16           | 27° 5           | 15°31          | 20°20          | 12°11          | 6°53          | 14°R32         | 20° 5 | 7° 2         | 5° 4           | 1°47          | 2°57          | 12°40         | 25°28          | M26  |
| T 27 | 4 21 21 | 4°10'59           | 11816           | 17° 2          | 21°23          | 12°40          | 6°44          | 14°32          | 20° 7 | 7° 2         | 5° 3           | 1°42          | 2°54          | 12°47         | 25°27          | T 27 |
| W28  | 4 25 17 | 5°11'43           | 25°16           | 18°33          | 22°25          | 13° 9          | 6°36          | 14°32          | 20° 8 | 7° 1         | 5° 2           | 1°38          | 2°51          | 12°54         | 25°27          | W28  |
| T 29 | 4 29 14 | 6°12'29           | 9 <u>H</u> 0    | 20° 4          | 23°26          | 13°38          | 6°28          | 14°32          | 20°10 | 7° 0         | 5° 1           | 1°36          | 2°47          | 13° 1         | 25°26          | T 29 |
| F 30 | 4 33 10 | 7 <b>,7</b> 13'16 | 22 <b>II</b> 26 | 21 <b>~</b> 34 | 24 <b>궁</b> 27 | 14M) 6         | 6 <b>Ⅱ</b> 20 | 14 <b>Ω</b> 32 | 20≈11 | 7 <b>Ω</b> 0 | 5 <b>95</b> 0  | 1 <b>る</b> 34 | 2 <b>ろ</b> 44 | 13 <b>m</b> 7 | 25 <b>米</b> 26 | F 30 |

Delta T = 20.12 sec

DECEMBER 1917 00:00 UT

| Day  | Sid.t   | $\odot$          | D              | φ              | φ              | ď              | 4              | ħ              | )∤(   | ¥            | 5     | R             | Ω              | \$             | g              | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|-------|--------------|-------|---------------|----------------|----------------|----------------|------|
| S 1  | 4 37 7  | 8 <b>%</b> 14'04 | 5932           | 23 <b>×7</b> 4 | 25 <b>る</b> 28 | 14 <b>M</b> 35 | 6°R12          | 14°R31         | 20≈13 | 6°R59        | 4°R59 | 1°D34         | 2 <b>ප්</b> 41 | 13 <b>m</b> 14 | 25°R26         | S 1  |
| S 2  | 4 41 3  | 9°14'53          | 18°17          | 24°33          | 26°29          | 15° 3          | 6 <b>I</b> I 3 | 14 <b>Ω</b> 31 | 20°14 | $6\Omega$ 58 | 4958  | 1 <b>ප</b> 35 | 2°38           | 13°21          | 25 <b>∺</b> 25 | S 2  |
| M 3  | 4 45 0  | 10°15'44         | 0 <b>Ω</b> 45  | 26° 2          | 27°29          | 15°31          | 5°55           | 14°30          | 20°16 | 6°58         | 4°57  | 1°36          | 2°35           | 13°27          | 25°25          | M 3  |
| T 4  | 4 48 57 | 11°16'36         | 12°58          | 27°30          | 28°28          | 15°58          | 5°47           | 14°29          | 20°18 | 6°57         | 4°56  | 1°38          | 2°32           | 13°34          | 25°25          | T 4  |
| W 5  | 4 52 53 | 12°17'29         | 24°59          | 28°58          | 29°28          | 16°26          | 5°39           | 14°28          | 20°19 | 6°56         | 4°55  | 1°39          | 2°28           | 13°41          | 25°25          | W 5  |
| T 6  | 4 56 50 | 13°18'24         | 6 <b>M</b> 53  | 0 <b>궁</b> 26  | 0≈26           | 16°53          | 5°31           | 14°27          | 20°21 | 6°55         | 4°54  | 1°40          | 2°25           | 13°48          | 25°24          | T 6  |
| F 7  | 5 0 46  | 14°19'20         | 18°45          | 1°52           | 1°25           | 17°20          | 5°23           | 14°26          | 20°23 | 6°54         | 4°53  | 1°R40         | 2°22           | 13°54          | 25°D24         | F 7  |
| S 8  | 5 4 43  | 15°20'17         | 0 <b>ჲ</b> 39  | 3°17           | 2°22           | 17°47          | 5°15           | 14°25          | 20°25 | 6°54         | 4°52  | 1°39          | 2°19           | 14° 1          | 25°24          | S 8  |
| S 9  | 5 8 39  | 16°21'15         | 12°41          | 4°42           | 3°20           | 18°13          | 5° 7           | 14°23          | 20°27 | 6°53         | 4°50  | 1°38          | 2°16           | 14° 8          | 25°25          | S 9  |
| M10  | 5 12 36 | 17°22'14         | 24°54          | 6° 5           | 4°16           | 18°39          | 4°59           | 14°22          | 20°29 | 6°52         | 4°49  | 1°36          | 2°12           | 14°14          | 25°25          | M10  |
| T 11 | 5 16 32 | 18°23'15         | 7 <b>M</b> 22  | 7°26           | 5°12           | 19° 5          | 4°52           | 14°20          | 20°31 | 6°51         | 4°48  | 1°34          | 2° 9           | 14°21          | 25°25          | T 11 |
| W12  | 5 20 29 | 19°24'16         | 20° 8          | 8°46           | 6° 8           | 19°31          | 4°44           | 14°19          | 20°33 | 6°50         | 4°47  | 1°32          | 2° 6           | 14°28          | 25°25          | W12  |
| T 13 | 5 24 26 | 20°25'19         | 3 <b>₹</b> 12  | 10° 4          | 7° 3           | 19°57          | 4°36           | 14°17          | 20°35 | 6°49         | 4°46  | 1°31          | 2° 3           | 14°35          | 25°25          | T 13 |
| F 14 | 5 28 22 | 21°26'22         | 16°35          | 11°19          | 7°58           | 20°22          | 4°29           | 14°15          | 20°37 | 6°48         | 4°45  | 1°30          | 2° 0           | 14°41          | 25°26          | F 14 |
| S 15 | 5 32 19 | 22°27'27         | 0 <b>궁</b> 15  | 12°31          | 8°51           | 20°47          | 4°21           | 14°13          | 20°39 | 6°47         | 4°43  | 1°D29         | 1°57           | 14°48          | 25°26          | S 15 |
| S 16 | 5 36 15 | 23°28'32         | 14° 9          | 13°40          | 9°44           | 21°11          | 4°14           | 14°11          | 20°41 | 6°45         | 4°42  | 1°30          | 1°53           | 14°55          | 25°27          | S 16 |
| M17  | 5 40 12 | 24°29'37         | 28°14          | 14°45          | 10°37          | 21°36          | 4° 7           | 14° 8          | 20°44 | 6°44         | 4°41  | 1°30          | 1°50           | 15° 1          | 25°27          | M17  |
| T 18 | 5 44 8  | 25°30'43         | 12≈27          | 15°46          | 11°29          | 22° 0          | 4° 0           | 14° 6          | 20°46 | 6°43         | 4°40  | 1°31          | 1°47           | 15° 8          | 25°28          | T 18 |
| W19  | 5 48 5  | 26°31'49         | 26°43          | 16°42          | 12°20          | 22°24          | 3°53           | 14° 4          | 20°48 | 6°42         | 4°39  | 1°31          | 1°44           | 15°15          | 25°28          | W19  |
| T 20 | 5 52 1  | 27°32'56         | 10 <b>)</b> 59 | 17°31          | 13°10          | 22°47          | 3°46           | 14° 1          | 20°51 | 6°41         | 4°37  | 1°32          | 1°41           | 15°22          | 25°29          | T 20 |
| F 21 | 5 55 58 | 28°34'02         | 25°13          | 18°14          | 13°59          | 23°10          | 3°39           | 13°59          | 20°53 | 6°39         | 4°36  | 1°R32         | 1°37           | 15°28          | 25°30          | F 21 |
| S 22 | 5 59 55 | 29°35'09         | 9 <b>Ƴ</b> 21  | 18°50          | 14°47          | 23°33          | 3°32           | 13°56          | 20°56 | 6°38         | 4°35  | 1°32          | 1°34           | 15°35          | 25°30          | S 22 |
| S 23 | 6 3 51  | 0 <b>궁</b> 36'16 | 23°22          | 19°17          | 15°35          | 23°56          | 3°26           | 13°53          | 20°58 | 6°37         | 4°34  | 1°32          | 1°31           | 15°42          | 25°31          | S 23 |
| M24  | 6 7 48  | 1°37'23          | 7 <b>8</b> 15  | 19°35          | 16°22          | 24°18          | 3°19           | 13°50          | 21° 1 | 6°36         | 4°33  | 1°D32         | 1°28           | 15°49          | 25°32          | M24  |
| T 25 | 6 11 44 | 2°38'30          | 20°57          | 19°R42         | 17° 7          | 24°40          | 3°13           | 13°47          | 21° 3 | 6°34         | 4°31  | 1°32          | 1°25           | 15°55          | 25°33          | T 25 |
| W26  | 6 15 41 | 3°39'37          | 4 <b>Ⅱ</b> 27  | 19°39          | 17°52          | 25° 2          | 3° 7           | 13°44          | 21° 6 | 6°33         | 4°30  | 1°32          | 1°22           | 16° 2          | 25°34          | W26  |
| T 27 | 6 19 37 | 4°40'45          | 17°45          | 19°24          | 18°36          | 25°23          | 3° 1           | 13°41          | 21° 8 | 6°32         | 4°29  | 1°32          | 1°18           | 16° 9          | 25°35          | T 27 |
| F 28 | 6 23 34 | 5°41'52          | 09549          | 18°57          | 19°18          | 25°44          | 2°56           | 13°38          | 21°11 | 6°30         | 4°28  | 1°R32         | 1°15           | 16°15          | 25°36          | F 28 |
| S 29 | 6 27 30 | 6°43'00          | 13°39          | 18°19          | 19°59          | 26° 4          | 2°50           | 13°34          | 21°14 | 6°29         | 4°27  | 1°32          | 1°12           | 16°22          | 25°37          | S 29 |
| S 30 | 6 31 27 | 7°44'08          | 26°15          | 17°29          | 20°40          | 26°24          | 2°45           | 13°31          | 21°16 | 6°27         | 4°25  | 1°32          | 1° 9           | 16°29          | 25°39          | S 30 |
| M31  | 6 35 24 | 8 <b>궁</b> 45'17 | 8 <b>Ω</b> 37  | 16 <b>궁</b> 29 | 21≈18          | 26 Mp 44       | 2Д39           | 13 <b>Ω</b> 27 | 21≈19 | $6\Omega$ 26 | 49524 | 1 <b>ਰ</b> 31 | 1중 6           | 16 <b>M</b> 36 | 25 <b>)</b> 40 | M31  |

Delta T = 20.18 sec

JANUARY 1918 00:00 UT

| Day  | Sid.t   | 0                 | D              | ğ              | φ      | ď               | 4              | ħ               | )ţ(   | 并             | Р             | n             | Ω               | Ç               | ķ               | Day  |
|------|---------|-------------------|----------------|----------------|--------|-----------------|----------------|-----------------|-------|---------------|---------------|---------------|-----------------|-----------------|-----------------|------|
| T 1  | 6 39 20 | 9 <b>ප්</b> 46'25 | 20Ω47          | 15°R20         | 21≈56  | 27 <b>m</b> ) 4 | 2°R34          | 13°R24          | 21≈22 | 6°R25         | 4°R23         | 1°R30         | 1る 3            | 16 <b>m</b> )42 | 25 <b>){</b> 41 | T 1  |
| W 2  | 6 43 17 | 10°47'34          | 2 Mp 48        | 14궁 5          | 22°32  | 27°23           | 2∏29           | 13 <b>Ω</b> 20  | 21°25 | $6\Omega 23$  | 49522         | 1 <b>る</b> 28 | 0°59            | 16°49           | 25°43           | W 2  |
| T 3  | 6 47 13 | 11°48'42          | 14°42          | 12°45          | 23° 7  | 27°41           | 2°24           | 13°16           | 21°27 | 6°22          | 4°20          | 1°27          | 0°56            | 16°56           | 25°44           | T 3  |
| F 4  | 6 51 10 | 12°49'51          | 26°34          | 11°24          | 23°41  | 27°59           | 2°20           | 13°13           | 21°30 | 6°20          | 4°19          | 1°26          | 0°53            | 17° 2           | 25°46           | F 4  |
| S 5  | 6 55 6  | 13°51'01          | 8 <b>≏</b> 28  | 10° 4          | 24°13  | 28°17           | 2°15           | 13° 9           | 21°33 | 6°19          | 4°18          | 1°D25         | 0°50            | 17° 9           | 25°47           | S 5  |
| S 6  | 6 59 3  | 14°52'10          | 20°28          | 8°47           | 24°43  | 28°35           | 2°11           | 13° 5           | 21°36 | 6°17          | 4°17          | 1°25          | 0°47            | 17°16           | 25°49           | S 6  |
| M 7  | 7 2 59  | 15°53'20          | 2 <b>M</b> 39  | 7°36           | 25°12  | 28°52           | 2° 7           | 13° 1           | 21°39 | 6°15          | 4°16          | 1°26          | 0°43            | 17°23           | 25°50           | M 7  |
| T 8  | 7 6 56  | 16°54'29          | 15° 5          | 6°32           | 25°39  | 29° 8           | 2° 3           | 12°57           | 21°42 | 6°14          | 4°14          | 1°27          | 0°40            | 17°29           | 25°52           | T 8  |
| W 9  | 7 10 53 | 17°55'39          | 27°51          | 5°38           | 26° 4  | 29°24           | 2° 0           | 12°52           | 21°45 | 6°12          | 4°13          | 1°29          | 0°37            | 17°36           | 25°54           | W 9  |
| T 10 | 7 14 49 | 18°56'49          | 11 <b>%</b> 0  | 4°52           | 26°28  | 29°39           | 1°56           | 12°48           | 21°48 | 6°11          | 4°12          | 1°30          | 0°34            | 17°43           | 25°55           | T 10 |
| F 11 | 7 18 46 | 19°57'59          | 2 <u>4</u> °33 | 4°17           | 26°50  | 29°55           | 1°53           | 12°44           | 21°51 | 6° 9          | 4°11          | 1°R31         | 0°31            | 17°49           | 25°57           | F 11 |
| S 12 | 7 22 42 | 20°59'08          | 8 <b>云</b> 30  | 3°51           | 27°10  | 0 <b>亞</b> 9    | 1°50           | 12°40           | 21°54 | 6° 7          | 4°10          | 1°31          | 0°28            | 17°56           | 25°59           | S 12 |
| S 13 | 7 26 39 | 22° 0'18          | 22°48          | 3°35           | 27°27  | 0°23            | 1°47           | 12°35           | 21°57 | 6° 6          | 4° 9          | 1°30          | 0°24            | 18° 3           | 26° 1           | S 13 |
| M14  | 7 30 35 | 23° 1'27          | 7≈21           | 3°D28          | 27°43  | 0°37            | 1°44           | 12°31           | 22° 1 | 6° 4          | 4° 8          | 1°28          | 0°21            | 18°10           | 26° 3           | M14  |
| T 15 | 7 34 32 | 24° 2'35          | 22° 4          | 3°30           | 27°57  | 0°50            | 1°42           | 12°26           | 22° 4 | 6° 3          | 4° 6          | 1°25          | 0°18            | 18°16           | 26° 5           | T 15 |
| W16  | 7 38 29 | 25° 3'43          | 6 <b>)</b> €49 | 3°40           | 28° 8  | 1° 2            | 1°40           | 12°22           | 22° 7 | 6° 1          | 4° 5          | 1°21          | 0°15            | 18°23           | 26° 7           | W16  |
| T 17 | 7 42 25 | 26° 4'49          | 21°29          | 3°57           | 28°17  | 1°14            | 1°38           | 12°17           | 22°10 | 5°59          | 4° 4          | 1°18          | 0°12            | 18°30           | 26° 9           | T 17 |
| F 18 | 7 46 22 | 27° 5'55          | 5 <b>Υ</b> 58  | 4°22           | 28°24  | 1°25            | 1°36           | 12°12           | 22°13 | 5°58          | 4° 3          | 1°15          | 0° 9            | 18°37           | 26°11           | F 18 |
| S 19 | 7 50 18 | 28° 7'01          | 20°12          | 4°52           | 28°29  | 1°36            | 1°34           | 12° 8           | 22°16 | 5°56          | 4° 2          | 1°14          | 0° 5            | 18°43           | 26°13           | S 19 |
| S 20 | 7 54 15 | 29° 8'05          | 4 <b>8</b> 9   | 5°28           | 28°R31 | 1°46            | 1°33           | 12° 3           | 22°20 | 5°54          | 4° 1          | 1°D14         | 0° 2            | 18°50           | 26°16           | S 20 |
| M21  | 7 58 11 | 0≈ 9'08           | 17°48          | 6° 9           | 28°30  | 1°56            | 1°31           | 11°58           | 22°23 | 5°53          | 4° 0          | 1°15          | 29 <b>×</b> 759 | 18°57           | 26°18           | M21  |
| T 22 | 8 2 8   | 1°10'11           | 1 <b>I</b> I11 | 6°54           | 28°27  | 2° 5            | 1°30           | 11°54           | 22°26 | 5°51          | 3°59          | 1°16          | 29°56           | 19° 3           | 26°20           | T 22 |
| W23  | 8 6 4   | 2°11'12           | 14°18          | 7°44           | 28°22  | 2°14            | 1°29           | 11°49           | 22°30 | 5°49          | 3°58          | 1°18          | 29°53           | 19°10           | 26°23           | W23  |
| T 24 | 8 10 1  | 3°12'12           | 27°12          | 8°37           | 28°14  | 2°21            | 1°29           | 11°44           | 22°33 | 5°48          | 3°57          | 1°R19         | 29°49           | 19°17           | 26°25           | T 24 |
| F 25 | 8 13 58 | 4°13'12           | 9953           | 9°34           | 28° 3  | 2°29            | 1°28           | 11°39           | 22°36 | 5°46          | 3°56          | 1°19          | 29°46           | 19°24           | 26°27           | F 25 |
| S 26 | 8 17 54 | 5°14'11           | 22°24          | 10°34          | 27°50  | 2°35            | 1°28           | 11°34           | 22°40 | 5°44          | 3°54          | 1°17          | 29°43           | 19°30           | 26°30           | S 26 |
| S 27 | 8 21 51 | 6°15'08           | 4Ω44           | 11°37          | 27°35  | 2°41            | 1°D28          | 11°29           | 22°43 | 5°42          | 3°53          | 1°13          | 29°40           | 19°37           | 26°32           | S 27 |
| M28  | 8 25 47 | 7°16'05           | 16°56          | 12°42          | 27°17  | 2°46            | 1°28           | 11°25           | 22°46 | 5°41          | 3°52          | 1° 8          | 29°37           | 19°44           | 26°35           | M28  |
| T 29 | 8 29 44 | 8°17'00           | 29° 1          | 13°49          | 26°56  | 2°51            | 1°29           | 11°20           | 22°50 | 5°39          | 3°52          | 1° 1          | 29°34           | 19°50           | 26°38           | T 29 |
| W30  | 8 33 40 | 9°17'55           | 10 <b>m</b> 59 | 14°59          | 26°33  | 2°55            | 1°29           | 11°15           | 22°53 | 5°37          | 3°51          | 0°53          | 29°30           | 19°57           | 26°40           | W30  |
| T 31 | 8 37 37 | 10≈18'49          | 22 <b>m</b> 52 | 16 <b>궁</b> 10 | 26≈ 8  | 2 <b>≏</b> 58   | 1 <b>II</b> 30 | 11 <b>\O</b> 10 | 22≈56 | 5 <b>Ω</b> 36 | 3 <b>9</b> 50 | 0 <b>궁</b> 46 | 29 <b>×</b> 27  | 20 Mg 4         | 26 <b>)</b> 43  | T 31 |

Delta T = 20.25 sec

FEBRUARY 1918 00:00 UT

|      |          |                   |                 |                |        |                |                |               |       |               |                |                 |                 |                 |                 | -    |
|------|----------|-------------------|-----------------|----------------|--------|----------------|----------------|---------------|-------|---------------|----------------|-----------------|-----------------|-----------------|-----------------|------|
| Day  | Sid.t    | 0                 | D               | ğ              | φ      | ď              | 4              | ħ             | )f(   | ¥             | Р              | N.              | v               | Ç               | ę,              | Day  |
| F 1  | 8 41 33  | 11≈19'42          | 4 <b>Ω</b> 43   | 17 <b>る</b> 23 | 25°R41 | 3 <b>₾</b> 1   | 1 <b>II</b> 31 | 11°R 5        | 23≈ 0 | 5°R34         | 3°R49          | 0°R39           | 29 <b>×</b> 24  | 20 <b>m</b> )11 | 26 <b>)</b> (46 | F 1  |
| S 2  | 8 45 30  | 12°20'34          | 16°36           | 18°38          | 25≈12  | 3° 2           | 1°32           | 11 <b>0</b> 0 | 23° 3 | 5 <b>Ω</b> 32 | 3 <b>95</b> 48 | 0 <b>る</b> 34   | 29°21           | 20°17           | 26°48           | S 2  |
| S 3  | 8 49 27  | 13°21'26          | 28°34           | 19°55          | 24°42  | 3° 4           | 1°34           | 10°55         | 23° 7 | 5°31          | 3°47           | 0°31            | 29°18           | 20°24           | 26°51           | S 3  |
| M 4  | 8 53 23  | 14°22'16          | 10 <b>M</b> 41  | 21°13          | 24° 9  | 3°R 4          | 1°35           | 10°50         | 23°10 | 5°29          | 3°46           | 0°D29           | 29°15           | 20°31           | 26°54           | M 4  |
| T 5  | 8 57 20  | 15°23'06          | 23° 3           | 22°32          | 23°36  | 3° 3           | 1°37           | 10°45         | 23°14 | 5°27          | 3°45           | 0°30            | 29°11           | 20°38           | 26°57           | T 5  |
| W 6  | 9 1 16   | 16°23'55          | 5 <b>,</b> 7⁴43 | 23°53          | 23° 1  | 3° 2           | 1°39           | 10°40         | 23°17 | 5°26          | 3°44           | 0°31            | 29° 8           | 20°44           | 26°59           | W 6  |
| T 7  | 9 5 13   | 17°24'43          | 18°48           | 25°14          | 22°25  | 3° 0           | 1°42           | 10°36         | 23°21 | 5°24          | 3°43           | 0°32            | 29° 5           | 20°51           | 27° 2           | T 7  |
| F 8  | 999      | 18°25'30          | 2 <b>る</b> 19   | 26°37          | 21°48  | 2°58           | 1°44           | 10°31         | 23°24 | 5°22          | 3°43           | 0°R33           | 29° 2           | 20°58           | 27° 5           | F 8  |
| S 9  | 9 13 6   | 19°26'16          | 16°18           | 28° 1          | 21°11  | 2°54           | 1°47           | 10°26         | 23°27 | 5°21          | 3°42           | 0°31            | 28°59           | 21° 4           | 27° 8           | S 9  |
| S 10 | 9 17 2   | 20°27'00          | 0≈45            | 29°26          | 20°34  | 2°50           | 1°49           | 10°21         | 23°31 | 5°19          | 3°41           | 0°28            | 28°55           | 21°11           | 27°11           | S 10 |
| M11  | 9 20 59  | 21°27'44          | 15°35           | 0≈53           | 19°57  | 2°45           | 1°52           | 10°16         | 23°34 | 5°17          | 3°40           | 0°22            | 28°52           | 21°18           | 27°14           | M11  |
| T 12 | 9 24 56  | 22°28'26          | 0 <b>)(</b> 40  | 2°20           | 19°20  | 2°39           | 1°56           | 10°12         | 23°38 | 5°16          | 3°39           | 0°15            | 28°49           | 21°25           | 27°17           | T 12 |
| W13  | 9 28 52  | 23°29'07          | 15°50           | 3°48           | 18°44  | 2°32           | 1°59           | 10° 7         | 23°41 | 5°14          | 3°39           | 0° 6            | 28°46           | 21°31           | 27°20           | W13  |
| T 14 | 9 32 49  | 24°29'46          | 0 <b>Υ</b> 56   | 5°17           | 18° 8  | 2°25           | 2° 2           | 10° 2         | 23°45 | 5°13          | 3°38           | 29 <b>×</b> 758 | 28°43           | 21°38           | 27°23           | T 14 |
| F 15 | 9 36 45  | 25°30'23          | 15°47           | 6°47           | 17°33  | 2°17           | 2° 6           | 9°58          | 23°48 | 5°11          | 3°37           | 29°51           | 28°40           | 21°45           | 27°27           | F 15 |
| S 16 | 9 40 42  | 26°30'59          | 0 <b>8</b> 17   | 8°18           | 17° 0  | 2° 8           | 2°10           | 9°53          | 23°52 | 5°10          | 3°37           | 29°46           | 28°36           | 21°51           | 27°30           | S 16 |
| S 17 | 9 44 38  | 27°31'33          | 14°23           | 9°50           | 16°28  | 1°58           | 2°14           | 9°48          | 23°55 | 5° 8          | 3°36           | 29°43           | 28°33           | 21°58           | 27°33           | S 17 |
| M18  | 9 48 35  | 28°32'05          | 28° 3           | 11°22          | 15°58  | 1°48           | 2°19           | 9°44          | 23°59 | 5° 6          | 3°35           | 29°D42          | 28°30           | 22° 5           | 27°36           | M18  |
| T 19 | 9 52 31  | 29°32'35          | 11 <b>II</b> 19 | 12°56          | 15°29  | 1°36           | 2°23           | 9°39          | 24° 2 | 5° 5          | 3°35           | 29°42           | 28°27           | 22°12           | 27°39           | T 19 |
| W20  | 9 56 28  | 0 <b>)</b> €33'04 | 24°15           | 14°31          | 15° 3  | 1°24           | 2°28           | 9°35          | 24° 6 | 5° 3          | 3°34           | 29°R43          | 28°24           | 22°18           | 27°43           | W20  |
| T 21 | 10 0 25  | 1°33'30           | 6954            | 16° 6          | 14°38  | 1°11           | 2°33           | 9°31          | 24° 9 | 5° 2          | 3°33           | 29°43           | 28°21           | 22°25           | 27°46           | T 21 |
| F 22 | 10 421   | 2°33'55           | 19°20           | 17°43          | 14°16  | 0°58           | 2°38           | 9°26          | 24°13 | 5° 1          | 3°33           | 29°41           | 28°17           | 22°32           | 27°49           | F 22 |
| S 23 | 10 8 18  | 3°34'18           | 1 <b>Ω</b> 35   | 19°20          | 13°56  | 0°44           | 2°43           | 9°22          | 24°16 | 4°59          | 3°32           | 29°36           | 28°14           | 22°39           | 27°52           | S 23 |
| S 24 | 10 12 14 | 4°34'39           | 13°43           | 20°59          | 13°38  | 0°29           | 2°48           | 9°18          | 24°19 | 4°58          | 3°32           | 29°29           | 28°11           | 22°45           | 27°56           | S 24 |
| M25  | 10 16 11 | 5°34'58           | 25°44           | 22°38          | 13°23  | 0°13           | 2°54           | 9°14          | 24°23 | 4°56          | 3°31           | 29°19           | 28° 8           | 22°52           | 27°59           | M25  |
| T 26 | 10 20 7  | 6°35'16           | 7 <b>m</b> 42   | 24°19          | 13°11  | 29 <b>m</b> 57 | 3° 0           | 9°10          | 24°26 | 4°55          | 3°31           | 29° 7           | 28° 5           | 22°59           | 28° 2           | T 26 |
| W27  | 10 24 4  | 7°35'32           | 19°36           | 26° 0          | 13° 0  | 29°39          | 3° 5           | 9° 6          | 24°30 | 4°53          | 3°30           | 28°53           | 28° 1           | 23° 5           | 28° 6           | W27  |
| T 28 | 10 28 0  | 8 <b>):</b> 35'46 | 1 <b>≏</b> 28   | 27≈42          | 12≈53  | 29 <b>m</b> 22 | 3耳11           | 9Ω 2          | 24≈33 | $4\Omega$ 52  | 3 <b>9</b> 30  | 28 <b>х</b> 40  | 27 <b>∡</b> 758 | 23 <b>m</b> 12  | 28 <b>米</b> 9   | T 28 |

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| Day  | Sid.t    | 0                | D              | ğ              | φ      | ð               | 4              | ħ             | )Å(   | 卉             | Р             | ß              | v                           | Ç              | , k            | Day          |
|------|----------|------------------|----------------|----------------|--------|-----------------|----------------|---------------|-------|---------------|---------------|----------------|-----------------------------|----------------|----------------|--------------|
| F 1  | 10 31 57 | 9 <b>米</b> 35'58 | 13 <b>≏</b> 21 | 29≈26          | 12°R47 | 29°R 4          | 3 <b>II</b> 18 | 8°R58         | 24≈36 | 4°R51         | 3°R30         | 28°R28         | 27 <b>×</b> 755             | 23 m/19        | 28 <b>)</b> 13 | F 1          |
| S 2  | 10 35 53 | 10°36'09         | 25°15          | 1 <b>)</b> 10  | 12≈44  | 28 <b>m</b> 45  | 3°24           | $8\Omega$ 54  | 24°40 | 4Ω49          | 3 <b>9</b> 29 | 28 <b>∡</b> 17 | 27°52                       | 23°26          | 28°16          | S 2          |
| S 3  | 10 39 50 | 11°36'18         | 7 <b>M</b> ₊14 | 2°56           | 12°D44 | 28°25           | 3°31           | 8°50          | 24°43 | 4°48          | 3°29          | 28°10          | 27°49                       | 23°32          | 28°20          | S 3          |
| M 4  | 10 43 47 | 12°36'26         | 19°21          | 4°42           | 12°46  | 28° 5           | 3°37           | 8°46          | 24°47 | 4°47          | 3°28          | 28° 5          | 27°46                       | 23°39          | 28°23          | M 4          |
| T 5  | 10 47 43 | 13°36'32         | 1 <b>√</b> 40  | 6°30           | 12°51  | 27°45           | 3°44           | 8°43          | 24°50 | 4°46          | 3°28          | 28° 3          | 27°42                       | 23°46          | 28°26          | T 5          |
| W 6  | 10 51 40 | 14°36'36         | 14°15          | 8°19           | 12°57  | 27°24           | 3°51           | 8°39          | 24°53 | 4°44          | 3°28          | 28°D 2         | 27°39                       | 23°52          | 28°30          | W 6          |
| T 7  | 10 55 36 | 15°36'39         | 27°12          | 10° 9          | 13° 6  | 27° 2           | 3°58           | 8°36          | 24°56 | 4°43          | 3°28          | 28°R 2         | 27°36                       | 23°59          | 28°33          | T 7          |
| F 8  | 10 59 33 | 16°36'41         | 10 <b>궁</b> 35 | 12° 0          | 13°18  | 26°40           | 4° 5           | 8°33          | 25° 0 | 4°42          | 3°27          | 28° 2          | 27°33                       | 24° 6          | 28°37          | F 8          |
| S 9  | 11 3 29  | 17°36'41         | 24°27          | 13°52          | 13°31  | 26°18           | 4°13           | 8°29          | 25° 3 | 4°41          | 3°27          | 28° 0          | 27°30                       | 24°13          | 28°40          | S 9          |
| S 10 | 11 7 26  | 18°36'39         | 8≈48           | 15°45          | 13°46  | 25°56           | 4°20           | 8°26          | 25° 6 | 4°40          | 3°27          | 27°55          | 27°27                       | 24°19          | 28°44          | S 10         |
| M11  | 11 11 23 | 19°36'35         | 23°36          | 17°39          | 14° 4  | 25°33           | 4°28           | 8°23          | 25°10 | 4°39          | 3°27          | 27°47          | 27°23                       | 24°26          | 28°47          | M11          |
| T 12 | 11 15 19 | 20°36'30         | 8 <b>)</b> (45 | 19°34          | 14°23  | 25°10           | 4°36           | 8°20          | 25°13 | 4°38          | 3°27          | 27°38          | 27°20                       | 24°33          | 28°51          | T 12         |
| W13  | 11 19 16 | 21°36'22         | 24° 5          | 21°30          | 14°45  | 24°46           | 4°44           | 8°17          | 25°16 | 4°37          | 3°26          | 27°26          | 27°17                       | 24°40          | 28°55          | W13          |
| T 14 | 11 23 12 | 22°36'13         | 9 <b>Ƴ</b> 25  | 23°27          | 15° 8  | 24°23           | 4°52           | 8°14          | 25°19 | 4°35          | 3°26          | 27°15          | 27°14                       | 24°46          | 28°58          | T 14         |
| F 15 | 11 27 9  | 23°36'02         | 24°32          | 25°25          | 15°32  | 23°59           | 5° 1           | 8°12          | 25°22 | 4°34          | 3°26          | 27° 5          | 27°11                       | 24°53          | 29° 2          | F 15         |
| S 16 | 11 31 5  | 24°35'48         | 9 <b>8</b> 18  | 27°24          | 15°59  | 23°36           | 5° 9           | 8° 9          | 25°25 | 4°34          | 3°26          | 26°57          | 27° 7                       | 25° 0          | 29° 5          | S 16         |
| S 17 | 11 35 2  | 25°35'33         | 23°38          | 29°23          | 16°27  | 23°12           | 5°18           | 8° 7          | 25°29 | 4°33          | 3°26          | 26°52          | 27° 4                       | 25° 6          | 29° 9          | S 17         |
| M18  | 11 38 58 | 26°35'15         | 7 <b>Ⅲ</b> 27  | 1 <b>Y</b> 23  | 16°57  | 22°49           | 5°26           | 8° 4          | 25°32 | 4°32          | 3°D26         | 26°50          | 27° 1                       | 25°13          | 29°12          | M18          |
| T 19 | 11 42 55 | 27°34'55         | 20°49          | 3°23           | 17°28  | 22°25           | 5°35           | 8° 2          | 25°35 | 4°31          | 3°26          | 26°49          | 26°58                       | 25°20          | 29°16          | T 19         |
| W20  | 11 46 51 | 28°34'32         | 3 <b>9</b> 345 | 5°23           | 18° 0  | 22° 2           | 5°44           | 8° 0          | 25°38 | 4°30          | 3°26          | 26°49          | 26°55                       | 25°27          | 29°19          | W20          |
| T 21 | 11 50 48 | 29°34'08         | 16°21          | 7°23           | 18°34  | 21°39           | 5°53           | 7°57          | 25°41 | 4°29          | 3°26          | 26°48          | 26°52                       | 25°33          | 29°23          | T 21         |
| F 22 | 11 54 45 | 0 <b>Υ</b> 33'40 | 28°40          | 9°23           | 19° 9  | 21°16           | 6° 2           | 7°55          | 25°44 | 4°28          | 3°26          | 26°46          | 26°48                       | 25°40          | 29°27          | F 22         |
| S 23 | 11 58 41 | 1°33'11          | 10 <b>Ω</b> 48 | 11°22          | 19°46  | 20°53           | 6°12           | 7°53          | 25°47 | 4°28          | 3°26          | 26°41          | 26°45                       | 25°47          | 29°30          | S 23         |
| S 24 | 12 238   | 2°32'40          | 22°48          | 13°20          | 20°24  | 20°30           | 6°21           | 7°52          | 25°50 | 4°27          | 3°26          | 26°33          | 26°42                       | 25°54          | 29°34          | S 24         |
| M25  | 12 6 34  | 3°32'06          | 4 <b>m</b> 42  | 15°16          | 21° 3  | 20° 8           | 6°30           | 7°50          | 25°53 | 4°26          | 3°27          | 26°22          | 26°39                       | 26° 0          | 29°37          | M25          |
| T 26 | 12 10 31 | 4°31'30          | 16°35          | 17°11          | 21°43  | 19°47           | 6°40           | 7°48          | 25°56 | 4°25          | 3°27          | 26° 9          | 26°36                       | 26° 7          | 29°41          | T 26         |
| W27  | 12 14 27 | 5°30'52          | 28°28          | 19° 4          | 22°24  | 19°25           | 6°50           | 7°47          | 25°59 | 4°25          | 3°27          | 25°55          | 26°32                       | 26°14          | 29°44          | W27          |
| T 28 | 12 18 24 | 6°30'11          | 10₽21          | 20°54          | 23° 6  | 19° 5           | 7° 0           | 7°45          | 26° 1 | 4°24          | 3°27          | 25°41          | 26°29                       | 26°20          | 29°48          | T 28         |
| F 29 | 12 22 20 | 7°29'29          | 22°17          | 22°41<br>24°25 | 23°50  | 18°44           | 7°10           | 7°44          | 26° 4 | 4°24          | 3°27          | 25°28          | 26°26                       | 26°27          | 29°51<br>29°55 | F 29<br>S 30 |
| S 30 | 12 26 17 | 8°28'45          | 4 <b>M</b> .16 | _              | 24°34  | 18°24           | 7°20           | 7°43          | 26° 7 | 4°23          | 3°28          | 25°17          | 26°23                       | 26°34          |                |              |
| S 31 | 12 30 14 | 9 <b>℃</b> 27'59 | 16ML21         | 26 <b>℃</b> 5  | 25≈19  | 18 <b>m</b> ) 5 | 7 <b>I</b> I30 | 7 <b>Ω</b> 42 | 26≈10 | 4 <b>N</b> 22 | 3928          | 25 <b>₹</b> 8  | 26 <b>×</b> <sup>7</sup> 20 | 26 <b>m</b> 41 | 29 <b>米</b> 58 | S 31         |

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| Day          | Sid.t               | $\odot$              | <b>)</b>               | φ              | Q              | o <sup>7</sup>  | 4              | ħ             | )∤(            | ¥             | 2            | ß               | Ω               | ţ              | Š             | Day          |
|--------------|---------------------|----------------------|------------------------|----------------|----------------|-----------------|----------------|---------------|----------------|---------------|--------------|-----------------|-----------------|----------------|---------------|--------------|
| M 1          | 12 34 10            | 10 <b>Y</b> 27'11    | 28 <b>M</b> 34         | 27 <b>Y</b> 41 | 26≈ 5          | 17°R46          | 7 <b>Ⅱ</b> 40  | 7°R41         | 26≈12          | 4°R22         | 39528        | 25°R 3          | 26 <b>∡</b> 17  | 26Mp47         | 0 <b>Υ</b> 2  | M 1          |
| T 2          | 12 38 7             | 11°26'21             | 10 <b>∡</b> 58         | 29°12          | 26°52          | 17 <b>m</b> )28 | 7°51           | $7\Omega 40$  | 26°15          | 4 <b>Ω</b> 21 | 3°29         | 25 <b>₹</b> 0   | 26°13           | 26°54          | 0° 5          | T 2          |
| W 3          | 12 42 3             | 12°25'30             | 23°35                  | 0 <b>8</b> 38  | 27°40          | 17°10           | 8° 1           | 7°39          | 26°18          | 4°21          | 3°29         | 24°D59          | 26°10           | 27° 1          | 0° 9          | W 3          |
| T 4          | 12 46 0             | 13°24'37             | 6 <b>ට</b> 31          | 1°59           | 28°29          | 16°53           | 8°12           | 7°39          | 26°20          | 4°21          | 3°29         | 24°59           | 26° 7           | 27° 7          | 0°12          | T 4          |
| F 5          | 12 49 56            | 14°23'42             | 19°48                  | 3°15           | 29°18          | 16°37           | 8°23           | 7°38          | 26°23          | 4°20          | 3°30         | 24°R59          | 26° 4           | 27°14          | 0°16          | F 5          |
| S 6          | 12 53 53            | 15°22'45             | 3≈30                   | 4°25           | 0 <b>米</b> 8   | 16°22           | 8°33           | 7°38          | 26°26          | 4°20          | 3°30         | 24°58           | 26° 1           | 27°21          | 0°19          | S 6          |
| S 7          | 12 57 49            | 16°21'46             | 17°39                  | 5°29           | 0°59           | 16° 7           | 8°44           | 7°37          | 26°28          | 4°20          | 3°31         | 24°54           | 25°58           | 27°28          | 0°23          | S 7          |
| M 8          | 13 1 46             | 17°20'46             | 2 <b>)</b> 14          | 6°28           | 1°50           | 15°53           | 8°55           | 7°37          | 26°31          | 4°19          | 3°31         | 24°49           | 25°54           | 27°34          | 0°26          | M 8          |
| T 9          | 13 5 43             | 18°19'44             | 17°10                  | 7°19           | 2°42           | 15°39           | 9° 6           | 7°37          | 26°33          | 4°19          | 3°32         | 24°40           | 25°51           | 27°41          | 0°30          | T 9          |
| W10          | 13 9 39             | 19°18'40             | 2 <b>Υ</b> 21          | 8° 5           | 3°35           | 15°27           | 9°17           | 7°D37         | 26°36          | 4°19          | 3°32         | 24°31           | 25°48           | 27°48          | 0°33          | W10          |
| T 11         | 13 13 36            | 20°17'34             | 17°35                  | 8°44           | 4°29           | 15°15           | 9°29           | 7°37          | 26°38          | 4°19          | 3°33         | 24°21           | 25°45           | 27°55          | 0°37          | T 11         |
| F 12         | 13 17 32            | 21°16'26             | 2843                   | 9°17           | 5°22           | 15° 4           | 9°40           | 7°37<br>7°37  | 26°40          | 4°19          | 3°33         | 24°12           | 25°42           | 28° 1<br>28° 8 | 0°40          | F 12<br>S 13 |
| S 13         | 13 21 29            | 22°15'17             | 17°34                  | 9°44           | 6°17           | 14°53           | 9°51           |               | 26°43          | 4°19          | 3°34         | 24° 6           | 25°38           | 28 8           | 0°43          |              |
| S 14         | 13 25 25            | 23°14'05             | 2 <b>I</b> 0           | 10° 3          | 7°12           | 14°44           | 10° 3          | 7°38          | 26°45          | 4°18          | 3°34         | 24° 1           | 25°35           | 28°15          | 0°47          | S 14         |
| M15          | 13 29 22            | 24°12'51             | 15°59                  | 10°17          | 8° 7           | 14°35           | 10°15          | 7°38          | 26°47          | 4°D18         | 3°35         | 23°59           | 25°32           | 28°21          | 0°50          | M15          |
| T 16         | 13 33 18            | 25°11'34             | 29°28                  | 10°24          | 9° 3           | 14°27           | 10°26          | 7°39          | 26°49          | 4°18          | 3°36         | 23°D59          | 25°29           | 28°28          | 0°53          | T 16         |
| W17          | 13 37 15            | 26°10'16             | 12931                  | 10°R25         | 10° 0          | 14°20           | 10°38          | 7°40          | 26°51          | 4°18          | 3°36         | 24° 0           | 25°26           | 28°35          | 0°57          | W17          |
| T 18         | 13 41 12            | 27° 8'55             | 25°11                  | 10°20<br>10° 9 | 10°57          | 14°14           | 10°50          | 7°41          | 26°54          | 4°19          | 3°37         | 24°R 0          | 25°23           | 28°42          | 1° 0<br>1° 3  | T 18<br>F 19 |
| F 19<br>S 20 | 13 45 8<br>13 49 5  | 28° 7'32<br>29° 6'07 | 7 <b>Ω</b> 31<br>19°38 | 9°53           | 11°54<br>12°52 | 14° 8<br>14° 3  | 11° 2<br>11°14 | 7°42<br>7°43  | 26°56<br>26°58 | 4°19<br>4°19  | 3°38<br>3°38 | 24° 0<br>23°58  | 25°19<br>25°16  | 28°48<br>28°55 | 1° 3<br>1° 6  | S 20         |
|              |                     |                      |                        |                |                |                 |                |               |                | -             |              |                 |                 |                |               |              |
| S 21         | 13 53 1             | 08 4'40              | 1 <b>M</b> 36          | 9°31           | 13°50          | 13°59           | 11°26          | 7°44          | 27° 0          | 4°19          | 3°39         | 23°53           | 25°13           | 29° 2          | 1°10          | S 21         |
| M22          | 13 56 58            | 1° 3'10              | 13°29                  | 9° 6           | 14°49          | 13°56           | 11°38          | 7°45          | 27° 2          | 4°19          | 3°40         | 23°46           | 25°10           | 29° 8          | 1°13          | M22          |
| T 23         | 14 0 54             | 2° 1'38              | 25°21                  | 8°36           | 15°48          | 13°54           | 11°50          | 7°47          | 27° 4          | 4°19          | 3°41         | 23°38           | 25° 7           | 29°15          | 1°16          | T 23         |
| W24          | 14 4 51             | 3° 0'05              | 7 <b>≙</b> 14          | 8° 3           | 16°47          | 13°52           | 12° 2          | 7°48          | 27° 5          | 4°20          | 3°41         | 23°29           | 25° 4           | 29°22          | 1°19          | W24          |
| T 25<br>F 26 | 14 8 47<br>14 12 44 | 3°58'29<br>4°56'51   | 19°10<br>1M⊾12         | 7°27<br>6°49   | 17°47<br>18°47 | 13°51<br>13°D51 | 12°14<br>12°27 | 7°50<br>7°52  | 27° 7<br>27° 9 | 4°20<br>4°20  | 3°42<br>3°43 | 23°19<br>23°10  | 25° 0<br>24°57  | 29°29<br>29°35 | 1°22<br>1°25  | T 25<br>F 26 |
| S 27         | 14 12 44            | 5°55'12              | 13°20                  | 6°10           | 18°47<br>19°47 | 13°52           | 12°27<br>12°39 | 7°52<br>7°53  | 27°11          | 4°20<br>4°21  | 3°43         | 23° 10<br>23° 3 | 24°54           | 29°33<br>29°42 | 1°28          | S 27         |
|              |                     |                      |                        |                |                |                 |                |               |                |               |              |                 |                 | -              |               |              |
| S 28         | 14 20 37            | 6°53'31              | 25°37                  | 5°30           | 20°48          | 13°53           | 12°52          | 7°55          | 27°13          | 4°21          | 3°45         | 22°57           | 24°51           | 29°49          | 1°31          | S 28         |
| M29          | 14 24 34            | 7°51'48              | 8×7 3                  | 4°50           | 21°49          | 13°55           | 13° 4          | 7°57          | 27°14          | 4°21          | 3°46         | 22°54           | 24°48           | 29°56          | 1°34          | M29          |
| T 30         | 14 28 30            | 8 <b>8</b> 50'04     | 20 <b>₹</b> 39         | 4811           | 22 <b>米</b> 51 | 13 <b>m</b> 58  | 13 <b>Ⅱ</b> 17 | 7 <b>Ω</b> 59 | 27≈16          | $4\Omega$ 22  | 39547        | 22°D53          | 24 <b>×</b> 744 | 0요 2           | 1 <b>Ƴ</b> 37 | T 30         |

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| T 2 14<br>F 3 14<br>S 4 14 | 14 32 27<br>14 36 23<br>14 40 20<br>14 44 16 | 9 <b>8</b> 48'18<br>10°46'30 | 3 <b>ට</b> 28  | 3°R33          | 23 <b>)</b> 52 |                |                |              |                |               |                |                 |                 |               |               |      |
|----------------------------|--|------------------------------|----------------|----------------|----------------|----------------|----------------|--------------|----------------|---------------|----------------|-----------------|-----------------|---------------|---------------|------|
| F 3 14<br>S 4 14           | 14 40 20                                     |                              |                |                | 23 TC 32       | 14Mp 1         | 13 <b>Ⅱ</b> 29 | $8\Omega$ 2  | 27≈17          | $4\Omega 22$  | 3 <b>95</b> 47 | 22 <b>×</b> 753 | 24 <b>×</b> 141 | 0 <b>호</b> 9  | 1 <b>Y</b> 40 | W 1  |
| S 4 1                      |  |                              | 16°32          | 2 <b>8</b> 58  | 24°54          | 14° 5          | 13°42          | 8° 4         | 27°19          | 4°23          | 3°48           | 22°54           | 24°38           | 0°16          | 1°43          | T 2  |
|                            | 14 44 16                                     | 11°44'41                     | 29°53          | 2°25           | 25°56          | 14°10          | 13°55          | 8° 6         | 27°20          | 4°23          | 3°49           | 22°56           | 24°35           | 0°22          | 1°46          | F 3  |
| 0 5 1                      |  | 12°42'51                     | 13 <b>≈</b> 33 | 1°56           | 26°59          | 14°16          | 14° 8          | 8° 9         | 27°22          | 4°24          | 3°50           | 22°R56          | 24°32           | 0°29          | 1°49          | S 4  |
| S 5 14                     | 14 48 13                                     | 13°40'59                     | 27°34          | 1°30           | 28° 2          | 14°22          | 14°20          | 8°12         | 27°23          | 4°25          | 3°51           | 22°55           | 24°29           | 0°36          | 1°52          | S 5  |
| M 6 14                     | 14 52 9                                      | 14°39'06                     | 11 <b>米</b> 54 | 1°8            | 29° 5          | 14°29          | 14°33          | 8°14         | 27°25          | 4°25          | 3°52           | 22°53           | 24°25           | 0°43          | 1°55          | M 6  |
| T 7 14                     | 14 56 6                                      | 15°37'11                     | 26°31          | 0°50           | oΥ 8           | 14°36          | 14°46          | 8°17         | 27°26          | 4°26          | 3°53           | 22°49           | 24°22           | 0°49          | 1°58          | T 7  |
| W 8 1:                     | 15 0 3                                       | 16°35'15                     | 11 <b>Y</b> 20 | 0°37           | 1°12           | 14°44          | 14°59          | 8°20         | 27°27          | 4°27          | 3°54           | 22°44           | 24°19           | 0°56          | 2° 0          | W 8  |
| T 9 1:                     | 15 3 59                                      | 17°33'17                     | 26°14          | 0°28           | 2°15           | 14°53          | 15°12          | 8°23         | 27°28          | 4°28          | 3°55           | 22°39           | 24°16           | 1° 3          | 2° 3          | T 9  |
| F 10 1:                    | 15 7 56                                      | 18°31'18                     | 118 4          | 0°D24          | 3°19           | 15° 3          | 15°25          | 8°26         | 27°30          | 4°28          | 3°57           | 22°34           | 24°13           | 1°10          | 2° 6          | F 10 |
| S 11 1:                    | 15 11 52                                     | 19°29'18                     | 25°43          | 0°24           | 4°23           | 15°13          | 15°38          | 8°29         | 27°31          | 4°29          | 3°58           | 22°31           | 24° 9           | 1°16          | 2° 8          | S 11 |
| S 12 1:                    | 15 15 49                                     | 20°27'16                     | 10耳 4          | 0°29           | 5°28           | 15°23          | 15°52          | 8°33         | 27°32          | 4°30          | 3°59           | 22°28           | 24° 6           | 1°23          | 2°11          | S 12 |
| M13 1:                     | 15 19 45                                     | 21°25'12                     | 24° 1          | 0°39           | 6°32           | 15°34          | 16° 5          | 8°36         | 27°33          | 4°31          | 4° 0           | 22°D28          | 24° 3           | 1°30          | 2°14          | M13  |
| T 14 1:                    | 15 23 42                                     | 22°23'07                     | 7 <b>95</b> 33 | 0°53           | 7°37           | 15°46          | 16°18          | 8°40         | 27°34          | 4°32          | 4° 1           | 22°29           | 24° 0           | 1°36          | 2°16          | T 14 |
| W15 1:                     | 15 27 38                                     | 23°21'00                     | 20°40          | 1°12           | 8°42           | 15°58          | 16°31          | 8°43         | 27°35          | 4°33          | 4° 2           | 22°30           | 23°57           | 1°43          | 2°19          | W15  |
| T 16 1:                    | 15 31 35                                     | 24°18'51                     | 3 <b>Ω</b> 24  | 1°35           | 9°47           | 16°11          | 16°45          | 8°47         | 27°36          | 4°34          | 4° 3           | 22°32           | 23°54           | 1°50          | 2°21          | T 16 |
| F 17 1:                    | 15 35 32                                     | 25°16'41                     | 15°49          | 2° 2           | 10°52          | 16°25          | 16°58          | 8°51         | 27°36          | 4°35          | 4° 5           | 22°33           | 23°50           | 1°57          | 2°24          | F 17 |
| S 18 1:                    | 15 39 28                                     | 26°14'29                     | 27°59          | 2°34           | 11°58          | 16°39          | 17°11          | 8°55         | 27°37          | 4°36          | 4° 6           | 22°R33          | 23°47           | 2° 3          | 2°26          | S 18 |
| S 19 1:                    | 15 43 25                                     | 27°12'15                     | 9 <b>m</b> 59  | 3°10           | 13° 3          | 16°53          | 17°25          | 8°59         | 27°38          | 4°37          | 4° 7           | 22°32           | 23°44           | 2°10          | 2°28          | S 19 |
| M20 1:                     | 15 47 21                                     | 28° 9'59                     | 21°53          | 3°49           | 14° 9          | 17° 8          | 17°38          | 9° 3         | 27°39          | 4°38          | 4° 8           | 22°31           | 23°41           | 2°17          | 2°31          | M20  |
| T 21 1:                    | 15 51 18                                     | 29° 7'42                     | 3 <b>≏</b> 45  | 4°32           | 15°15          | 17°24          | 17°52          | 9° 7         | 27°39          | 4°39          | 4° 9           | 22°28           | 23°38           | 2°23          | 2°33          | T 21 |
| W22 1:                     | 15 55 14                                     | 0耳 5'23                      | 15°40          | 5°19           | 16°21          | 17°39          | 18° 5          | 9°11         | 27°40          | 4°40          | 4°11           | 22°24           | 23°35           | 2°30          | 2°35          | W22  |
| T 23 1:                    | 15 59 11                                     | 1° 3'03                      | 27°40          | 6° 9           | 17°27          | 17°56          | 18°19          | 9°15         | 27°40          | 4°41          | 4°12           | 22°21           | 23°31           | 2°37          | 2°37          | T 23 |
| F 24 10                    | 16 3 7                                       | 2° 0'42                      | 9 <b>M</b> 49  | 7° 3           | 18°34          | 18°13          | 18°32          | 9°20         | 27°41          | 4°42          | 4°13           | 22°18           | 23°28           | 2°44          | 2°40          | F 24 |
| S 25 10                    | 16 7 4                                       | 2°58'19                      | 22° 8          | 8° 0           | 19°40          | 18°30          | 18°46          | 9°24         | 27°41          | 4°44          | 4°14           | 22°15           | 23°25           | 2°50          | 2°42          | S 25 |
| S 26 10                    | 16 11 1                                      | 3°55'55                      | 4 <b>₹</b> 39  | 9° 1           | 20°47          | 18°48          | 18°59          | 9°29         | 27°42          | 4°45          | 4°16           | 22°13           | 23°22           | 2°57          | 2°44          | S 26 |
| M27 1                      | 16 14 57                                     | 4°53'30                      | 17°22          | 10° 4          | 21°54          | 19° 6          | 19°13          | 9°33         | 27°42          | 4°46          | 4°17           | 22°D13          | 23°19           | 3° 4          | 2°46          | M27  |
| T 28 10                    | 16 18 54                                     | 5°51'03                      | 0 <b>궁</b> 18  | 11°11          | 23° 0          | 19°25          | 19°27          | 9°38         | 27°42          | 4°47          | 4°18           | 22°13           | 23°15           | 3°11          | 2°48          | T 28 |
| W29 1                      | 16 22 50                                     | 6°48'36                      | 13°27          | 12°21          | 24° 8          | 19°44          | 19°40          | 9°43         | 27°43          | 4°49          | 4°20           | 22°13           | 23°12           | 3°17          | 2°50          | W29  |
| T 30 1                     | 16 26 47                                     | 7°46'08                      | 26°50          | 13°33          | 25°15          | 20° 3          | 19°54          | 9°47         | 27°43          | 4°50          | 4°21           | 22°15           | 23° 9           | 3°24          | 2°52          | T 30 |
| F 31 10                    | 16 30 43                                     | 8耳43′38                      | 10≈26          | 14 <b>8</b> 49 | 26 <b>Y</b> 22 | 20 <b>m</b> 23 | 20Ⅱ 8          | $9\Omega$ 52 | 27 <b>≈</b> 43 | 4 <b>Ω</b> 52 | 49522          | 22 <b>×</b> 16  | 23 <b>∡</b> 6   | 3 <b>≏</b> 31 | 2 <b>Υ</b> 54 | F 31 |

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| Day  | Sid.t    | 0                | D               | ğ             | ·              | ď               | 4              | ħ              | )/(    | ¥             | Р            | ₽.             | ಬ              | Ç             | ę,            | Day  |
|------|----------|------------------|-----------------|---------------|----------------|-----------------|----------------|----------------|--------|---------------|--------------|----------------|----------------|---------------|---------------|------|
| S 1  | 16 34 40 | 9 <b>Ⅱ</b> 41′08 | 24≈15           | 16 <b>8</b> 7 | 27 <b>Y</b> 29 | 20 <b>m</b> /44 | 20 <b>Ⅲ</b> 21 | 9 <b>Ω</b> 57  | 27≈43  | 4 <b>Ω</b> 53 | 49524        | 22 <b>×</b> 17 | 23 <b>×7</b> 3 | 3 <b>≏</b> 37 | 2 <b>Y</b> 55 | S 1  |
| S 2  | 16 38 37 | 10°38'37         | 8 <b>)</b> (16  | 17°28         | 28°37          | 21° 4           | 20°35          | 10° 2          | 27°43  | 4°54          | 4°25         | 22°R17         | 23° 0          | 3°44          | 2°57          | S 2  |
| M 3  | 16 42 33 | 11°36'06         | 22°28           | 18°52         | 29°45          | 21°25           | 20°49          | 10° 8          | 27°R43 | 4°56          | 4°26         | 22°17          | 22°56          | 3°51          | 2°59          | M 3  |
| T 4  | 16 46 30 | 12°33'34         | 6 <b>Ƴ</b> 49   | 20°18         | 0 <b>8</b> 52  | 21°47           | 21° 3          | 10°13          | 27°43  | 4°57          | 4°28         | 22°16          | 22°53          | 3°58          | 3° 1          | T 4  |
| W 5  | 16 50 26 | 13°31'01         | 21°16           | 21°48         | 2° 0           | 22° 9           | 21°16          | 10°18          | 27°43  | 4°59          | 4°29         | 22°15          | 22°50          | 4° 4          | 3° 2          | W 5  |
| T 6  | 16 54 23 | 14°28'27         | 5 <b>8</b> 44   | 23°20         | 3° 8           | 22°31           | 21°30          | 10°23          | 27°43  | 5° 0          | 4°31         | 22°14          | 22°47          | 4°11          | 3° 4          | T 6  |
| F 7  | 16 58 19 | 15°25'53         | 20° 8           | 24°54         | 4°16           | 22°53           | 21°44          | 10°29          | 27°43  | 5° 2          | 4°32         | 22°14          | 22°44          | 4°18          | 3° 5          | F 7  |
| S 8  | 17 2 16  | 16°23'18         | 4 <b>Ⅱ</b> 23   | 26°32         | 5°25           | 23°16           | 21°58          | 10°34          | 27°42  | 5° 4          | 4°33         | 22°13          | 22°41          | 4°24          | 3° 7          | S 8  |
| S 9  | 17 6 12  | 17°20'43         | 18°24           | 28°12         | 6°33           | 23°40           | 22°12          | 10°40          | 27°42  | 5° 5          | 4°35         | 22°D13         | 22°37          | 4°31          | 3° 8          | S 9  |
| M10  | 17 10 9  | 18°18'06         | 295 8           | 29°54         | 7°41           | 24° 3           | 22°25          | 10°46          | 27°42  | 5° 7          | 4°36         | 22°13          | 22°34          | 4°38          | 3°10          | M10  |
| T 11 | 17 14 6  | 19°15'29         | 15°33           | 1 <b>Ⅲ</b> 39 | 8°50           | 24°27           | 22°39          | 10°51          | 27°41  | 5° 8          | 4°38         | 22°13          | 22°31          | 4°45          | 3°11          | T 11 |
| W12  | 17 18 2  | 20°12'51         | 28°37           | 3°27          | 9°58           | 24°51           | 22°53          | 10°57          | 27°41  | 5°10          | 4°39         | 22°13          | 22°28          | 4°51          | 3°12          | W12  |
| T 13 | 17 21 59 | 21°10'12         | $11\Omega_{21}$ | 5°17          | 11° 7          | 25°16           | 23° 7          | 11° 3          | 27°40  | 5°12          | 4°41         | 22°13          | 22°25          | 4°58          | 3°14          | T 13 |
| F 14 | 17 25 55 | 22° 7'32         | 23°47           | 7°10          | 12°16          | 25°41           | 23°21          | 11° 9          | 27°40  | 5°14          | 4°42         | 22°R14         | 22°21          | 5° 5          | 3°15          | F 14 |
| S 15 | 17 29 52 | 23° 4'51         | 5 <b>m</b> 59   | 9° 5          | 13°24          | 26° 6           | 23°34          | 11°15          | 27°39  | 5°15          | 4°43         | 22°14          | 22°18          | 5°12          | 3°16          | S 15 |
| S 16 | 17 33 48 | 24° 2'09         | 18° 0           | 11° 3         | 14°33          | 26°31           | 23°48          | 11°21          | 27°39  | 5°17          | 4°45         | 22°D13         | 22°15          | 5°18          | 3°17          | S 16 |
| M17  | 17 37 45 | 24°59'27         | 29°55           | 13° 3         | 15°42          | 26°57           | 24° 2          | 11°27          | 27°38  | 5°19          | 4°46         | 22°13          | 22°12          | 5°25          | 3°18          | M17  |
| T 18 | 17 41 41 | 25°56'43         | 11 <b>≏</b> 49  | 15° 5         | 16°51          | 27°23           | 24°16          | 11°33          | 27°37  | 5°21          | 4°48         | 22°14          | 22° 9          | 5°32          | 3°19          | T 18 |
| W19  | 17 45 38 | 26°53'59         | 23°45           | 17° 8         | 18° 1          | 27°50           | 24°30          | 11°39          | 27°37  | 5°22          | 4°49         | 22°14          | 22° 6          | 5°38          | 3°20          | W19  |
| T 20 | 17 49 35 | 27°51'14         | 5 <b>M</b> .48  | 19°14         | 19°10          | 28°16           | 24°44          | 11°45          | 27°36  | 5°24          | 4°51         | 22°14          | 22° 2          | 5°45          | 3°21          | T 20 |
| F 21 | 17 53 31 | 28°48'29         | 18° 1           | 21°21         | 20°19          | 28°43           | 24°57          | 11°51          | 27°35  | 5°26          | 4°52         | 22°15          | 21°59          | 5°52          | 3°22          | F 21 |
| S 22 | 17 57 28 | 29°45'43         | 0 <b>,</b> 729  | 23°30         | 21°28          | 29°10           | 25°11          | 11°58          | 27°34  | 5°28          | 4°54         | 22°16          | 21°56          | 5°59          | 3°23          | S 22 |
| S 23 | 18 1 24  | 09542'56         | 13°13           | 25°39         | 22°38          | 29°38           | 25°25          | 12° 4          | 27°33  | 5°30          | 4°55         | 22°16          | 21°53          | 6° 5          | 3°23          | S 23 |
| M24  | 18 5 21  | 1°40'09          | 26°14           | 27°50         | 23°47          | 0 <b>₽</b> 5    | 25°39          | 12°11          | 27°32  | 5°32          | 4°57         | 22°R16         | 21°50          | 6°12          | 3°24          | M24  |
| T 25 | 18 9 17  | 2°37'22          | 9 <b>云</b> 32   | 095 1         | 24°57          | 0°33            | 25°52          | 12°17          | 27°31  | 5°34          | 4°58         | 22°16          | 21°47          | 6°19          | 3°25          | T 25 |
| W26  | 18 13 14 | 3°34'34          | 23° 7           | 2°12          | 26° 7          | 1° 2            | 26° 6          | 12°24          | 27°30  | 5°36          | 5° 0         | 22°15          | 21°43          | 6°25          | 3°25          | W26  |
| T 27 | 18 17 10 | 4°31'46          | 6≈55            | 4°23          | 27°16          | 1°30            | 26°20          | 12°30          | 27°29  | 5°38          | 5° 1         | 22°14          | 21°40          | 6°32          | 3°26          | T 27 |
| F 28 | 18 21 7  | 5°28'58          | 20°55           | 6°34          | 28°26          | 1°59            | 26°34          | 12°37          | 27°28  | 5°40          | 5° 3         | 22°12          | 21°37          | 6°39          | 3°26          | F 28 |
| S 29 | 18 25 4  | 6°26'10          | 5 <b>光</b> 3    | 8°45          | 29°36          | 2°27            | 26°47          | 12°44          | 27°27  | 5°42          | 5° 4         | 22°10          | 21°34          | 6°46          | 3°27          | S 29 |
| S 30 | 18 29 0  | 79523'22         | 19 <b>米</b> 16  | 10954         | 0 <b>П</b> 46  | 2 <b>≏</b> 57   | 27 <b>I</b> 1  | 12 <b>Q</b> 50 | 27≈25  | 5 <b>Ω</b> 43 | 5 <b>9</b> 6 | 22 <b>×</b> 9  | 21 <b>~</b> 31 | 6 <b>₽</b> 52 | 3 <b>Ƴ</b> 27 | S 30 |

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| Day  | Sid.t    | 0                | D              | ğ             | ·      | ð              | 4               | ħ              | )f(    | 卉             | Р            | ß             | Ω               | Ç              | ç             | Day  |
|------|----------|------------------|----------------|---------------|--------|----------------|-----------------|----------------|--------|---------------|--------------|---------------|-----------------|----------------|---------------|------|
| M 1  | 18 32 57 | 8920'34          | <b>3</b> Υ31   | 1399 3        | 1Д56   | 3 <b>ჲ</b> 26  | 27 <b>I</b> I15 | 12 <b>Ω</b> 57 | 27°R24 | 5 <b>Ω</b> 46 | 5 <b>9</b> 7 | 22°D 9        | 21 <b>~</b> 27  | 6 <b>Ω</b> 59  | 3 <b>Υ</b> 28 | M 1  |
| T 2  | 18 36 53 | 9°17'47          | 17°45          | 15°10         | 3° 6   | 3°55           | 27°28           | 13° 4          | 27≈23  | 5°48          | 5° 9         | 22 <b>×</b> 9 | 21°24           | 7° 6           | 3°28          | T 2  |
| W 3  | 18 40 50 | 10°14'59         | 1 <b>8</b> 56  | 17°17         | 4°16   | 4°25           | 27°42           | 13°11          | 27°21  | 5°50          | 5°10         | 22°10         | 21°21           | 7°12           | 3°28          | W 3  |
| T 4  | 18 44 46 | 11°12'12         | 16° 0          | 19°21         | 5°27   | 4°55           | 27°55           | 13°18          | 27°20  | 5°52          | 5°11         | 22°11         | 21°18           | 7°19           | 3°28          | T 4  |
| F 5  | 18 48 43 | 12° 9'25         | 29°58          | 21°24         | 6°37   | 5°25           | 28° 9           | 13°25          | 27°19  | 5°54          | 5°13         | 22°12         | 21°15           | 7°26           | 3°29          | F 5  |
| S 6  | 18 52 39 | 13° 6'39         | 13 <b>Ⅱ</b> 45 | 23°26         | 7°47   | 5°56           | 28°23           | 13°32          | 27°17  | 5°56          | 5°14         | 22°13         | 21°12           | 7°33           | 3°29          | S 6  |
| S 7  | 18 56 36 | 14° 3'53         | 27°22          | 25°25         | 8°58   | 6°27           | 28°36           | 13°39          | 27°16  | 5°58          | 5°16         | 22°R13        | 21° 8           | 7°39           | 3°R29         | S 7  |
| M 8  | 19 0 33  | 15° 1'06         | 109545         | 27°23         | 10°8   | 6°57           | 28°50           | 13°46          | 27°14  | 6° 0          | 5°17         | 22°12         | 21° 5           | 7°46           | 3°29          | M 8  |
| T 9  | 19 4 29  | 15°58'20         | 23°53          | 29°19         | 11°19  | 7°29           | 29° 3           | 13°53          | 27°12  | 6° 2          | 5°19         | 22°10         | 21° 2           | 7°53           | 3°29          | T 9  |
| W10  | 19 8 26  | 16°55'34         | $6\Omega$ 46   | 1 <b>Q</b> 13 | 12°29  | 8° 0           | 29°17           | 14° 0          | 27°11  | 6° 4          | 5°20         | 22° 7         | 20°59           | 7°59           | 3°28          | W10  |
| T 11 | 19 12 22 | 17°52'49         | 19°23          | 3° 5          | 13°40  | 8°31           | 29°30           | 14° 7          | 27° 9  | 6° 6          | 5°22         | 22° 3         | 20°56           | 8° 6           | 3°28          | T 11 |
| F 12 | 19 16 19 | 18°50'03         | 1 Mp 46        | 4°55          | 14°51  | 9° 3           | 29°43           | 14°14          | 27° 7  | 6° 8          | 5°23         | 21°59         | 20°53           | 8°13           | 3°28          | F 12 |
| S 13 | 19 20 15 | 19°47'17         | 13°56          | 6°43          | 16° 2  | 9°35           | 29°57           | 14°21          | 27° 6  | 6°11          | 5°25         | 21°54         | 20°49           | 8°20           | 3°28          | S 13 |
| S 14 | 19 24 12 | 20°44'31         | 25°57          | 8°30          | 17°13  | 10° 7          | 09510           | 14°29          | 27° 4  | 6°13          | 5°26         | 21°51         | 20°46           | 8°26           | 3°27          | S 14 |
| M15  | 19 28 8  | 21°41'45         | 7 <b>≏</b> 51  | 10°14         | 18°23  | 10°39          | 0°23            | 14°36          | 27° 2  | 6°15          | 5°27         | 21°49         | 20°43           | 8°33           | 3°27          | M15  |
| T 16 | 19 32 5  | 22°39'00         | 19°44          | 11°57         | 19°34  | 11°12          | 0°37            | 14°43          | 27° 0  | 6°17          | 5°29         | 21°D48        | 20°40           | 8°40           | 3°27          | T 16 |
| W17  | 19 36 2  | 23°36'14         | 1 <b>M</b> .39 | 13°37         | 20°45  | 11°44          | 0°50            | 14°51          | 26°59  | 6°19          | 5°30         | 21°48         | 20°37           | 8°47           | 3°26          | W17  |
| T 18 | 19 39 58 | 24°33'29         | 13°42          | 15°16         | 21°57  | 12°17          | 1° 3            | 14°58          | 26°57  | 6°21          | 5°32         | 21°49         | 20°33           | 8°53           | 3°26          | T 18 |
| F 19 | 19 43 55 | 25°30'44         | 25°57          | 16°53         | 23° 8  | 12°50          | 1°16            | 15° 5          | 26°55  | 6°24          | 5°33         | 21°51         | 20°30           | 9° 0           | 3°25          | F 19 |
| S 20 | 19 47 51 | 26°27'59         | 8 <b>.</b> ₹29 | 18°27         | 24°19  | 13°23          | 1°29            | 15°13          | 26°53  | 6°26          | 5°35         | 21°53         | 20°27           | 9° 7           | 3°24          | S 20 |
| S 21 | 19 51 48 | 27°25'14         | 2 <u>1°</u> 21 | 20° 0         | 25°30  | 13°56          | 1°42            | 15°20          | 26°51  | 6°28          | 5°36         | 21°R53        | 20°24           | 9°13           | 3°24          | S 21 |
| M22  | 19 55 44 | 28°22'30         | 4 <b>궁</b> 35  | 21°31         | 26°41  | 14°30          | 1°55            | 15°28          | 26°49  | 6°30          | 5°37         | 21°53         | 20°21           | 9°20           | 3°23          | M22  |
| T 23 | 19 59 41 | 29°19'46         | 18°12          | 23° 0         | 27°53  | 15° 4          | 2° 8            | 15°35          | 26°47  | 6°32          | 5°39         | 21°50         | 20°18           | 9°27           | 3°22          | T 23 |
| W24  | 20 3 37  | $0\Omega 17'03$  | 2≈10           | 24°27         | 29° 4  | 15°37          | 2°21            | 15°43          | 26°45  | 6°35          | 5°40         | 21°46         | 20°14           | 9°34           | 3°21          | W24  |
| T 25 | 20 7 34  | 1°14'20          | 16°25          | 25°52         | 09୍ତ16 | 16°11          | 2°34            | 15°50          | 26°43  | 6°37          | 5°41         | 21°41         | 20°11           | 9°40           | 3°20          | T 25 |
| F 26 | 20 11 31 | 2°11'38          | 0 <b>∺</b> 53  | 27°15         | 1°27   | 16°45          | 2°47            | 15°58          | 26°41  | 6°39          | 5°43         | 21°35         | 20° 8           | 9°47           | 3°19          | F 26 |
| S 27 | 20 15 27 | 3° 8'57          | 15°27          | 28°36         | 2°39   | 17°20          | 3° 0            | 16° 5          | 26°39  | 6°41          | 5°44         | 21°29         | 20° 5           | 9°54           | 3°18          | S 27 |
| S 28 | 20 19 24 | 4° 6'17          | 0 <b>Υ</b> 1   | 29°55         | 3°51   | 17°54          | 3°12            | 16°13          | 26°36  | 6°44          | 5°45         | 21°24         | 20° 2           | 10° 0          | 3°17          | S 28 |
| M29  | 20 23 20 | 5° 3'38          | 14°28          | 1 Mp 12       | 5° 2   | 18°29          | 3°25            | 16°20          | 26°34  | 6°46          | 5°47         | 21°20         | 19°59           | 10° 7          | 3°16          | M29  |
| T 30 | 20 27 17 | 6° 0'59          | 28°45          | 2°27          | 6°14   | 19° 3          | 3°38            | 16°28          | 26°32  | 6°48          | 5°48         | 21°19         | 19°55           | 10°14          | 3°15          | T 30 |
| W31  | 20 31 13 | 6 <b>Ω</b> 58'22 | 12850          | 3 <b>m</b> 39 | 79526  | 19 <b>≏</b> 38 | 3950            | 16 <b>Ω</b> 36 | 26≈30  | $6\Omega$ 50  | 59549        | 21°D19        | 19 <b>×</b> 752 | 10 <b>≏</b> 21 | 3 <b>Υ</b> 14 | W31  |

Delta T = 20.62 sec

AUGUST 1918 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | Q-             | δ              | 4     | ħ              | ᡟ              | ¥             | Р    | ß               | Ω               | Ç              | <b>×</b> 0    | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|-------|----------------|----------------|---------------|------|-----------------|-----------------|----------------|---------------|------|
| T 1  | 20 35 10 | 7 <b>Ω</b> 55'47 | 26841          | 4 Mp 49        | 8938           | 20 <b>₽</b> 13 | 499 3 | 16 <b>Ω</b> 43 | 26°R28         | 6 <b>Ω</b> 52 | 5951 | 21 <b>×</b> 120 | 19 <b>×7</b> 49 | 10 <b>≏</b> 27 | 3°R13         | T 1  |
| F 2  | 20 39 6  | 8°53'12          | 10 <b>Ⅱ</b> 19 | 5°57           | 9°50           | 20°48          | 4°15  | 16°51          | 26≈25          | 6°55          | 5°52 | 21°21           | 19°46           | 10°34          | 3 <b>Υ</b> 11 | F 2  |
| S 3  | 20 43 3  | 9°50'39          | 23°44          | 7° 2           | 11° 2          | 21°24          | 4°28  | 16°59          | 26°23          | 6°57          | 5°53 | 21°R21          | 19°43           | 10°41          | 3°10          | S 3  |
| S 4  | 20 47 0  | 10°48'06         | 6956           | 8° 4           | 12°14          | 21°59          | 4°40  | 17° 6          | 26°21          | 6°59          | 5°54 | 21°20           | 19°39           | 10°47          | 3° 9          | S 4  |
| M 5  | 20 50 56 | 11°45'35         | 19°56          | 9° 4           | 13°26          | 22°35          | 4°52  | 17°14          | 26°19          | 7° 1          | 5°56 | 21°17           | 19°36           | 10°54          | 3° 7          | M 5  |
| T 6  | 20 54 53 | 12°43'05         | 2 <b>Ω</b> 45  | 10° 1          | 14°38          | 23°11          | 5° 5  | 17°22          | 26°16          | 7° 4          | 5°57 | 21°11           | 19°33           | 11° 1          | 3° 6          | T 6  |
| W 7  | 20 58 49 | 13°40'36         | 15°22          | 10°56          | 15°50          | 23°47          | 5°17  | 17°29          | 26°14          | 7° 6          | 5°58 | 21° 3           | 19°30           | 11°8           | 3° 4          | W 7  |
| T 8  | 21 246   | 14°38'08         | 27°48          | 11°47          | 17° 3          | 24°23          | 5°29  | 17°37          | 26°12          | 7° 8          | 5°59 | 20°54           | 19°27           | 11°14          | 3° 3          | T 8  |
| F 9  | 21 6 42  | 15°35'40         | 10 <b>m</b> 3  | 12°35          | 18°15          | 24°59          | 5°41  | 17°45          | 26° 9          | 7°10          | 6° 1 | 20°44           | 19°24           | 11°21          | 3° 1          | F 9  |
| S 10 | 21 10 39 | 16°33'14         | 22° 8          | 13°19          | 19°27          | 25°35          | 5°53  | 17°52          | 26° 7          | 7°12          | 6° 2 | 20°34           | 19°20           | 11°28          | 3° 0          | S 10 |
| S 11 | 21 14 35 | 17°30'49         | 4 <b>º</b> 6   | 14° 0          | 20°40          | 26°12          | 6° 5  | 18° 0          | 26° 5          | 7°15          | 6° 3 | 20°25           | 19°17           | 11°34          | 2°58          | S 11 |
| M12  | 21 18 32 | 18°28'24         | 15°58          | 14°37          | 21°52          | 26°48          | 6°17  | 18° 8          | 26° 2          | 7°17          | 6° 4 | 20°18           | 19°14           | 11°41          | 2°56          | M12  |
| T 13 | 21 22 29 | 19°26'01         | 27°48          | 15°10          | 23° 5          | 27°25          | 6°28  | 18°15          | 26° 0          | 7°19          | 6° 5 | 20°14           | 19°11           | 11°48          | 2°54          | T 13 |
| W14  | 21 26 25 | 20°23'39         | 9 <b>M</b> 41  | 15°39          | 24°17          | 28° 2          | 6°40  | 18°23          | 25°58          | 7°21          | 6° 6 | 20°11           | 19°8            | 11°55          | 2°53          | W14  |
| T 15 | 21 30 22 | 21°21'17         | 21°42          | 16° 4          | 25°30          | 28°39          | 6°52  | 18°31          | 25°55          | 7°23          | 6° 7 | 20°D10          | 19° 5           | 12° 1          | 2°51          | T 15 |
| F 16 | 21 34 18 | 22°18'57         | 3 <b>₹</b> 55  | 16°24          | 26°43          | 29°16          | 7° 3  | 18°38          | 25°53          | 7°26          | 6° 9 | 20°11           | 19° 1           | 12° 8          | 2°49          | F 16 |
| S 17 | 21 38 15 | 23°16'38         | 16°25          | 16°39          | 27°55          | 29°53          | 7°14  | 18°46          | 25°50          | 7°28          | 6°10 | 20°R11          | 18°58           | 12°15          | 2°47          | S 17 |
| S 18 | 21 42 11 | 24°14'20         | 29°18          | 16°49          | 29° 8          | 0 <b>M</b> 31  | 7°26  | 18°54          | 25°48          | 7°30          | 6°11 | 20°11           | 18°55           | 12°21          | 2°45          | S 18 |
| M19  | 21 46 8  | 25°12'03         | 12 <b>る</b> 37 | 16°R53         | $0\Omega 21$   | 1° 8           | 7°37  | 19° 1          | 25°46          | 7°32          | 6°12 | 20° 9           | 18°52           | 12°28          | 2°43          | M19  |
| T 20 | 21 50 4  | 26° 9'47         | 26°23          | 16°52          | 1°34           | 1°46           | 7°48  | 19° 9          | 25°43          | 7°34          | 6°13 | 20° 5           | 18°49           | 12°35          | 2°41          | T 20 |
| W21  | 21 54 1  | 27° 7'32         | 10≈36          | 16°46          | 2°47           | 2°24           | 7°59  | 19°17          | 25°41          | 7°36          | 6°14 | 19°58           | 18°45           | 12°41          | 2°39          | W21  |
| T 22 | 21 57 58 | 28° 5'18         | 25°11          | 16°34          | 4° 0           | 3° 2           | 8°10  | 19°24          | 25°38          | 7°38          | 6°15 | 19°49           | 18°42           | 12°48          | 2°37          | T 22 |
| F 23 | 22 1 54  | 29° 3'06         | 10 <b>)</b> 3  | 16°16          | 5°13           | 3°40           | 8°21  | 19°32          | 25°36          | 7°40          | 6°16 | 19°39           | 18°39           | 12°55          | 2°35          | F 23 |
| S 24 | 22 5 51  | 0 Mp 0′55        | 25° 3          | 15°52          | 6°26           | 4°18           | 8°32  | 19°40          | 25°34          | 7°43          | 6°17 | 19°29           | 18°36           | 13° 2          | 2°33          | S 24 |
| S 25 | 22 9 47  | 0°58'46          | 10 <b>Y</b> 0  | 15°22          | 7°39           | 4°56           | 8°43  | 19°47          | 25°31          | 7°45          | 6°18 | 19°20           | 18°33           | 13° 8          | 2°30          | S 25 |
| M26  | 22 13 44 | 1°56'39          | 24°47          | 14°47          | 8°52           | 5°34           | 8°54  | 19°55          | 25°29          | 7°47          | 6°19 | 19°14           | 18°30           | 13°15          | 2°28          | M26  |
| T 27 | 22 17 40 | 2°54'33          | 9 <b>8</b> 17  | 14° 6          | 10° 5          | 6°13           | 9° 4  | 20° 2          | 25°27          | 7°49          | 6°19 | 19° 9           | 18°26           | 13°22          | 2°26          | T 27 |
| W28  | 22 21 37 | 3°52'29          | 23°26          | 13°21          | 11°19          | 6°51           | 9°15  | 20°10          | 25°24          | 7°51          | 6°20 | 19°8            | 18°23           | 13°28          | 2°24          | W28  |
| T 29 | 22 25 33 | 4°50'28          | 7 <b>Ⅱ</b> 15  | 12°32          | 12°32          | 7°30           | 9°25  | 20°17          | 25°22          | 7°53          | 6°21 | 19°D 7          | 18°20           | 13°35          | 2°21          | T 29 |
| F 30 | 22 29 30 | 5°48'28          | 20°44          | 11°39          | 13°45          | 8° 9           | 9°35  | 20°25          | 25°19          | 7°55          | 6°22 | 19°R 7          | 18°17           | 13°42          | 2°19          | F 30 |
| S 31 | 22 33 27 | 6Mp46'30         | 3 <b>9</b> 55  | 10 <b>m</b> 44 | 14 <b>Ω</b> 59 | 8 <b>M</b> .48 | 99546 | 20€32          | 25 <b>≈</b> 17 | $7\Omega$ 57  | 6923 | 19 <b>∡</b> 7   | 18 <b>∡</b> 14  | 13 <b>≏</b> 49 | 2 <b>Υ</b> 17 | S 31 |

Delta T = 20.68 sec

SEPTEMBER 1918 00:00 UT

| Day  | Sid.t    | 0                | D             | ğ             | ·              | ð             | 4      | ħ                  | )f(    | 卉             | Р     | ₽.              | v              | ţ              | ę,            | Day  |
|------|----------|------------------|---------------|---------------|----------------|---------------|--------|--------------------|--------|---------------|-------|-----------------|----------------|----------------|---------------|------|
| S 1  | 22 37 23 | 7 <b>m</b> 44'34 | 16950         | 9°R47         | 16Ω12          | 9 <b>M</b> 27 | 9956   | 20₽40              | 25°R15 | 7 <b>Ω</b> 59 | 69524 | 19°R 4          | 18 <b>×</b> 10 | 13 <b>≏</b> 55 | 2°R14         | S 1  |
| M 2  | 22 41 20 | 8°42'40          | 29°32         | 8 <b>m</b> 50 | 17°26          | 10° 6         | 10° 6  | 20°47              | 25≈12  | 8° 1          | 6°25  | 18 <b>×</b> 759 | 18° 7          | 14° 2          | 2 <b>Υ</b> 12 | M 2  |
| T 3  | 22 45 16 | 9°40'47          | 12 <b>N</b> 3 | 7°54          | 18°39          | 10°45         | 10°16  | 20°55              | 25°10  | 8° 3          | 6°25  | 18°51           | 18° 4          | 14° 9          | 2° 9          | T 3  |
| W 4  | 22 49 13 | 10°38'56         | 24°25         | 7° 0          | 19°53          | 11°24         | 10°25  | 21° 2              | 25° 8  | 8° 5          | 6°26  | 18°40           | 18° 1          | 14°15          | 2° 7          | W 4  |
| T 5  | 22 53 9  | 11°37'08         | 6 <b>m</b> 38 | 6° 9          | 21° 7          | 12° 4         | 10°35  | 21°10              | 25° 6  | 8° 7          | 6°27  | 18°27           | 17°58          | 14°22          | 2° 4          | T 5  |
| F 6  | 22 57 6  | 12°35'20         | 18°44         | 5°23          | 22°20          | 12°44         | 10°45  | 21°17              | 25° 3  | 8° 9          | 6°28  | 18°13           | 17°55          | 14°29          | 2° 2          | F 6  |
| S 7  | 23 1 2   | 13°33'35         | 0 <b>≏</b> 42 | 4°43          | 23°34          | 13°23         | 10°54  | 21°24              | 25° 1  | 8°11          | 6°28  | 17°59           | 17°51          | 14°36          | 1°59          | S 7  |
| S 8  | 23 4 59  | 14°31'51         | 12°36         | 4° 9          | 24°48          | 14° 3         | 11° 3  | 21°32              | 24°59  | 8°12          | 6°29  | 17°46           | 17°48          | 14°42          | 1°57          | S 8  |
| M 9  | 23 8 56  | 15°30'09         | 24°26         | 3°43          | 26° 2          | 14°43         | 11°13  | 21°39              | 24°57  | 8°14          | 6°30  | 17°36           | 17°45          | 14°49          | 1°54          | M 9  |
| T 10 | 23 12 52 | 16°28'28         | 6 <b>M</b> 15 | 3°25          | 27°16          | 15°23         | 11°22  | 21°46              | 24°55  | 8°16          | 6°30  | 17°28           | 17°42          | 14°56          | 1°52          | T 10 |
| W11  | 23 16 49 | 17°26'49         | 18° 6         | 3°16          | 28°29          | 16° 3         | 11°31  | 21°53              | 24°52  | 8°18          | 6°31  | 17°24           | 17°39          | 15° 2          | 1°49          | W11  |
| T 12 | 23 20 45 | 18°25'12         | 0 <b>才</b> 5  | 3°D16         | 29°43          | 16°43         | 11°40  | 22° 1              | 24°50  | 8°20          | 6°31  | 17°21           | 17°36          | 15° 9          | 1°46          | T 12 |
| F 13 | 23 24 42 | 19°23'37         | 12°15         | 3°25          | 0 <b>m</b> ,57 | 17°24         | 11°48  | 22° 8              | 24°48  | 8°22          | 6°32  | 17°21           | 17°32          | 15°16          | 1°44          | F 13 |
| S 14 | 23 28 38 | 20°22'03         | 24°42         | 3°43          | 2°11           | 18° 4         | 11°57  | 22°15              | 24°46  | 8°23          | 6°33  | 17°21           | 17°29          | 15°22          | 1°41          | S 14 |
| S 15 | 23 32 35 | 21°20'30         | 7 <b>云</b> 30 | 4°10          | 3°25           | 18°45         | 12° 5  | 22°22              | 24°44  | 8°25          | 6°33  | 17°20           | 17°26          | 15°29          | 1°38          | S 15 |
| M16  | 23 36 31 | 22°18'59         | 20°45         | 4°47          | 4°40           | 19°25         | 12°14  | 22°29              | 24°42  | 8°27          | 6°34  | 17°18           | 17°23          | 15°36          | 1°36          | M16  |
| T 17 | 23 40 28 | 23°17'30         | 4≈30          | 5°32          | 5°54           | 20° 6         | 12°22  | 22°36              | 24°40  | 8°28          | 6°34  | 17°13           | 17°20          | 15°43          | 1°33          | T 17 |
| W18  | 23 44 25 | 24°16'03         | 18°44         | 6°25          | 7° 8           | 20°47         | 12°30  | 22°43              | 24°38  | 8°30          | 6°35  | 17° 6           | 17°16          | 15°49          | 1°30          | W18  |
| T 19 | 23 48 21 | 25°14'37         | 3 <b>∺</b> 26 | 7°25          | 8°22           | 21°28         | 12°38  | 22°50              | 24°36  | 8°32          | 6°35  | 16°57           | 17°13          | 15°56          | 1°28          | T 19 |
| F 20 | 23 52 18 | 26°13'13         | 18°30         | 8°33          | 9°36           | 22° 9         | 12°46  | 22°57              | 24°34  | 8°33          | 6°35  | 16°46           | 17°10          | 16° 3          | 1°25          | F 20 |
| S 21 | 23 56 14 | 27°11'50         | 3 <b>Ƴ</b> 45 | 9°47          | 10°51          | 22°50         | 12°53  | 23° 4              | 24°32  | 8°35          | 6°36  | 16°35           | 17° 7          | 16° 9          | 1°22          | S 21 |
| S 22 | 0 0 11   | 28°10'30         | 19° 0         | 11° 6         | 12° 5          | 23°31         | 13° 1  | 23°10              | 24°30  | 8°37          | 6°36  | 16°25           | 17° 4          | 16°16          | 1°20          | S 22 |
| M23  | 0 4 7    | 29° 9'12         | 4 <b>8</b> 6  | 12°31         | 13°19          | 24°13         | 13° 8  | 23°17              | 24°28  | 8°38          | 6°37  | 16°18           | 17° 1          | 16°23          | 1°17          | M23  |
| T 24 | 0 8 4    | 0 <b>♀</b> 7'56  | 18°52         | 14° 1         | 14°34          | 24°54         | 13°16  | 23°24              | 24°27  | 8°40          | 6°37  | 16°13           | 16°57          | 16°30          | 1°14          | T 24 |
| W25  | 0 12 0   | 1° 6'42          | 3 <b>Ⅱ</b> 15 | 15°34         | 15°48          | 25°36         | 13°23  | 23°30              | 24°25  | 8°41          | 6°37  | 16°11           | 16°54          | 16°36          | 1°11          | W25  |
| T 26 | 0 15 57  | 2° 5'31          | 17°11         | 17°11         | 17° 2          | 26°17         | 13°30  | 23°37              | 24°23  | 8°43          | 6°37  | 16°D10          | 16°51          | 16°43          | 1° 9          | T 26 |
| F 27 | 0 19 53  | 3° 4'22          | 09542         | 18°50         | 18°17          | 26°59         | 13°37  | 23°44              | 24°21  | 8°44          | 6°38  | 16°R10          | 16°48          | 16°50          | 1° 6          | F 27 |
| S 28 | 0 23 50  | 4° 3'15          | 13°49         | 20°32         | 19°32          | 27°41         | 13°43  | 23°50              | 24°20  | 8°46          | 6°38  | 16°10           | 16°45          | 16°56          | 1° 3          | S 28 |
| S 29 | 0 27 47  | 5° 2'11          | 26°38         | 22°15         | 20°46          | 28°22         | 13°50  | 23°57              | 24°18  | 8°47          | 6°38  | 16° 8           | 16°42          | 17° 3          | 1° 1          | S 29 |
| M30  | 0 31 43  | 6 <b>₾</b> 1'08  | 9 <b>Ω</b> 10 | 24 M 0        | 22 Mp 1        | 29M 4         | 139556 | 24 <b>\Omega</b> 3 | 24≈16  | 8 <b>Ω</b> 49 | 6938  | 16 <b>×</b> 3   | 16 <b>₹</b> 38 | 17 <b>≏</b> 10 | 0 <b>Υ</b> 58 | M30  |

Delta T = 20.74 sec

OCTOBER 1918 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ              | φ              | ♂               | 4               | ħ              | ) <del>/</del> ( | ¥             | Р             | Ç               | Ω              | Ç              | Š.             | Day  |
|------|---------|------------------|----------------|----------------|----------------|-----------------|-----------------|----------------|------------------|---------------|---------------|-----------------|----------------|----------------|----------------|------|
| T 1  | 0 35 40 | 7 <b>요</b> 0'08  | 21 <b>Ω</b> 29 | 25 Mp 46       | 23 Mp 15       | 29 <b>M</b> .46 | 1495 2          | 24⋒ 9          | 24°R15           | 8 <b>Q</b> 50 | 6939          | 15°R56          | 16 <b>₹</b> 35 | 17 <b>Ω</b> 16 | 0°R55          | T 1  |
| W 2  | 0 39 36 | 7°59'10          | 3 <b>m</b> 39  | 27°33          | 24°30          | 0 <b>∡</b> 129  | 14° 8           | 24°16          | 24≈13            | 8°51          | 6°39          | 15 <b>×7</b> 47 | 16°32          | 17°23          | 0 <b>Υ</b> 52  | W 2  |
| T 3  | 0 43 33 | 8°58'15          | 15°42          | 29°20          | 25°45          | 1°11            | 14°14           | 24°22          | 24°12            | 8°53          | 6°39          | 15°35           | 16°29          | 17°30          | 0°50           | T 3  |
| F 4  | 0 47 29 | 9°57'21          | 27°39          | 1 <b>♀</b> 7   | 26°59          | 1°53            | 14°20           | 24°28          | 24°10            | 8°54          | 6°39          | 15°22           | 16°26          | 17°37          | 0°47           | F 4  |
| S 5  | 0 51 26 | 10°56'30         | 9 <b>॒</b> 33  | 2°55           | 28°14          | 2°36            | 14°26           | 24°34          | 24° 9            | 8°55          | 6°39          | 15°10           | 16°22          | 17°43          | 0°44           | S 5  |
| S 6  | 0 55 22 | 11°55'40         | 21°24          | 4°42           | 29°29          | 3°18            | 14°31           | 24°40          | 24° 8            | 8°56          | 6°39          | 14°58           | 16°19          | 17°50          | 0°42           | S 6  |
| M 7  | 0 59 19 | 12°54'53         | 3 <b>M</b> .13 | 6°29           | 0 <b>ჲ</b> 44  | 4° 1            | 14°36           | 24°46          | 24° 6            | 8°57          | 6°39          | 14°49           | 16°16          | 17°57          | 0°39           | M 7  |
| T 8  | 1 3 16  | 13°54'07         | 15° 4          | 8°16           | 1°58           | 4°43            | 14°41           | 24°52          | 24° 5            | 8°59          | 6°R39         | 14°42           | 16°13          | 18° 3          | 0°36           | T 8  |
| W 9  | 1 7 12  | 14°53'24         | 26°58          | 10° 2          | 3°13           | 5°26            | 14°46           | 24°58          | 24° 4            | 9° 0          | 6°39          | 14°38           | 16°10          | 18°10          | 0°34           | W 9  |
| T 10 | 111 9   | 15°52'42         | 8 <b>才</b> 59  | 11°48          | 4°28           | 6° 9            | 14°51           | 25° 4          | 24° 3            | 9° 1          | 6°39          | 14°D36          | 16° 7          | 18°17          | 0°31           | T 10 |
| F 11 | 1 15 5  | 16°52'03         | 2 <u>1</u> °10 | 13°33          | 5°43           | 6°52            | 14°56           | 25°10          | 24° 1            | 9° 2          | 6°39          | 14°36           | 16° 3          | 18°23          | 0°29           | F 11 |
| S 12 | 1 19 2  | 17°51'25         | 3 <b>る</b> 36  | 15°18          | 6°58           | 7°35            | 15° 0           | 25°15          | 24° 0            | 9° 3          | 6°39          | 14°37           | 16° 0          | 18°30          | 0°26           | S 12 |
| S 13 | 1 22 58 | 18°50'49         | 16°21          | 17° 2          | 8°13           | 8°18            | 15° 4           | 25°21          | 23°59            | 9° 4          | 6°39          | 14°R38          | 15°57          | 18°37          | 0°24           | S 13 |
| M14  | 1 26 55 | 19°50'14         | 29°30          | 18°45          | 9°28           | 9° 1            | 15° 8           | 25°26          | 23°58            | 9° 5          | 6°39          | 14°37           | 15°54          | 18°44          | 0°21           | M14  |
| T 15 | 1 30 51 | 20°49'42         | 13 <b>≈</b> 6  | 20°28          | 10°43          | 9°45            | 15°12           | 25°32          | 23°57            | 9° 6          | 6°38          | 14°35           | 15°51          | 18°50          | 0°18           | T 15 |
| W16  | 1 34 48 | 21°49'11         | 27°11          | 22° 9          | 11°58          | 10°28           | 15°16           | 25°37          | 23°56            | 9° 7          | 6°38          | 14°31           | 15°47          | 18°57          | 0°16           | W16  |
| T 17 | 1 38 45 | 22°48'41         | 11 <b>米</b> 45 | 23°51          | 13°13          | 11°11           | 15°19           | 25°43          | 23°55            | 9° 8          | 6°38          | 14°24           | 15°44          | 19° 4          | 0°14           | T 17 |
| F 18 | 1 42 41 | 23°48'14         | 26°42          | 25°31          | 14°28          | 11°55           | 15°23           | 25°48          | 23°54            | 9° 9          | 6°38          | 14°17           | 15°41          | 19°10          | 0°11           | F 18 |
| S 19 | 1 46 38 | 24°47'48         | 11 <b>Y</b> 55 | 27°11          | 15°43          | 12°38           | 15°26           | 25°53          | 23°54            | 9°10          | 6°38          | 14° 9           | 15°38          | 19°17          | 0° 9           | S 19 |
| S 20 | 1 50 34 | 25°47'25         | 27°14          | 28°51          | 16°58          | 13°22           | 15°29           | 25°58          | 23°53            | 9°10          | 6°37          | 14° 2           | 15°35          | 19°24          | 0° 6           | S 20 |
| M21  | 1 54 31 | 26°47'03         | 12828          | 0 <b>M</b> .30 | 18°13          | 14° 6           | 15°31           | 26° 3          | 23°52            | 9°11          | 6°37          | 13°57           | 15°32          | 19°30          | 0° 4           | M21  |
| T 22 | 1 58 27 | 27°46'44         | 27°26          | 2° 8           | 19°28          | 14°50           | 15°34           | 26° 8          | 23°52            | 9°12          | 6°37          | 13°54           | 15°28          | 19°37          | 0° 2           | T 22 |
| W23  | 2 2 24  | 28°46'26         | 12 <b>I</b> 1  | 3°45           | 20°43          | 15°34           | 15°36           | 26°13          | 23°51            | 9°13          | 6°36          | 13°D53          | 15°25          | 19°44          | 29 <b>米</b> 59 | W23  |
| T 24 | 2 6 20  | 29°46'11         | 26°10          | 5°22           | 21°58          | 16°17           | 15°39           | 26°18          | 23°50            | 9°13          | 6°36          | 13°53           | 15°22          | 19°51          | 29°57          | T 24 |
| F 25 | 2 10 17 | 0 <b>M</b> 45'59 | 9 <b>95</b> 50 | 6°59           | 23°14          | 17° 1           | 15°41           | 26°22          | 23°50            | 9°14          | 6°36          | 13°54           | 15°19          | 19°57          | 29°55          | F 25 |
| S 26 | 2 14 14 | 1°45'48          | 23° 3          | 8°34           | 24°29          | 17°46           | 15°42           | 26°27          | 23°49            | 9°15          | 6°35          | 13°56           | 15°16          | 20° 4          | 29°53          | S 26 |
| S 27 | 2 18 10 | 2°45'40          | 5 <b>Ω</b> 53  | 10°10          | 25°44          | 18°30           | 15°44           | 26°32          | 23°49            | 9°15          | 6°35          | 13°R56          | 15°13          | 20°11          | 29°50          | S 27 |
| M28  | 2 22 7  | 3°45'33          | 18°24          | 11°45          | 26°59          | 19°14           | 15°45           | 26°36          | 23°49            | 9°16          | 6°34          | 13°55           | 15° 9          | 20°17          | 29°48          | M28  |
| T 29 | 2 26 3  | 4°45'29          | 0 <b>m</b> /40 | 13°19          | 28°14          | 19°58           | 15°47           | 26°40          | 23°48            | 9°16          | 6°34          | 13°52           | 15° 6          | 20°24          | 29°46          | T 29 |
| W30  | 2 30 0  | 5°45'27          | 12°44          | 14°53          | 29°30          | 20°43           | 15°48           | 26°45          | 23°48            | 9°17          | 6°33          | 13°47           | 15° 3          | 20°31          | 29°44          | W30  |
| T 31 | 2 33 56 | 6M45'28          | 24 <b>M</b> 41 | 16M26          | 0 <b>M</b> .45 | 21 <b>×</b> 27  | 15 <b>95</b> 48 | 26 <b>Ω</b> 49 | 23≈48            | 9 <b>Ω</b> 17 | 6 <b>9</b> 33 | 13 <b>,7</b> 41 | 15 <b>才</b> 0  | 20 <b>≏</b> 37 | 29 <b>米</b> 42 | T 31 |

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| Day  | Sid.t   | 0                | D              | ğ              | φ              | ♂              | 4      | ħ              | )∤(    | #             | Р     | n              | v               | ţ              | , k            | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|--------|----------------|--------|---------------|-------|----------------|-----------------|----------------|----------------|------|
| F 1  | 2 37 53 | 7 <b>M</b> 45'30 | 6 <b>₽</b> 33  | 17 <b>M</b> 59 | 2 <b>M</b> 0   | 22 <b>×</b> 12 | 159549 | 26€53          | 23°R48 | 9 <b>Ω</b> 17 | 6°R32 | 13°R34         | 14 <b>×7</b> 57 | 20 <b>≏</b> 44 | 29°R40         | F 1  |
| S 2  | 2 41 49 | 8°45'34          | 18°23          | 19°32          | 3°15           | 22°56          | 15°49  | 26°57          | 23≈48  | 9°18          | 6932  | 13 <b>×</b> 27 | 14°53           | 20°51          | 29 <b>∺</b> 38 | S 2  |
| S 3  | 2 45 46 | 9°45'40          | 0 <b>ጤ</b> 14  | 21° 4          | 4°31           | 23°41          | 15°50  | 27° 1          | 23°47  | 9°18          | 6°31  | 13°21          | 14°50           | 20°58          | 29°36          | S 3  |
| M 4  | 2 49 42 | 10°45'49         | 12° 7          | 22°35          | 5°46           | 24°26          | 15°R50 | 27° 5          | 23°D47 | 9°18          | 6°31  | 13°16          | 14°47           | 21° 4          | 29°34          | M 4  |
| T 5  | 2 53 39 | 11°45'59         | 24° 4          | 24° 6          | 7° 1           | 25°11          | 15°49  | 27° 9          | 23°48  | 9°19          | 6°30  | 13°12          | 14°44           | 21°11          | 29°32          | T 5  |
| W 6  | 2 57 36 | 12°46'11         | 6 <b>₹</b> 6   | 25°37          | 8°17           | 25°55          | 15°49  | 27°12          | 23°48  | 9°19          | 6°29  | 13°11          | 14°41           | 21°18          | 29°31          | W 6  |
| T 7  | 3 1 32  | 13°46'24         | 1 <u>8</u> °16 | 27° 8          | 9°32           | 26°40          | 15°49  | 27°16          | 23°48  | 9°19          | 6°29  | 13°D11         | 14°38           | 21°24          | 29°29          | T 7  |
| F 8  | 3 5 29  | 14°46'39         | 0 <b>궁</b> 36  | 28°38          | 10°47          | 27°25          | 15°48  | 27°19          | 23°48  | 9°19          | 6°28  | 13°12          | 14°34           | 21°31          | 29°27          | F 8  |
| S 9  | 3 9 25  | 15°46'56         | 13° 9          | 0 <b>≯</b> 7   | 12° 3          | 28°10          | 15°47  | 27°23          | 23°48  | 9°19          | 6°27  | 13°13          | 14°31           | 21°38          | 29°25          | S 9  |
| S 10 | 3 13 22 | 16°47'14         | 25°58          | 1°36           | 13°18          | 28°56          | 15°46  | 27°26          | 23°48  | 9°20          | 6°27  | 13°15          | 14°28           | 21°44          | 29°24          | S 10 |
| M11  | 3 17 18 | 17°47'34         | 9≈ 6           | 3° 5           | 14°33          | 29°41          | 15°44  | 27°29          | 23°49  | 9°20          | 6°26  | 13°16          | 14°25           | 21°51          | 29°22          | M11  |
| T 12 | 3 21 15 | 18°47'55         | 22°36          | 4°33           | 15°49          | 0 <b>궁</b> 26  | 15°43  | 27°32          | 23°49  | 9°R20         | 6°25  | 13°R16         | 14°22           | 21°58          | 29°21          | T 12 |
| W13  | 3 25 12 | 19°48'17         | 6 <b>∺</b> 30  | 6° 1           | 17° 4          | 1°11           | 15°41  | 27°35          | 23°50  | 9°20          | 6°24  | 13°15          | 14°19           | 22° 5          | 29°19          | W13  |
| T 14 | 3 29 8  | 20°48'41         | 20°46          | 7°28           | 18°19          | 1°57           | 15°39  | 27°38          | 23°50  | 9°20          | 6°24  | 13°14          | 14°15           | 22°11          | 29°18          | T 14 |
| F 15 | 3 33 5  | 21°49'06         | 5 <b>Υ</b> 25  | 8°55           | 19°35          | 2°42           | 15°37  | 27°41          | 23°51  | 9°20          | 6°23  | 13°11          | 14°12           | 22°18          | 29°16          | F 15 |
| S 16 | 3 37 1  | 22°49'32         | 20°19          | 10°21          | 20°50          | 3°28           | 15°34  | 27°43          | 23°51  | 9°19          | 6°22  | 13° 8          | 14° 9           | 22°25          | 29°15          | S 16 |
| S 17 | 3 40 58 | 23°50'00         | 5 <b>8</b> 23  | 11°46          | 22° 5          | 4°13           | 15°32  | 27°46          | 23°52  | 9°19          | 6°21  | 13° 5          | 14° 6           | 22°31          | 29°14          | S 17 |
| M18  | 3 44 54 | 24°50'30         | 20°27          | 13°11          | 23°21          | 4°59           | 15°29  | 27°48          | 23°53  | 9°19          | 6°20  | 13° 4          | 14° 3           | 22°38          | 29°12          | M18  |
| T 19 | 3 48 51 | 25°51'01         | 5 <b>Ⅱ</b> 22  | 14°34          | 24°36          | 5°44           | 15°26  | 27°51          | 23°53  | 9°19          | 6°19  | 13° 3          | 13°59           | 22°45          | 29°11          | T 19 |
| W20  | 3 52 47 | 26°51'33         | 20° 0          | 15°57          | 25°52          | 6°30           | 15°23  | 27°53          | 23°54  | 9°19          | 6°19  | 13°D 3         | 13°56           | 22°51          | 29°10          | W20  |
| T 21 | 3 56 44 | 27°52'07         | 49915          | 17°19          | 27° 7          | 7°16           | 15°19  | 27°55          | 23°55  | 9°18          | 6°18  | 13° 3          | 13°53           | 22°58          | 29° 9          | T 21 |
| F 22 | 4 0 41  | 28°52'43         | 18° 4          | 18°40          | 28°22          | 8° 2           | 15°16  | 27°57          | 23°56  | 9°18          | 6°17  | 13° 4          | 13°50           | 23° 5          | 29° 8<br>29° 7 | F 22 |
| S 23 | 4 4 37  | 29°53'21         | 1 <b>Ω</b> 26  | 20° 0          | 29°38          | 8°47           | 15°12  | 27°59          | 23°57  | 9°18          | 6°16  | 13° 6          | 13°47           | 23°11          | 2, ,           | S 23 |
| S 24 | 4 8 34  | 0 <b>₮</b> 54'00 | 14°24          | 21°18          | 0 <b>≯</b> 53  | 9°33           | 15° 8  | 28° 1          | 23°58  | 9°17          | 6°15  | 13° 7          | 13°44           | 23°18          | 29° 6          | S 24 |
| M25  | 4 12 30 | 1°54'41          | 26°59          | 22°34          | 2° 9           | 10°19          | 15° 4  | 28° 3          | 23°59  | 9°17          | 6°14  | 13°R 7         | 13°40           | 23°25          | 29° 5          | M25  |
| T 26 | 4 16 27 | 2°55'23          | 9 <b>m</b> 16  | 23°49          | 3°24           | 11° 5          | 15° 0  | 28° 4          | 24° 0  | 9°17          | 6°13  | 13° 7          | 13°37           | 23°32          | 29° 4          | T 26 |
| W27  | 4 20 23 | 3°56'07          | 21°21          | 25° 1          | 4°40           | 11°51          | 14°55  | 28° 6          | 24° 1  | 9°16          | 6°12  | 13° 7          | 13°34           | 23°38          | 29° 3          | W27  |
| T 28 | 4 24 20 | 4°56'52          | 3 <u>₽</u> 16  | 26°11          | 5°55           | 12°37          | 14°51  | 28° 7          | 24° 2  | 9°16          | 6°11  | 13° 6          | 13°31           | 23°45          | 29° 2          | T 28 |
| F 29 | 4 28 16 | 5°57'39          | 15° 6          | 27°18          | 7°11           | 13°24          | 14°46  | 28° 8          | 24° 4  | 9°15          | 6°10  | 13° 5          | 13°28           | 23°52          | 29° 2          | F 29 |
| S 30 | 4 32 13 | 6 <b>₹</b> 58'28 | 26 <b>♀</b> 56 | 28 <b>×</b> 22 | 8 <b>₹</b> 126 | 14 <b>궁</b> 10 | 149541 | 28 <b>Ω</b> 10 | 24≈ 5  | 9 <b>Ω</b> 14 | 69 9  | 13 <b>×7</b> 4 | 13 <b>×</b> 25  | 23 <b>≏</b> 58 | 29 <b>米</b> 1  | S 30 |

Delta T = 20.86 sec

DECEMBER 1918 00:00 UT

| Day  | Sid.t   | 0                 | D              | ğ              | φ              | ♂              | 4      | ħ              | )f(   | ¥             | Р            | v             | Ω               | Ç              | ę,            | Day  |
|------|---------|-------------------|----------------|----------------|----------------|----------------|--------|----------------|-------|---------------|--------------|---------------|-----------------|----------------|---------------|------|
| S 1  | 4 36 10 | 7 <b>₹</b> 759'17 | 8 <b>M</b> .48 | 29 <b>×</b> 22 | 9 <b>∡</b> 741 | 14 <b>궁</b> 56 | 14°R36 | 28 <b>Ω</b> 11 | 24≈ 6 | 9°R14         | 6°R 8        | 13°R 3        | 13 <b>×</b> 21  | 24 <b>♀</b> 5  | 29°R 1        | S 1  |
| M 2  | 4 40 6  | 9° 0'09           | 20°46          | 0 <b>궁</b> 17  | 10°57          | 15°42          | 14931  | 28°12          | 24° 8 | 9 <b>Ω</b> 13 | 6 <b>9</b> 7 | 13 <b>×</b> 2 | 13°18           | 24°12          | 29₩ 0         | M 2  |
| T 3  | 4 44 3  | 10° 1'01          | 2 <b>₹</b> 52  | 1° 8           | 12°12          | 16°29          | 14°25  | 28°12          | 24° 9 | 9°13          | 6° 6         | 13° 2         | 13°15           | 24°18          | 29° 0         | T 3  |
| W 4  | 4 47 59 | 11° 1'55          | 15° 7          | 1°54           | 13°28          | 17°15          | 14°20  | 28°13          | 24°11 | 9°12          | 6° 5         | 13°D 2        | 13°12           | 24°25          | 28°59         | W 4  |
| T 5  | 4 51 56 | 12° 2'49          | 2 <u>7</u> °33 | 2°33           | 14°43          | 18° 1          | 14°14  | 28°14          | 24°12 | 9°11          | 6° 4         | 13° 2         | 13° 9           | 24°32          | 28°59         | T 5  |
| F 6  | 4 55 52 | 13° 3'45          | 10 <b>궁</b> 11 | 3° 5           | 15°59          | 18°48          | 14° 8  | 28°14          | 24°14 | 9°10          | 6° 2         | 13°R 2        | 13° 5           | 24°38          | 28°58         | F 6  |
| S 7  | 4 59 49 | 14° 4'42          | 23° 1          | 3°29           | 17°14          | 19°34          | 14° 2  | 28°15          | 24°15 | 9°10          | 6° 1         | 13° 2         | 13° 2           | 24°45          | 28°58         | S 7  |
| S 8  | 5 3 45  | 15° 5'39          | 6≈ 6           | 3°45           | 18°30          | 20°21          | 13°56  | 28°15          | 24°17 | 9° 9          | 6° 0         | 13° 2         | 12°59           | 24°52          | 28°58         | S 8  |
| M 9  | 5 7 42  | 16° 6'37          | 19°24          | 3°R51          | 19°45          | 21° 8          | 13°49  | 28°15          | 24°19 | 9° 8          | 5°59         | 13° 2         | 12°56           | 24°58          | 28°58         | M 9  |
| T 10 | 5 11 39 | 17° 7'36          | 2 <b>∺</b> 58  | 3°46           | 21° 1          | 21°54          | 13°43  | 28°R15         | 24°21 | 9° 7          | 5°58         | 13° 1         | 12°53           | 25° 5          | 28°58         | T 10 |
| W11  | 5 15 35 | 18° 8'35          | 16°47          | 3°31           | 22°16          | 22°41          | 13°36  | 28°15          | 24°22 | 9° 6          | 5°57         | 13°D 1        | 12°50           | 25°12          | 28°D58        | W11  |
| T 12 | 5 19 32 | 19° 9'35          | 0 <b>Υ</b> 51  | 3° 4           | 23°32          | 23°28          | 13°29  | 28°15          | 24°24 | 9° 5          | 5°56         | 13° 1         | 12°46           | 25°19          | 28°58         | T 12 |
| F 13 | 5 23 28 | 20°10'35          | 15° 9          | 2°26           | 24°47          | 24°14          | 13°22  | 28°15          | 24°26 | 9° 4          | 5°54         | 13° 2         | 12°43           | 25°25          | 28°58         | F 13 |
| S 14 | 5 27 25 | 21°11'36          | 29°39          | 1°36           | 26° 2          | 25° 1          | 13°15  | 28°14          | 24°28 | 9° 3          | 5°53         | 13° 3         | 12°40           | 25°32          | 28°58         | S 14 |
| S 15 | 5 31 21 | 22°12'37          | 14815          | 0°36           | 27°18          | 25°48          | 13° 8  | 28°14          | 24°30 | 9° 2          | 5°52         | 13° 3         | 12°37           | 25°39          | 28°58         | S 15 |
| M16  | 5 35 18 | 23°13'39          | 28°54          | 29 <b>×</b> 28 | 28°33          | 26°35          | 13° 1  | 28°13          | 24°32 | 9° 1          | 5°51         | 13° 4         | 12°34           | 25°45          | 28°58         | M16  |
| T 17 | 5 39 14 | 24°14'42          | 13 <b>Ⅲ</b> 28 | 28°11          | 29°49          | 27°22          | 12°54  | 28°12          | 24°34 | 9° 0          | 5°50         | 13°R 4        | 12°31           | 25°52          | 28°59         | T 17 |
| W18  | 5 43 11 | 25°15'45          | 27°52          | 26°51          | 1る 4           | 28° 8          | 12°47  | 28°11          | 24°36 | 8°59          | 5°49         | 13° 4         | 12°27           | 25°59          | 28°59         | W18  |
| T 19 | 5 47 8  | 26°16'48          | 1295 1         | 25°28          | 2°20           | 28°55          | 12°39  | 28°10          | 24°39 | 8°58          | 5°47         | 13° 3         | 12°24           | 26° 5          | 28°59         | T 19 |
| F 20 | 5 51 4  | 27°17'53          | 25°49          | 24° 6          | 3°35           | 29°42          | 12°31  | 28° 9          | 24°41 | 8°57          | 5°46         | 13° 1         | 12°21           | 26°12          | 29° 0         | F 20 |
| S 21 | 5 55 1  | 28°18'58          | 9 <b>Ω</b> 14  | 22°47          | 4°51           | 0≈29           | 12°24  | 28° 8          | 24°43 | 8°56          | 5°45         | 12°59         | 12°18           | 26°19          | 29° 0         | S 21 |
| S 22 | 5 58 57 | 29°20'03          | 22°16          | 21°34          | 6° 6           | 1°16           | 12°16  | 28° 7          | 24°45 | 8°54          | 5°44         | 12°57         | 12°15           | 26°25          | 29° 1         | S 22 |
| M23  | 6 2 54  | 0중21'09           | 4 <b>m</b> 57  | 20°29          | 7°21           | 2° 3           | 12° 8  | 28° 6          | 24°48 | 8°53          | 5°43         | 12°55         | 12°11           | 26°32          | 29° 2         | M23  |
| T 24 | 6 6 50  | 1°22'16           | 17°19          | 19°34          | 8°37           | 2°50           | 12° 1  | 28° 4          | 24°50 | 8°52          | 5°41         | 12°53         | 12° 8           | 26°39          | 29° 2         | T 24 |
| W25  | 6 10 47 | 2°23'24           | 29°25          | 18°48          | 9°52           | 3°37           | 11°53  | 28° 2          | 24°52 | 8°51          | 5°40         | 12°D52        | 12° 5           | 26°45          | 29° 3         | W25  |
| T 26 | 6 14 43 | 3°24'32           | 11 <b>≏</b> 21 | 18°14          | 11° 8          | 4°24           | 11°45  | 28° 1          | 24°55 | 8°49          | 5°39         | 12°53         | 12° 2           | 26°52          | 29° 4         | T 26 |
| F 27 | 6 18 40 | 4°25'41           | 23°12          | 17°50          | 12°23          | 5°11           | 11°37  | 27°59          | 24°57 | 8°48          | 5°38         | 12°54         | 11°59           | 26°59          | 29° 5         | F 27 |
| S 28 | 6 22 37 | 5°26'50           | 5 <b>™</b> 2   | 17°36          | 13°39          | 5°59           | 11°29  | 27°57          | 25° 0 | 8°47          | 5°36         | 12°55         | 11°56           | 27° 6          | 29° 5         | S 28 |
| S 29 | 6 26 33 | 6°28'00           | 16°56          | 17°D32         | 14°54          | 6°46           | 11°21  | 27°55          | 25° 2 | 8°45          | 5°35         | 12°57         | 11°52           | 27°12          | 29° 6         | S 29 |
| M30  | 6 30 30 | 7°29'10           | 28°58          | 17°38          | 16° 9          | 7°33           | 11°12  | 27°53          | 25° 5 | 8°44          | 5°34         | 12°59         | 11°49           | 27°19          | 29° 7         | M30  |
| T 31 | 6 34 26 | 8 <b>ප</b> 30'20  | 11711          | 17 <b>₹</b> 52 | 17 <b>る</b> 25 | 8≈20           | 1199 4 | 27 <b>Ω</b> 51 | 25≈ 7 | 8 <b>Ω</b> 43 | 5933         | 12°R59        | 11 <b>∡</b> 146 | 27 <b>≏</b> 26 | 29 <b>米</b> 8 | T 31 |

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JANUARY 1919 00:00 UT

| Day         | Sid.t              | 0                           | D                       | ğ                      | φ                      | ð                         | 4             | ħ              | )∤(            | ¥              | Р                     | ß                 | v               | Ç              | Q<br>K                | Day         |
|-------------|--------------------|-----------------------------|-------------------------|------------------------|------------------------|---------------------------|---------------|----------------|----------------|----------------|-----------------------|-------------------|-----------------|----------------|-----------------------|-------------|
| W 1         | 6 38 23            | 9 <b>ට</b> 31'31            | 23 <b>×</b> 39          | 18 <b>,7</b> 14        | 18 <b>궁</b> 40         | 9≈ 7                      | 10°R56        | 27°R48         | 25≈10          | 8°R41          | 5°R32                 | 12°R59            | 11 <b>×7</b> 43 | 27 <b>≏</b> 32 | 29 <b>米</b> 10        | W 1         |
| T 2         | 6 42 19            | 10°32'42                    | 6 <b>ට</b> 23           | 18°43                  | 19°56                  | 9°55                      | 109548        | 27 <b>Ω</b> 46 | 25°13          | 8 <b>Ω</b> 40  | 5930                  | 12 <b>√</b> 57    | 11°40           | 27°39          | 29°11                 | T 2         |
| F 3         | 6 46 16            | 11°33'53                    | 19°23                   | 19°19<br>20° 0         | 21°11                  | 10°42                     | 10°40         | 27°43          | 25°15          | 8°38           | 5°29                  | 12°54             | 11°37           | 27°46          | 29°12<br>29°13        | F 3         |
| S 4         | 6 50 13            | 12°35'04                    | 2≈38                    |                        | 22°26                  | 11°29                     | 10°32         | 27°41          | 25°18          | 8°37           | 5°28                  | 12°49             | 11°33           | 27°52          |                       | S 4         |
| S 5         | 6 54 9             | 13°36'15                    | 16° 8                   | 20°46                  | 23°42                  | 12°16                     | 10°24         | 27°38          | 25°21          | 8°35           | 5°27                  | 12°44             | 11°30           | 27°59          | 29°15                 | S 5         |
| M 6         | 6 58 6             | 14°37'25                    | 29°49                   | 21°37                  | 24°57                  | 13° 4                     | 10°16         | 27°35          | 25°24          | 8°34           | 5°25                  | 12°39             | 11°27           | 28° 6          | 29°16                 | M 6         |
| T 7         | 7 2 2              | 15°38'36                    | 13 <b>)</b> (41         | 22°32                  | 26°12                  | 13°51                     | 10° 8         | 27°32          | 25°27          | 8°32           | 5°24                  | 12°34             | 11°24           | 28°12          | 29°17                 | T 7         |
| W 8         | 7 5 59             | 16°39'45                    | 27°39<br>11 <b>°</b> 44 | 23°30                  | 27°28<br>28°43         | 14°38                     | 10° 0         | 27°29          | 25°29          | 8°31<br>8°29   | 5°23                  | 12°31             | 11°21           | 28°19          | 29°19<br>29°20        | W 8<br>T 9  |
| T 9<br>F 10 | 7 9 55<br>7 13 52  | 17°40'54<br>18°42'03        | 25°51                   | 24°32<br>25°36         | 28°43<br>29°59         | 15°26<br>16°13            | 9°52<br>9°44  | 27°26<br>27°23 | 25°32<br>25°35 | 8°29<br>8°28   | 5°22<br>5°21          | 12°D30<br>12°30   | 11°17<br>11°14  | 28°26<br>28°32 | 29°22                 | F 10        |
| S 11        | 7 17 48            | 18 42 03<br>19°43'11        | 108 2                   | 26°43                  | 29°39<br>1 <b>≈</b> 14 | 10 13<br>17° 0            | 9°36          | 27°20          | 25°38          | 8°26           | 5°20                  | 12°31             | 11°11           | 28°39          | 29°24                 | S 11        |
|             |                    |                             |                         |                        |                        |                           |               |                |                |                |                       |                   |                 |                |                       |             |
| S 12        | 7 21 45            | 20°44'19                    | 24°12                   | 27°53<br>29° 4         | 2°29                   | 17°48                     | 9°28          | 27°16          | 25°41          | 8°25           | 5°18                  | 12°33             | 11° 8           | 28°46          | 29°25<br>29°27        | S 12        |
| M13<br>T 14 | 7 25 42<br>7 29 38 | 21°45'26<br>22°46'32        | 8 <b>П</b> 22<br>22°27  | 29° 4<br>0 <b>중</b> 18 | 3°44<br>5° 0           | 18°35<br>19°22            | 9°20<br>9°12  | 27°13<br>27° 9 | 25°44<br>25°47 | 8°23<br>8°21   | 5°17<br>5°16          | 12°R34<br>12°33   | 11° 5<br>11° 2  | 28°52<br>28°59 | 29°27<br>29°29        | M13<br>T 14 |
| W15         | 7 33 35            | 22 40 32<br>23°47'38        | 6926                    | 1°33                   | 6°15                   | 20°10                     | 9° 5          | 27° 6          | 25°50          | 8°20           | 5°15                  | 12°31             | 10°58           | 28 39<br>29° 6 | 29°29<br>29°31        | W15         |
| T 16        | 7 37 31            | 24°48'44                    | 20°13                   | 2°50                   | 7°30                   | 20°57                     | 8°57          | 27° 2          | 25°53          | 8°18           | 5°14                  | 12°26             | 10°55           | 29°13          | 29°32                 | T 16        |
| F 17        | 7 41 28            | 25°49'48                    | 3 <b>Ω</b> 47           | 4° 8                   | 8°46                   | 21°44                     | 8°50          | 26°58          | 25°56          | 8°16           | 5°13                  | 12°20             | 10°52           | 29°19          | 29°34                 | F 17        |
| S 18        | 7 45 24            | 26°50'53                    | 17° 3                   | 5°27                   | 10° 1                  | 22°32                     | 8°42          | 26°55          | 25°59          | 8°15           | 5°11                  | 12°12             | 10°49           | 29°26          | 29°36                 | S 18        |
| S 19        | 7 49 21            | 27°51'56                    | 0 Mp 2                  | 6°48                   | 11°16                  | 23°19                     | 8°35          | 26°51          | 26° 3          | 8°13           | 5°10                  | 12° 4             | 10°46           | 29°33          | 29°38                 | S 19        |
| M20         | 7 53 17            | 28°52'59                    | 12°42                   | 8° 9                   | 12°31                  | 24° 6                     | 8°28          | 26°47          | 26° 6          | 8°12           | 5° 9                  | 11°56             | 10°43           | 29°39          | 29°40                 | M20         |
| T 21        | 7 57 14            | 29°54'02                    | 25° 4                   | 9°32                   | 13°46                  | 24°54                     | 8°21          | 26°43          | 26° 9          | 8°10           | 5° 8                  | 11°49             | 10°39           | 29°46          | 29°42                 | T 21        |
| W22         | 8 1 11             | 0≈55'05                     | 7 <b>≏</b> 12           | 10°56                  | 15° 2                  | 25°41                     | 8°14          | 26°39          | 26°12          | 8° 8           | 5° 7                  | 11°43             | 10°36           | 29°53          | 29°45                 | W22         |
| T 23        | 8 5 7              | 1°56'06                     | 19° 9                   | 12°20                  | 16°17                  | 26°28                     | 8° 7          | 26°35          | 26°15          | 8° 6           | 5° 6                  | 11°40             | 10°33           | 29°59          | 29°47                 | T 23        |
| F 24        | 8 9 4              | 2°57'08                     | 0M 59                   | 13°46                  | 17°32                  | 27°16                     | 8° 0          | 26°30          | 26°19          | 8° 5<br>8° 3   | 5° 5<br>5° 4          | 11°D39            | 10°30           | 0M 6           | 29°49                 | F 24        |
| S 25        | 8 13 0             | 3°58'09                     | 12°49                   | 15°12                  | 18°47                  | 28° 3                     | 7°53          | 26°26          | 26°22          |                | _                     | 11°39             | 10°27           | 0°13           | 29°51                 | S 25        |
| S 26        | 8 16 57            | 4°59'09                     | 24°43                   | 16°39                  | 20° 2                  | 28°50                     | 7°47          | 26°22          | 26°25          | 8° 1           | 5° 3                  | 11°41             | 10°23           | 0°19           | 29°53                 | S 26        |
| M27         | 8 20 53            | 6° 0'09                     | 6 <b>₹</b> 46           | 18° 7                  | 21°17                  | 29°38                     | 7°41          | 26°17          | 26°28          | 8° 0           | 5° 2                  | 11°R42            | 10°20           | 0°26           | 29°56                 | M27         |
| T 28        | 8 24 50            | 7° 1'08                     | 19° 3                   | 19°36                  | 22°32                  | 0 <b>∺</b> 25             | 7°34          | 26°13          | 26°32          | 7°58           | 5° 1                  | 11°41             | 10°17           | 0°33           | 29°58<br>0 <b>℃</b> 1 | T 28        |
| W29<br>T 30 | 8 28 46<br>8 32 43 | 8° 2'07<br>9° 3'04          | 1 <b>る</b> 39<br>14°36  | 21° 6<br>22°36         | 23°47<br>25° 3         | 1°12<br>2° 0              | 7°28<br>7°22  | 26° 9<br>26° 4 | 26°35<br>26°38 | 7°56<br>7°55   | 5° 0<br>4°59          | 11°39<br>11°35    | 10°14<br>10°11  | 0°39<br>0°46   | 0° 3                  | W29<br>T 30 |
| F 31        | 8 32 43            | 9° 3'04<br>10 <b>≈</b> 4'01 | 27 <b>~</b> 54          | 22·36<br>24 <b>궁</b> 7 | 25° 3<br>26≈18         | 2 <b>\(\frac{1}{47}\)</b> | 7 <b>9</b> 17 | 25 <b>Ω</b> 59 | 26°38<br>26≈42 | $7\Omega_{53}$ | 4°59<br>4 <b>©</b> 58 | 11 <sup>-33</sup> | 10-11           | 0°46<br>0ML53  | 0Υ 6                  | F 31        |
| 1. 21       | 0 30 40            | 10~ 401                     | 21034                   | 240 /                  | 20~10                  | 4八年/                      | / الات/       | 430639         | ∠∪~~4∠         | 10633          | ٥ دوجه                | 118.79            | 10%. 9          | 011633         | 010                   | 1, 21       |

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| Day  | Sid.t    | 0                 | D               | ğ              | φ              | ď              | 4            | ħ              | )f(   | ¥            | Р     | v             | v              | Ç              | ç             | Day  |
|------|----------|-------------------|-----------------|----------------|----------------|----------------|--------------|----------------|-------|--------------|-------|---------------|----------------|----------------|---------------|------|
| S 1  | 8 40 36  | 11≈ 4'57          | 11 <b>≈</b> 33  | 25 <b>⋜</b> 38 | 27 <b>≈</b> 33 | 3 <b>∺</b> 34  | 7°R11        | 25°R55         | 26≈45 | 7°R51        | 4°R57 | 11°R18        | 10 <b>×7</b> 4 | 0 <b>M</b> .59 | 0Υ 8          | S 1  |
| S 2  | 8 44 33  | 12° 5'52          | 25°31           | 27°11          | 28°48          | 4°21           | 7 <b>9</b> 5 | 25 <b>Ω</b> 50 | 26°48 | $7\Omega$ 50 | 4956  | 11 <b>~</b> 8 | 10° 1          | 1° 6           | 0°11          | S 2  |
| M 3  | 8 48 29  | 13° 6'45          | 9 <b>){</b> 41  | 28°44          | 0 <b>)</b> 3   | 5° 9           | 7° 0         | 25°46          | 26°52 | 7°48         | 4°55  | 10°57         | 9°58           | 1°13           | 0°13          | M 3  |
| T 4  | 8 52 26  | 14° 7'38          | 24° 0           | 0≈18           | 1°18           | 5°56           | 6°55         | 25°41          | 26°55 | 7°46         | 4°54  | 10°48         | 9°55           | 1°19           | 0°16          | T 4  |
| W 5  | 8 56 22  | 15° 8'29          | 8 <b>Y</b> 21   | 1°52           | 2°33           | 6°43           | 6°50         | 25°36          | 26°59 | 7°45         | 4°53  | 10°41         | 9°52           | 1°26           | 0°19          | W 5  |
| T 6  | 9 0 19   | 16° 9'18          | 22°40           | 3°28           | 3°48           | 7°30           | 6°45         | 25°31          | 27° 2 | 7°43         | 4°52  | 10°36         | 9°48           | 1°33           | 0°21          | T 6  |
| F 7  | 9 4 15   | 17°10'06          | 6 <b>8</b> 53   | 5° 4           | 5° 2           | 8°18           | 6°41         | 25°27          | 27° 5 | 7°41         | 4°51  | 10°34         | 9°45           | 1°39           | 0°24          | F 7  |
| S 8  | 9 8 12   | 18°10'53          | 20°58           | 6°41           | 6°17           | 9° 5           | 6°36         | 25°22          | 27° 9 | 7°40         | 4°50  | 10°D33        | 9°42           | 1°46           | 0°27          | S 8  |
| S 9  | 9 12 9   | 19°11'38          | 4 <b>Ⅱ</b> 55   | 8°18           | 7°32           | 9°52           | 6°32         | 25°17          | 27°12 | 7°38         | 4°50  | 10°R34        | 9°39           | 1°53           | 0°30          | S 9  |
| M10  | 9 16 5   | 20°12'21          | 18°44           | 9°57           | 8°47           | 10°39          | 6°28         | 25°12          | 27°16 | 7°36         | 4°49  | 10°34         | 9°36           | 1°59           | 0°33          | M10  |
| T 11 | 9 20 2   | 21°13'03          | 29524           | 11°36          | 10° 2          | 11°26          | 6°24         | 25° 7          | 27°19 | 7°35         | 4°48  | 10°32         | 9°33           | 2° 6           | 0°35          | T 11 |
| W12  | 9 23 58  | 22°13'43          | 15°55           | 13°16          | 11°17          | 12°13          | 6°20         | 25° 3          | 27°23 | 7°33         | 4°47  | 10°27         | 9°29           | 2°13           | 0°38          | W12  |
| T 13 | 9 27 55  | 23°14'22          | 29°17           | 14°57          | 12°31          | 13° 1          | 6°16         | 24°58          | 27°26 | 7°31         | 4°46  | 10°20         | 9°26           | 2°19           | 0°41          | T 13 |
| F 14 | 9 31 51  | 24°14'59          | $12\Omega_{28}$ | 16°39          | 13°46          | 13°48          | 6°13         | 24°53          | 27°30 | 7°30         | 4°46  | 10° 9         | 9°23           | 2°26           | 0°44          | F 14 |
| S 15 | 9 35 48  | 25°15'34          | 25°27           | 18°21          | 15° 1          | 14°35          | 6°10         | 24°48          | 27°33 | 7°28         | 4°45  | 9°57          | 9°20           | 2°33           | 0°47          | S 15 |
| S 16 | 9 39 44  | 26°16'08          | 8 <b>m</b> )12  | 20° 5          | 16°15          | 15°22          | 6° 7         | 24°43          | 27°37 | 7°27         | 4°44  | 9°43          | 9°17           | 2°39           | 0°50          | S 16 |
| M17  | 9 43 41  | 27°16'41          | 20°43           | 21°49          | 17°30          | 16° 9          | 6° 4         | 24°38          | 27°40 | 7°25         | 4°44  | 9°30          | 9°14           | 2°46           | 0°53          | M17  |
| T 18 | 9 47 38  | 28°17'12          | 3 <b>₾</b> 0    | 23°35          | 18°45          | 16°56          | 6° 2         | 24°33          | 27°43 | 7°23         | 4°43  | 9°18          | 9°10           | 2°53           | 0°56          | T 18 |
| W19  | 9 51 34  | 29°17'41          | 15° 5           | 25°21          | 19°59          | 17°43          | 5°59         | 24°28          | 27°47 | 7°22         | 4°42  | 9° 9          | 9° 7           | 2°59           | 1° 0          | W19  |
| T 20 | 9 55 31  | 0 <b>) 18</b> ′10 | 27° 0           | 27° 8          | 21°14          | 18°30          | 5°57         | 24°24          | 27°50 | 7°20         | 4°42  | 9° 2          | 9° 4           | 3° 6           | 1° 3          | T 20 |
| F 21 | 9 59 27  | 1°18'37           | 8 <b>M</b> .50  | 28°56          | 22°28          | 19°16          | 5°55         | 24°19          | 27°54 | 7°19         | 4°41  | 8°57          | 9° 1           | 3°13           | 1° 6          | F 21 |
| S 22 | 10 3 24  | 2°19'03           | 20°38           | 0 <b>∺</b> 45  | 23°43          | 20° 3          | 5°53         | 24°14          | 27°57 | 7°17         | 4°40  | 8°56          | 8°58           | 3°20           | 1° 9          | S 22 |
| S 23 | 10 7 20  | 3°19'27           | 2 <b>₹</b> 31   | 2°35           | 24°57          | 20°50          | 5°51         | 24° 9          | 28° 1 | 7°16         | 4°40  | 8°55          | 8°54           | 3°26           | 1°12          | S 23 |
| M24  | 10 11 17 | 4°19'50           | 14°32           | 4°25           | 26°12          | 21°37          | 5°50         | 24° 5          | 28° 4 | 7°14         | 4°39  | 8°55          | 8°51           | 3°33           | 1°16          | M24  |
| T 25 | 10 15 13 | 5°20'12           | 26°49           | 6°17           | 27°26          | 22°24          | 5°49         | 24° 0          | 28° 8 | 7°13         | 4°39  | 8°54          | 8°48           | 3°40           | 1°19          | T 25 |
| W26  | 10 19 10 | 6°20'32           | 9 <b>ට</b> 25   | 8° 9           | 28°40          | 23°11          | 5°48         | 23°55          | 28°11 | 7°11         | 4°38  | 8°52          | 8°45           | 3°46           | 1°22          | W26  |
| T 27 | 10 23 7  | 7°20'51           | 22°26           | 10° 2          | 29°55          | 23°57          | 5°47         | 23°50          | 28°14 | 7°10         | 4°38  | 8°46          | 8°42           | 3°53           | 1°25          | T 27 |
| F 28 | 10 27 3  | 8 <b>)</b> 21'08  | 5≈53            | 11 <b>米</b> 56 | 1 <b>Υ</b> 9   | 24 <b>)</b> 44 | 59546        | 23 <b>Ω</b> 46 | 28≈18 | 7 <b>N</b> 9 | 4937  | 8 <b>₹</b> 38 | 8 <b>₹</b> 39  | 4 <b>™</b> 0   | 1 <b>Υ</b> 29 | F 28 |

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MARCH 1919 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | ·             | ď              | 4     | ħ              | )f(            | 卉             | Р     | ß             | v              | Ç             | ę,            | Day  |
|------|----------|------------------|-----------------|----------------|---------------|----------------|-------|----------------|----------------|---------------|-------|---------------|----------------|---------------|---------------|------|
| S 1  | 10 31 0  | 9 <b>∺</b> 21'23 | 19 <b>≈</b> 46  | 13 <b>∺</b> 51 | 2 <b>Υ</b> 23 | 25 <b>∺</b> 31 | 5°R46 | 23°R41         | 28 <b>≈</b> 21 | 7°R 7         | 4°R37 | 8°R28         | 8 <b>₹</b> ³35 | 4M 6          | 1 <b>Y</b> 32 | S 1  |
| S 2  | 10 34 56 | 10°21'37         | 4 <b>)</b> € 4  | 15°46          | 3°37          | 26°17          | 59546 | 23 <b>£</b> 37 | 28°25          | 7 <b>Ω</b> 6  | 49537 | 8 <b>∡</b> 16 | 8°32           | 4°13          | 1°35          | S 2  |
| M 3  | 10 38 53 | 11°21'49         | 18°39           | 17°41          | 4°52          | 27° 4          | 5°D46 | 23°32          | 28°28          | 7° 5          | 4°36  | 8° 4          | 8°29           | 4°20          | 1°39          | M 3  |
| T 4  | 10 42 49 | 12°21'59         | 3 <b>Y</b> 25   | 19°37          | 6° 6          | 27°51          | 5°46  | 23°28          | 28°32          | 7° 3          | 4°36  | 7°52          | 8°26           | 4°26          | 1°42          | T 4  |
| W 5  | 10 46 46 | 13°22'07         | 18°12           | 21°32          | 7°20          | 28°37          | 5°46  | 23°23          | 28°35          | 7° 2          | 4°35  | 7°43          | 8°23           | 4°33          | 1°45          | W 5  |
| T 6  | 10 50 42 | 14°22'13         | 2 <b>8</b> 55   | 23°28          | 8°34          | 29°24          | 5°47  | 23°19          | 28°38          | 7° 1          | 4°35  | 7°37          | 8°20           | 4°40          | 1°49          | T 6  |
| F 7  | 10 54 39 | 15°22'18         | 17°25           | 25°23          | 9°48          | o <b>Υ</b> 10  | 5°47  | 23°14          | 28°42          | 6°59          | 4°35  | 7°34          | 8°16           | 4°46          | 1°52          | F 7  |
| S 8  | 10 58 35 | 16°22'20         | 1 <b>Ⅱ</b> 40   | 27°17          | 11° 2         | 0°57           | 5°48  | 23°10          | 28°45          | 6°58          | 4°34  | 7°33          | 8°13           | 4°53          | 1°56          | S 8  |
| S 9  | 11 2 32  | 17°22'20         | 15°39           | 29°10          | 12°16         | 1°43           | 5°49  | 23° 6          | 28°48          | 6°57          | 4°34  | 7°33          | 8°10           | 5° 0          | 1°59          | S 9  |
| M10  | 11 6 29  | 18°22'17         | 29°21           | 1 <b>Υ</b> 2   | 13°30         | 2°29           | 5°51  | 23° 2          | 28°52          | 6°56          | 4°34  | 7°33          | 8° 7           | 5° 6          | 2° 3          | M10  |
| T 11 | 11 10 25 | 19°22'13         | 129548          | 2°52           | 14°44         | 3°16           | 5°52  | 22°58          | 28°55          | 6°55          | 4°34  | 7°31          | 8° 4           | 5°13          | 2° 6          | T 11 |
| W12  | 11 14 22 | 20°22'06         | 26° 1           | 4°39           | 15°57         | 4° 2           | 5°54  | 22°54          | 28°58          | 6°53          | 4°34  | 7°26          | 8° 0           | 5°20          | 2°10          | W12  |
| T 13 | 11 18 18 | 21°21'57         | 9Ω 2            | 6°24           | 17°11         | 4°48           | 5°56  | 22°50          | 29° 2          | 6°52          | 4°33  | 7°19          | 7°57           | 5°26          | 2°13          | T 13 |
| F 14 | 11 22 15 | 22°21'46         | 21°51           | 8° 6           | 18°25         | 5°34           | 5°58  | 22°46          | 29° 5          | 6°51          | 4°33  | 7° 9          | 7°54           | 5°33          | 2°17          | F 14 |
| S 15 | 11 26 11 | 23°21'32         | 4 <b>m</b> 30   | 9°44           | 19°39         | 6°21           | 6° 0  | 22°42          | 29° 8          | 6°50          | 4°33  | 6°57          | 7°51           | 5°40          | 2°20          | S 15 |
| S 16 | 11 30 8  | 24°21'17         | 16°57           | 11°17          | 20°52         | 7° 7           | 6° 3  | 22°38          | 29°11          | 6°49          | 4°33  | 6°44          | 7°48           | 5°46          | 2°24          | S 16 |
| M17  | 11 34 4  | 25°20'59         | 29°15           | 12°46          | 22° 6         | 7°53           | 6° 6  | 22°34          | 29°14          | 6°48          | 4°33  | 6°31          | 7°45           | 5°53          | 2°27          | M17  |
| T 18 | 11 38 1  | 26°20'40         | 11 <b>≏</b> 22  | 14°10          | 23°19         | 8°39           | 6° 8  | 22°31          | 29°18          | 6°47          | 4°33  | 6°19          | 7°41           | 6° 0          | 2°31          | T 18 |
| W19  | 11 41 58 | 27°20'19         | 23°21           | 15°28          | 24°33         | 9°25           | 6°11  | 22°27          | 29°21          | 6°46          | 4°33  | 6°10          | 7°38           | 6° 6          | 2°34          | W19  |
| T 20 | 11 45 54 | 28°19'55         | 5 <b>M</b> .14  | 16°40          | 25°46         | 10°11          | 6°15  | 22°24          | 29°24          | 6°45          | 4°D33 | 6° 2          | 7°35           | 6°13          | 2°38          | T 20 |
| F 21 | 11 49 51 | 29°19'30         | 17° 2           | 17°46          | 26°59         | 10°57          | 6°18  | 22°20          | 29°27          | 6°44          | 4°33  | 5°58          | 7°32           | 6°20          | 2°41          | F 21 |
| S 22 | 11 53 47 | 0 <b>Ƴ</b> 19'04 | 28°49           | 18°45          | 28°13         | 11°43          | 6°22  | 22°17          | 29°30          | 6°43          | 4°33  | 5°56          | 7°29           | 6°26          | 2°45          | S 22 |
| S 23 | 11 57 44 | 1°18'35          | 10 <b>×</b> 741 | 19°37          | 29°26         | 12°29          | 6°25  | 22°14          | 29°33          | 6°43          | 4°33  | 5°D56         | 7°25           | 6°33          | 2°48          | S 23 |
| M24  | 12 1 40  | 2°18'05          | 22°41           | 20°21          | 0 <b>8</b> 39 | 13°14          | 6°29  | 22°11          | 29°36          | 6°42          | 4°33  | 5°57          | 7°22           | 6°40          | 2°52          | M24  |
| T 25 | 12 5 37  | 3°17'33          | 4 <b>궁</b> 55   | 20°58          | 1°52          | 14° 0          | 6°34  | 22° 8          | 29°39          | 6°41          | 4°33  | 5°R57         | 7°19           | 6°46          | 2°55          | T 25 |
| W26  | 12 9 33  | 4°16'59          | 17°29           | 21°28          | 3° 6          | 14°46          | 6°38  | 22° 5          | 29°42          | 6°40          | 4°33  | 5°56          | 7°16           | 6°53          | 2°59          | W26  |
| T 27 | 12 13 30 | 5°16'23          | 0≈27            | 21°50          | 4°19          | 15°31          | 6°42  | 22° 2          | 29°45          | 6°40          | 4°34  | 5°53          | 7°13           | 7° 0          | 3° 2          | T 27 |
| F 28 | 12 17 27 | 6°15'46          | 13°52           | 22° 4          | 5°32          | 16°17          | 6°47  | 21°59          | 29°48          | 6°39          | 4°34  | 5°48          | 7°10           | 7° 6          | 3° 6          | F 28 |
| S 29 | 12 21 23 | 7°15'06          | 27°47           | 22°R10         | 6°45          | 17° 3          | 6°52  | 21°56          | 29°51          | 6°38          | 4°34  | 5°41          | 7° 6           | 7°13          | 3° 9          | S 29 |
| S 30 | 12 25 20 | 8°14'25          | 12 <b>米</b> 9   | 22° 9          | 7°57          | 17°48          | 6°57  | 21°54          | 29°54          | 6°38          | 4°34  | 5°32          | 7° 3           | 7°20          | 3°13          | S 30 |
| M31  | 12 29 16 | 9 <b>Υ</b> 13'42 | 26 <b>米</b> 55  | 22 <b>Y</b> 1  | 9810          | 18 <b>Y</b> 34 | 799 2 | 21 <b>0</b> 51 | 29≈57          | 6 <b>Ω</b> 37 | 4934  | 5 <b>₹</b> 23 | 7 <b>₹</b> 0   | 7 <b>M</b> 26 | 3 <b>Υ</b> 17 | M31  |

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| Day  | Sid.t    | 0                 | D               | ğ              | φ               | ♂              | 4      | ħ               | )f(          | ¥             | Р    | v             | Ω              | Ç               | ç            | Day  |
|------|----------|-------------------|-----------------|----------------|-----------------|----------------|--------|-----------------|--------------|---------------|------|---------------|----------------|-----------------|--------------|------|
| T 1  | 12 33 13 | 10 <b>Y</b> 12'57 | 11 <b>Y</b> 56  | 21°R46         | 10823           | 19 <b>Y</b> 19 | 799 7  | 21°R49          | 29≈59        | 6°R36         | 4935 | 5°R15         | 6 <b>₹</b> 157 | 7 <b>M</b> 33   | <b>3</b> Υ20 | T 1  |
| W 2  | 12 37 9  | 11°12'10          | 27° 4           | 21 <b>Y</b> 25 | 11°36           | 20° 5          | 7°13   | 21 <b>Ω</b> 46  | 0 <b>米</b> 3 | 6 <b>N</b> 36 | 4°35 | 5 <b>才</b> 8  | 6°54           | 7°40            | 3°24         | W 2  |
| T 3  | 12 41 6  | 12°11'21          | 128 8           | 20°58          | 12°48           | 20°50          | 7°18   | 21°44           | 0° 5         | 6°35          | 4°35 | 5° 4          | 6°51           | 7°46            | 3°27         | T 3  |
| F 4  | 12 45 2  | 13°10'29          | 26°59           | 20°25          | 14° 1           | 21°35          | 7°24   | 21°42           | 0° 8         | 6°35          | 4°36 | 5° 2          | 6°47           | 7°53            | 3°31         | F 4  |
| S 5  | 12 48 59 | 14° 9'36          | 11 <b>II</b> 32 | 19°48          | 15°14           | 22°21          | 7°30   | 21°40           | 0°11         | 6°34          | 4°36 | 5°D 2         | 6°44           | 7°59            | 3°34         | S 5  |
| S 6  | 12 52 55 | 15° 8'40          | 25°43           | 19°8           | 16°26           | 23° 6          | 7°36   | 21°38           | 0°14         | 6°34          | 4°36 | 5° 2          | 6°41           | 8° 6            | 3°38         | S 6  |
| M 7  | 12 56 52 | 16° 7'42          | 9931            | 18°24          | 17°39           | 23°51          | 7°42   | 21°36           | 0°16         | 6°34          | 4°37 | 5° 3          | 6°38           | 8°13            | 3°41         | M 7  |
| T 8  | 13 0 49  | 17° 6'41          | 22°58           | 17°39          | 18°51           | 24°36          | 7°49   | 21°35           | 0°19         | 6°33          | 4°37 | 5°R 3         | 6°35           | 8°19            | 3°45         | T 8  |
| W 9  | 13 4 45  | 18° 5'38          | 6 <b>N</b> 5    | 16°52          | 20° 3           | 25°21          | 7°55   | 21°33           | 0°21         | 6°33          | 4°38 | 5° 2          | 6°31           | 8°26            | 3°48         | W 9  |
| T 10 | 13 8 42  | 19° 4'33          | 18°55           | 16° 5          | 21°15           | 26° 6          | 8° 2   | 21°31           | 0°24         | 6°33          | 4°38 | 4°58          | 6°28           | 8°33            | 3°51         | T 10 |
| F 11 | 13 12 38 | 20° 3'26          | 1 <b>m</b> 30   | 15°19          | 22°28           | 26°51          | 8° 9   | 21°30           | 0°27         | 6°32          | 4°39 | 4°52          | 6°25           | 8°39            | 3°55         | F 11 |
| S 12 | 13 16 35 | 21° 2'16          | 13°53           | 14°35          | 23°40           | 27°36          | 8°16   | 21°29           | 0°29         | 6°32          | 4°39 | 4°45          | 6°22           | 8°46            | 3°58         | S 12 |
| S 13 | 13 20 31 | 22° 1'04          | 26° 6           | 13°53          | 24°52           | 28°21          | 8°23   | 21°27           | 0°32         | 6°32          | 4°40 | 4°37          | 6°19           | 8°53            | 4° 2         | S 13 |
| M14  | 13 24 28 | 22°59'50          | 8 <b>≏</b> 11   | 13°14          | 26° 4           | 29° 6          | 8°30   | 21°26           | 0°34         | 6°32          | 4°40 | 4°29          | 6°16           | 8°59            | 4° 5         | M14  |
| T 15 | 13 28 24 | 23°58'34          | 20° 9           | 12°38          | 27°15           | 29°51          | 8°37   | 21°25           | 0°36         | 6°32          | 4°41 | 4°22          | 6°12           | 9° 6            | 4° 9         | T 15 |
| W16  | 13 32 21 | 24°57'16          | 2 <b>m</b> 1    | 12° 7          | 28°27           | 0 <b>8</b> 35  | 8°45   | 21°24           | 0°39         | 6°32          | 4°42 | 4°17          | 6° 9           | 9°13            | 4°12         | W16  |
| T 17 | 13 36 18 | 25°55'56          | 13°51           | 11°40          | 29°39           | 1°20           | 8°53   | 21°24           | 0°41         | 6°32          | 4°42 | 4°13          | 6° 6           | 9°19            | 4°15         | T 17 |
| F 18 | 13 40 14 | 26°54'34          | 25°38           | 11°17          | 0Д51            | 2° 5           | 9° 0   | 21°23           | 0°43         | 6°D32         | 4°43 | 4°11          | 6° 3           | 9°26            | 4°19         | F 18 |
| S 19 | 13 44 11 | 27°53'10          | 7 <b>.</b> ₹28  | 11° 0          | 2° 2            | 2°49           | 9° 8   | 21°22           | 0°46         | 6°32          | 4°43 | 4°D10         | 6° 0           | 9°33            | 4°22         | S 19 |
| S 20 | 13 48 7  | 28°51'45          | 19°22           | 10°48          | 3°14            | 3°34           | 9°16   | 21°22           | 0°48         | 6°32          | 4°44 | 4°11          | 5°57           | 9°39            | 4°25         | S 20 |
| M21  | 13 52 4  | 29°50'18          | 1 <b>る</b> 24   | 10°41          | 4°25            | 4°18           | 9°25   | 21°22           | 0°50         | 6°32          | 4°45 | 4°13          | 5°53           | 9°46            | 4°28         | M21  |
| T 22 | 13 56 0  | 0 <b>8</b> 48'49  | 13°39           | 10°D38         | 5°36            | 5° 3           | 9°33   | 21°21           | 0°52         | 6°32          | 4°46 | 4°15          | 5°50           | 9°53            | 4°32         | T 22 |
| W23  | 13 59 57 | 1°47'19           | 26°12           | 10°41          | 6°48            | 5°47           | 9°41   | 21°21           | 0°54         | 6°32          | 4°46 | 4°R16         | 5°47           | 9°59            | 4°35         | W23  |
| T 24 | 14 3 53  | 2°45'47           | 9≈ 6            | 10°49          | 7°59            | 6°31           | 9°50   | 21°D21          | 0°56         | 6°32          | 4°47 | 4°16          | 5°44           | 10° 6           | 4°38         | T 24 |
| F 25 | 14 7 50  | 3°44'14           | 22°26           | 11° 2          | 9°10            | 7°16           | 9°59   | 21°21           | 0°58         | 6°32          | 4°48 | 4°14          | 5°41           | 10°13           | 4°41         | F 25 |
| S 26 | 14 11 47 | 4°42'38           | 6 <b>¥</b> 13   | 11°20          | 10°21           | 8° 0           | 10° 7  | 21°21           | 1° 0         | 6°33          | 4°49 | 4°12          | 5°37           | 10°19           | 4°45         | S 26 |
| S 27 | 14 15 43 | 5°41'02           | 20°28           | 11°42          | 11°32           | 8°44           | 10°16  | 21°22           | 1° 2         | 6°33          | 4°50 | 4° 8          | 5°34           | 10°26           | 4°48         | S 27 |
| M28  | 14 19 40 | 6°39'23           | 5 <b>℃</b> 8    | 12° 8          | 12°43           | 9°28           | 10°25  | 21°22           | 1° 4         | 6°33          | 4°50 | 4° 4          | 5°31           | 10°33           | 4°51         | M28  |
| T 29 | 14 23 36 | 7°37'43           | 20° 8           | 12°39          | 13°54           | 10°12          | 10°34  | 21°23           | 1° 6         | 6°34          | 4°51 | 4° 0          | 5°28           | 10°39           | 4°54         | T 29 |
| W30  | 14 27 33 | 8 <b>8</b> 36'02  | 5 <b>8</b> 20   | 13 <b>Y</b> 14 | 15 <b>I</b> I 4 | 10856          | 109644 | 21 <b>\O</b> 23 | 1 <b>米</b> 8 | 6 <b>Ω</b> 34 | 4952 | 3 <b>₹</b> 58 | 5 <b>₹</b> 25  | 10 <b>M</b> .46 | <b>4Υ</b> 57 | W30  |

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| Day  | Sid.t    | 0                | D               | ğ              | ·               | ð     | 4     | ħ              | )Å(             | ħ             | В    | ß              | S              | ţ              | ę,            | Day  |
|------|----------|------------------|-----------------|----------------|-----------------|-------|-------|----------------|-----------------|---------------|------|----------------|----------------|----------------|---------------|------|
| T 1  | 14 31 29 | 9 <b>8</b> 34'18 | 20 <b>8</b> 33  | 13 <b>Y</b> 52 | 16 <b>I</b> I15 | 11840 | 10953 | 21 <b>Ω</b> 24 | 1 <b>米</b> 9    | 6 <b>Ω</b> 34 | 4953 | 3°R56          | 5 <b>₹</b> 22  | 10 <b>M</b> 53 | 5 <b>Υ</b> 0  | T 1  |
| F 2  | 14 35 26 | 10°32'33         | 5 <b>Ⅱ</b> 38   | 14°35          | 17°25           | 12°24 | 11° 3 | 21°25          | 1°11            | 6°35          | 4°54 | 3°D55          | 5°18           | 10°59          | 5° 3          | F 2  |
| S 3  | 14 39 22 | 11°30'46         | 20°26           | 15°21          | 18°36           | 13° 8 | 11°12 | 21°26          | 1°13            | 6°35          | 4°55 | 3 <b>,</b> ₹56 | 5°15           | 11° 6          | 5° 6          | S 3  |
| S 4  | 14 43 19 | 12°28'57         | 4952            | 16°10          | 19°46           | 13°52 | 11°22 | 21°27          | 1°14            | 6°36          | 4°56 | 3°57           | 5°12           | 11°13          | 5° 9          | S 4  |
| M 5  | 14 47 16 | 13°27'06         | 18°52           | 17° 3          | 20°56           | 14°36 | 11°32 | 21°28          | 1°16            | 6°36          | 4°57 | 3°59           | 5° 9           | 11°19          | 5°12          | M 5  |
| T 6  | 14 51 12 | 14°25'14         | $2\Omega^{27}$  | 17°59          | 22° 7           | 15°20 | 11°42 | 21°29          | 1°18            | 6°37          | 4°58 | 4° 0           | 5° 6           | 11°26          | 5°15          | T 6  |
| W 7  | 14 55 9  | 15°23'19         | 15°37           | 18°58          | 23°17           | 16° 3 | 11°52 | 21°30          | 1°19            | 6°38          | 4°59 | 4°R 0          | 5° 2           | 11°33          | 5°18          | W 7  |
| T 8  | 14 59 5  | 16°21'22         | 28°25           | 20° 0          | 24°26           | 16°47 | 12° 2 | 21°32          | 1°21            | 6°38          | 5° 0 | 4° 0           | 4°59           | 11°39          | 5°21          | T 8  |
| F 9  | 15 3 2   | 17°19'23         | 10 <b>m</b> 55  | 21° 5          | 25°36           | 17°30 | 12°12 | 21°33          | 1°22            | 6°39          | 5° 1 | 3°58           | 4°56           | 11°46          | 5°23          | F 9  |
| S 10 | 15 6 58  | 18°17'22         | 23°11           | 22°12          | 26°46           | 18°14 | 12°22 | 21°35          | 1°23            | 6°40          | 5° 2 | 3°57           | 4°53           | 11°53          | 5°26          | S 10 |
| S 11 | 15 10 55 | 19°15'20         | 5 <b>₽</b> 15   | 23°22          | 27°56           | 18°57 | 12°32 | 21°37          | 1°25            | 6°40          | 5° 3 | 3°54           | 4°50           | 11°59          | 5°29          | S 11 |
| M12  | 15 14 51 | 20°13'16         | 17°11           | 24°35          | 29° 5           | 19°41 | 12°43 | 21°39          | 1°26            | 6°41          | 5° 4 | 3°52           | 4°47           | 12° 6          | 5°32          | M12  |
| T 13 | 15 18 48 | 21°11'10         | 29° 2           | 25°51          | 09୍ତ15          | 20°24 | 12°53 | 21°41          | 1°27            | 6°42          | 5° 5 | 3°50           | 4°43           | 12°13          | 5°34          | T 13 |
| W14  | 15 22 45 | 22° 9'02         | 10 <b>M</b> 51  | 27° 9          | 1°24            | 21° 7 | 13° 4 | 21°43          | 1°28            | 6°43          | 5° 6 | 3°49           | 4°40           | 12°19          | 5°37          | W14  |
| T 15 | 15 26 41 | 23° 6'53         | 22°39           | 28°29          | 2°33            | 21°51 | 13°15 | 21°45          | 1°29            | 6°44          | 5° 8 | 3°48           | 4°37           | 12°26          | 5°40          | T 15 |
| F 16 | 15 30 38 | 24° 4'43         | 4 <b>₹</b> 30   | 29°52          | 3°42            | 22°34 | 13°26 | 21°47          | 1°30            | 6°44          | 5° 9 | 3°D48          | 4°34           | 12°33          | 5°42          | F 16 |
| S 17 | 15 34 34 | 25° 2'31         | 16°25           | 1817           | 4°51            | 23°17 | 13°36 | 21°49          | 1°32            | 6°45          | 5°10 | 3°48           | 4°31           | 12°39          | 5°45          | S 17 |
| S 18 | 15 38 31 | 26° 0'18         | 28°26           | 2°44           | 6° 0            | 24° 0 | 13°47 | 21°52          | 1°33            | 6°46          | 5°11 | 3°49           | 4°28           | 12°46          | 5°47          | S 18 |
| M19  | 15 42 27 | 26°58'04         | 10 <b>云</b> 37  | 4°14           | 7° 8            | 24°43 | 13°58 | 21°54          | 1°33            | 6°47          | 5°12 | 3°50           | 4°24           | 12°52          | 5°50          | M19  |
| T 20 | 15 46 24 | 27°55'48         | 22°59           | 5°45           | 8°17            | 25°26 | 14°10 | 21°57          | 1°34            | 6°48          | 5°13 | 3°50           | 4°21           | 12°59          | 5°52          | T 20 |
| W21  | 15 50 20 | 28°53'31         | 5≈37            | 7°20           | 9°25            | 26° 9 | 14°21 | 22° 0          | 1°35            | 6°49          | 5°15 | 3°51           | 4°18           | 13° 6          | 5°55          | W21  |
| T 22 | 15 54 17 | 29°51'13         | 18°33           | 8°56           | 10°33           | 26°52 | 14°32 | 22° 3          | 1°36            | 6°50          | 5°16 | 3°51           | 4°15           | 13°12          | 5°57          | T 22 |
| F 23 | 15 58 14 | 0∏48'54          | 1 <b>) (</b> 49 | 10°35          | 11°42           | 27°35 | 14°43 | 22° 6          | 1°37            | 6°52          | 5°17 | 3°R51          | 4°12           | 13°19          | 6° 0          | F 23 |
| S 24 | 16 2 10  | 1°46'35          | 15°29           | 12°16          | 12°50           | 28°17 | 14°55 | 22° 9          | 1°37            | 6°53          | 5°18 | 3°51           | 4° 8           | 13°26          | 6° 2          | S 24 |
| S 25 | 16 6 7   | 2°44'14          | 29°32           | 13°59          | 13°57           | 29° 0 | 15° 6 | 22°12          | 1°38            | 6°54          | 5°20 | 3°51           | 4° 5           | 13°32          | 6° 4          | S 25 |
| M26  | 16 10 3  | 3°41'52          | 13 <b>Y</b> 58  | 15°44          | 15° 5           | 29°43 | 15°18 | 22°15          | 1°39            | 6°55          | 5°21 | 3°D51          | 4° 2           | 13°39          | 6° 6          | M26  |
| T 27 | 16 14 0  | 4°39'29          | 28°44           | 17°32          | 16°13           | 0Д26  | 15°29 | 22°18          | 1°39            | 6°56          | 5°22 | 3°51           | 3°59           | 13°46          | 6° 9          | T 27 |
| W28  | 16 17 56 | 5°37'05          | 13 <b>8</b> 43  | 19°22          | 17°20           | 1° 8  | 15°41 | 22°22          | 1°40            | 6°57          | 5°24 | 3°51           | 3°56           | 13°52          | 6°11          | W28  |
| T 29 | 16 21 53 | 6°34'41          | 28°49           | 21°14          | 18°28           | 1°51  | 15°53 | 22°25          | 1°40            | 6°59          | 5°25 | 3°R51          | 3°53           | 13°59          | 6°13          | T 29 |
| F 30 | 16 25 49 | 7°32'15          | 13 <b>II</b> 52 | 23° 8          | 19°35           | 2°33  | 16° 5 | 22°29          | 1°41            | 7° 0          | 5°26 | 3°51           | 3°49           | 14° 6          | 6°15          | F 30 |
| S 31 | 16 29 46 | 8∏29'48          | 28∏44           | 25 <b>8</b> 5  | 209642          | 3耳16  | 16917 | 22 <b>N</b> 33 | 1 <b>) (</b> 41 | 7 <b>Ω</b> 1  | 5928 | 3 <b>₹</b> 51  | 3 <b>,</b> ₹46 | 14 <b>M</b> 12 | 6 <b>Υ</b> 17 | S 31 |

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| Day  | Sid.t    | 0        | D              | ğ             | φ              | ♂              | 4      | ħ              | )f(             | ¥            | Р      | u              | v              | Ç               | ę,            | Day  |
|------|----------|----------|----------------|---------------|----------------|----------------|--------|----------------|-----------------|--------------|--------|----------------|----------------|-----------------|---------------|------|
| S 1  | 16 33 43 | 9∏27'20  | 139917         | 27 <b>8</b> 3 | 219548         | 3Д58           | 169529 | 22 <b>N</b> 36 | 1 <b>) (</b> 41 | 7 <b>Ω</b> 3 | 5929   | 3°R50          | 3 <b>∡</b> 743 | 14 <b>M</b> .19 | 6 <b>Υ</b> 19 | S 1  |
| M 2  | 16 37 39 | 10°24'51 | 27°26          | 29° 4         | 22°55          | 4°40           | 16°41  | 22°40          | 1°42            | 7° 4         | 5°30   | 3 <b>₹</b> 50  | 3°40           | 14°26           | 6°21          | M 2  |
| T 3  | 16 41 36 | 11°22'20 | 11 <b>Q</b> 9  | 1 <b>II</b> 6 | 24° 2          | 5°23           | 16°53  | 22°44          | 1°42            | 7° 5         | 5°32   | 3°49           | 3°37           | 14°32           | 6°23          | T 3  |
| W 4  | 16 45 32 | 12°19'49 | 24°26          | 3°10          | 25° 8          | 6° 5           | 17° 5  | 22°48          | 1°42            | 7° 7         | 5°33   | 3°48           | 3°34           | 14°39           | 6°25          | W 4  |
| T 5  | 16 49 29 | 13°17'15 | 7 <b>m</b> )18 | 5°16          | 26°14          | 6°47           | 17°17  | 22°52          | 1°42            | 7° 8         | 5°34   | 3°48           | 3°30           | 14°46           | 6°26          | T 5  |
| F 6  | 16 53 25 | 14°14'41 | 19°49          | 7°24          | 27°20          | 7°29           | 17°29  | 22°56          | 1°42            | 7°10         | 5°36   | 3°D48          | 3°27           | 14°52           | 6°28          | F 6  |
| S 7  | 16 57 22 | 15°12'06 | 2 <b>º</b> 2   | 9°33          | 28°26          | 8°11           | 17°41  | 23° 1          | 1°R42           | 7°11         | 5°37   | 3°48           | 3°24           | 14°59           | 6°30          | S 7  |
| S 8  | 17 1 18  | 16° 9'29 | 14° 3          | 11°43         | 29°31          | 8°53           | 17°54  | 23° 5          | 1°42            | 7°13         | 5°39   | 3°49           | 3°21           | 15° 6           | 6°31          | S 8  |
| M 9  | 17 5 15  | 17° 6'51 | 25°56          | 13°53         | 0Ω36           | 9°35           | 18° 6  | 23°10          | 1°42            | 7°14         | 5°40   | 3°50           | 3°18           | 15°12           | 6°33          | M 9  |
| T 10 | 17 9 12  | 18° 4'13 | 7 <b>M</b> .45 | 16° 5         | 1°42           | 10°17          | 18°19  | 23°14          | 1°42            | 7°16         | 5°41   | 3°52           | 3°14           | 15°19           | 6°35          | T 10 |
| W11  | 17 13 8  | 19° 1'33 | 19°33          | 18°17         | 2°47           | 10°59          | 18°31  | 23°19          | 1°42            | 7°17         | 5°43   | 3°53           | 3°11           | 15°26           | 6°36          | W11  |
| T 12 | 17 17 5  | 19°58'53 | 1 <b>∡</b> 723 | 20°29         | 3°51           | 11°41          | 18°44  | 23°23          | 1°41            | 7°19         | 5°44   | 3°R53          | 3° 8           | 15°32           | 6°38          | T 12 |
| F 13 | 17 21 1  | 20°56'12 | 13°20          | 22°41         | 4°56           | 12°22          | 18°56  | 23°28          | 1°41            | 7°21         | 5°46   | 3°53           | 3° 5           | 15°39           | 6°39          | F 13 |
| S 14 | 17 24 58 | 21°53'30 | 25°24          | 24°52         | 6° 0           | 13° 4          | 19° 9  | 23°33          | 1°41            | 7°22         | 5°47   | 3°52           | 3° 2           | 15°45           | 6°41          | S 14 |
| S 15 | 17 28 54 | 22°50'47 | 7 <b>云</b> 38  | 27° 3         | 7° 4           | 13°46          | 19°21  | 23°38          | 1°41            | 7°24         | 5°49   | 3°50           | 2°59           | 15°52           | 6°42          | S 15 |
| M16  | 17 32 51 | 23°48'04 | 20° 2          | 29°13         | 8° 8           | 14°27          | 19°34  | 23°43          | 1°40            | 7°26         | 5°50   | 3°47           | 2°55           | 15°59           | 6°43          | M16  |
| T 17 | 17 36 47 | 24°45'21 | 2≈40           | 19522         | 9°11           | 15° 9          | 19°47  | 23°48          | 1°40            | 7°28         | 5°52   | 3°44           | 2°52           | 16° 5           | 6°44          | T 17 |
| W18  | 17 40 44 | 25°42'37 | 15°31          | 3°29          | 10°14          | 15°50          | 20° 0  | 23°53          | 1°39            | 7°29         | 5°53   | 3°41           | 2°49           | 16°12           | 6°46          | W18  |
| T 19 | 17 44 41 | 26°39'52 | 28°36          | 5°35          | 11°17          | 16°32          | 20°12  | 23°58          | 1°39            | 7°31         | 5°54   | 3°38           | 2°46           | 16°19           | 6°47          | T 19 |
| F 20 | 17 48 37 | 27°37'08 | 11 <b>米</b> 58 | 7°39          | 12°20          | 17°13          | 20°25  | 24° 3          | 1°38            | 7°33         | 5°56   | 3°36           | 2°43           | 16°25           | 6°48          | F 20 |
| S 21 | 17 52 34 | 28°34'23 | 25°36          | 9°41          | 13°22          | 17°55          | 20°38  | 24° 9          | 1°37            | 7°35         | 5°57   | 3°D36          | 2°40           | 16°32           | 6°49          | S 21 |
| S 22 | 17 56 30 | 29°31'38 | 9 <b>Υ</b> 31  | 11°42         | 14°25          | 18°36          | 20°51  | 24°14          | 1°37            | 7°36         | 5°59   | 3°36           | 2°36           | 16°39           | 6°50          | S 22 |
| M23  | 18 0 27  | 09528'53 | 23°43          | 13°40         | 15°27          | 19°17          | 21° 4  | 24°20          | 1°36            | 7°38         | 6° 0   | 3°37           | 2°33           | 16°45           | 6°51          | M23  |
| T 24 | 18 4 23  | 1°26'08  | 8810           | 15°37         | 16°28          | 19°59          | 21°17  | 24°25          | 1°35            | 7°40         | 6° 2   | 3°38           | 2°30           | 16°52           | 6°52          | T 24 |
| W25  | 18 8 20  | 2°23'23  | 22°49          | 17°31         | 17°29          | 20°40          | 21°30  | 24°31          | 1°34            | 7°42         | 6° 3   | 3°40           | 2°27           | 16°59           | 6°53          | W25  |
| T 26 | 18 12 16 | 3°20'38  | 7 <b>Ⅱ</b> 35  | 19°23         | 18°30          | 21°21          | 21°43  | 24°36          | 1°33            | 7°44         | 6° 5   | 3°R40          | 2°24           | 17° 5           | 6°53          | T 26 |
| F 27 | 18 16 13 | 4°17'52  | 22°21          | 21°14         | 19°31          | 22° 2          | 21°56  | 24°42          | 1°32            | 7°46         | 6° 6   | 3°39           | 2°20           | 17°12           | 6°54          | F 27 |
| S 28 | 18 20 10 | 5°15'07  | 799 2          | 23° 2         | 20°31          | 22°43          | 22° 9  | 24°48          | 1°32            | 7°48         | 6° 8   | 3°36           | 2°17           | 17°19           | 6°55          | S 28 |
| S 29 | 18 24 6  | 6°12'21  | 21°29          | 24°47         | 21°31          | 23°24          | 22°22  | 24°54          | 1°30            | 7°50         | 6° 9   | 3°32           | 2°14           | 17°25           | 6°55          | S 29 |
| M30  | 18 28 3  | 799 9'35 | 5 <b>Ω</b> 37  | 26931         | 22 <b>N</b> 31 | 24 <b>II</b> 5 | 22936  | 25 <b>N</b> 0  | 1 <b>米</b> 29   | $7\Omega$ 52 | 69्ड11 | 3 <b>.</b> ₹27 | 2 <b>₹</b> 11  | 17 <b>M</b> 32  | 6 <b>Y</b> 56 | M30  |

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| Day  | Sid.t    | 0                | D              | ğ                   | ·              | ♂       | 4      | ħ             | )Å(           | 并               | В             | n              | Ω              | Ç              | , k           | Day  |
|------|----------|------------------|----------------|---------------------|----------------|---------|--------|---------------|---------------|-----------------|---------------|----------------|----------------|----------------|---------------|------|
| T 1  | 18 31 59 | 89 6'49          | 19Ω22          | 289512              | 23Ω30          | 24∏46   | 225649 | 25 <b>Ω</b> 6 | 1°R28         | 7 <b>Ω</b> 54   | 69512         | 3°R22          | 2 <b>,</b> ₹ 8 | 17 <b>M</b> 39 | 6 <b>Υ</b> 57 | T 1  |
| W 2  | 18 35 56 | 9° 4'02          | 2 mp 41        | 29°52               | 24°29          | 25°27   | 23° 2  | 25°12         | 1 <b>∺</b> 27 | 7°56            | 6°14          | 3 <b>∡</b> 17  | 2° 5           | 17°45          | 6°57          | W 2  |
| T 3  | 18 39 52 | 10° 1'15         | 15°36          | 1 <b>Ω</b> 29       | 25°27          | 26° 8   | 23°15  | 25°18         | 1°26          | 7°58            | 6°15          | 3°13           | 2° 1           | 17°52          | 6°58          | T 3  |
| F 4  | 18 43 49 | 10°58'28         | 28°10          | 3° 4                | 26°26          | 26°48   | 23°28  | 25°24         | 1°25          | 8° 0            | 6°17          | 3°11           | 1°58           | 17°58          | 6°58          | F 4  |
| S 5  | 18 47 45 | 11°55'40         | 10 <b>≏</b> 24 | 4°36                | 27°23          | 27°29   | 23°42  | 25°30         | 1°24          | 8° 2            | 6°18          | 3°D10          | 1°55           | 18° 5          | 6°58          | S 5  |
| S 6  | 18 51 42 | 12°52'52         | 22°25          | 6° 7                | 28°20          | 28°10   | 23°55  | 25°36         | 1°22          | 8° 4            | 6°20          | 3°11           | 1°52           | 18°12          | 6°59          | S 6  |
| M 7  | 18 55 39 | 13°50'04         | 4 <b>ጤ</b> 17  | 7°35                | 29°17          | 28°50   | 24° 8  | 25°43         | 1°21          | 8° 6            | 6°21          | 3°12           | 1°49           | 18°18          | 6°59          | M 7  |
| T 8  | 18 59 35 | 14°47'16         | 16° 6          | 9° 1                | 0 <b>m</b> 13  | 29°31   | 24°21  | 25°49         | 1°20          | 8° 8            | 6°23          | 3°13           | 1°46           | 18°25          | 6°59          | T 8  |
| W 9  | 19 3 32  | 15°44'28         | 27°55          | 10°24               | 1° 9           | 09୍ତୀ 1 | 24°35  | 25°55         | 1°18          | 8°10            | 6°24          | 3°R15          | 1°42           | 18°32          | 6°59          | W 9  |
| T 10 | 19 7 28  | 16°41'40         | 9 <b>才</b> 50  | 11°45               | 2° 4           | 0°52    | 24°48  | 26° 2         | 1°17          | 8°12            | 6°26          | 3°14           | 1°39           | 18°38          | 6°59          | T 10 |
| F 11 | 19 11 25 | 17°38'51         | 2 <u>1</u> °53 | 13° 4               | 2°59           | 1°32    | 25° 1  | 26° 8         | 1°15          | 8°14            | 6°27          | 3°13           | 1°36           | 18°45          | 6°R59         | F 11 |
| S 12 | 19 15 21 | 18°36'03         | 4중 8           | 14°21               | 3°53           | 2°13    | 25°15  | 26°15         | 1°14          | 8°16            | 6°28          | 3° 9           | 1°33           | 18°52          | 6°59          | S 12 |
| S 13 | 19 19 18 | 19°33'15         | 16°37          | 15°35               | 4°47           | 2°53    | 25°28  | 26°21         | 1°12          | 8°18            | 6°30          | 3° 3           | 1°30           | 18°58          | 6°59          | S 13 |
| M14  | 19 23 15 | 20°30'27         | 29°20          | 16°46               | 5°40           | 3°33    | 25°41  | 26°28         | 1°10          | 8°20            | 6°31          | 2°56           | 1°26           | 19° 5          | 6°59          | M14  |
| T 15 | 19 27 11 | 21°27'40         | 12≈18          | 17°55               | 6°33           | 4°14    | 25°55  | 26°35         | 1° 9          | 8°23            | 6°33          | 2°48           | 1°23           | 19°12          | 6°59          | T 15 |
| W16  | 19 31 8  | 22°24'53         | 25°30          | 19° 1               | 7°25           | 4°54    | 26° 8  | 26°41         | 1° 7          | 8°25            | 6°34          | 2°40           | 1°20           | 19°18          | 6°58          | W16  |
| T 17 | 19 35 4  | 23°22'06         | 8 <b>)</b> 54  | 20° 5               | 8°16           | 5°34    | 26°21  | 26°48         | 1° 5          | 8°27            | 6°36          | 2°32           | 1°17           | 19°25          | 6°58          | T 17 |
| F 18 | 19 39 1  | 24°19'20         | 22°30          | 21° 5               | 9° 7           | 6°14    | 26°35  | 26°55         | 1° 4          | 8°29            | 6°37          | 2°27           | 1°14           | 19°32          | 6°58          | F 18 |
| S 19 | 19 42 57 | 25°16'35         | 6 <b>Ƴ</b> 17  | 22° 3               | 9°56           | 6°54    | 26°48  | 27° 2         | 1° 2          | 8°31            | 6°39          | 2°23           | 1°11           | 19°38          | 6°57          | S 19 |
| S 20 | 19 46 54 | 26°13'50         | 20°13          | 22°57               | 10°46          | 7°34    | 27° 2  | 27° 9         | 1° 0          | 8°33            | 6°40          | 2°D21          | 1° 7           | 19°45          | 6°57          | S 20 |
| M21  | 19 50 50 | 27°11'06         | 4817           | 23°49               | 11°34          | 8°14    | 27°15  | 27°16         | 0°58          | 8°36            | 6°41          | 2°21           | 1° 4           | 19°52          | 6°57          | M21  |
| T 22 | 19 54 47 | 28° 8'23         | 18°29          | 24°36               | 12°22          | 8°54    | 27°28  | 27°23         | 0°56          | 8°38            | 6°43          | 2°22           | 1° 1           | 19°58          | 6°56          | T 22 |
| W23  | 19 58 44 | 29° 5'42         | 2∏48           | 25°21               | 13° 9          | 9°34    | 27°42  | 27°30         | 0°55          | 8°40            | 6°44          | 2°R23          | 0°58           | 20° 5          | 6°55          | W23  |
| T 24 | 20 2 40  | oΩ 3'00          | 17°10          | 26° 2               | 13°55          | 10°14   | 27°55  | 27°37         | 0°53          | 8°42            | 6°46          | 2°22           | 0°55           | 20°11          | 6°55          | T 24 |
| F 25 | 20 6 37  | 1° 0'20          | 19933          | 26°39               | 14°40          | 10°54   | 28° 9  | 27°44         | 0°51          | 8°44            | 6°47          | 2°19           | 0°52           | 20°18          | 6°54          | F 25 |
| S 26 | 20 10 33 | 1°57'41          | 15°51          | 27°12               | 15°25          | 11°33   | 28°22  | 27°51         | 0°49          | 8°47            | 6°48          | 2°13           | 0°48           | 20°25          | 6°53          | S 26 |
| S 27 | 20 14 30 | 2°55'02          | 0 <b>N</b> 0   | 27°41               | 16° 8          | 12°13   | 28°35  | 27°58         | 0°47          | 8°49            | 6°50          | 2° 5           | 0°45           | 20°31          | 6°52          | S 27 |
| M28  | 20 18 26 | 3°52'24          | 13°55          | 28° 6               | 16°51          | 12°53   | 28°49  | 28° 5         | 0°45          | 8°51            | 6°51          | 1°56           | 0°42           | 20°38          | 6°52          | M28  |
| T 29 | 20 22 23 | 4°49'47          | 27°31          | 28°26               | 17°33          | 13°33   | 29° 2  | 28°12         | 0°43          | 8°53            | 6°52          | 1°46           | 0°39           | 20°45          | 6°51          | T 29 |
| W30  | 20 26 19 | 5°47'10          | 10 <b>m</b> 45 | 28°42               | 18°13          | 14°12   | 29°15  | 28°20         | 0°40          | 8°55            | 6°54          | 1°36           | 0°36           | 20°51          | 6°50          | W30  |
| T 31 | 20 30 16 | 6 <b>Ω</b> 44'34 | 23 Mp 38       | 28 <b>\Omega</b> 53 | 18 <b>m</b> 53 | 149552  | 299529 | $28\Omega 27$ | 0 <b>∺</b> 38 | $8$ $\Omega$ 58 | 6 <b>9</b> 55 | 1 <b>∡</b> 727 | 0 <b>∡</b> 32  | 20 <b>M</b> 58 | 6 <b>Ƴ</b> 49 | T 31 |

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AUGUST 1919 00:00 UT

| Day  | Sid.t    | 0                | D             | φ              | φ               | o <sup>7</sup> | 4             | ħ              | )∤(            | ¥             | 2              | U              | Ω               | ţ              | Š             | Day  |
|------|----------|------------------|---------------|----------------|-----------------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|-----------------|----------------|---------------|------|
| F 1  | 20 34 13 | 7 <b>Ω</b> 41'58 | 6 <b>₽</b> 11 | 28€59          | 19 <b>m</b> y31 | 15931          | 299542        | 28 <b>Ω</b> 34 | 0°R36          | 9 <b>N</b> 0  | 6956           | 1°R21          | 0 <b>∡</b> 129  | 21 <b>m</b> 5  | 6°R48         | F 1  |
| S 2  | 20 38 9  | 8°39'23          | 18°25         | 29°R 0         | 20° 9           | 16°11          | 29°55         | 28°41          | 0 <b>)</b> €34 | 9° 2          | 6°58           | 1 <b>√</b> 17  | 0°26            | 21°11          | 6 <b>Ƴ</b> 47 | S 2  |
| S 3  | 20 42 6  | 9°36'49          | 0 <b>M</b> 26 | 28°55          | 20°45           | 16°50          | 0Ω 8          | 28°49          | 0°32           | 9° 4          | 6°59           | 1°15           | 0°23            | 21°18          | 6°45          | S 3  |
| M 4  | 20 46 2  | 10°34'15         | 12°18         | 28°46          | 21°20           | 17°30          | 0°22          | 28°56          | 0°30           | 9° 7          | 7° 0           | 1°D14          | 0°20            | 21°25          | 6°44          | M 4  |
| T 5  | 20 49 59 | 11°31'42         | 24° 7         | 28°31          | 21°53           | 18° 9          | 0°35          | 29° 3          | 0°27           | 9° 9          | 7° 2           | 1°15           | 0°17            | 21°31          | 6°43          | T 5  |
| W 6  | 20 53 55 | 12°29'10         | 5 <b>₹</b> 57 | 28°11          | 22°26           | 18°48          | 0°48          | 29°11          | 0°25           | 9°11          | 7° 3           | 1°R15          | 0°13            | 21°38          | 6°42          | W 6  |
| T 7  | 20 57 52 | 13°26'39         | 17°55         | 27°46          | 22°56           | 19°27          | 1° 1          | 29°18          | 0°23           | 9°13          | 7° 4           | 1°13           | 0°10            | 21°45          | 6°40          | T 7  |
| F 8  | 21 148   | 14°24'08         | 0중 4          | 27°16          | 23°26           | 20° 7          | 1°15          | 29°26          | 0°21           | 9°16          | 7° 5           | 1°10           | 0° 7            | 21°51          | 6°39          | F 8  |
| S 9  | 21 5 45  | 15°21'39         | 12°29         | 26°41          | 23°54           | 20°46          | 1°28          | 29°33          | 0°18           | 9°18          | 7° 6           | 1° 4           | 0° 4            | 21°58          | 6°38          | S 9  |
| S 10 | 21 9 42  | 16°19'10         | 25°11         | 26° 2          | 24°20           | 21°25          | 1°41          | 29°41          | 0°16           | 9°20          | 7° 8           | 0°56           | 0° 1            | 22° 4          | 6°36          | S 10 |
| M11  | 21 13 38 | 17°16'42         | 8≈13          | 25°20          | 24°45           | 22° 4          | 1°54          | 29°48          | 0°14           | 9°22          | 7° 9           | 0°45           | 29M58           | 22°11          | 6°35          | M11  |
| T 12 | 21 17 35 | 18°14'16         | 21°32         | 24°34          | 25° 8           | 22°43          | 2° 7          | 29°56          | 0°12           | 9°24          | 7°10           | 0°34           | 29°54           | 22°18          | 6°33          | T 12 |
| W13  | 21 21 31 | 19°11'50         | 5 <b>∀</b> 8  | 23°46          | 25°29           | 23°22          | 2°20          | 0 <b>m</b> 3   | 0° 9           | 9°27          | 7°11           | 0°22           | 29°51           | 22°24          | 6°32          | W13  |
| T 14 | 21 25 28 | 20° 9'26         | 18°57         | 22°57          | 25°49           | 24° 1          | 2°33          | 0°11           | 0° 7           | 9°29          | 7°12           | 0°11           | 29°48           | 22°31          | 6°30          | T 14 |
| F 15 | 21 29 24 | 21° 7'03         | 2 <b>Υ</b> 56 | 22° 7          | 26° 6           | 24°40          | 2°46          | 0°18           | 0° 5           | 9°31          | 7°13           | 0° 3           | 29°45           | 22°38          | 6°28          | F 15 |
| S 16 | 21 33 21 | 22° 4'41         | 17° 0         | 21°17          | 26°22           | 25°19          | 2°59          | 0°26           | 0° 2           | 9°33          | 7°15           | 29 <b>M</b> 57 | 29°42           | 22°44          | 6°26          | S 16 |
| S 17 | 21 37 17 | 23° 2'21         | 1 <b>8</b> 8  | 20°28          | 26°36           | 25°58          | 3°12          | 0°33           | 29≈59          | 9°35          | 7°16           | 29°53          | 29°38           | 22°51          | 6°25          | S 17 |
| M18  | 21 41 14 | 24° 0'03         | 15°16         | 19°42          | 26°48           | 26°36          | 3°25          | 0°41           | 29°57          | 9°37          | 7°17           | 29°52          | 29°35           | 22°58          | 6°23          | M18  |
| T 19 | 21 45 10 | 24°57'46         | 29°23         | 18°59          | 26°57           | 27°15          | 3°38          | 0°49           | 29°55          | 9°40          | 7°18           | 29°52          | 29°32           | 23° 4          | 6°21          | T 19 |
| W20  | 21 49 7  | 25°55'31         | 13Ⅱ29         | 18°20          | 27° 5           | 27°54          | 3°51          | 0°56           | 29°53          | 9°42          | 7°19           | 29°52          | 29°29           | 23°11          | 6°19          | W20  |
| T 21 | 21 53 4  | 26°53'18         | 27°32         | 17°46          | 27°10           | 28°33          | 4° 4          | 1° 4           | 29°50          | 9°44          | 7°20           | 29°50          | 29°26           | 23°18          | 6°17          | T 21 |
| F 22 | 21 57 0  | 27°51'07         | 119931        | 17°18          | 27°13           | 29°11          | 4°16          | 1°11           | 29°48          | 9°46          | 7°21           | 29°46          | 29°23           | 23°24          | 6°15          | F 22 |
| S 23 | 22 0 57  | 28°48'57         | 25°24         | 16°56          | 27°R14          | 29°50          | 4°29          | 1°19           | 29°46          | 9°48          | 7°22           | 29°39          | 29°19           | 23°31          | 6°13          | S 23 |
| S 24 | 22 4 53  | 29°46'48         | 9Ω9           | 16°41          | 27°13           | 0 <b>Ω</b> 28  | 4°42          | 1°27           | 29°43          | 9°50          | 7°23           | 29°29          | 29°16           | 23°37          | 6°11          | S 24 |
| M25  | 22 8 50  | 0 <b>m</b> 44'41 | 22°41         | 16°D34         | 27° 9           | 1° 7           | 4°55          | 1°34           | 29°41          | 9°52          | 7°24           | 29°17          | 29°13           | 23°44          | 6° 9          | M25  |
| T 26 | 22 12 46 | 1°42'36          | 5 <b>m</b> 59 | 16°34          | 27° 3           | 1°45           | 5° 7          | 1°42           | 29°38          | 9°55          | 7°25           | 29° 4          | 29°10           | 23°51          | 6° 7          | T 26 |
| W27  | 22 16 43 | 2°40'32          | 19° 1         | 16°43          | 26°55           | 2°24           | 5°20          | 1°49           | 29°36          | 9°57          | 7°26           | 28°52          | 29° 7           | 23°57          | 6° 5          | W27  |
| T 28 | 22 20 39 | 3°38'30          | 1 <b>≏</b> 44 | 16°59          | 26°44           | 3° 2           | 5°32          | 1°57           | 29°34          | 9°59          | 7°27           | 28°41          | 29° 3           | 24° 4          | 6° 3          | T 28 |
| F 29 | 22 24 36 | 4°36'29          | 14°11         | 17°24          | 26°31           | 3°41           | 5°45          | 2° 5           | 29°31          | 10° 1         | 7°28           | 28°32          | 29° 0           | 24°11          | 6° 1          | F 29 |
| S 30 | 22 28 33 | 5°34'29          | 26°22         | 17°56          | 26°15           | 4°19           | 5°57          | 2°12           | 29°29          | 10° 3         | 7°29           | 28°26          | 28°57           | 24°17          | 5°58          | S 30 |
| S 31 | 22 32 29 | 6Mp32'31         | 8 <b>M</b> 20 | 18 <b>Ω</b> 37 | 25 <b>m</b> 57  | 4 <b>Ω</b> 57  | 6 <b>Ω</b> 10 | 2 <b>m</b> /20 | 29≈26          | 10 <b>0</b> 5 | 7 <b>9</b> 529 | 28 <b>M</b> 23 | 28 <b>M</b> .54 | 24 <b>M</b> 24 | 5 <b>Ƴ</b> 56 | S 31 |

Delta T = 21.35 sec

SEPTEMBER 1919 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ♂              | 4              | ħ             | )∤(            | ¥              | Р     | ß              | v               | Ç              | ę,            | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|-------|----------------|-----------------|----------------|---------------|------|
| M 1  | 22 36 26 | 7 <b>m</b> 30'34 | 20 <b>M</b> 11 | 19 <b>Ω</b> 25 | 25°R37         | 5 <b>Ω</b> 36  | 6 <b>Ω</b> 22  | 2 <b>m</b> 28 | 29°R24         | 10 <b>Ω</b> 7  | 7930  | 28°R21         | 28MJ51          | 24MJ31         | 5°R54         | M 1  |
| T 2  | 22 40 22 | 8°28'39          | 1 <b>才</b> 59  | 20°21          | 25 Mp 15       | 6°14           | 6°34           | 2°35          | 29≈22          | 10° 9          | 7°31  | 28 <b>M</b> 21 | 28°48           | 24°37          | 5 <b>Ƴ</b> 52 | T 2  |
| W 3  | 22 44 19 | 9°26'45          | 13°49          | 21°24          | 24°50          | 6°52           | 6°46           | 2°43          | 29°19          | 10°11          | 7°32  | 28°21          | 28°44           | 24°44          | 5°49          | W 3  |
| T 4  | 22 48 15 | 10°24'53         | 2 <u>5</u> °47 | 22°33          | 24°24          | 7°30           | 6°59           | 2°50          | 29°17          | 10°13          | 7°33  | 28°20          | 28°41           | 24°51          | 5°47          | T 4  |
| F 5  | 22 52 12 | 11°23'02         | 7 <b>云</b> 59  | 23°49          | 23°56          | 8° 8           | 7°11           | 2°58          | 29°15          | 10°15          | 7°33  | 28°17          | 28°38           | 24°57          | 5°44          | F 5  |
| S 6  | 22 56 8  | 12°21'12         | 20°28          | 25°11          | 23°25          | 8°46           | 7°23           | 3° 5          | 29°12          | 10°17          | 7°34  | 28°12          | 28°35           | 25° 4          | 5°42          | S 6  |
| S 7  | 23 0 5   | 13°19'24         | 3≈18           | 26°37          | 22°54          | 9°24           | 7°35           | 3°13          | 29°10          | 10°19          | 7°35  | 28° 5          | 28°32           | 25°11          | 5°40          | S 7  |
| M 8  | 23 4 2   | 14°17'37         | 16°32          | 28° 9          | 22°20          | 10° 2          | 7°47           | 3°21          | 29° 8          | 10°21          | 7°36  | 27°55          | 28°29           | 25°17          | 5°37          | M 8  |
| T 9  | 23 7 58  | 15°15'53         | 0 <b>∺</b> 8   | 29°45          | 21°46          | 10°40          | 7°58           | 3°28          | 29° 5          | 10°23          | 7°36  | 27°44          | 28°25           | 25°24          | 5°35          | T 9  |
| W10  | 23 11 55 | 16°14'09         | 14° 6          | 1 <b>M</b> 24  | 21°11          | 11°18          | 8°10           | 3°36          | 29° 3          | 10°25          | 7°37  | 27°33          | 28°22           | 25°30          | 5°32          | W10  |
| T 11 | 23 15 51 | 17°12'28         | 28°20          | 3° 7           | 20°34          | 11°56          | 8°22           | 3°43          | 29° 1          | 10°26          | 7°38  | 27°22          | 28°19           | 25°37          | 5°30          | T 11 |
| F 12 | 23 19 48 | 18°10'48         | 12 <b>Y</b> 44 | 4°52           | 19°58          | 12°33          | 8°34           | 3°50          | 28°59          | 10°28          | 7°38  | 27°14          | 28°16           | 25°44          | 5°27          | F 12 |
| S 13 | 23 23 44 | 19° 9'11         | 27°14          | 6°40           | 19°20          | 13°11          | 8°45           | 3°58          | 28°57          | 10°30          | 7°39  | 27° 9          | 28°13           | 25°50          | 5°24          | S 13 |
| S 14 | 23 27 41 | 20° 7'35         | 11842          | 8°29           | 18°43          | 13°49          | 8°57           | 4° 5          | 28°54          | 10°32          | 7°39  | 27° 6          | 28° 9           | 25°57          | 5°22          | S 14 |
| M15  | 23 31 37 | 21° 6'02         | 26° 5          | 10°19          | 18° 6          | 14°26          | 9° 8           | 4°13          | 28°52          | 10°34          | 7°40  | 27°D 5         | 28° 6           | 26° 4          | 5°19          | M15  |
| T 16 | 23 35 34 | 22° 4'31         | 10 <b>Ⅱ</b> 19 | 12°10          | 17°30          | 15° 4          | 9°20           | 4°20          | 28°50          | 10°35          | 7°41  | 27° 5          | 28° 3           | 26°10          | 5°17          | T 16 |
| W17  | 23 39 31 | 23° 3'02         | 24°24          | 14° 3          | 16°54          | 15°42          | 9°31           | 4°28          | 28°48          | 10°37          | 7°41  | 27°R 5         | 28° 0           | 26°17          | 5°14          | W17  |
| T 18 | 23 43 27 | 24° 1'35         | 89917          | 15°55          | 16°19          | 16°19          | 9°42           | 4°35          | 28°46          | 10°39          | 7°42  | 27° 4          | 27°57           | 26°24          | 5°11          | T 18 |
| F 19 | 23 47 24 | 25° 0'10         | 22° 1          | 17°47          | 15°45          | 16°57          | 9°54           | 4°42          | 28°44          | 10°41          | 7°42  | 27° 1          | 27°54           | 26°30          | 5° 9          | F 19 |
| S 20 | 23 51 20 | 25°58'48         | 5 <b>Ω</b> 33  | 19°40          | 15°12          | 17°34          | 10° 5          | 4°50          | 28°42          | 10°42          | 7°43  | 26°56          | 27°50           | 26°37          | 5° 6          | S 20 |
| S 21 | 23 55 17 | 26°57'28         | 18°54          | 21°32          | 14°41          | 18°12          | 10°16          | 4°57          | 28°40          | 10°44          | 7°43  | 26°48          | 27°47           | 26°44          | 5° 3          | S 21 |
| M22  | 23 59 13 | 27°56'10         | 2Mp 3          | 23°24          | 14°12          | 18°49          | 10°27          | 5° 4          | 28°38          | 10°46          | 7°43  | 26°39          | 27°44           | 26°50          | 5° 1          | M22  |
| T 23 | 0 3 10   | 28°54'54         | 14°59          | 25°15          | 13°45          | 19°26          | 10°37          | 5°11          | 28°36          | 10°47          | 7°44  | 26°28          | 27°41           | 26°57          | 4°58          | T 23 |
| W24  | 0 7 6    | 29°53'40         | 27°41          | 27° 5          | 13°19          | 20° 4          | 10°48          | 5°18          | 28°34          | 10°49          | 7°44  | 26°18          | 27°38           | 27° 3          | 4°55          | W24  |
| T 25 | 0 11 3   | 0 <b>ჲ</b> 52'28 | 10 <b>≏</b> 11 | 28°55          | 12°55          | 20°41          | 10°59          | 5°26          | 28°32          | 10°51          | 7°44  | 26° 9          | 27°34           | 27°10          | 4°53          | T 25 |
| F 26 | 0 15 0   | 1°51'17          | 22°26          | 0 <b>ჲ</b> 44  | 12°34          | 21°18          | 11° 9          | 5°33          | 28°30          | 10°52          | 7°45  | 26° 2          | 27°31           | 27°17          | 4°50          | F 26 |
| S 27 | 0 18 56  | 2°50'09          | 4 <b>M</b> .31 | 2°32           | 12°15          | 21°55          | 11°20          | 5°40          | 28°28          | 10°54          | 7°45  | 25°57          | 27°28           | 27°23          | 4°47          | S 27 |
| S 28 | 0 22 53  | 3°49'03          | 16°25          | 4°20           | 11°58          | 22°32          | 11°30          | 5°47          | 28°26          | 10°55          | 7°45  | 25°54          | 27°25           | 27°30          | 4°44          | S 28 |
| M29  | 0 26 49  | 4°47'59          | 28°14          | 6° 6           | 11°44          | 23° 9          | 11°41          | 5°54          | 28°24          | 10°57          | 7°46  | 25°D54         | 27°22           | 27°37          | 4°42          | M29  |
| T 30 | 0 30 46  | 5 <b>≏</b> 46'56 | 10 <b>×</b> 0  | 7 <b>≙</b> 52  | 11 <b>m</b> 32 | 23 <b>Ω</b> 46 | 11 <b>Ω</b> 51 | 6Mp 1         | 28 <b>≈</b> 23 | 10 <b>Ω</b> 58 | 79946 | 25 <b>M</b> 55 | 27 <b>IL</b> 19 | 27 <b>M</b> 43 | <b>4Υ</b> 39  | T 30 |

Delta T = 21.40 sec

OCTOBER 1919 00:00 UT

| Day  | Sid.t   | $\odot$           | 2)              | ·             | Ŷ                | o'              | 4              | ħ             | ₩.     | #               | E     | 8.s            | 83             | ţ              | δ             | Day  |
|------|---------|-------------------|-----------------|---------------|------------------|-----------------|----------------|---------------|--------|-----------------|-------|----------------|----------------|----------------|---------------|------|
| W 1  | 0 34 42 | 6 <b>₽</b> 45'55  | 21 <b>х</b> 49  | 9 <b>≙</b> 37 | 11°R22           | 24 <b>Ω</b> 23  | 12 <b>N</b> 1  | 6Mp 8         | 28°R21 | 10 <b>Ω</b> 59  | 79546 | 25 <b>M</b> 56 | 27 <b>M</b> 15 | 27 <b>M</b> 50 | 4°R36         | W 1  |
| T 2  | 0 38 39 | 7°44'56           | 3 <b>⋜</b> 46   | 11°21         | 11 <b>m</b> ) 15 | 25° 0           | 12°11          | 6°15          | 28≈19  | 11° 1           | 7°46  | 25°R57         | 27°12          | 27°57          | 4 <b>Υ</b> 34 | T 2  |
| F 3  | 0 42 35 | 8°43'59           | 15°56           | 13° 4         | 11°10            | 25°37           | 12°21          | 6°22          | 28°18  | 11° 2           | 7°46  | 25°57          | 27° 9          | 28° 3          | 4°31          | F 3  |
| S 4  | 0 46 32 | 9°43'04           | 28°23           | 14°46         | 11°D 8           | 26°14           | 12°31          | 6°28          | 28°16  | 11° 4           | 7°46  | 25°55          | 27° 6          | 28°10          | 4°28          | S 4  |
| S 5  | 0 50 28 | 10°42'10          | 11≈14           | 16°28         | 11° 8            | 26°51           | 12°41          | 6°35          | 28°14  | 11° 5           | 7°47  | 25°51          | 27° 3          | 28°17          | 4°25          | S 5  |
| M 6  | 0 54 25 | 11°41'18          | 24°30           | 18° 8         | 11°10            | 27°28           | 12°50          | 6°42          | 28°13  | 11° 6           | 7°47  | 25°46          | 27° 0          | 28°23          | 4°23          | M 6  |
| T 7  | 0 58 22 | 12°40'28          | 8 <b>)</b> 12   | 19°48         | 11°15            | 28° 4           | 13° 0          | 6°48          | 28°11  | 11°8            | 7°47  | 25°39          | 26°56          | 28°30          | 4°20          | T 7  |
| W 8  | 1 2 18  | 13°39'39          | 22°21           | 21°27         | 11°22            | 28°41           | 13° 9          | 6°55          | 28°10  | 11° 9           | 7°47  | 25°32          | 26°53          | 28°36          | 4°17          | W 8  |
| T 9  | 1 6 15  | 14°38'53          | 6 <b>Ƴ</b> 51   | 23° 5         | 11°31            | 29°18           | 13°18          | 7° 2          | 28° 9  | 11°10           | 7°R47 | 25°26          | 26°50          | 28°43          | 4°15          | T 9  |
| F 10 | 1 10 11 | 15°38'08          | 21°36           | 24°43         | 11°42            | 29°54           | 13°28          | 7° 8          | 28° 7  | 11°11           | 7°47  | 25°21          | 26°47          | 28°50          | 4°12          | F 10 |
| S 11 | 1 14 8  | 16°37'26          | 6 <b>8</b> 30   | 26°19         | 11°56            | 0 <b>m</b> y31  | 13°37          | 7°15          | 28° 6  | 11°12           | 7°47  | 25°18          | 26°44          | 28°56          | 4° 9          | S 11 |
| S 12 | 1 18 4  | 17°36'46          | 21°23           | 27°55         | 12°12            | 1° 7            | 13°46          | 7°21          | 28° 4  | 11°13           | 7°47  | 25°D16         | 26°40          | 29° 3          | 4° 7          | S 12 |
| M13  | 1 22 1  | 18°36'08          | 6 <b>I</b> I 8  | 29°31         | 12°29            | 1°44            | 13°54          | 7°28          | 28° 3  | 11°15           | 7°47  | 25°17          | 26°37          | 29°10          | 4° 4          | M13  |
| T 14 | 1 25 57 | 19°35'33          | 20°40           | 1 <b>m</b> 5  | 12°49            | 2°20            | 14° 3          | 7°34          | 28° 2  | 11°16           | 7°47  | 25°18          | 26°34          | 29°16          | 4° 2          | T 14 |
| W15  | 1 29 54 | 20°35'00          | 4956            | 2°39          | 13°10            | 2°56            | 14°12          | 7°40          | 28° 1  | 11°17           | 7°46  | 25°19          | 26°31          | 29°23          | 3°59          | W15  |
| T 16 | 1 33 51 | 21°34'29          | 18°53           | 4°12          | 13°34            | 3°32            | 14°20          | 7°46          | 28° 0  | 11°18           | 7°46  | 25°R20         | 26°28          | 29°30          | 3°56          | T 16 |
| F 17 | 1 37 47 | 22°34'00          | 2 <b>Ω</b> 31   | 5°45          | 13°59            | 4° 9            | 14°29          | 7°53          | 27°59  | 11°19           | 7°46  | 25°20          | 26°25          | 29°36          | 3°54          | F 17 |
| S 18 | 1 41 44 | 23°33'34          | 15°52           | 7°17          | 14°26            | 4°45            | 14°37          | 7°59          | 27°58  | 11°20           | 7°46  | 25°18          | 26°21          | 29°43          | 3°51          | S 18 |
| S 19 | 1 45 40 | 24°33'10          | 28°56           | 8°48          | 14°54            | 5°21            | 14°45          | 8° 5          | 27°57  | 11°20           | 7°46  | 25°15          | 26°18          | 29°50          | 3°49          | S 19 |
| M20  | 1 49 37 | 25°32'48          | 11 <b>M</b> )46 | 10°19         | 15°24            | 5°57            | 14°53          | 8°11          | 27°56  | 11°21           | 7°45  | 25°10          | 26°15          | 29°56          | 3°46          | M20  |
| T 21 | 1 53 33 | 26°32'29          | 24°22           | 11°49         | 15°56            | 6°33            | 15° 1          | 8°17          | 27°55  | 11°22           | 7°45  | 25° 5          | 26°12          | 0 <b>∡</b> 3   | 3°44          | T 21 |
| W22  | 1 57 30 | 27°32'11          | 6 <b>₽</b> 46   | 13°18         | 16°29            | 7° 9            | 15° 8          | 8°23          | 27°54  | 11°23           | 7°45  | 25° 0          | 26° 9          | 0° 9           | 3°42          | W22  |
| T 23 | 2 1 26  | 28°31'56          | 19° 0           | 14°47         | 17° 3            | 7°45            | 15°16          | 8°28          | 27°53  | 11°24           | 7°45  | 24°56          | 26° 6          | 0°16           | 3°39          | T 23 |
| F 24 | 2 5 23  | 29°31'42          | 1 <b>m</b> 4    | 16°15         | 17°39            | 8°21            | 15°23          | 8°34          | 27°52  | 11°25           | 7°44  | 24°53          | 26° 2          | 0°23           | 3°37          | F 24 |
| S 25 | 2 9 20  | 0 <b>M</b> .31'31 | 13° 0           | 17°43         | 18°16            | 8°57            | 15°31          | 8°40          | 27°52  | 11°25           | 7°44  | 24°51          | 25°59          | 0°29           | 3°34          | S 25 |
| S 26 | 2 13 16 | 1°31'22           | 24°50           | 19° 9         | 18°55            | 9°32            | 15°38          | 8°45          | 27°51  | 11°26           | 7°44  | 24°D50         | 25°56          | 0°36           | 3°32          | S 26 |
| M27  | 2 17 13 | 2°31'14           | 6 <b>₮</b> 37   | 20°36         | 19°34            | 10° 8           | 15°45          | 8°51          | 27°50  | 11°27           | 7°43  | 24°51          | 25°53          | 0°43           | 3°30          | M27  |
| T 28 | 2 21 9  | 3°31'09           | 1 <u>8</u> °23  | 22° 1         | 20°15            | 10°44           | 15°52          | 8°56          | 27°50  | 11°27           | 7°43  | 24°52          | 25°50          | 0°49           | 3°27          | T 28 |
| W29  | 2 25 6  | 4°31'05           | 0 <b>궁</b> 13   | 23°26         | 20°57            | 11°19           | 15°58          | 9° 2          | 27°49  | 11°28           | 7°42  | 24°54          | 25°46          | 0°56           | 3°25          | W29  |
| T 30 | 2 29 2  | 5°31'03           | 1 <u>2</u> ° 9  | 24°50         | 21°40            | 11°55           | 16° 5          | 9° 7          | 27°49  | 11°28           | 7°42  | 24°56          | 25°43          | 1° 3           | 3°23          | T 30 |
| F 31 | 2 32 59 | 6M31'02           | 24 <b>ට</b> 17  | 26ML13        | 22 Mp 24         | 12 <b>m</b> y30 | 16 <b>Ω</b> 11 | 9 <b>m</b> 12 | 27≈48  | $11\Omega_{29}$ | 79541 | 24 <b>M</b> 57 | 25 <b>M</b> 40 | 1 <b>才</b> 9   | 3 <b>Υ</b> 21 | F 31 |

Delta T = 21.46 sec

NOVEMBER 1919 00:00 UT

| Day          | Sid.t              | 0  | D                       | ğ                        | φ              | ♂                | 4              | ħ                        | )f(                     | ¥                       | Р                      | ß                | v               | Ç                                  | Q<br>K                | Day          |
|--------------|--------------------|--|-------------------------|--------------------------|----------------|------------------|----------------|--------------------------|-------------------------|-------------------------|------------------------|------------------|-----------------|------------------------------------|-----------------------|--------------|
| S 1          | 2 36 55            | 7 <b>M</b> L31'03                        | 6≈41                    | 27 <b>M</b> 35           | 23 Mp 9        | 13 Mp 6          | 16 <b>N</b> 18 | 9 <b>m</b> 18            | 27°R48                  | 11 <b>12</b> 9          | 7°R41                  | 24°R57           | 25 <b>M</b> 37  | 1 <b>√</b> 16                      | 3°R19                 | S 1          |
| S 2          | 2 40 52            | 8°31'06                                  | 19°27                   | 28°56                    | 23°55          | 13°41            | 16°24          | 9°23                     | 27 <b>≈</b> 47          | 11°30                   | 79540                  | 24 <b>M</b> 57   | 25°34           | 1°23                               | 3 <b>Ƴ</b> 17         | S 2          |
| M 3          | 2 44 49            | 9°31'10                                  | 2 <b>)</b> (36          | 0 <b>才</b> 16            | 24°42          | 14°16            | 16°30          | 9°28                     | 27°47                   | 11°30                   | 7°40                   | 24°56            | 25°31           | 1°29                               | 3°15                  | M 3          |
| T 4          | 2 48 45            | 10°31'16                                 | 16°13                   | 1°35                     | 25°30          | 14°52            | 16°36          | 9°33                     | 27°47                   | 11°31                   | 7°39                   | 24°54            | 25°27           | 1°36                               | 3°12                  | T 4          |
| W 5<br>T 6   | 2 52 42<br>2 56 38 | 11°31'23<br>12°31'32                     | 0 <b>Υ</b> 18<br>14°49  | 2°53<br>4°10             | 26°19<br>27° 9 | 15°27<br>16° 2   | 16°41<br>16°47 | 9°37<br>9°42             | 27°47<br>27°47          | 11°31<br>11°31          | 7°39<br>7°38           | 24°52<br>24°51   | 25°24<br>25°21  | 1°42<br>1°49                       | 3°10<br>3° 9          | W 5<br>T 6   |
| T 6<br>F 7   | 3 0 35             | 12°31'32<br>13°31'43                     | 29°41                   | 5°25                     | 27°59          | 16° 2            | 16°47<br>16°52 | 9°42<br>9°47             | 27°47<br>27°47          | 11°31                   | 7°37                   | 24°51<br>24°49   | 25°18           | 1°56                               | 3° 7                  | F 7          |
| S 8          | 3 431              | 14°31'55                                 | 14847                   | 6°38                     | 28°50          | 17°12            | 16°57          | 9°52                     | 27°D47                  | 11°32                   | 7°37                   | 24°49            | 25°15           | 2° 2                               | 3° 5                  | S 8          |
| S 9          | 3 8 28             | 15°32'09                                 | 29°58                   | 7°50                     | 29°42          | 17°47            | 17° 2          | 9°56                     | 27°47                   | 11°32                   | 7°36                   | 24°D49           | 25°11           | 2° 9                               | 3° 3                  | S 9          |
| M10          | 3 12 24            | 16°32'25                                 | 15 <b>II</b> 5          | 8°59                     | 0 <b>ჲ</b> 35  | 18°22            | 17° 7          | 10° 1                    | 27°47                   | 11°32                   | 7°35                   | 24°49            | 25° 8           | 2°16                               | 3° 1                  | M10          |
| T 11         | 3 16 21            | 17°32'43                                 | 29°58                   | 10° 6                    | 1°28           | 18°56            | 17°12          | 10° 5                    | 27°47                   | 11°32                   | 7°35                   | 24°50            | 25° 5           | 2°22                               | 2°59                  | T 11         |
| W12          | 3 20 18            | 18°33'03                                 | 149532                  | 11°11                    | 2°23           | 19°31            | 17°16          | 10° 9                    | 27°47                   | 11°33                   | 7°34                   | 24°50            | 25° 2           | 2°29                               | 2°58                  | W12          |
| T 13         | 3 24 14            | 19°33'25                                 | 28°42                   | 12°13                    | 3°17           | 20° 6            | 17°20          | 10°13                    | 27°47                   | 11°33                   | 7°33                   | 24°51            | 24°59           | 2°36                               | 2°56                  | T 13         |
| F 14<br>S 15 | 3 28 11<br>3 32 7  | 20°33'48<br>21°34'14                     | 12 <b>Ω</b> 28<br>25°49 | 13°11<br>14° 6           | 4°13<br>5° 9   | 20°40<br>21°15   | 17°25<br>17°28 | 10°18<br>10°22           | 27°47<br>27°48          | 11°33<br>11°R33         | 7°32<br>7°32           | 24°51<br>24°R51  | 24°56<br>24°52  | 2°42<br>2°49                       | 2°54<br>2°53          | F 14<br>S 15 |
|              |                    |  |                         |                          |                |                  |                |                          |                         |                         |                        |                  |                 |                                    |                       |              |
| S 16<br>M17  | 3 36 4<br>3 40 0   | 22°34'41<br>23°35'11                     | 8 Mp 47<br>21°27        | 14°56<br>15°42           | 6° 5<br>7° 3   | 21°49<br>22°24   | 17°32<br>17°36 | 10°26<br>10°29           | 27°48<br>27°49          | 11°33<br>11°33          | 7°31<br>7°30           | 24°51<br>24°51   | 24°49<br>24°46  | 2°56<br>3° 2                       | 2°51<br>2°50          | S 16<br>M17  |
| T 18         | 3 40 0             | 23°35'11<br>24°35'42                     | 3 <u>₽</u> 50           | 16°23                    | 8° 0           | 22°58            | 17°39          | 10°29                    | 27°49                   | 11°33                   | 7°29                   | 24°D51           | 24°43           | 3° 9                               | 2°48                  | T 18         |
| W19          | 3 47 53            | 25°36'15                                 | 16° 0                   | 16°57                    | 8°59           | 23°32            | 17°42          | 10°37                    | 27°50                   | 11°32                   | 7°28                   | 24°51            | 24°40           | 3°16                               | 2°47                  | W19          |
| T 20         | 3 51 50            | 26°36'49                                 | 28° 1                   | 17°25                    | 9°57           | 24° 6            | 17°46          | 10°40                    | 27°50                   | 11°32                   | 7°27                   | 24°51            | 24°37           | 3°22                               | 2°46                  | T 20         |
| F 21         | 3 55 47            | 27°37'26                                 | 9 <b>M</b> .55          | 17°46                    | 10°57          | 24°40            | 17°48          | 10°44                    | 27°51                   | 11°32                   | 7°27                   | 24°51            | 24°33           | 3°29                               | 2°44                  | F 21         |
| S 22         | 3 59 43            | 28°38'04                                 | 21°45                   | 17°58                    | 11°56          | 25°14            | 17°51          | 10°47                    | 27°52                   | 11°32                   | 7°26                   | 24°R51           | 24°30           | 3°35                               | 2°43                  | S 22         |
| S 23         | 4 3 40             | 29°38'43                                 | 3 <b>₹</b> 32           | 18°R 2                   | 12°57          | 25°48            | 17°54          | 10°51                    | 27°52                   | 11°32                   | 7°25                   | 24°51            | 24°27           | 3°42                               | 2°42                  | S 23         |
| M24          | 4 7 36             | 0 <b>,₹</b> 39'24                        | 15°20                   | 17°56                    | 13°57          | 26°22            | 17°56          | 10°54                    | 27°53                   | 11°31                   | 7°24                   | 24°51            | 24°24           | 3°49                               | 2°41                  | M24          |
| T 25         | 4 11 33            | 1°40'06                                  | 27° 9                   | 17°40                    | 14°58          | 26°56            | 17°58          | 10°57                    | 27°54                   | 11°31                   | 7°23                   | 24°50            | 24°21           | 3°55                               | 2°40                  | T 25         |
| W26          | 4 15 29            | 2°40'49                                  | 9 <b>궁</b> 3            | 17°13                    | 16° 0          | 27°29            | 18° 0          | 11° 0                    | 27°55                   | 11°31                   | 7°22                   | 24°49            | 24°17           | 4° 2                               | 2°38                  | W26          |
| T 27         | 4 19 26            | 3°41'34                                  | 21° 4                   | 16°35                    | 17° 1          | 28° 3            | 18° 2          | 11° 3                    | 27°56                   | 11°30                   | 7°21                   | 24°48            | 24°14           | 4° 9                               | 2°37                  | T 27         |
| F 28<br>S 29 | 4 23 22<br>4 27 19 | 4°42'20<br>5°43'06                       | 3 <b>≈</b> 16<br>15°40  | 15°46<br>14°47           | 18° 4<br>19° 6 | 28°36<br>29°10   | 18° 3<br>18° 5 | 11° 6<br>11° 8           | 27°57<br>27°58          | 11°30<br>11°29          | 7°20<br>7°19           | 24°47<br>24°45   | 24°11<br>24° 8  | 4°15<br>4°22                       | 2°37<br>2°36          | F 28<br>S 29 |
| S 30         | 4 31 16            | 5 43 00<br>6 <b>×</b> <sup>7</sup> 43'54 | 28 <b>≈</b> 22          | 14 47<br>13 <b>×7</b> 40 | 20 <b>£</b> 9  | 29 10<br>29 m 43 | $18\Omega$ 6   | 11 8<br>11 <b>m</b> b 11 | 27 38<br>27 <b>≈</b> 59 | 11 29<br>11 <b>Ω</b> 29 | 7 19<br>7 <b>9</b> 318 | 24 43<br>24 ML45 | 24 8<br>24 ML 5 | 4 22<br>4 <b>×</b> <sup>7</sup> 29 | 2 36<br>2 <b>Υ</b> 35 | S 30         |
| 3 30         | 4 31 10            | 0 <b>x</b> ·43 34                        | ∠0≈∠∠                   | 138.40                   | ∠0 <b>==</b> 9 | 49 JU 43         | 1006 0         | וועוווו                  | ∠1 <b>≈</b> 39          | 110629                  | /=918                  | 2411643          | 24IIL 3         | 4 <b>X</b> ·29                     | 4133                  | 3 30         |

Delta T = 21.51 sec

DECEMBER 1919 00:00 UT

| Day  | Sid.t   | $\odot$          | D                      | ğ              | φ              | ð             | 4             | ħ              | )f(   | ¥               | Р     | ₽.             | Ω     | Ç              | ę,            | Day  |
|------|---------|------------------|------------------------|----------------|----------------|---------------|---------------|----------------|-------|-----------------|-------|----------------|-------|----------------|---------------|------|
| M 1  | 4 35 12 | 7 <b>√</b> 44'42 | 11 <b>)</b> 24         | 12°R25         | 21 <b>≏</b> 13 | 0 <b>ჲ</b> 16 | 18 <b>Ω</b> 7 | 11 <b>m</b> 13 | 28≈ 0 | 11°R28          | 7°R17 | 24°D45         | 24M 2 | 4 <b>₹</b> 35  | 2°R34         | M 1  |
| T 2  | 4 39 9  | 8°45'32          | 24°50                  | 11 <b>×7</b> 5 | 22°16          | 0°49          | 18° 7         | 11°16          | 28° 1 | 11 <b>\O</b> 28 | 79916 | 24 <b>M</b> 45 | 23°58 | 4°42           | 2 <b>Y</b> 33 | T 2  |
| W 3  | 4 43 5  | 9°46'22          | 8 <b>Ƴ</b> 41          | 9°42           | 23°20          | 1°22          | 18° 8         | 11°18          | 28° 2 | 11°27           | 7°15  | 24°46          | 23°55 | 4°49           | 2°33          | W 3  |
| T 4  | 4 47 2  | 10°47'13         | 22°59                  | 8°20           | 24°25          | 1°55          | 18° 8         | 11°20          | 28° 4 | 11°27           | 7°14  | 24°47          | 23°52 | 4°55           | 2°32          | T 4  |
| F 5  | 4 50 58 | 11°48'05         | 7 <b>8</b> 40          | 7° 1           | 25°29          | 2°28          | 18°R 9        | 11°22          | 28° 5 | 11°26           | 7°13  | 24°48          | 23°49 | 5° 2           | 2°31          | F 5  |
| S 6  | 4 54 55 | 12°48'58         | 22°40                  | 5°47           | 26°34          | 3° 1          | 18° 9         | 11°24          | 28° 6 | 11°25           | 7°12  | 24°R49         | 23°46 | 5° 9           | 2°31          | S 6  |
| S 7  | 4 58 51 | 13°49'52         | 7∏52                   | 4°41           | 27°39          | 3°34          | 18° 8         | 11°26          | 28° 8 | 11°25           | 7°10  | 24°49          | 23°43 | 5°15           | 2°30          | S 7  |
| M 8  | 5 2 48  | 14°50'47         | 23° 7                  | 3°45           | 28°45          | 4° 6          | 18° 8         | 11°28          | 28° 9 | 11°24           | 7° 9  | 24°47          | 23°39 | 5°22           | 2°30          | M 8  |
| T 9  | 5 6 45  | 15°51'43         | 8 <b>9</b> 513         | 2°59           | 29°50          | 4°38          | 18° 7         | 11°29          | 28°11 | 11°23           | 7° 8  | 24°45          | 23°36 | 5°28           | 2°30          | T 9  |
| W10  | 5 10 41 | 16°52'40         | 23° 3                  | 2°24           | 0 <b>M</b> .56 | 5°11          | 18° 6         | 11°31          | 28°12 | 11°22           | 7° 7  | 24°42          | 23°33 | 5°35           | 2°29          | W10  |
| T 11 | 5 14 38 | 17°53'38         | $7\Omega_{29}$         | 2° 1           | 2° 3           | 5°43          | 18° 5         | 11°32          | 28°14 | 11°21           | 7° 6  | 24°39          | 23°30 | 5°42           | 2°29          | T 11 |
| F 12 | 5 18 34 | 18°54'37         | 21°27                  | 1°49           | 3° 9           | 6°15          | 18° 4         | 11°34          | 28°16 | 11°21           | 7° 5  | 24°36          | 23°27 | 5°48           | 2°29          | F 12 |
| S 13 | 5 22 31 | 19°55'37         | 4 <b>m</b> ) 57        | 1°D47          | 4°16           | 6°47          | 18° 3         | 11°35          | 28°17 | 11°20           | 7° 4  | 24°34          | 23°23 | 5°55           | 2°29          | S 13 |
| S 14 | 5 26 27 | 20°56'38         | 17°59                  | 1°55           | 5°23           | 7°19          | 18° 1         | 11°36          | 28°19 | 11°19           | 7° 2  | 24°D33         | 23°20 | 6° 2           | 2°29          | S 14 |
| M15  | 5 30 24 | 21°57'41         | ე <u>თ</u> 38          | 2°13           | 6°30           | 7°51          | 17°59         | 11°37          | 28°21 | 11°18           | 7° 1  | 24°33          | 23°17 | 6° 8           | 2°D29         | M15  |
| T 16 | 5 34 20 | 22°58'44         | 12°57                  | 2°39           | 7°38           | 8°22          | 17°58         | 11°38          | 28°23 | 11°17           | 7° 0  | 24°34          | 23°14 | 6°15           | 2°29          | T 16 |
| W17  | 5 38 17 | 23°59'48         | 25° 1                  | 3°12           | 8°45           | 8°54          | 17°55         | 11°39          | 28°25 | 11°16           | 6°59  | 24°36          | 23°11 | 6°22           | 2°29          | W17  |
| T 18 | 5 42 14 | 25° 0'53         | 6 <b>M</b> 55          | 3°52           | 9°53           | 9°25          | 17°53         | 11°39          | 28°27 | 11°15           | 6°58  | 24°38          | 23° 8 | 6°28           | 2°29          | T 18 |
| F 19 | 5 46 10 | 26° 1'59         | 18°44                  | 4°38           | 11° 1          | 9°57          | 17°50         | 11°40          | 28°29 | 11°14           | 6°57  | 24°R39         | 23° 4 | 6°35           | 2°29          | F 19 |
| S 20 | 5 50 7  | 27° 3'06         | 0 <b>₮</b> 30          | 5°29           | 12°10          | 10°28         | 17°48         | 11°40          | 28°31 | 11°13           | 6°55  | 24°39          | 23° 1 | 6°42           | 2°29          | S 20 |
| S 21 | 5 54 3  | 28° 4'13         | 12°17                  | 6°24           | 13°18          | 10°59         | 17°45         | 11°41          | 28°33 | 11°11           | 6°54  | 24°37          | 22°58 | 6°48           | 2°30          | S 21 |
| M22  | 5 58 0  | 29° 5'21         | 24° 8                  | 7°24           | 14°27          | 11°30         | 17°42         | 11°41          | 28°35 | 11°10           | 6°53  | 24°34          | 22°55 | 6°55           | 2°30          | M22  |
| T 23 | 6 1 56  | 0중 6'30          | 6 <b>ප</b> 5           | 8°28           | 15°36          | 12° 0         | 17°38         | 11°R41         | 28°37 | 11° 9           | 6°52  | 24°29          | 22°52 | 7° 2           | 2°30          | T 23 |
| W24  | 6 5 53  | 1° 7'39          | 18° 8                  | 9°34           | 16°45          | 12°31         | 17°35         | 11°41          | 28°39 | 11°8            | 6°51  | 24°22          | 22°49 | 7° 8           | 2°31          | W24  |
| T 25 | 6 9 49  | 2° 8'48          | 0≈21                   | 10°43          | 17°54          | 13° 1         | 17°31         | 11°41          | 28°41 | 11° 7           | 6°49  | 24°15          | 22°45 | 7°15           | 2°31          | T 25 |
| F 26 | 6 13 46 | 3° 9'57          | 12°43                  | 11°55          | 19° 3          | 13°32         | 17°27         | 11°40          | 28°44 | 11° 6           | 6°48  | 24° 8          | 22°42 | 7°22           | 2°32          | F 26 |
| S 27 | 6 17 43 | 4°11'07          | 25°17                  | 13° 9          | 20°12          | 14° 2         | 17°23         | 11°40          | 28°46 | 11° 4           | 6°47  | 24° 1          | 22°39 | 7°28           | 2°33          | S 27 |
| S 28 | 6 21 39 | 5°12'16          | 8 <b>∺</b> 3           | 14°25          | 21°22          | 14°32         | 17°19         | 11°40          | 28°48 | 11° 3           | 6°46  | 23°56          | 22°36 | 7°35           | 2°33          | S 28 |
| M29  | 6 25 36 | 6°13'26          | 21° 6                  | 15°42          | 22°32          | 15° 2         | 17°14         | 11°39          | 28°51 | 11° 2           | 6°44  | 23°53          | 22°33 | 7°41           | 2°34          | M29  |
| T 30 | 6 29 32 | 7°14'35          | $4\mathbf{\Upsilon}25$ | 17° 1          | 23°41          | 15°32         | 17°10         | 11°38          | 28°53 | 11° 0           | 6°43  | 23°D52         | 22°29 | 7°48           | 2°35          | T 30 |
| W31  | 6 33 29 | 8 <b>궁</b> 15'44 | 18 <b>Y</b> 5          | 18 <b>~</b> 21 | 24ML51         | 16 <b>♀</b> 1 | 17 <b>Ω</b> 5 | 11 <b>m</b> 38 | 28≈56 | 10 <b>Ω</b> 59  | 69542 | 23 <b>M</b> 52 | 22M26 | 7 <b>,₹</b> 55 | 2 <b>Y</b> 36 | W31  |

Delta T = 21.56 sec

JANUARY 1920 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ               | φ              | ♂              | 4              | ħ              | )∤(           | ¥              | Р     | n              | ß              | Ç              | Ş,            | Day  |
|------|---------|------------------|----------------|-----------------|----------------|----------------|----------------|----------------|---------------|----------------|-------|----------------|----------------|----------------|---------------|------|
| T 1  | 6 37 25 | 9 <b>ට</b> 16'53 | 2 <b>8</b> 5   | 19 <b>×</b> 743 | 26M 2          | 16 <b>₽</b> 30 | 17°R 0         | 11°R37         | 28≈58         | 10°R58         | 6°R41 | 23M53          | 22M23          | 8 <b>%</b> 1   | 2 <b>Υ</b> 37 | T 1  |
| F 2  | 6 41 22 | 10°18'02         | 16°26          | 21° 5           | 27°12          | 17° 0          | 16 <b>Ω</b> 55 | 11 <b>m</b> 36 | 29° 1         | 10 <b>Ω</b> 56 | 6939  | 23°R54         | 22°20          | 8° 8           | 2°38          | F 2  |
| S 3  | 6 45 18 | 11°19'11         | 1 <b>I</b> 6   | 22°29           | 28°22          | 17°29          | 16°50          | 11°35          | 29° 3         | 10°55          | 6°38  | 23°54          | 22°17          | 8°15           | 2°39          | S 3  |
| S 4  | 6 49 15 | 12°20'20         | 16° 1          | 23°53           | 29°33          | 17°58          | 16°44          | 11°33          | 29° 6         | 10°53          | 6°37  | 23°53          | 22°14          | 8°21           | 2°40          | S 4  |
| M 5  | 6 53 12 | 13°21'28         | 199 3          | 25°18           | 0 <b>∡</b> 743 | 18°26          | 16°39          | 11°32          | 29° 8         | 10°52          | 6°36  | 23°48          | 22°10          | 8°28           | 2°41          | M 5  |
| T 6  | 6 57 8  | 14°22'36         | 16° 5          | 26°44           | 1°54           | 18°55          | 16°33          | 11°31          | 29°11         | 10°51          | 6°35  | 23°42          | 22° 7          | 8°35           | 2°42          | T 6  |
| W 7  | 7 1 5   | 15°23'44         | 0 <b>Ω</b> 55  | 28°11           | 3° 5           | 19°23          | 16°27          | 11°29          | 29°14         | 10°49          | 6°33  | 23°34          | 22° 4          | 8°41           | 2°43          | W 7  |
| T 8  | 7 5 1   | 16°24'53         | 15°27          | 29°38           | 4°16           | 19°51          | 16°21          | 11°27          | 29°16         | 10°48          | 6°32  | 23°25          | 22° 1          | 8°48           | 2°44          | T 8  |
| F 9  | 7 8 58  | 17°26'01         | 29°34          | 1පි 6           | 5°27           | 20°19          | 16°15          | 11°26          | 29°19         | 10°46          | 6°31  | 23°16          | 21°58          | 8°55           | 2°46          | F 9  |
| S 10 | 7 12 54 | 18°27'08         | 13 <b>M</b> 12 | 2°35            | 6°38           | 20°47          | 16° 9          | 11°24          | 29°22         | 10°45          | 6°30  | 23° 9          | 21°55          | 9° 1           | 2°47          | S 10 |
| S 11 | 7 16 51 | 19°28'16         | 26°21          | 4° 4            | 7°49           | 21°15          | 16° 3          | 11°22          | 29°25         | 10°43          | 6°29  | 23° 4          | 21°51          | 9° 8           | 2°49          | S 11 |
| M12  | 7 20 47 | 20°29'24         | 9 <b>º</b> 5   | 5°34            | 9° 0           | 21°42          | 15°56          | 11°20          | 29°28         | 10°41          | 6°27  | 23° 1          | 21°48          | 9°15           | 2°50          | M12  |
| T 13 | 7 24 44 | 21°30'32         | 21°27          | 7° 4            | 10°12          | 22° 9          | 15°49          | 11°18          | 29°31         | 10°40          | 6°26  | 23°D 1         | 21°45          | 9°21           | 2°52          | T 13 |
| W14  | 7 28 41 | 22°31'40         | 3 <b>M</b> .31 | 8°34            | 11°23          | 22°37          | 15°43          | 11°15          | 29°33         | 10°38          | 6°25  | 23° 1          | 21°42          | 9°28           | 2°53          | W14  |
| T 15 | 7 32 37 | 23°32'47         | 15°25          | 10° 6           | 12°35          | 23° 3          | 15°36          | 11°13          | 29°36         | 10°37          | 6°24  | 23° 2          | 21°39          | 9°35           | 2°55          | T 15 |
| F 16 | 7 36 34 | 24°33'55         | 27°12          | 11°38           | 13°46          | 23°30          | 15°29          | 11°10          | 29°39         | 10°35          | 6°23  | 23°R 2         | 21°35          | 9°41           | 2°56          | F 16 |
| S 17 | 7 40 30 | 25°35'02         | 8 <b>₹</b> 58  | 13°10           | 14°58          | 23°56          | 15°22          | 11°8           | 29°42         | 10°34          | 6°22  | 23° 1          | 21°32          | 9°48           | 2°58          | S 17 |
| S 18 | 7 44 27 | 26°36'09         | 20°47          | 14°43           | 16°10          | 24°22          | 15°15          | 11° 5          | 29°45         | 10°32          | 6°20  | 22°57          | 21°29          | 9°55           | 3° 0          | S 18 |
| M19  | 7 48 23 | 27°37'16         | 2 <b>ප</b> 43  | 16°16           | 17°22          | 24°48          | 15° 7          | 11° 2          | 29°48         | 10°30          | 6°19  | 22°50          | 21°26          | 10° 1          | 3° 2          | M19  |
| T 20 | 7 52 20 | 28°38'22         | 14°48          | 17°50           | 18°34          | 25°14          | 15° 0          | 11° 0          | 29°51         | 10°29          | 6°18  | 22°41          | 21°23          | 10° 8          | 3° 4          | T 20 |
| W21  | 7 56 17 | 29°39'27         | 27° 5          | 19°24           | 19°46          | 25°39          | 14°53          | 10°57          | 29°54         | 10°27          | 6°17  | 22°29          | 21°20          | 10°14          | 3° 5          | W21  |
| T 22 | 8 0 13  | 0≈40'32          | 9≈33           | 20°59           | 20°58          | 26° 4          | 14°45          | 10°54          | 29°58         | 10°25          | 6°16  | 22°16          | 21°16          | 10°21          | 3° 7          | T 22 |
| F 23 | 8 4 10  | 1°41'36          | 22°13          | 22°35           | 22°10          | 26°29          | 14°37          | 10°51          | 0 <b>∺</b> 1  | 10°24          | 6°15  | 22° 3          | 21°13          | 10°28          | 3° 9          | F 23 |
| S 24 | 8 8 6   | 2°42'39          | 5 <b>¥</b> 5   | 24°11           | 23°22          | 26°54          | 14°30          | 10°47          | 0° 4          | 10°22          | 6°14  | 21°51          | 21°10          | 10°34          | 3°12          | S 24 |
| S 25 | 8 12 3  | 3°43'42          | 18° 8          | 25°48           | 24°34          | 27°18          | 14°22          | 10°44          | 0° 7          | 10°20          | 6°13  | 21°41          | 21° 7          | 10°41          | 3°14          | S 25 |
| M26  | 8 15 59 | 4°44'43          | 1 <b>Υ</b> 22  | 27°25           | 25°47          | 27°42          | 14°14          | 10°41          | 0°10          | 10°19          | 6°12  | 21°34          | 21° 4          | 10°48          | 3°16          | M26  |
| T 27 | 8 19 56 | 5°45'43          | 14°48          | 29° 3           | 26°59          | 28° 6          | 14° 6          | 10°37          | 0°13          | 10°17          | 6°11  | 21°30          | 21° 1          | 10°54          | 3°18          | T 27 |
| W28  | 8 23 52 | 6°46'42          | 28°27          | 0≈42            | 28°12          | 28°30          | 13°59          | 10°34          | 0°17          | 10°15          | 6°10  | 21°29          | 20°57          | 11° 1          | 3°20          | W28  |
| T 29 | 8 27 49 | 7°47'40          | 12818          | 2°21            | 29°24          | 28°53          | 13°51          | 10°30          | 0°20          | 10°14          | 6° 8  | 21°D28         | 20°54          | 11°8           | 3°22          | T 29 |
| F 30 | 8 31 45 | 8°48'36          | 26°23          | 4° 1            | 0 <b>궁</b> 37  | 29°16          | 13°43          | 10°27          | 0°23          | 10°12          | 6° 7  | 21°R28         | 20°51          | 11°14          | 3°25          | F 30 |
| S 31 | 8 35 42 | 9≈49'31          | 10 <b>Ⅱ</b> 42 | 5≈42            | 1 <b>る</b> 49  | 29 <b>॒</b> 38 | 13 <b>N</b> 35 | 10 <b>m</b> 23 | 0 <b>∺</b> 26 | 10 <b>Ω</b> 10 | 69 6  | 21 <b>M</b> 27 | 20 <b>M</b> 48 | 11 <b>~</b> 21 | 3 <b>℃</b> 27 | S 31 |

Delta T = 21.61 sec

FEBRUARY 1920 00:00 UT

| Day  | Sid.t    | 0               | )               | ğ              | φ     | δ             | 4              | ħ              | ¥             | ¥             | Р            | r               | Ω               | Ç              | Š            | Day  |
|------|----------|-----------------|-----------------|----------------|-------|---------------|----------------|----------------|---------------|---------------|--------------|-----------------|-----------------|----------------|--------------|------|
| S 1  | 8 39 39  | 10≈50'25        | 25耳12           | 7≈23           | 3중 2  | OM 1          | 13°R27         | 10°R19         | 0 <b>∺</b> 30 | 10°R 9        | 6°R 5        | 21°R24          | 20 <b>M</b> 45  | 11 <b>×</b> 28 | <b>3</b> Υ29 | S 1  |
| M 2  | 8 43 35  | 11°51'18        | 99549           | 9° 5           | 4°14  | 0°23          | 13 <b>Ω</b> 19 | 10 <b>m</b> 15 | 0°33          | 10 <b>0</b> 7 | 6 <b>9</b> 5 | 21 <b>M</b> .18 | 20°41           | 11°34          | 3°32         | M 2  |
| T 3  | 8 47 32  | 12°52'10        | 24°28           | 10°48          | 5°27  | 0°44          | 13°11          | 10°11          | 0°36          | 10° 5         | 6° 4         | 21° 8           | 20°38           | 11°41          | 3°34         | T 3  |
| W 4  | 8 51 28  | 13°53'00        | 9Ω 1            | 12°31          | 6°40  | 1° 6          | 13° 3          | 10° 7          | 0°40          | 10° 3         | 6° 3         | 20°57           | 20°35           | 11°48          | 3°37         | W 4  |
| T 5  | 8 55 25  | 14°53'49        | 23°21           | 14°16          | 7°53  | 1°27          | 12°55          | 10° 3          | 0°43          | 10° 2         | 6° 2         | 20°45           | 20°32           | 11°54          | 3°39         | T 5  |
| F 6  | 8 59 21  | 15°54'37        | 7 <b>™</b> 22   | 16° 1          | 9° 5  | 1°47          | 12°47          | 9°59           | 0°46          | 10° 0         | 6° 1         | 20°32           | 20°29           | 12° 1          | 3°42         | F 6  |
| S 7  | 9 3 18   | 16°55'24        | 20°59           | 17°46          | 10°18 | 2° 8          | 12°39          | 9°55           | 0°50          | 9°58          | 6° 0         | 20°22           | 20°26           | 12° 8          | 3°45         | S 7  |
| S 8  | 9 7 15   | 17°56'09        | 4 <b>₽</b> 11   | 19°33          | 11°31 | 2°28          | 12°31          | 9°51           | 0°53          | 9°57          | 5°59         | 20°13           | 20°22           | 12°14          | 3°47         | S 8  |
| M 9  | 9 11 11  | 18°56'54        | 16°57           | 21°20          | 12°44 | 2°47          | 12°23          | 9°46           | 0°57          | 9°55          | 5°58         | 20° 8           | 20°19           | 12°21          | 3°50         | M 9  |
| T 10 | 9 15 8   | 19°57'37        | 29°23           | 23° 8          | 13°57 | 3° 7          | 12°15          | 9°42           | 1° 0          | 9°53          | 5°57         | 20° 5           | 20°16           | 12°28          | 3°53         | T 10 |
| W11  | 9 19 4   | 20°58'20        | 11 <b>M</b> 30  | 24°56          | 15°10 | 3°25          | 12° 7          | 9°38           | 1° 3          | 9°52          | 5°56         | 20° 4           | 20°13           | 12°34          | 3°55         | W11  |
| T 12 | 9 23 1   | 21°59'01        | 23°25           | 26°45          | 16°23 | 3°44          | 12° 0          | 9°33           | 1° 7          | 9°50          | 5°56         | 20° 4           | 20°10           | 12°41          | 3°58         | T 12 |
| F 13 | 9 26 57  | 22°59'42        | 5 <b>₹</b> 14   | 28°34          | 17°36 | 4° 2          | 11°52          | 9°29           | 1°10          | 9°48          | 5°55         | 20° 3           | 20° 7           | 12°48          | 4° 1         | F 13 |
| S 14 | 9 30 54  | 24° 0'21        | 17° 2           | 0 <b>∺</b> 24  | 18°49 | 4°20          | 11°44          | 9°24           | 1°14          | 9°47          | 5°54         | 20° 2           | 20° 3           | 12°54          | 4° 4         | S 14 |
| S 15 | 9 34 50  | 25° 0'59        | 28°53           | 2°15           | 20° 2 | 4°37          | 11°37          | 9°20           | 1°17          | 9°45          | 5°53         | 19°58           | 20° 0           | 13° 1          | 4° 7         | S 15 |
| M16  | 9 38 47  | 26° 1'36        | 10る54           | 4° 5           | 21°16 | 4°54          | 11°29          | 9°15           | 1°21          | 9°44          | 5°53         | 19°51           | 19°57           | 13° 7          | 4°10         | M16  |
| T 17 | 9 42 44  | 27° 2'12        | 23° 7           | 5°56           | 22°29 | 5°10          | 11°21          | 9°10           | 1°24          | 9°42          | 5°52         | 19°41           | 19°54           | 13°14          | 4°13         | T 17 |
| W18  | 9 46 40  | 28° 2'46        | 5≈34            | 7°46           | 23°42 | 5°26          | 11°14          | 9° 6           | 1°27          | 9°40          | 5°51         | 19°29           | 19°51           | 13°21          | 4°16         | W18  |
| T 19 | 9 50 37  | 29° 3'18        | 18°18           | 9°37           | 24°55 | 5°41          | 11° 7          | 9° 1           | 1°31          | 9°39          | 5°51         | 19°16           | 19°47           | 13°27          | 4°19         | T 19 |
| F 20 | 9 54 33  | 0 <b>米</b> 3′50 | 1 <b>) (</b> 17 | 11°26          | 26° 9 | 5°56          | 11° 0          | 8°56           | 1°34          | 9°37          | 5°50         | 19° 2           | 19°44           | 13°34          | 4°22         | F 20 |
| S 21 | 9 58 30  | 1° 4'19         | 14°31           | 13°15          | 27°22 | 6°11          | 10°52          | 8°51           | 1°38          | 9°36          | 5°49         | 18°50           | 19°41           | 13°41          | 4°25         | S 21 |
| S 22 | 10 2 26  | 2° 4'47         | 27°58           | 15° 3          | 28°35 | 6°24          | 10°45          | 8°47           | 1°41          | 9°34          | 5°49         | 18°39           | 19°38           | 13°47          | 4°28         | S 22 |
| M23  | 10 6 23  | 3° 5'13         | 11 <b>Y</b> 35  | 16°49          | 29°48 | 6°38          | 10°38          | 8°42           | 1°45          | 9°33          | 5°48         | 18°32           | 19°35           | 13°54          | 4°31         | M23  |
| T 24 | 10 10 19 | 4° 5'37         | 25°20           | 18°33          | 1≈ 2  | 6°51          | 10°32          | 8°37           | 1°48          | 9°31          | 5°47         | 18°27           | 19°32           | 14° 1          | 4°34         | T 24 |
| W25  | 10 14 16 | 5° 6'00         | 9812            | 20°15          | 2°15  | 7° 3          | 10°25          | 8°32           | 1°52          | 9°30          | 5°47         | 18°25           | 19°28           | 14° 7          | 4°37         | W25  |
| T 26 | 10 18 12 | 6° 6'20         | 23°10           | 21°53          | 3°29  | 7°15          | 10°18          | 8°28           | 1°55          | 9°28          | 5°46         | 18°D25          | 19°25           | 14°14          | 4°40         | T 26 |
| F 27 | 10 22 9  | 7° 6'39         | 7 <b>Ⅱ</b> 13   | 23°29          | 4°42  | 7°26          | 10°12          | 8°23           | 1°59          | 9°27          | 5°46         | 18°R26          | 19°22           | 14°21          | 4°43         | F 27 |
| S 28 | 10 26 6  | 8° 6'55         | 21°20           | 25° 0          | 5°55  | 7°37          | 10° 6          | 8°18           | 2° 2          | 9°25          | 5°45         | 18°25           | 19°19           | 14°27          | 4°47         | S 28 |
| S 29 | 10 30 2  | 9 <b>米</b> 7'09 | 5931            | 26 <b>∺</b> 27 | 7≈ 9  | 7 <b>M</b> 47 | 9 <b>Ω</b> 59  | 8 <b>m</b> 13  | 2 <b>∺</b> 5  | 9 <b>Ω</b> 24 | 59345        | 18 <b>M</b> 22  | 19 <b>M</b> .16 | 14 <b>×</b> 34 | <b>4Υ</b> 50 | S 29 |

Delta T = 21.66 sec

MARCH 1920 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ               | ·              | ď             | 4             | ħ             | )f(           | ħ             | Р     | ß             | Ω               | ţ              | ç             | Day  |
|------|----------|------------------|-----------------|-----------------|----------------|---------------|---------------|---------------|---------------|---------------|-------|---------------|-----------------|----------------|---------------|------|
| M 1  | 10 33 59 | 10 <b>¥</b> 7'22 | 199544          | 27 <b>)</b> (48 | 8≈22           | 7 <b>M</b> 57 | 9°R53         | 8°R 8         | 2 <b>∺</b> 9  | 9°R22         | 5°R44 | 18°R17        | 19 <b>M</b> .12 | 14 <b>×</b> 41 | <b>4</b> Υ53  | M 1  |
| T 2  | 10 37 55 | 11° 7'32         | 3 <b>Ω</b> 55   | 29° 4           | 9°36           | 8° 6          | 9 <b>Ω</b> 47 | 8Mp 4         | 2°12          | 9 <b>Ω</b> 21 | 59544 | 18 <b>M</b> 9 | 19° 9           | 14°47          | 4°56          | T 2  |
| W 3  | 10 41 52 | 12° 7'40         | 18° 0           | 0 <b>Υ</b> 13   | 10°49          | 8°15          | 9°42          | 7°59          | 2°16          | 9°20          | 5°44  | 17°59         | 19° 6           | 14°54          | 5° 0          | W 3  |
| T 4  | 10 45 48 | 13° 7'46         | 1 <b>m</b> 55   | 1°15            | 12° 3          | 8°23          | 9°36          | 7°54          | 2°19          | 9°18          | 5°43  | 17°48         | 19° 3           | 15° 1          | 5° 3          | T 4  |
| F 5  | 10 49 45 | 14° 7'50         | 15°36           | 2°10            | 13°16          | 8°30          | 9°30          | 7°49          | 2°23          | 9°17          | 5°43  | 17°38         | 19° 0           | 15° 7          | 5° 6          | F 5  |
| S 6  | 10 53 41 | 15° 7'53         | 28°58           | 2°56            | 14°29          | 8°36          | 9°25          | 7°44          | 2°26          | 9°16          | 5°43  | 17°28         | 18°57           | 15°14          | 5°10          | S 6  |
| S 7  | 10 57 38 | 16° 7'53         | 12 <b>♀</b> 0   | 3°35            | 15°43          | 8°42          | 9°20          | 7°40          | 2°29          | 9°14          | 5°42  | 17°20         | 18°53           | 15°21          | 5°13          | S 7  |
| M 8  | 11 1 35  | 17° 7'52         | 24°43           | 4° 5            | 16°57          | 8°48          | 9°15          | 7°35          | 2°33          | 9°13          | 5°42  | 17°15         | 18°50           | 15°27          | 5°17          | M 8  |
| T 9  | 11 5 31  | 18° 7'49         | 7 <b>M</b> 7    | 4°26            | 18°10          | 8°52          | 9°10          | 7°30          | 2°36          | 9°12          | 5°42  | 17°13         | 18°47           | 15°34          | 5°20          | T 9  |
| W10  | 11 9 28  | 19° 7'44         | 19°15           | 4°38            | 19°24          | 8°56          | 9° 5          | 7°26          | 2°39          | 9°11          | 5°41  | 17°D12        | 18°44           | 15°41          | 5°23          | W10  |
| T 11 | 11 13 24 | 20° 7'38         | 1 <b>才</b> 12   | 4°R41           | 20°37          | 9° 0          | 9° 1          | 7°21          | 2°43          | 9° 9          | 5°41  | 17°13         | 18°41           | 15°47          | 5°27          | T 11 |
| F 12 | 11 17 21 | 21° 7'30         | 13° 2           | 4°36            | 21°51          | 9° 2          | 8°56          | 7°16          | 2°46          | 9° 8          | 5°41  | 17°14         | 18°38           | 15°54          | 5°30          | F 12 |
| S 13 | 11 21 17 | 22° 7'21         | 24°51           | 4°22            | 23° 4          | 9° 4          | 8°52          | 7°12          | 2°49          | 9° 7          | 5°41  | 17°R14        | 18°34           | 16° 1          | 5°34          | S 13 |
| S 14 | 11 25 14 | 23° 7'09         | 6 <b>ප</b> 44   | 4° 0            | 24°18          | 9° 5          | 8°48          | 7° 7          | 2°53          | 9° 6          | 5°41  | 17°13         | 18°31           | 16° 7          | 5°37          | S 14 |
| M15  | 11 29 10 | 24° 6'56         | 18°47           | 3°31            | 25°32          | 9°R 6         | 8°44          | 7° 3          | 2°56          | 9° 5          | 5°40  | 17°10         | 18°28           | 16°14          | 5°41          | M15  |
| T 16 | 11 33 7  | 25° 6'42         | 1≈ 3            | 2°55            | 26°45          | 9° 6          | 8°41          | 6°58          | 2°59          | 9° 4          | 5°40  | 17° 4         | 18°25           | 16°21          | 5°44          | T 16 |
| W17  | 11 37 4  | 26° 6'25         | 13°37           | 2°13            | 27°59          | 9° 5          | 8°37          | 6°54          | 3° 3          | 9° 3          | 5°40  | 16°57         | 18°22           | 16°27          | 5°48          | W17  |
| T 18 | 11 41 0  | 27° 6'07         | 26°30           | 1°26            | 29°12          | 9° 3          | 8°34          | 6°49          | 3° 6          | 9° 2          | 5°40  | 16°49         | 18°18           | 16°34          | 5°51          | T 18 |
| F 19 | 11 44 57 | 28° 5'46         | 9 <b>) (</b> 44 | 0°36            | 0 <b>∺</b> 26  | 9° 0          | 8°31          | 6°45          | 3° 9          | 9° 1          | 5°40  | 16°40         | 18°15           | 16°41          | 5°55          | F 19 |
| S 20 | 11 48 53 | 29° 5'24         | 23°17           | 29 <b>米</b> 43  | 1°40           | 8°57          | 8°28          | 6°41          | 3°12          | 9° 0          | 5°D40 | 16°32         | 18°12           | 16°47          | 5°58          | S 20 |
| S 21 | 11 52 50 | 0 <b>Υ</b> 5'00  | 7 <b>Υ</b> 7    | 28°49           | 2°53           | 8°53          | 8°25          | 6°37          | 3°15          | 8°59          | 5°40  | 16°25         | 18° 9           | 16°54          | 6° 2          | S 21 |
| M22  | 11 56 46 | 1° 4'33          | 21°10           | 27°55           | 4° 7           | 8°48          | 8°22          | 6°32          | 3°19          | 8°58          | 5°40  | 16°20         | 18° 6           | 17° 1          | 6° 5          | M22  |
| T 23 | 12 0 43  | 2° 4'05          | 5 <b>8</b> 21   | 27° 1           | 5°21           | 8°42          | 8°20          | 6°28          | 3°22          | 8°57          | 5°40  | 16°18         | 18° 3           | 17° 7          | 6° 9          | T 23 |
| W24  | 12 4 39  | 3° 3'35          | 19°38           | 26° 9           | 6°34           | 8°36          | 8°18          | 6°24          | 3°25          | 8°56          | 5°40  | 16°D17        | 17°59           | 17°14          | 6°12          | W24  |
| T 25 | 12 8 36  | 4° 3'02          | 3 <b>II</b> 55  | 25°21           | 7°48           | 8°29          | 8°16          | 6°20          | 3°28          | 8°55          | 5°40  | 16°18         | 17°56           | 17°21          | 6°16          | T 25 |
| F 26 | 12 12 32 | 5° 2'27          | 18°10           | 24°36           | 9° 2           | 8°21          | 8°14          | 6°16          | 3°31          | 8°55          | 5°41  | 16°20         | 17°53           | 17°27          | 6°19          | F 26 |
| S 27 | 12 16 29 | 6° 1'49          | 29520           | 23°55           | 10°15          | 8°12          | 8°12          | 6°13          | 3°34          | 8°54          | 5°41  | 16°R20        | 17°50           | 17°34          | 6°23          | S 27 |
| S 28 | 12 20 26 | 7° 1'09          | 16°25           | 23°19           | 11°29          | 8° 3          | 8°11          | 6° 9          | 3°37          | 8°53          | 5°41  | 16°20         | 17°47           | 17°41          | 6°26          | S 28 |
| M29  | 12 24 22 | 8° 0'27          | 0 <b>Ω</b> 23   | 22°48           | 12°42          | 7°53          | 8°10          | 6° 5          | 3°40          | 8°52          | 5°41  | 16°18         | 17°44           | 17°47          | 6°30          | M29  |
| T 30 | 12 28 19 | 8°59'43          | 14°12           | 22°23           | 13°56          | 7°42          | 8° 9          | 6° 1          | 3°43          | 8°52          | 5°41  | 16°14         | 17°40           | 17°54          | 6°33          | T 30 |
| W31  | 12 32 15 | 9 <b>Y</b> 58'56 | 27 <b>Q</b> 51  | 22 <b>)</b> 4   | 15 <b>∺</b> 10 | 7 <b>M</b> 30 | 8 <b>N</b> 8  | 5 <b>m</b> 58 | 3 <b>∺</b> 46 | 8 <b>N</b> 51 | 59642 | 16 <b>M</b> 9 | 17 <b>M</b> 37  | 18 <b>×</b> 1  | 6 <b>Ƴ</b> 37 | W31  |

Delta T = 21.71 sec

APRIL 1920 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | φ              | ð              | 4            | ħ             | )∤(           | ¥             | Р     | ß              | ಬ              | Ç                           | ę,            | Day  |
|------|----------|-------------------|----------------|----------------|----------------|----------------|--------------|---------------|---------------|---------------|-------|----------------|----------------|-----------------------------|---------------|------|
| T 1  | 12 36 12 | 10 <b>Y</b> 58'06 | 11 <b>m</b> 19 | 21°R50         | 16 <b>¥</b> 23 | 7°R18          | 8°R 7        | 5°R54         | 3 <b>∺</b> 49 | 8°R50         | 59642 | 16°R 4         | 17 <b>M</b> 34 | 18 <b>🗷</b> 7               | 6 <b>Υ</b> 40 | T 1  |
| F 2  | 12 40 8  | 11°57'15          | 24°34          | 21 <b>)</b> 42 | 17°37          | 7M 4           | 8 <b>N</b> 7 | 5 <b>m</b> 51 | 3°52          | $8\Omega$ 50  | 5°42  | 15 <b>M</b> 58 | 17°31          | 18°14                       | 6°44          | F 2  |
| S 3  | 12 44 5  | 12°56'21          | 7 <b>≙</b> 34  | 21°D39         | 18°51          | 6°51           | 8° 6         | 5°48          | 3°55          | 8°49          | 5°42  | 15°53          | 17°28          | 18°21                       | 6°47          | S 3  |
| S 4  | 12 48 1  | 13°55'26          | 20°19          | 21°42          | 20° 4          | 6°36           | 8°D 6        | 5°44          | 3°58          | 8°49          | 5°43  | 15°49          | 17°24          | 18°27                       | 6°51          | S 4  |
| M 5  | 12 51 58 | 14°54'28          | 2 <b>M</b> .49 | 21°51          | 21°18          | 6°21           | 8° 6         | 5°41          | 4° 0          | 8°48          | 5°43  | 15°47          | 17°21          | 18°34                       | 6°54          | M 5  |
| T 6  | 12 55 55 | 15°53'29          | 15° 5          | 22° 4          | 22°32          | 6° 5           | 8° 7         | 5°38          | 4° 3          | 8°48          | 5°44  | 15°D46         | 17°18          | 18°41                       | 6°58          | T 6  |
| W 7  | 12 59 51 | 16°52'27          | 27°10          | 22°23          | 23°45          | 5°48           | 8° 7         | 5°35          | 4° 6          | 8°47          | 5°44  | 15°46          | 17°15          | 18°47                       | 7° 1          | W 7  |
| T 8  | 13 3 48  | 17°51'24          | 9 <b>∡</b> 5   | 22°46          | 24°59          | 5°31           | 8° 8         | 5°32          | 4° 9          | 8°47          | 5°44  | 15°48          | 17°12          | 18°54                       | 7° 5          | T 8  |
| F 9  | 13 7 44  | 18°50'19          | 20°56          | 23°14          | 26°13          | 5°13           | 8° 8         | 5°29          | 4°11          | 8°47          | 5°45  | 15°50          | 17° 9          | 19° 1                       | 7° 8          | F 9  |
| S 10 | 13 11 41 | 19°49'12          | 2 <b>ප්</b> 46 | 23°46          | 27°26          | 4°55           | 8°10         | 5°26          | 4°14          | 8°46          | 5°45  | 15°51          | 17° 5          | 19° 7                       | 7°12          | S 10 |
| S 11 | 13 15 37 | 20°48'04          | 14°39          | 24°22          | 28°40          | 4°36           | 8°11         | 5°24          | 4°17          | 8°46          | 5°46  | 15°52          | 17° 2          | 19°14                       | 7°15          | S 11 |
| M12  | 13 19 34 | 21°46'53          | 26°41          | 25° 2          | 29°54          | 4°17           | 8°12         | 5°21          | 4°19          | 8°46          | 5°46  | 15°R52         | 16°59          | 19°21                       | 7°19          | M12  |
| T 13 | 13 23 30 | 22°45'41          | 8≈57           | 25°46          | 1 <b>℃</b> 7   | 3°57           | 8°14         | 5°19          | 4°22          | 8°45          | 5°47  | 15°51          | 16°56          | 19°27                       | 7°22          | T 13 |
| W14  | 13 27 27 | 23°44'27          | 21°31          | 26°33          | 2°21           | 3°36           | 8°15         | 5°16          | 4°24          | 8°45          | 5°47  | 15°49          | 16°53          | 19°34                       | 7°26          | W14  |
| T 15 | 13 31 24 | 24°43'12          | 4 <b>)</b> €26 | 27°24          | 3°34           | 3°16           | 8°17         | 5°14          | 4°27          | 8°45          | 5°48  | 15°47          | 16°49          | 19°41                       | 7°29          | T 15 |
| F 16 | 13 35 20 | 25°41'55          | 17°45          | 28°18          | 4°48           | 2°54           | 8°20         | 5°12          | 4°29          | 8°45          | 5°49  | 15°44          | 16°46          | 19°47                       | 7°32          | F 16 |
| S 17 | 13 39 17 | 26°40'35          | 1 <b>Y</b> 27  | 29°15          | 6° 2           | 2°33           | 8°22         | 5°10          | 4°32          | 8°45          | 5°49  | 15°41          | 16°43          | 19°54                       | 7°36          | S 17 |
| S 18 | 13 43 13 | 27°39'14          | 15°32          | 0 <b>Υ</b> 15  | 7°15           | 2°11           | 8°24         | 5° 8          | 4°34          | 8°45          | 5°50  | 15°39          | 16°40          | 20° 1                       | 7°39          | S 18 |
| M19  | 13 47 10 | 28°37'52          | 29°55          | 1°18           | 8°29           | 1°49           | 8°27         | 5° 6          | 4°36          | 8°45          | 5°51  | 15°37          | 16°37          | 20° 7                       | 7°42          | M19  |
| T 20 | 13 51 6  | 29°36'27          | 14 <b>8</b> 32 | 2°23           | 9°43           | 1°27           | 8°30         | 5° 4          | 4°39          | 8°D45         | 5°51  | 15°D37         | 16°34          | 20°14                       | 7°46          | T 20 |
| W21  | 13 55 3  | 0 <b>8</b> 35'00  | 29°14          | 3°31           | 10°56          | 1° 4           | 8°33         | 5° 2          | 4°41          | 8°45          | 5°52  | 15°37          | 16°30          | 20°21                       | 7°49          | W21  |
| T 22 | 13 58 59 | 1°33'32           | 13 <b>Ⅱ</b> 57 | 4°41           | 12°10          | 0°42           | 8°36         | 5° 1          | 4°43          | 8°45          | 5°53  | 15°38          | 16°27          | 20°27                       | 7°52          | T 22 |
| F 23 | 14 2 56  | 2°32'01           | 28°34          | 5°54           | 13°24          | 0°19           | 8°39         | 4°59          | 4°46          | 8°45          | 5°53  | 15°39          | 16°24          | 20°34                       | 7°56          | F 23 |
| S 24 | 14 6 53  | 3°30'28           | 1399 0         | 7° 9           | 14°37          | 29 <b>≙</b> 57 | 8°43         | 4°58          | 4°48          | 8°45          | 5°54  | 15°40          | 16°21          | 20°41                       | 7°59          | S 24 |
| S 25 | 14 10 49 | 4°28'53           | 27°11          | 8°26           | 15°51          | 29°34          | 8°47         | 4°56          | 4°50          | 8°45          | 5°55  | 15°40          | 16°18          | 20°47                       | 8° 2          | S 25 |
| M26  | 14 14 46 | 5°27'16           | 11 <b>0</b> 7  | 9°46           | 17° 5          | 29°12          | 8°51         | 4°55          | 4°52          | 8°45          | 5°56  | 15°R41         | 16°15          | 20°54                       | 8° 5          | M26  |
| T 27 | 14 18 42 | 6°25'36           | 24°45          | 11° 7          | 18°18          | 28°49          | 8°55         | 4°54          | 4°54          | 8°46          | 5°57  | 15°40          | 16°11          | 21° 1                       | 8° 9          | T 27 |
| W28  | 14 22 39 | 7°23'54           | 8 Mp 8         | 12°31          | 19°32          | 28°27          | 8°59         | 4°53          | 4°56          | 8°46          | 5°57  | 15°39          | 16° 8          | 21° 7                       | 8°12          | W28  |
| T 29 | 14 26 35 | 8°22'11           | 21°14          | 13°56          | 20°45          | 28° 5          | 9° 3         | 4°52          | 4°58          | 8°46          | 5°58  | 15°38          | 16° 5          | 21°14                       | 8°15          | T 29 |
| F 30 | 14 30 32 | 9 <b>8</b> 20'25  | 4 <b>º</b> 6   | 15 <b>℃</b> 24 | 21 <b>Y</b> 59 | 27 <b>≏</b> 43 | 9 <b>N</b> 8 | 4 <b>m</b> 51 | 5 <b>∺</b> 0  | 8 <b>Ω</b> 47 | 59559 | 15 <b>M</b> 38 | 16M 2          | 21 <b>×</b> <sup>7</sup> 21 | 8 <b>Υ</b> 18 | F 30 |

Delta T = 21.76 sec

MAY 1920 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ð              | 4              | ħ             | )Å(           | 卉             | Р            | N.             | v              | ţ               | ç             | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|--------------|----------------|----------------|-----------------|---------------|------|
| S 1  | 14 34 28 | 10818'37         | 16 <b>≏</b> 44 | 16 <b>Y</b> 54 | 23 <b>Y</b> 12 | 27°R22         | 9 <b>Ω</b> 12  | 4°R51         | 5 <b>∺</b> 2  | 8 <b>Ω</b> 47 | 6 <b>9</b> 0 | 15°R37         | 15 <b>M</b> 59 | 21 <b>×</b> 127 | 8 <b>Υ</b> 21 | S 1  |
| S 2  | 14 38 25 | 11°16'48         | 29°10          | 18°25          | 24°26          | 27 <b>♀</b> 0  | 9°17           | 4 Mp 50       | 5° 4          | 8°47          | 6° 1         | 15 <b>M</b> 36 | 15°55          | 21°34           | 8°24          | S 2  |
| M 3  | 14 42 21 | 12°14'57         | 11 <b>M</b> 25 | 19°59          | 25°40          | 26°40          | 9°22           | 4°50          | 5° 6          | 8°48          | 6° 2         | 15°D36         | 15°52          | 21°41           | 8°27          | M 3  |
| T 4  | 14 46 18 | 13°13'04         | 23°31          | 21°34          | 26°53          | 26°19          | 9°28           | 4°49          | 5° 7          | 8°48          | 6° 3         | 15°36          | 15°49          | 21°47           | 8°30          | T 4  |
| W 5  | 14 50 15 | 14°11'09         | 5 <b>₹</b> 29  | 23°11          | 28° 7          | 25°59          | 9°33           | 4°49          | 5° 9          | 8°49          | 6° 4         | 15°36          | 15°46          | 21°54           | 8°33          | W 5  |
| T 6  | 14 54 11 | 15° 9'13         | 17°21          | 24°51          | 29°20          | 25°40          | 9°38           | 4°49          | 5°11          | 8°49          | 6° 5         | 15°R36         | 15°43          | 22° 1           | 8°36          | T 6  |
| F 7  | 14 58 8  | 16° 7'16         | 29°11          | 26°32          | 0 <b>8</b> 34  | 25°21          | 9°44           | 4°D49         | 5°12          | 8°50          | 6° 6         | 15°36          | 15°40          | 22° 7           | 8°39          | F 7  |
| S 8  | 15 2 4   | 17° 5'17         | 11중 1          | 28°15          | 1°48           | 25° 2          | 9°50           | 4°49          | 5°14          | 8°50          | 6° 7         | 15°36          | 15°36          | 22°14           | 8°42          | S 8  |
| S 9  | 15 6 1   | 18° 3'16         | 22°56          | 0 <b>8</b> 0   | 3° 1           | 24°44          | 9°56           | 4°49          | 5°16          | 8°51          | 6° 8         | 15°36          | 15°33          | 22°21           | 8°45          | S 9  |
| M10  | 15 9 57  | 19° 1'14         | 4≈58           | 1°47           | 4°15           | 24°27          | 10° 2          | 4°49          | 5°17          | 8°52          | 6° 9         | 15°36          | 15°30          | 22°27           | 8°48          | M10  |
| T 11 | 15 13 54 | 19°59'11         | 17°12          | 3°36           | 5°28           | 24°10          | 10° 8          | 4°50          | 5°18          | 8°52          | 6°10         | 15°D36         | 15°27          | 22°34           | 8°51          | T 11 |
| W12  | 15 17 50 | 20°57'07         | 29°43          | 5°27           | 6°42           | 23°54          | 10°14          | 4°50          | 5°20          | 8°53          | 6°11         | 15°36          | 15°24          | 22°41           | 8°54          | W12  |
| T 13 | 15 21 47 | 21°55'01         | 12 <b>)</b> 35 | 7°20           | 7°55           | 23°39          | 10°21          | 4°51          | 5°21          | 8°54          | 6°12         | 15°36          | 15°20          | 22°47           | 8°57          | T 13 |
| F 14 | 15 25 44 | 22°52'54         | 25°50          | 9°15           | 9° 9           | 23°24          | 10°28          | 4°51          | 5°23          | 8°55          | 6°13         | 15°37          | 15°17          | 22°54           | 8°59          | F 14 |
| S 15 | 15 29 40 | 23°50'46         | 9 <b>Ƴ</b> 31  | 11°12          | 10°23          | 23°10          | 10°34          | 4°52          | 5°24          | 8°55          | 6°15         | 15°37          | 15°14          | 23° 1           | 9° 2          | S 15 |
| S 16 | 15 33 37 | 24°48'36         | 23°38          | 13°10          | 11°36          | 22°57          | 10°41          | 4°53          | 5°25          | 8°56          | 6°16         | 15°38          | 15°11          | 23° 7           | 9° 5          | S 16 |
| M17  | 15 37 33 | 25°46'25         | 8810           | 15°11          | 12°50          | 22°45          | 10°48          | 4°54          | 5°26          | 8°57          | 6°17         | 15°39          | 15° 8          | 23°14           | 9° 7          | M17  |
| T 18 | 15 41 30 | 26°44'13         | 23° 0          | 17°13          | 14° 3          | 22°33          | 10°56          | 4°55          | 5°27          | 8°58          | 6°18         | 15°R39         | 15° 5          | 23°21           | 9°10          | T 18 |
| W19  | 15 45 26 | 27°42'00         | 8 <b>I</b> 1   | 19°17          | 15°17          | 22°22          | 11° 3          | 4°56          | 5°29          | 8°59          | 6°19         | 15°38          | 15° 1          | 23°27           | 9°13          | W19  |
| T 20 | 15 49 23 | 28°39'45         | 23° 6          | 21°22          | 16°31          | 22°12          | 11°10          | 4°58          | 5°30          | 9° 0          | 6°21         | 15°37          | 14°58          | 23°34           | 9°15          | T 20 |
| F 21 | 15 53 19 | 29°37'29         | 8 <b>9</b> 5   | 23°29          | 17°44          | 22° 3          | 11°18          | 4°59          | 5°31          | 9° 1          | 6°22         | 15°35          | 14°55          | 23°41           | 9°18          | F 21 |
| S 22 | 15 57 16 | 0Д35'12          | 22°51          | 25°37          | 18°58          | 21°54          | 11°26          | 5° 1          | 5°32          | 9° 2          | 6°23         | 15°34          | 14°52          | 23°47           | 9°20          | S 22 |
| S 23 | 16 1 13  | 1°32'52          | 7 <b>Ω</b> 17  | 27°47          | 20°11          | 21°47          | 11°33          | 5° 2          | 5°32          | 9° 3          | 6°24         | 15°32          | 14°49          | 23°54           | 9°23          | S 23 |
| M24  | 16 5 9   | 2°30'31          | 21°20          | 29°57          | 21°25          | 21°40          | 11°41          | 5° 4          | 5°33          | 9° 4          | 6°26         | 15°31          | 14°46          | 24° 1           | 9°25          | M24  |
| T 25 | 16 9 6   | 3°28'09          | 4 <b>m</b> 58  | 2 <b>I</b> 8   | 22°38          | 21°34          | 11°50          | 5° 6          | 5°34          | 9° 5          | 6°27         | 15°D31         | 14°42          | 24° 7           | 9°27          | T 25 |
| W26  | 16 13 2  | 4°25'45          | 18°14          | 4°20           | 23°52          | 21°29          | 11°58          | 5° 8          | 5°35          | 9° 6          | 6°28         | 15°31          | 14°39          | 24°14           | 9°30          | W26  |
| T 27 | 16 16 59 | 5°23'19          | 1 <b>₽</b> 9   | 6°32           | 25° 6          | 21°24          | 12° 6          | 5°10          | 5°36          | 9° 7          | 6°29         | 15°32          | 14°36          | 24°21           | 9°32          | T 27 |
| F 28 | 16 20 55 | 6°20'52          | 13°47          | 8°44           | 26°19          | 21°21          | 12°14          | 5°12          | 5°36          | 9° 9          | 6°31         | 15°34          | 14°33          | 24°27           | 9°34          | F 28 |
| S 29 | 16 24 52 | 7°18'24          | 26° 9          | 10°55          | 27°33          | 21°18          | 12°23          | 5°14          | 5°37          | 9°10          | 6°32         | 15°35          | 14°30          | 24°34           | 9°36          | S 29 |
| S 30 | 16 28 48 | 8°15'55          | 8 <b>M</b> 20  | 13° 6          | 28°46          | 21°16          | 12°32          | 5°16          | 5°37          | 9°11          | 6°33         | 15°36          | 14°26          | 24°41           | 9°39          | S 30 |
| M31  | 16 32 45 | 9 <b>Ⅱ</b> 13'24 | 20 <b>M</b> 23 | 15 <b>Ⅱ</b> 16 | 29 <b>8</b> 59 | 21 <b>≏</b> 15 | 12 <b>N</b> 40 | 5 <b>m</b> 19 | 5 <b>₩</b> 38 | 9Ω12          | 6935         | 15°R36         | 14ML23         | 24 <b>∡</b> 47  | 9 <b>Ƴ</b> 41 | M31  |

Delta T = 21.81 sec

JUNE 1920 00:00 UT

| Day  | Sid.t    | 0                 | D               | ğ              | φ              | ♂              | 4              | ħ             | )f(            | ¥             | Р     | v              | v               | Ç               | Š              | Day  |
|------|----------|-------------------|-----------------|----------------|----------------|----------------|----------------|---------------|----------------|---------------|-------|----------------|-----------------|-----------------|----------------|------|
| T 1  | 16 36 42 | 10 <b>Ⅱ</b> 10′52 | 2 <b>₹</b> 19   | 17 <b>Ⅲ</b> 25 | 1 <b>I</b> I13 | 21°D15         | 12 <b>Ω</b> 49 | 5 <b>m</b> 21 | 5 <b>)</b> (38 | 9 <b>Ω</b> 14 | 6936  | 15°R35         | 14M20           | 24 <b>×</b> 754 | 9 <b>Υ</b> 43  | T 1  |
| W 2  | 16 40 38 | 11° 8'20          | 14°11           | 19°33          | 2°27           | 21 <b>≏</b> 15 | 12°58          | 5°24          | 5°39           | 9°15          | 6°37  | 15 <b>M</b> 33 | 14°17           | 25° 1           | 9°45           | W 2  |
| T 3  | 16 44 35 | 12° 5'46          | 26° 1           | 21°39          | 3°40           | 21°16          | 13° 7          | 5°27          | 5°39           | 9°16          | 6°39  | 15°29          | 14°14           | 25° 7           | 9°47           | T 3  |
| F 4  | 16 48 31 | 13° 3'11          | 7 <b>궁</b> 51   | 23°44          | 4°54           | 21°18          | 13°17          | 5°29          | 5°40           | 9°18          | 6°40  | 15°25          | 14°11           | 25°14           | 9°49           | F 4  |
| S 5  | 16 52 28 | 14° 0'36          | 19°44           | 25°46          | 6° 8           | 21°21          | 13°26          | 5°32          | 5°40           | 9°19          | 6°41  | 15°20          | 14° 7           | 25°21           | 9°51           | S 5  |
| S 6  | 16 56 24 | 14°58'00          | 1≈41            | 27°47          | 7°21           | 21°25          | 13°35          | 5°35          | 5°40           | 9°21          | 6°43  | 15°15          | 14° 4           | 25°28           | 9°53           | S 6  |
| M 7  | 17 0 21  | 15°55'23          | 13°46           | 29°45          | 8°35           | 21°29          | 13°45          | 5°38          | 5°40           | 9°22          | 6°44  | 15°11          | 14° 1           | 25°34           | 9°55           | M 7  |
| T 8  | 17 4 18  | 16°52'45          | 26° 1           | 19541          | 9°48           | 21°34          | 13°54          | 5°41          | 5°40           | 9°24          | 6°46  | 15° 8          | 13°58           | 25°41           | 9°56           | T 8  |
| W 9  | 17 8 14  | 17°50'07          | 8 <b>)</b> (30  | 3°35           | 11° 2          | 21°39          | 14° 4          | 5°45          | 5°40           | 9°25          | 6°47  | 15° 6          | 13°55           | 25°48           | 9°58           | W 9  |
| T 10 | 17 12 11 | 18°47'28          | 21°18           | 5°27           | 12°16          | 21°46          | 14°14          | 5°48          | 5°R40          | 9°27          | 6°49  | 15°D 6         | 13°52           | 25°54           | 10° 0          | T 10 |
| F 11 | 17 16 7  | 19°44'49          | 4 <b>Υ</b> 27   | 7°16           | 13°29          | 21°53          | 14°24          | 5°51          | 5°40           | 9°28          | 6°50  | 15° 7          | 13°48           | 26° 1           | 10° 1          | F 11 |
| S 12 | 17 20 4  | 20°42'09          | 18° 1           | 9° 2           | 14°43          | 22° 1          | 14°34          | 5°55          | 5°40           | 9°30          | 6°51  | 15° 8          | 13°45           | 26° 8           | 10° 3          | S 12 |
| S 13 | 17 24 0  | 21°39'29          | 2 <b>8</b> 1    | 10°46          | 15°56          | 22° 9          | 14°44          | 5°59          | 5°40           | 9°31          | 6°53  | 15° 9          | 13°42           | 26°14           | 10° 5          | S 13 |
| M14  | 17 27 57 | 22°36'49          | 16°27           | 12°28          | 17°10          | 22°19          | 14°54          | 6° 2          | 5°40           | 9°33          | 6°54  | 15°R10         | 13°39           | 26°21           | 10° 6          | M14  |
| T 15 | 17 31 53 | 23°34'08          | 1 <b>I</b> I17  | 14° 7          | 18°24          | 22°28          | 15° 4          | 6° 6          | 5°40           | 9°35          | 6°56  | 15° 9          | 13°36           | 26°28           | 10° 8          | T 15 |
| W16  | 17 35 50 | 24°31'27          | 16°23           | 15°44          | 19°37          | 22°39          | 15°15          | 6°10          | 5°40           | 9°36          | 6°57  | 15° 6          | 13°32           | 26°34           | 10° 9          | W16  |
| T 17 | 17 39 47 | 25°28'45          | 1938            | 17°18          | 20°51          | 22°50          | 15°25          | 6°14          | 5°39           | 9°38          | 6°59  | 15° 2          | 13°29           | 26°41           | 10°10          | T 17 |
| F 18 | 17 43 43 | 26°26'03          | 16°50           | 18°49          | 22° 5          | 23° 2          | 15°35          | 6°18          | 5°39           | 9°40          | 7° 0  | 14°56          | 13°26           | 26°48           | 10°12          | F 18 |
| S 19 | 17 47 40 | 27°23'20          | 1 <b>N</b> 51   | 20°18          | 23°18          | 23°15          | 15°46          | 6°22          | 5°39           | 9°41          | 7° 2  | 14°50          | 13°23           | 26°54           | 10°13          | S 19 |
| S 20 | 17 51 36 | 28°20'36          | 16°31           | 21°44          | 24°32          | 23°28          | 15°57          | 6°26          | 5°38           | 9°43          | 7° 3  | 14°44          | 13°20           | 27° 1           | 10°14          | S 20 |
| M21  | 17 55 33 | 29°17'52          | 0 <b>m</b> 44   | 23° 8          | 25°46          | 23°41          | 16° 7          | 6°31          | 5°38           | 9°45          | 7° 5  | 14°40          | 13°17           | 27° 8           | 10°15          | M21  |
| T 22 | 17 59 29 | 09915'07          | 14°29           | 24°29          | 26°59          | 23°56          | 16°18          | 6°35          | 5°37           | 9°47          | 7° 6  | 14°37          | 13°13           | 27°14           | 10°17          | T 22 |
| W23  | 18 3 26  | 1°12'21           | 27°47           | 25°47          | 28°13          | 24°10          | 16°29          | 6°39          | 5°37           | 9°49          | 7° 8  | 14°D36         | 13°10           | 27°21           | 10°18          | W23  |
| T 24 | 18 7 22  | 2° 9'35           | 10 <b>≏</b> 39  | 27° 2          | 29°27          | 24°26          | 16°40          | 6°44          | 5°36           | 9°50          | 7° 9  | 14°36          | 13° 7           | 27°28           | 10°19          | T 24 |
| F 25 | 18 11 19 | 3° 6'48           | 23°11           | 28°15          | 09540          | 24°42          | 16°51          | 6°48          | 5°35           | 9°52          | 7°10  | 14°37          | 13° 4           | 27°34           | 10°20          | F 25 |
| S 26 | 18 15 16 | 4° 4'00           | 5 <b>M</b> 25   | 29°25          | 1°54           | 24°58          | 17° 2          | 6°53          | 5°34           | 9°54          | 7°12  | 14°38          | 13° 1           | 27°41           | 10°21          | S 26 |
| S 27 | 18 19 12 | 5° 1'12           | 17°28           | 0 <b>Ω</b> 32  | 3° 8           | 25°16          | 17°13          | 6°58          | 5°34           | 9°56          | 7°13  | 14°R38         | 12°58           | 27°48           | 10°22          | S 27 |
| M28  | 18 23 9  | 5°58'24           | 29°23           | 1°35           | 4°21           | 25°33          | 17°25          | 7° 3          | 5°33           | 9°58          | 7°15  | 14°37          | 12°54           | 27°55           | 10°22          | M28  |
| T 29 | 18 27 5  | 6°55'35           | 11 <b>,7</b> 14 | 2°36           | 5°35           | 25°51          | 17°36          | 7° 8          | 5°32           | 10° 0         | 7°16  | 14°34          | 12°51           | 28° 1           | 10°23          | T 29 |
| W30  | 18 31 2  | 7952'46           | 23 <b>×</b> 3   | 3 <b>Ω</b> 34  | 69549          | 26 <b>♀</b> 10 | 17 <b>Ω</b> 47 | 7 <b>m</b> 13 | 5 <b>₩</b> 31  | 10 <b>N</b> 2 | 79518 | 14ML28         | 12 <b>M</b> .48 | 28 <b>∡</b> 8   | 10 <b>Υ</b> 24 | W30  |

Delta T = 21.86 sec

JULY 1920 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ             | ·              | ď              | 4              | ħ               | )f(             | ¥             | Р              | ß               | Ω              | Ç              | , k            | Day  |
|------|----------|------------------|-----------------|---------------|----------------|----------------|----------------|-----------------|-----------------|---------------|----------------|-----------------|----------------|----------------|----------------|------|
| T 1  | 18 34 58 | 8949'57          | 4 <b>궁</b> 53   | 4 <b>Ω</b> 28 | 8 <b>9</b> 5 2 | 26 <b>₽</b> 29 | 17 <b>Ω</b> 59 | 7 <b>m</b> )18  | 5°R30           | 10 <b>Ω</b> 4 | 7 <b>9</b> 319 | 14°R20          | 12 <b>M</b> 45 | 28 <b>×</b> 15 | 10 <b>Y</b> 25 | T 1  |
| F 2  | 18 38 55 | 9°47'08          | 16°47           | 5°19          | 9°16           | 26°49          | 18°10          | 7°23            | 5 <b>米</b> 29   | 10° 6         | 7°21           | 14 <b>M</b> .11 | 12°42          | 28°21          | 10°25          | F 2  |
| S 3  | 18 42 51 | 10°44'19         | 28°45           | 6° 6          | 10°30          | 27° 9          | 18°22          | 7°28            | 5°28            | 10° 8         | 7°22           | 14° 0           | 12°38          | 28°28          | 10°26          | S 3  |
| S 4  | 18 46 48 | 11°41'30         | 10≈49           | 6°50          | 11°44          | 27°29          | 18°34          | 7°33            | 5°27            | 10°10         | 7°24           | 13°50           | 12°35          | 28°35          | 10°26          | S 4  |
| M 5  | 18 50 45 | 12°38'41         | 23° 1           | 7°29          | 12°57          | 27°50          | 18°45          | 7°38            | 5°26            | 10°12         | 7°25           | 13°41           | 12°32          | 28°41          | 10°27          | M 5  |
| T 6  | 18 54 41 | 13°35'52         | 5 <b>)</b> 22   | 8° 5          | 14°11          | 28°12          | 18°57          | 7°44            | 5°25            | 10°14         | 7°27           | 13°33           | 12°29          | 28°48          | 10°27          | T 6  |
| W 7  | 18 58 38 | 14°33'03         | 17°56           | 8°37          | 15°25          | 28°34          | 19° 9          | 7°49            | 5°24            | 10°16         | 7°28           | 13°27           | 12°26          | 28°55          | 10°28          | W 7  |
| T 8  | 19 2 34  | 15°30'15         | 0 <b>Υ</b> 44   | 9° 5          | 16°39          | 28°56          | 19°21          | 7°55            | 5°22            | 10°18         | 7°30           | 13°24           | 12°23          | 29° 1          | 10°28          | T 8  |
| F 9  | 19 631   | 16°27'27         | 13°50           | 9°29          | 17°53          | 29°19          | 19°33          | 8° 0            | 5°21            | 10°20         | 7°31           | 13°D23          | 12°19          | 29° 8          | 10°28          | F 9  |
| S 10 | 19 10 27 | 17°24'39         | 27°17           | 9°48          | 19° 6          | 29°42          | 19°45          | 8° 6            | 5°20            | 10°22         | 7°33           | 13°24           | 12°16          | 29°15          | 10°28          | S 10 |
| S 11 | 19 14 24 | 18°21'52         | 118 8           | 10° 2         | 20°20          | OM 6           | 19°57          | 8°12            | 5°18            | 10°24         | 7°34           | 13°R24          | 12°13          | 29°21          | 10°29          | S 11 |
| M12  | 19 18 20 | 19°19'06         | 25°22           | 10°12         | 21°34          | 0°30           | 20° 9          | 8°17            | 5°17            | 10°26         | 7°36           | 13°23           | 12°10          | 29°28          | 10°29          | M12  |
| T 13 | 19 22 17 | 20°16'20         | 10 <b>I</b> I 0 | 10°17         | 22°48          | 0°54           | 20°21          | 8°23            | 5°16            | 10°28         | 7°37           | 13°21           | 12° 7          | 29°35          | 10°29          | T 13 |
| W14  | 19 26 14 | 21°13'35         | 24°56           | 10°R18        | 24° 2          | 1°19           | 20°33          | 8°29            | 5°14            | 10°30         | 7°39           | 13°16           | 12° 4          | 29°42          | 10°R29         | W14  |
| T 15 | 19 30 10 | 22°10'50         | 1095 5          | 10°13         | 25°16          | 1°44           | 20°45          | 8°35            | 5°13            | 10°32         | 7°40           | 13° 9           | 12° 0          | 29°48          | 10°29          | T 15 |
| F 16 | 19 34 7  | 23° 8'06         | 25°16           | 10° 4         | 26°29          | 2°10           | 20°57          | 8°41            | 5°11            | 10°35         | 7°42           | 13° 0           | 11°57          | 29°55          | 10°29          | F 16 |
| S 17 | 19 38 3  | 24° 5'22         | 10 <b>\O</b> 18 | 9°50          | 27°43          | 2°36           | 21°10          | 8°47            | 5° 9            | 10°37         | 7°43           | 12°50           | 11°54          | 0중 2           | 10°29          | S 17 |
| S 18 | 19 42 0  | 25° 2'38         | 25° 3           | 9°32          | 28°57          | 3° 2           | 21°22          | 8°53            | 5° 8            | 10°39         | 7°44           | 12°40           | 11°51          | 0° 8           | 10°28          | S 18 |
| M19  | 19 45 56 | 25°59'55         | 9 <b>₥</b> 23   | 9° 9          | 0Ω11           | 3°29           | 21°34          | 8°59            | 5° 6            | 10°41         | 7°46           | 12°31           | 11°48          | 0°15           | 10°28          | M19  |
| T 20 | 19 49 53 | 26°57'12         | 23°14           | 8°41          | 1°25           | 3°56           | 21°47          | 9° 6            | 5° 4            | 10°43         | 7°47           | 12°25           | 11°44          | 0°22           | 10°28          | T 20 |
| W21  | 19 53 49 | 27°54'29         | 6 <b>₾</b> 36   | 8°10          | 2°39           | 4°23           | 21°59          | 9°12            | 5° 3            | 10°45         | 7°49           | 12°21           | 11°41          | 0°28           | 10°27          | W21  |
| T 22 | 19 57 46 | 28°51'46         | 19°31           | 7°36          | 3°53           | 4°51           | 22°12          | 9°18            | 5° 1            | 10°47         | 7°50           | 12°20           | 11°38          | 0°35           | 10°27          | T 22 |
| F 23 | 20 1 43  | 29°49'04         | 2M 2            | 6°58          | 5° 7           | 5°19           | 22°24          | 9°25            | 4°59            | 10°50         | 7°52           | 12°D20          | 11°35          | 0°42           | 10°27          | F 23 |
| S 24 | 20 5 39  | 0 <b>Ω</b> 46′22 | 14°16           | 6°18          | 6°21           | 5°47           | 22°37          | 9°31            | 4°57            | 10°52         | 7°53           | 12°R20          | 11°32          | 0°48           | 10°26          | S 24 |
| S 25 | 20 9 36  | 1°43'40          | 26°16           | 5°36          | 7°34           | 6°16           | 22°50          | 9°37            | 4°55            | 10°54         | 7°54           | 12°19           | 11°29          | 0°55           | 10°26          | S 25 |
| M26  | 20 13 32 | 2°40'59          | 8 <b>才</b> 9    | 4°53          | 8°48           | 6°45           | 23° 2          | 9°44            | 4°54            | 10°56         | 7°56           | 12°17           | 11°25          | 1° 2           | 10°25          | M26  |
| T 27 | 20 17 29 | 3°38'19          | 19°58           | 4° 9          | 10° 2          | 7°14           | 23°15          | 9°50            | 4°52            | 10°58         | 7°57           | 12°12           | 11°22          | 1° 8           | 10°24          | T 27 |
| W28  | 20 21 25 | 4°35'39          | 1 <b>3</b> 48   | 3°26          | 11°16          | 7°44           | 23°28          | 9°57            | 4°50            | 11° 1         | 7°58           | 12° 4           | 11°19          | 1°15           | 10°24          | W28  |
| T 29 | 20 25 22 | 5°32'59          | 13°41           | 2°44          | 12°30          | 8°13           | 23°40          | 10° 4           | 4°48            | 11° 3         | 8° 0           | 11°54           | 11°16          | 1°22           | 10°23          | T 29 |
| F 30 | 20 29 18 | 6°30'20          | 25°40           | 2° 4          | 13°44          | 8°44           | 23°53          | 10°10           | 4°46            | 11° 5         | 8° 1           | 11°42           | 11°13          | <u>1°29</u>    | 10°22          | F 30 |
| S 31 | 20 33 15 | 7 <b>Ω</b> 27'43 | 7≈47            | 1 <b>Ω</b> 27 | 14 <b>Ω</b> 58 | 9 <b>™</b> 14  | 24 <b>N</b> 6  | 10 <b>M</b> )17 | 4 <b>) (</b> 44 | 11 <b>Ω</b> 7 | 8 <b>9</b> 5 3 | 11 <b>M</b> 28  | 11 <b>M</b> 10 | 1 <b>る</b> 35  | 10 <b>Υ</b> 21 | S 31 |

Delta T = 21.90 sec

AUGUST 1920 00:00 UT

| Day  | Sid.t    | 0                | D                | ğ             | Q-             | ঠ              | 4             | ħ              | )∤(             | ¥              | Р     | Ç              | ಭ              | Ç             | ķ              | Day  |
|------|----------|------------------|------------------|---------------|----------------|----------------|---------------|----------------|-----------------|----------------|-------|----------------|----------------|---------------|----------------|------|
| S 1  | 20 37 12 | 8 <b>Ω</b> 25'05 | 20≈ 2            | 0°R53         | 16 <b>Ω</b> 12 | 9 <b>M</b> .45 | 24Ω19         | 10 <b>m</b> 24 | 4°R42           | 11 <b>Ω</b> 10 | 895 4 | 11°R15         | 11 <b>M</b> 6  | 1 <b>る</b> 42 | 10°R20         | S 1  |
| M 2  | 20 41 8  | 9°22'29          | 2 <b>){</b> 27   | 0 <b>Ω</b> 23 | 17°26          | 10°16          | 24°31         | 10°31          | 4 <b>) (</b> 40 | 11°12          | 8° 5  | 11 <b>M</b> 3  | 11° 3          | 1°49          | 10 <b>Y</b> 19 | M 2  |
| T 3  | 20 45 5  | 10°19'54         | 15° 1            | 29958         | 18°40          | 10°47          | 24°44         | 10°38          | 4°37            | 11°14          | 8° 6  | 10°52          | 11° 0          | 1°55          | 10°18          | T 3  |
| W 4  | 20 49 1  | 11°17'20         | 27°46            | 29°39         | 19°54          | 11°18          | 24°57         | 10°44          | 4°35            | 11°16          | 8° 8  | 10°45          | 10°57          | 2° 2          | 10°17          | W 4  |
| T 5  | 20 52 58 | 12°14'47         | 10 <b>Y</b> 43   | 29°25         | 21° 8          | 11°50          | 25°10         | 10°51          | 4°33            | 11°18          | 8° 9  | 10°40          | 10°54          | 2° 9          | 10°16          | T 5  |
| F 6  | 20 56 54 | 13°12'15         | 23°55            | 29°17         | 22°22          | 12°22          | 25°23         | 10°58          | 4°31            | 11°21          | 8°10  | 10°38          | 10°50          | 2°15          | 10°15          | F 6  |
| S 7  | 21 0 51  | 14° 9'45         | 7 <b>8</b> 22    | 29°D15        | 23°36          | 12°54          | 25°36         | 11° 5          | 4°29            | 11°23          | 8°12  | 10°38          | 10°47          | 2°22          | 10°14          | S 7  |
| S 8  | 21 447   | 15° 7'16         | 21° 6            | 29°20         | 24°50          | 13°27          | 25°49         | 11°12          | 4°27            | 11°25          | 8°13  | 10°37          | 10°44          | 2°29          | 10°13          | S 8  |
| M 9  | 21 8 44  | 16° 4'48         | 5 <b>Ⅱ</b> 10    | 29°32         | 26° 4          | 14° 0          | 26° 2         | 11°19          | 4°24            | 11°27          | 8°14  | 10°37          | 10°41          | 2°35          | 10°11          | M 9  |
| T 10 | 21 12 41 | 17° 2'22         | 19°32            | 29°51         | 27°18          | 14°33          | 26°15         | 11°26          | 4°22            | 11°30          | 8°15  | 10°34          | 10°38          | 2°42          | 10°10          | T 10 |
| W11  | 21 16 37 | 17°59'57         | 49911            | 0Ω17          | 28°32          | 15° 6          | 26°28         | 11°33          | 4°20            | 11°32          | 8°16  | 10°29          | 10°35          | 2°49          | 10° 9          | W11  |
| T 12 | 21 20 34 | 18°57'34         | 19° 1            | 0°49          | 29°46          | 15°40          | 26°41         | 11°41          | 4°18            | 11°34          | 8°18  | 10°21          | 10°31          | 2°56          | 10° 7          | T 12 |
| F 13 | 21 24 30 | 19°55'12         | 3 <b>Ω</b> 55    | 1°29          | 1 Mp 0         | 16°13          | 26°54         | 11°48          | 4°15            | 11°36          | 8°19  | 10°11          | 10°28          | 3° 2          | 10° 6          | F 13 |
| S 14 | 21 28 27 | 20°52'52         | 18°45            | 2°16          | 2°14           | 16°47          | 27° 7         | 11°55          | 4°13            | 11°38          | 8°20  | 10° 0          | 10°25          | 3° 9          | 10° 4          | S 14 |
| S 15 | 21 32 23 | 21°50'32         | 3 <b>m</b> 21    | 3° 9          | 3°28           | 17°21          | 27°20         | 12° 2          | 4°11            | 11°41          | 8°21  | 9°49           | 10°22          | 3°16          | 10° 3          | S 15 |
| M16  | 21 36 20 | 22°48'14         | 17°36            | 4° 9          | 4°42           | 17°56          | 27°33         | 12° 9          | 4°8             | 11°43          | 8°22  | 9°40           | 10°19          | 3°22          | 10° 1          | M16  |
| T 17 | 21 40 16 | 23°45'57         | 1 <b>≏</b> 27    | 5°15          | 5°56           | 18°31          | 27°46         | 12°17          | 4° 6            | 11°45          | 8°23  | 9°33           | 10°16          | 3°29          | 9°59           | T 17 |
| W18  | 21 44 13 | 24°43'41         | 14°50            | 6°27          | 7°10           | 19° 5          | 27°59         | 12°24          | 4° 4            | 11°47          | 8°24  | 9°28           | 10°12          | 3°36          | 9°58           | W18  |
| T 19 | 21 48 10 | 25°41'26         | 27°46            | 7°45          | 8°24           | 19°40          | 28°12         | 12°31          | 4° 1            | 11°49          | 8°26  | 9°26           | 10° 9          | 3°42          | 9°56           | T 19 |
| F 20 | 21 52 6  | 26°39'12         | 10 <b>M</b> 20   | 9° 8          | 9°39           | 20°16          | 28°25         | 12°39          | 3°59            | 11°52          | 8°27  | 9°D25          | 10° 6          | 3°49          | 9°54           | F 20 |
| S 21 | 21 56 3  | 27°37'00         | 22°35            | 10°36         | 10°53          | 20°51          | 28°39         | 12°46          | 3°57            | 11°54          | 8°28  | 9°R26          | 10° 3          | 3°56          | 9°52           | S 21 |
| S 22 | 21 59 59 | 28°34'48         | 4 <b>₹</b> 37    | 12°10         | 12° 7          | 21°27          | 28°52         | 12°53          | 3°54            | 11°56          | 8°29  | 9°25           | 10° 0          | 4° 3          | 9°50           | S 22 |
| M23  | 22 3 56  | 29°32'38         | 16°30            | 13°47         | 13°21          | 22° 3          | 29° 5         | 13° 1          | 3°52            | 11°58          | 8°30  | 9°24           | 9°56           | 4° 9          | 9°49           | M23  |
| T 24 | 22 7 52  | 0 <b>m</b> 30'29 | 28°20            | 15°29         | 14°35          | 22°39          | 29°18         | 13° 8          | 3°49            | 12° 0          | 8°31  | 9°21           | 9°53           | 4°16          | 9°47           | T 24 |
| W25  | 22 11 49 | 1°28'21          | 10 <b>ට</b> 12   | 17°13         | 15°49          | 23°15          | 29°31         | 13°16          | 3°47            | 12° 2          | 8°32  | 9°15           | 9°50           | 4°23          | 9°45           | W25  |
| T 26 | 22 15 45 | 2°26'15          | 22° 9            | 19° 1         | 17° 3          | 23°52          | 29°44         | 13°23          | 3°45            | 12° 4          | 8°33  | 9° 6           | 9°47           | 4°29          | 9°43           | T 26 |
| F 27 | 22 19 42 | 3°24'10          | 4≈15             | 20°52         | 18°17          | 24°28          | 29°57         | 13°31          | 3°42            | 12° 6          | 8°34  | 8°56           | 9°44           | 4°36          | 9°41           | F 27 |
| S 28 | 22 23 39 | 4°22'06          | 16°32            | 22°44         | 19°31          | 25° 5          | 0 Mp 10       | 13°38          | 3°40            | 12° 9          | 8°35  | 8°45           | 9°41           | 4°43          | 9°39           | S 28 |
| S 29 | 22 27 35 | 5°20'04          | 29° 0            | 24°38         | 20°45          | 25°42          | 0°23          | 13°46          | 3°37            | 12°11          | 8°35  | 8°33           | 9°37           | 4°49          | 9°36           | S 29 |
| M30  | 22 31 32 | 6°18'04          | 11 <b>) (</b> 40 | 26°34         | 21°59          | 26°19          | 0°36          | 13°53          | 3°35            | 12°13          | 8°36  | 8°23           | 9°34           | 4°56          | 9°34           | M30  |
| T 31 | 22 35 28 | 7 <b>m</b> 16'05 | 24 <b>)</b> 33   | 28€30         | 23 <b>m</b> 13 | 26M56          | 0 <b>m</b> 49 | 14 <b>M</b> 1  | 3 <b>∺</b> 33   | 12 <b>Ω</b> 15 | 8937  | 8 <b>M</b> .14 | 9 <b>M</b> .31 | 5 <b>る</b> 3  | 9 <b>Υ</b> 32  | T 31 |

Delta T = 21.95 sec

SEPTEMBER 1920 00:00 UT

| Day  | Sid.t    | 0                  | D              | ğ              | Q             | ď              | 4              | ħ               | )Å(           | ¥             | Р    | u     | v              | Ç             | o<br>k        | Day  |
|------|----------|--------------------|----------------|----------------|---------------|----------------|----------------|-----------------|---------------|---------------|------|-------|----------------|---------------|---------------|------|
| W 1  | 22 39 25 | 8 <b>m</b> ) 14'07 | 7 <b>Ƴ</b> 37  | 0 <b>m</b> 27  | 24 M 27       | 27 <b>M</b> 34 | 1 <b>m</b> y 2 | 14 <b>M</b> ) 8 | 3°R30         | 12Ω17         | 8938 | 8°R 8 | 9 <b>M</b> 28  | 5 <b>ろ</b> 9  | 9°R30         | W 1  |
| T 2  | 22 43 21 | 9°12'12            | 20°53          | 2°24           | 25°41         | 28°12          | 1°15           | 14°16           | 3 <b>∺</b> 28 | 12°19         | 8°39 | 8M 4  | 9°25           | 5°16          | 9 <b>Ƴ</b> 28 | T 2  |
| F 3  | 22 47 18 | 10°10'18           | 4819           | 4°21           | 26°55         | 28°49          | 1°28           | 14°23           | 3°26          | 12°21         | 8°40 | 8°D 3 | 9°21           | 5°23          | 9°25          | F 3  |
| S 4  | 22 51 14 | 11° 8'27           | 17°57          | 6°18           | 28° 9         | 29°27          | 1°41           | 14°31           | 3°23          | 12°23         | 8°41 | 8° 3  | 9°18           | 5°30          | 9°23          | S 4  |
| S 5  | 22 55 11 | 12° 6'37           | 1 <b>Ⅱ</b> 46  | 8°15           | 29°23         | 0 <b>∡</b> ¹ 6 | 1°54           | 14°38           | 3°21          | 12°25         | 8°41 | 8° 4  | 9°15           | 5°36          | 9°21          | S 5  |
| M 6  | 22 59 7  | 13° 4'50           | 15°46          | 10°11          | 0 <b>ჲ</b> 37 | 0°44           | 2° 7           | 14°46           | 3°18          | 12°27         | 8°42 | 8°R 4 | 9°12           | 5°43          | 9°19          | M 6  |
| T 7  | 23 3 4   | 14° 3'05           | 29°58          | 12° 7          | 1°51          | 1°22           | 2°20           | 14°53           | 3°16          | 12°29         | 8°43 | 8° 3  | 9° 9           | 5°50          | 9°16          | T 7  |
| W 8  | 23 7 1   | 15° 1'21           | 149519         | 14° 1          | 3° 5          | 2° 1           | 2°33           | 15° 1           | 3°14          | 12°31         | 8°44 | 8° 0  | 9° 6           | 5°56          | 9°14          | W 8  |
| T 9  | 23 10 57 | 15°59'40           | 28°46          | 15°55          | 4°20          | 2°40           | 2°46           | 15° 8           | 3°11          | 12°33         | 8°44 | 7°55  | 9° 2           | 6° 3          | 9°11          | T 9  |
| F 10 | 23 14 54 | 16°58'01           | 13 <b>Ω</b> 15 | 17°48          | 5°34          | 3°19           | 2°59           | 15°16           | 3° 9          | 12°35         | 8°45 | 7°48  | 8°59           | 6°10          | 9° 9          | F 10 |
| S 11 | 23 18 50 | 17°56'24           | 27°40          | 19°40          | 6°48          | 3°58           | 3°12           | 15°23           | 3° 7          | 12°37         | 8°46 | 7°40  | 8°56           | 6°16          | 9° 6          | S 11 |
| S 12 | 23 22 47 | 18°54'48           | 11 <b>m</b> 55 | 21°31          | 8° 2          | 4°37           | 3°25           | 15°31           | 3° 5          | 12°38         | 8°46 | 7°32  | 8°53           | 6°23          | 9° 4          | S 12 |
| M13  | 23 26 43 | 19°53'15           | 25°53          | 23°21          | 9°16          | 5°17           | 3°37           | 15°38           | 3° 2          | 12°40         | 8°47 | 7°25  | 8°50           | 6°30          | 9° 1          | M13  |
| T 14 | 23 30 40 | 20°51'43           | 9 <b>₾</b> 32  | 25°10          | 10°30         | 5°56           | 3°50           | 15°46           | 3° 0          | 12°42         | 8°47 | 7°20  | 8°47           | 6°37          | 8°59          | T 14 |
| W15  | 23 34 36 | 21°50'13           | 22°48          | 26°57          | 11°44         | 6°36           | 4° 3           | 15°53           | 2°58          | 12°44         | 8°48 | 7°17  | 8°43           | 6°43          | 8°56          | W15  |
| T 16 | 23 38 33 | 22°48'45           | 5 <b>M</b> 42  | 28°44          | 12°58         | 7°16           | 4°16           | 16° 1           | 2°56          | 12°46         | 8°49 | 7°D16 | 8°40           | 6°50          | 8°54          | T 16 |
| F 17 | 23 42 30 | 23°47'19           | 18°15          | 0 <b>ჲ</b> 30  | 14°12         | 7°56           | 4°28           | 16° 8           | 2°53          | 12°48         | 8°49 | 7°16  | 8°37           | 6°57          | 8°51          | F 17 |
| S 18 | 23 46 26 | 24°45'54           | 0 <b>∡</b> 32  | 2°14           | 15°26         | 8°36           | 4°41           | 16°16           | 2°51          | 12°49         | 8°50 | 7°17  | 8°34           | 7° 3          | 8°48          | S 18 |
| S 19 | 23 50 23 | 25°44'31           | 12°35          | 3°58           | 16°40         | 9°16           | 4°54           | 16°23           | 2°49          | 12°51         | 8°50 | 7°19  | 8°31           | 7°10          | 8°46          | S 19 |
| M20  | 23 54 19 | 26°43'10           | 24°29          | 5°40           | 17°54         | 9°57           | 5° 6           | 16°31           | 2°47          | 12°53         | 8°51 | 7°R20 | 8°27           | 7°17          | 8°43          | M20  |
| T 21 | 23 58 16 | 27°41'50           | 6 <b>ප</b> 21  | 7°22           | 19° 8         | 10°37          | 5°19           | 16°38           | 2°45          | 12°55         | 8°51 | 7°19  | 8°24           | 7°24          | 8°41          | T 21 |
| W22  | 0 2 12   | 28°40'32           | 18°14          | 9° 2           | 20°22         | 11°18          | 5°32           | 16°46           | 2°43          | 12°56         | 8°51 | 7°17  | 8°21           | 7°30          | 8°38          | W22  |
| T 23 | 0 6 9    | 29°39'16           | 0≈14           | 10°42          | 21°36         | 11°59          | 5°44           | 16°53           | 2°41          | 12°58         | 8°52 | 7°14  | 8°18           | 7°37          | 8°35          | T 23 |
| F 24 | 0 10 5   | 0 <b>△</b> 38'02   | 12°24          | 12°20          | 22°50         | 12°40          | 5°56           | 17° 1           | 2°39          | 12°59         | 8°52 | 7° 9  | 8°15           | 7°44          | 8°33          | F 24 |
| S 25 | 0 14 2   | 1°36'49            | 24°47          | 13°58          | 24° 4         | 13°21          | 6° 9           | 17° 8           | 2°37          | 13° 1         | 8°53 | 7° 3  | 8°12           | 7°50          | 8°30          | S 25 |
| S 26 | 0 17 59  | 2°35'38            | 7 <b>∺</b> 26  | 15°35          | 25°17         | 14° 2          | 6°21           | 17°15           | 2°35          | 13° 3         | 8°53 | 6°57  | 8° 8           | 7°57          | 8°27          | S 26 |
| M27  | 0 21 55  | 3°34'29            | 20°22          | 17°10          | 26°31         | 14°43          | 6°34           | 17°23           | 2°33          | 13° 4         | 8°53 | 6°51  | 8° 5           | 8° 4          | 8°24          | M27  |
| T 28 | 0 25 52  | 4°33'22            | 3 <b>Ƴ</b> 34  | 18°45          | 27°45         | 15°25          | 6°46           | 17°30           | 2°31          | 13° 6         | 8°53 | 6°47  | 8° 2           | 8°10          | 8°22          | T 28 |
| W29  | 0 29 48  | 5°32'17            | 17° 1          | 20°19          | 28°59         | 16° 6          | 6°58           | 17°37           | 2°29          | 13° 7         | 8°54 | 6°44  | 7°59           | 8°17          | 8°19          | W29  |
| T 30 | 0 33 45  | 6 <b>≏</b> 31'14   | 0841           | 21 <b>≏</b> 52 | 0 <b>M</b> 13 | 16 <b>₹</b> 48 | 7 <b>m</b> 10  | 17 <b>M</b> )45 | 2 <b>∺</b> 27 | 13 <b>Ω</b> 9 | 8954 | 6°D42 | 7 <b>M</b> .56 | 8 <b>궁</b> 24 | 8 <b>Y</b> 16 | T 30 |

Delta T = 22.00 sec

OCTOBER 1920 00:00 UT

| Day  | Sid.t   | 0                 | D               | φ              | Q             | δ              | 4              | ħ              | )∤(             | 卉              | Р     | Ç     | <mark>ය</mark> | Ç              | ß             | Day  |
|------|---------|-------------------|-----------------|----------------|---------------|----------------|----------------|----------------|-----------------|----------------|-------|-------|----------------|----------------|---------------|------|
| F 1  | 0 37 41 | 7 <b>₽</b> 30'13  | 14832           | 23 <b>≏</b> 25 | 1 <b>M</b> 27 | 17 <b>×</b> 30 | 7 m 22         | 17 <b>m</b> 52 | 2°R25           | 13 <b>Ω</b> 10 | 8954  | 6M42  | 7 <b>M</b> .52 | 8 <b>ට</b> 31  | 8°R14         | F 1  |
| S 2  | 0 41 38 | 8°29'15           | 28°31           | 24°56          | 2°41          | 18°11          | 7°35           | 17°59          | 2 <b>)</b> 23   | 13°12          | 8°54  | 6°43  | 7°49           | 8°37           | 8 <b>Ƴ</b> 11 | S 2  |
| S 3  | 0 45 34 | 9°28'19           | 12 <b>II</b> 36 | 26°27          | 3°55          | 18°53          | 7°47           | 18° 6          | 2°22            | 13°13          | 8°55  | 6°45  | 7°46           | 8°44           | 8° 8          | S 3  |
| M 4  | 0 49 31 | 10°27'25          | 26°46           | 27°56          | 5° 9          | 19°36          | 7°59           | 18°14          | 2°20            | 13°15          | 8°55  | 6°46  | 7°43           | 8°51           | 8° 5          | M 4  |
| T 5  | 0 53 28 | 11°26'33          | 10957           | 29°25          | 6°22          | 20°18          | 8°11           | 18°21          | 2°18            | 13°16          | 8°55  | 6°R47 | 7°40           | 8°57           | 8° 3          | T 5  |
| W 6  | 0 57 24 | 12°25'44          | 25° 9           | 0 <b>M</b> .53 | 7°36          | 21° 0          | 8°22           | 18°28          | 2°17            | 13°17          | 8°55  | 6°46  | 7°37           | 9° 4           | 8° 0          | W 6  |
| T 7  | 1 1 21  | 13°24'57          | 9 <b>Ω</b> 18   | 2°20           | 8°50          | 21°42          | 8°34           | 18°35          | 2°15            | 13°19          | 8°55  | 6°45  | 7°33           | 9°11           | 7°57          | T 7  |
| F 8  | 1 5 17  | 14°24'13          | 23°22           | 3°47           | 10° 4         | 22°25          | 8°46           | 18°42          | 2°13            | 13°20          | 8°55  | 6°42  | 7°30           | 9°17           | 7°55          | F 8  |
| S 9  | 1 9 14  | 15°23'31          | 7 <b>m</b> 19   | 5°12           | 11°18         | 23° 8          | 8°58           | 18°49          | 2°12            | 13°21          | 8°55  | 6°39  | 7°27           | 9°24           | 7°52          | S 9  |
| S 10 | 1 13 10 | 16°22'51          | 21° 5           | 6°37           | 12°32         | 23°50          | 9° 9           | 18°56          | 2°10            | 13°22          | 8°R55 | 6°36  | 7°24           | 9°31           | 7°49          | S 10 |
| M11  | 1 17 7  | 17°22'13          | 4 <b>₾</b> 38   | 8° 0           | 13°45         | 24°33          | 9°21           | 19° 3          | 2° 9            | 13°24          | 8°55  | 6°33  | 7°21           | 9°38           | 7°47          | M11  |
| T 12 | 1 21 3  | 18°21'37          | 17°56           | 9°23           | 14°59         | 25°16          | 9°32           | 19°10          | 2° 7            | 13°25          | 8°55  | 6°32  | 7°18           | 9°44           | 7°44          | T 12 |
| W13  | 1 25 0  | 19°21'03          | 0 <b>M</b> 57   | 10°44          | 16°13         | 25°59          | 9°44           | 19°17          | 2° 6            | 13°26          | 8°55  | 6°D31 | 7°14           | 9°51           | 7°41          | W13  |
| T 14 | 1 28 56 | 20°20'31          | 13°41           | 12° 5          | 17°27         | 26°42          | 9°55           | 19°24          | 2° 5            | 13°27          | 8°55  | 6°31  | 7°11           | 9°58           | 7°39          | T 14 |
| F 15 | 1 32 53 | 21°20'02          | 26° 9           | 13°24          | 18°41         | 27°25          | 10° 7          | 19°31          | 2° 3            | 13°28          | 8°55  | 6°32  | 7° 8           | 10° 4          | 7°36          | F 15 |
| S 16 | 1 36 50 | 22°19'34          | 8 <b>₹</b> 23   | 14°42          | 19°54         | 28° 9          | 10°18          | 19°37          | 2° 2            | 13°29          | 8°55  | 6°33  | 7° 5           | 10°11          | 7°33          | S 16 |
| S 17 | 1 40 46 | 23°19'08          | 20°25           | 15°59          | 21°8          | 28°52          | 10°29          | 19°44          | 2° 1            | 13°30          | 8°54  | 6°34  | 7° 2           | 10°18          | 7°31          | S 17 |
| M18  | 1 44 43 | 24°18'44          | 2 <b>る</b> 20   | 17°15          | 22°22         | 29°36          | 10°40          | 19°51          | 2° 0            | 13°31          | 8°54  | 6°35  | 6°58           | 10°25          | 7°28          | M18  |
| T 19 | 1 48 39 | 25°18'21          | 14°12           | 18°29          | 23°36         | 0 <b>궁</b> 19  | 10°51          | 19°57          | 1°58            | 13°32          | 8°54  | 6°36  | 6°55           | 10°31          | 7°26          | T 19 |
| W20  | 1 52 36 | 26°18'00          | 26° 5           | 19°42          | 24°49         | 1° 3           | 11° 2          | 20° 4          | 1°57            | 13°33          | 8°54  | 6°R36 | 6°52           | 10°38          | 7°23          | W20  |
| T 21 | 1 56 32 | 27°17'41          | 8 <b>≈</b> 4    | 20°52          | 26° 3         | 1°47           | 11°13          | 20°11          | 1°56            | 13°34          | 8°54  | 6°36  | 6°49           | 10°45          | 7°21          | T 21 |
| F 22 | 2 0 29  | 28°17'24          | 20°14           | 22° 1          | 27°17         | 2°31           | 11°24          | 20°17          | 1°55            | 13°35          | 8°53  | 6°35  | 6°46           | 10°51          | 7°18          | F 22 |
| S 23 | 2 4 25  | 29°17'09          | 2 <b>∺</b> 38   | 23° 8          | 28°30         | 3°15           | 11°34          | 20°23          | 1°54            | 13°36          | 8°53  | 6°35  | 6°43           | 10°58          | 7°16          | S 23 |
| S 24 | 2 8 22  | 0M16'55           | 15°21           | 24°13          | 29°44         | 3°59           | 11°45          | 20°30          | 1°53            | 13°36          | 8°53  | 6°34  | 6°39           | 11° 5          | 7°13          | S 24 |
| M25  | 2 12 19 | 1°16'43           | 28°25           | 25°15          | 0 <b>才</b> 58 | 4°43           | 11°55          | 20°36          | 1°52            | 13°37          | 8°52  | 6°33  | 6°36           | 11°11          | 7°11          | M25  |
| T 26 | 2 16 15 | 2°16'32           | 11 <b>Y</b> 50  | 26°14          | 2°11          | 5°27           | 12° 6          | 20°42          | 1°52            | 13°38          | 8°52  | 6°32  | 6°33           | 11°18          | 7° 8          | T 26 |
| W27  | 2 20 12 | 3°16'24           | 25°36           | 27°11          | 3°25          | 6°11           | 12°16          | 20°49          | 1°51            | 13°39          | 8°52  | 6°32  | 6°30           | 11°25          | 7° 6          | W27  |
| T 28 | 2 24 8  | 4°16'17           | 9 <b>8</b> 41   | 28° 4          | 4°39          | 6°55           | 12°26          | 20°55          | 1°50            | 13°39          | 8°51  | 6°D32 | 6°27           | 11°32          | 7° 4          | T 28 |
| F 29 | 2 28 5  | 5°16'13           | 23°59           | 28°53          | 5°52          | 7°40           | 12°37          | 21° 1          | 1°49            | 13°40          | 8°51  | 6°32  | 6°24           | 11°38          | 7° 1          | F 29 |
| S 30 | 2 32 1  | 6°16'10           | 8 <b>Ⅱ</b> 28   | 29°38          | 7° 6          | 8°24           | 12°47          | 21° 7          | 1°49            | 13°41          | 8°50  | 6°R32 | 6°20           | 11°45          | 6°59          | S 30 |
| S 31 | 2 35 58 | 7 <b>ML</b> 16'10 | 23耳 0           | 0 <b>₹</b> 18  | 8 <b>∡</b> 19 | 9궁 9           | 12 <b>M</b> 57 | 21 <b>m</b> 13 | 1 <b>) (</b> 48 | 13 <b>Ω</b> 41 | 8950  | 6MJ32 | 6 <b>M</b> .17 | 11 <b>궁</b> 52 | 6 <b>Ƴ</b> 57 | S 31 |

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| Day  | Sid.t   | 0                 | D              | ğ              | ·              | ð             | 4               | ħ        | )Å(             | 卉              | Р             | 'n           | ß              | ţ              | ę,            | Day  |
|------|---------|-------------------|----------------|----------------|----------------|---------------|-----------------|----------|-----------------|----------------|---------------|--------------|----------------|----------------|---------------|------|
| M 1  | 2 39 54 | 8ML16'12          | 7930           | 0 <b>∡</b> 754 | 9 <b>∡</b> ³33 | 9 <b>ට</b> 53 | 13 <b>m</b> ) 7 | 21 Mp 19 | 1°R48           | 13 <b>Ω</b> 42 | 8°R49         | 6°R32        | 6 <b>M</b> .14 | 11 <b>る</b> 58 | 6°R54         | M 1  |
| T 2  | 2 43 51 | 9°16'16           | 21°54          | 1°23           | 10°46          | 10°38         | 13°16           | 21°25    | 1 <b>) (</b> 47 | 13°42          | 89549         | 6MJ32        | 6°11           | 12° 5          | 6 <b>Υ</b> 52 | T 2  |
| W 3  | 2 47 48 | 10°16'22          | 6 <b>N</b> 8   | 1°46           | 12° 0          | 11°23         | 13°26           | 21°31    | 1°47            | 13°43          | 8°48          | 6°D32        | 6° 8           | 12°12          | 6°50          | W 3  |
| T 4  | 2 51 44 | 11°16'30          | 20°10          | 2° 3           | 13°13          | 12° 8         | 13°36           | 21°37    | 1°46            | 13°43          | 8°48          | 6°32         | 6° 4           | 12°19          | 6°48          | T 4  |
| F 5  | 2 55 41 | 12°16'40          | 3 <b>m</b> 58  | 2°11           | 14°27          | 12°52         | 13°45           | 21°42    | 1°46            | 13°43          | 8°47          | 6°32         | 6° 1           | 12°25          | 6°46          | F 5  |
| S 6  | 2 59 37 | 13°16'52          | 17°33          | 2°R11          | 15°40          | 13°37         | 13°54           | 21°48    | 1°46            | 13°44          | 8°47          | 6°33         | 5°58           | 12°32          | 6°44          | S 6  |
| S 7  | 3 3 34  | 14°17'06          | 0 <b>≙</b> 54  | 2° 3           | 16°54          | 14°22         | 14° 4           | 21°53    | 1°45            | 13°44          | 8°46          | 6°33         | 5°55           | 12°39          | 6°42          | S 7  |
| M 8  | 3 7 30  | 15°17'23          | 14° 1          | 1°45           | 18° 7          | 15° 7         | 14°13           | 21°59    | 1°45            | 13°44          | 8°45          | 6°34         | 5°52           | 12°45          | 6°40          | M 8  |
| T 9  | 3 11 27 | 16°17'41          | 26°54          | 1°17           | 19°20          | 15°53         | 14°22           | 22° 4    | 1°45            | 13°45          | 8°45          | 6°35         | 5°49           | 12°52          | 6°38          | T 9  |
| W10  | 3 15 23 | 17°18'01          | 9 <b>M</b> .35 | 0°39           | 20°34          | 16°38         | 14°31           | 22°10    | 1°45            | 13°45          | 8°44          | 6°R35        | 5°45           | 12°59          | 6°36          | W10  |
| T 11 | 3 19 20 | 18°18'23          | 22° 4          | 29 <b>M</b> 51 | 21°47          | 17°23         | 14°40           | 22°15    | 1°D45           | 13°45          | 8°43          | 6°34         | 5°42           | 13° 6          | 6°34          | T 11 |
| F 12 | 3 23 17 | 19°18'46          | 4 <b>₹</b> 22  | 28°54          | 23° 0          | 18° 8         | 14°48           | 22°20    | 1°45            | 13°45          | 8°42          | 6°33         | 5°39           | 13°12          | 6°32          | F 12 |
| S 13 | 3 27 13 | 20°19'11          | 16°30          | 27°48          | 24°14          | 18°54         | 14°57           | 22°25    | 1°45            | 13°45          | 8°42          | 6°32         | 5°36           | 13°19          | 6°30          | S 13 |
| S 14 | 3 31 10 | 21°19'38          | 28°29          | 26°35          | 25°27          | 19°39         | 15° 5           | 22°31    | 1°45            | 13°46          | 8°41          | 6°29         | 5°33           | 13°26          | 6°29          | S 14 |
| M15  | 3 35 6  | 22°20'06          | 10 <b>る</b> 23 | 25°17          | 26°40          | 20°25         | 15°14           | 22°36    | 1°45            | 13°46          | 8°40          | 6°27         | 5°29           | 13°32          | 6°27          | M15  |
| T 16 | 3 39 3  | 23°20'36          | 22°14          | 23°57          | 27°54          | 21°10         | 15°22           | 22°40    | 1°46            | 13°R46         | 8°39          | 6°24         | 5°26           | 13°39          | 6°25          | T 16 |
| W17  | 3 42 59 | 24°21'06          | 4≈ 5           | 22°36          | 29° 7          | 21°56         | 15°30           | 22°45    | 1°46            | 13°46          | 8°39          | 6°22         | 5°23           | 13°46          | 6°24          | W17  |
| T 18 | 3 46 56 | 25°21'38          | 16° 2          | 21°18          | 0 <b>궁</b> 20  | 22°41         | 15°38           | 22°50    | 1°46            | 13°46          | 8°38          | 6°21         | 5°20           | 13°53          | 6°22          | T 18 |
| F 19 | 3 50 52 | 26°22'12          | 28° 8          | 20° 5          | 1°33           | 23°27         | 15°46           | 22°55    | 1°46            | 13°46          | 8°37          | 6°D21        | 5°17           | 13°59          | 6°21          | F 19 |
| S 20 | 3 54 49 | 27°22'46          | 10 <b>∺</b> 29 | 18°59          | 2°46           | 24°13         | 15°53           | 22°59    | 1°47            | 13°45          | 8°36          | 6°21         | 5°14           | 14° 6          | 6°19          | S 20 |
| S 21 | 3 58 46 | 28°23'22          | 23° 8          | 18° 2          | 3°59           | 24°58         | 16° 1           | 23° 4    | 1°47            | 13°45          | 8°35          | 6°23         | 5°10           | 14°13          | 6°18          | S 21 |
| M22  | 4 2 42  | 29°23'59          | 6 <b>Ƴ</b> 9   | 17°16          | 5°12           | 25°44         | 16° 8           | 23° 8    | 1°48            | 13°45          | 8°34          | 6°24         | 5° 7           | 14°19          | 6°16          | M22  |
| T 23 | 4 6 39  | 0 <b>҂</b> 24'37  | 19°36          | 16°41          | 6°25           | 26°30         | 16°16           | 23°13    | 1°48            | 13°45          | 8°33          | 6°26         | 5° 4           | 14°26          | 6°15          | T 23 |
| W24  | 4 10 35 | 1°25'16           | 3 <b>8</b> 30  | 16°18          | 7°38           | 27°16         | 16°23           | 23°17    | 1°49            | 13°45          | 8°32          | 6°R27        | 5° 1           | 14°33          | 6°14          | W24  |
| T 25 | 4 14 32 | 2°25'57           | 17°48          | 16° 7          | 8°51           | 28° 2         | 16°30           | 23°21    | 1°50            | 13°44          | 8°31          | 6°26         | 4°58           | 14°40          | 6°12          | T 25 |
| F 26 | 4 18 28 | 3°26'39           | 2Ⅲ28           | 16°D 6         | 10° 4          | 28°48         | 16°37           | 23°25    | 1°51            | 13°44          | 8°30          | 6°24         | 4°55           | 14°46          | 6°11          | F 26 |
| S 27 | 4 22 25 | 4°27'22           | 17°22          | 16°16          | 11°17          | 29°34         | 16°43           | 23°29    | 1°51            | 13°44          | 8°30          | 6°21         | 4°51           | 14°53          | 6°10          | S 27 |
| S 28 | 4 26 21 | 5°28'07           | 2923           | 16°36          | 12°30          | 0≈20          | 16°50           | 23°33    | 1°52            | 13°43          | 8°29          | 6°17         | 4°48           | 15° 0          | 6° 9          | S 28 |
| M29  | 4 30 18 | 6°28'53           | 17°20          | 17° 5          | 1 <u>3</u> °43 | 1° 6          | 16°56           | 23°37    | 1°53            | 13°43          | 8°28          | 6°13         | 4°45           | 1 <u>5</u> ° 6 | 6° 8          | M29  |
| T 30 | 4 34 15 | 7 <b>.₹</b> 29'40 | 2 <b>Ω</b> 7   | 17 <b>M</b> 41 | 14 <b>궁</b> 55 | 1≈52          | 17MD 2          | 23 Mp 41 | 1 <b>米</b> 54   | 13 <b>Ω</b> 43 | 8 <b>9</b> 27 | 6 <b>™</b> 9 | 4 <b>M</b> .42 | 15 <b>る</b> 13 | 6 <b>℃</b> 7  | T 30 |

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| Day  | Sid.t   | $\odot$           | )              | Ψ              | φ     | o <sup>7</sup> | 24              | ħ        | )ұ(            | <del>\</del>   | 5            | v             | Ω              | ţ               | Š            | Day  |
|------|---------|-------------------|----------------|----------------|-------|----------------|-----------------|----------|----------------|----------------|--------------|---------------|----------------|-----------------|--------------|------|
| W 1  | 4 38 11 | 8 <b>∡</b> ³30′29 | 16 <b>Ω</b> 36 | 18 <b>M</b> 25 | 16ට 8 | 2≈38           | 17 <b>m</b> ) 9 | 23 Mp 44 | 1 <b>)</b> 55  | 13°R42         | 8°R25        | 6°R 6         | 4 <b>M</b> .39 | 15 <b>る</b> 20  | 6°R 6        | W 1  |
| T 2  | 4 42 8  | 9°31'20           | 0 <b>m</b> /44 | 19°15          | 17°21 | 3°24           | 17°15           | 23°48    | 1°56           | 13 <b>Ω</b> 42 | 89524        | 6 <b>M</b> 4  | 4°35           | 15°27           | 6 <b>Y</b> 5 | T 2  |
| F 3  | 4 46 4  | 10°32'11          | 14°29          | 20°11          | 18°33 | 4°11           | 17°20           | 23°51    | 1°57           | 13°41          | 8°23         | 6°D 4         | 4°32           | 15°33           | 6° 4         | F 3  |
| S 4  | 4 50 1  | 11°33'04          | 27°54          | 21°11          | 19°46 | 4°57           | 17°26           | 23°55    | 1°58           | 13°40          | 8°22         | 6° 4          | 4°29           | 15°40           | 6° 3         | S 4  |
| S 5  | 4 53 57 | 12°33'59          | 10₽58          | 22°16          | 20°58 | 5°43           | 17°32           | 23°58    | 1°59           | 13°40          | 8°21         | 6° 6          | 4°26           | 15°47           | 6° 3         | S 5  |
| M 6  | 4 57 54 | 13°34'54          | 23°46          | 23°24          | 22°11 | 6°29           | 17°37           | 24° 1    | 2° 1           | 13°39          | 8°20         | 6° 8          | 4°23           | 15°53           | 6° 2         | M 6  |
| T 7  | 5 1 50  | 14°35'51          | 6ML20          | 24°35          | 23°23 | 7°16           | 17°42           | 24° 4    | 2° 2           | 13°39          | 8°19         | 6°R 8         | 4°20           | 16° 0           | 6° 1         | T 7  |
| W 8  | 5 5 47  | 15°36'50          | 18°43          | 25°49          | 24°36 | 8° 2           | 17°47           | 24° 7    | 2° 3           | 13°38          | 8°18         | 6° 7          | 4°16           | 16° 7           | 6° 1         | W 8  |
| T 9  | 5 9 44  | 16°37'49          | 0 <b>才</b> 56  | 27° 6          | 25°48 | 8°48           | 17°52           | 24°10    | 2° 5           | 13°37          | 8°17         | 6° 4          | 4°13           | 16°14           | 6° 0         | T 9  |
| F 10 | 5 13 40 | 17°38'49          | 13° 2          | 28°24          | 27° 0 | 9°35           | 17°57           | 24°13    | 2° 6           | 13°36          | 8°16         | 5°59          | 4°10           | 16°20           | 6° 0         | F 10 |
| S 11 | 5 17 37 | 18°39'50          | 25° 2          | 29°44          | 28°13 | 10°21          | 18° 1           | 24°16    | 2° 7           | 13°36          | 8°15         | 5°52          | 4° 7           | 16°27           | 6° 0         | S 11 |
| S 12 | 5 21 33 | 19°40'52          | 6 <b>ප</b> 57  | 1 <b>才</b> 6   | 29°25 | 11°8           | 18° 5           | 24°18    | 2° 9           | 13°35          | 8°13         | 5°44          | 4° 4           | 16°34           | 5°59         | S 12 |
| M13  | 5 25 30 | 20°41'55          | 18°49          | 2°29           | 0≈37  | 11°54          | 18°10           | 24°21    | 2°10           | 13°34          | 8°12         | 5°35          | 4° 1           | 16°40           | 5°59         | M13  |
| T 14 | 5 29 26 | 21°42'58          | 0≈40           | 3°53           | 1°49  | 12°41          | 18°13           | 24°23    | 2°12           | 13°33          | 8°11         | 5°26          | 3°57           | 16°47           | 5°59         | T 14 |
| W15  | 5 33 23 | 22°44'02          | 12°32          | 5°19           | 3° 1  | 13°27          | 18°17           | 24°25    | 2°14           | 13°32          | 8°10         | 5°18          | 3°54           | 16°54           | 5°58         | W15  |
| T 16 | 5 37 19 | 23°45'06          | 24°28          | 6°45           | 4°13  | 14°14          | 18°21           | 24°27    | 2°15           | 13°31          | 8° 9         | 5°11          | 3°51           | 17° 1           | 5°58         | T 16 |
| F 17 | 5 41 16 | 24°46'11          | 6 <b>)</b> €32 | 8°12           | 5°24  | 15° 0          | 18°24           | 24°29    | 2°17           | 13°30          | 8° 7         | 5° 7          | 3°48           | 17° 7           | 5°58         | F 17 |
| S 18 | 5 45 13 | 25°47'16          | 18°47          | 9°39           | 6°36  | 15°47          | 18°28           | 24°31    | 2°19           | 13°29          | 8° 6         | 5° 5          | 3°45           | 17°14           | 5°D58        | S 18 |
| S 19 | 5 49 9  | 26°48'21          | 1 <b>Υ</b> 19  | 11° 7          | 7°48  | 16°33          | 18°31           | 24°33    | 2°21           | 13°28          | 8° 5         | 5°D 5         | 3°41           | 17°21           | 5°58         | S 19 |
| M20  | 5 53 6  | 27°49'27          | 14°13          | 12°36          | 8°59  | 17°20          | 18°34           | 24°35    | 2°23           | 13°27          | 8° 4         | 5° 6          | 3°38           | 17°27           | 5°58         | M20  |
| T 21 | 5 57 2  | 28°50'33          | 27°32          | 14° 5          | 10°11 | 18° 6          | 18°36           | 24°37    | 2°25           | 13°26          | 8° 3         | 5° 7          | 3°35           | 17°34           | 5°59         | T 21 |
| W22  | 6 0 59  | 29°51'39          | 11819          | 15°34          | 11°22 | 18°53          | 18°39           | 24°38    | 2°27           | 13°25          | 8° 1         | 5°R 7         | 3°32           | 17°41           | 5°59         | W22  |
| T 23 | 6 4 55  | 0중52'45           | 25°36          | 17° 4          | 12°34 | 19°39          | 18°41           | 24°40    | 2°29           | 13°24          | 8° 0         | 5° 5          | 3°29           | 17°48           | 5°59         | T 23 |
| F 24 | 6 8 52  | 1°53'51           | 10 <b>Ⅱ</b> 20 | 18°35          | 13°45 | 20°26          | 18°43           | 24°41    | 2°31           | 13°23          | 7°59         | 5° 1          | 3°26           | 17°54           | 5°59         | F 24 |
| S 25 | 6 12 48 | 2°54'58           | 25°25          | 20° 5          | 14°56 | 21°13          | 18°45           | 24°42    | 2°33           | 13°21          | 7°58         | 4°54          | 3°22           | 18° 1           | 6° 0         | S 25 |
| S 26 | 6 16 45 | 3°56'05           | 109543         | 21°36          | 16° 7 | 21°59          | 18°47           | 24°43    | 2°35           | 13°20          | 7°57         | 4°45          | 3°19           | 18° 8           | 6° 0         | S 26 |
| M27  | 6 20 42 | 4°57'13           | 26° 1          | 23° 8          | 17°18 | 22°46          | 18°49           | 24°44    | 2°37           | 13°19          | 7°55         | 4°36          | 3°16           | 18°15           | 6° 1         | M27  |
| T 28 | 6 24 38 | 5°58'21           | 11Ω10          | 24°39          | 18°29 | 23°32          | 18°50           | 24°45    | 2°39           | 13°18          | 7°54         | 4°27          | 3°13           | 18°21           | 6° 1         | T 28 |
| W29  | 6 28 35 | 6°59'29           | 25°59          | 26°11          | 19°39 | 24°19          | 18°52           | 24°46    | 2°41           | 13°17          | 7°53         | 4°19          | 3°10           | 18°28           | 6° 2         | W29  |
| T 30 | 6 32 31 | 8° 0'37           | 10 Mp 22       | 27°43          | 20°50 | 25° 6          | 18°53           | 24°46    | 2°44           | 13°15          | 7°52         | 4°13          | 3° 7           | 18°35           | 6° 2         | T 30 |
| F 31 | 6 36 28 | 9る 1'46           | 24 Mp 17       | 29 <b>×</b> 16 | 22≈ 0 | 25≈52          | 18 <b>m</b> 53  | 24 Mp 47 | 2 <b>)</b> (46 | 13 <b>Ω</b> 14 | <b>79</b> 50 | 4 <b>M</b> 10 | 3M 3           | 18 <b>පි</b> 41 | 6 <b>℃</b> 3 | F 31 |

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| Day  | Sid.t   | 0        | D              | ğ             | φ             | ♂              | 4               | ħ        | )Å(            | ¥               | Р              | Ŗ            | Ω             | Ç              | ę,            | Day  |
|------|---------|----------|----------------|---------------|---------------|----------------|-----------------|----------|----------------|-----------------|----------------|--------------|---------------|----------------|---------------|------|
| S 1  | 6 40 24 | 10ට 2'55 | 7 <b>≙</b> 44  | 0 <b>궁</b> 49 | 23≈11         | 26≈39          | 18 <b>M</b> 54  | 24 Mp 47 | 2 <b>)</b> 48  | 13°R13          | 7°R49          | 4°D 9        | 3 <b>M</b> 0  | 18 <b>궁</b> 48 | 6 <b>Υ</b> 4  | S 1  |
| S 2  | 6 44 21 | 11° 4'05 | 20°45          | 2°22          | 24°21         | 27°25          | 18°55           | 24°48    | 2°51           | 13 <b>Ω</b> 11  | 79548          | 4 <b>M</b> 9 | 2°57          | 18°55          | 6° 5          | S 2  |
| M 3  | 6 48 17 | 12° 5'15 | 3M26           | 3°56          | 25°31         | 28°12          | 18°55           | 24°48    | 2°53           | 13°10           | 7°47           | 4°R10        | 2°54          | 19° 2          | 6° 6          | M 3  |
| T 4  | 6 52 14 | 13° 6'25 | 15°49          | 5°30          | 26°41         | 28°59          | 18°R55          | 24°R48   | 2°56           | 13° 8           | 7°46           | 4° 9         | 2°51          | 19°8           | 6° 6          | T 4  |
| W 5  | 6 56 11 | 14° 7'35 | 28° 0          | 7° 4          | 27°51         | 29°45          | 18°55           | 24°48    | 2°58           | 13° 7           | 7°44           | 4° 6         | 2°47          | 19°15          | 6° 7          | W 5  |
| T 6  | 7 0 7   | 15° 8'46 | 10 <b>×</b> 3  | 8°39          | 29° 0         | 0 <b>)</b> €32 | 18°54           | 24°48    | 3° 1           | 13° 6           | 7°43           | 4° 1         | 2°44          | 19°22          | 6°8           | T 6  |
| F 7  | 7 4 4   | 16° 9'57 | 21°59          | 10°14         | 0 <b>)</b> 10 | 1°18           | 18°54           | 24°48    | 3° 3           | 13° 4           | 7°42           | 3°52         | 2°41          | 19°28          | 6°10          | F 7  |
| S 8  | 7 8 0   | 17°11'07 | 3 <b>궁</b> 53  | 11°49         | 1°19          | 2° 5           | 18°53           | 24°47    | 3° 6           | 13° 3           | 7°41           | 3°41         | 2°38          | 19°35          | 6°11          | S 8  |
| S 9  | 7 11 57 | 18°12'17 | 15°45          | 13°25         | 2°29          | 2°51           | 18°52           | 24°47    | 3° 9           | 13° 1           | 7°39           | 3°27         | 2°35          | 19°42          | 6°12          | S 9  |
| M10  | 7 15 53 | 19°13'27 | 27°37          | 15° 1         | 3°38          | 3°38           | 18°51           | 24°46    | 3°11           | 13° 0           | 7°38           | 3°13         | 2°32          | 19°49          | 6°13          | M10  |
| T 11 | 7 19 50 | 20°14'37 | 9≈30           | 16°38         | 4°47          | 4°25           | 18°50           | 24°46    | 3°14           | 12°58           | 7°37           | 2°58         | 2°28          | 19°55          | 6°14          | T 11 |
| W12  | 7 23 47 | 21°15'47 | 21°25          | 18°15         | 5°56          | 5°11           | 18°48           | 24°45    | 3°17           | 12°57           | 7°36           | 2°45         | 2°25          | 20° 2          | 6°16          | W12  |
| T 13 | 7 27 43 | 22°16'55 | 3 <b>∺</b> 25  | 19°53         | 7° 4          | 5°58           | 18°47           | 24°44    | 3°20           | 12°55           | 7°35           | 2°33         | 2°22          | 20° 9          | 6°17          | T 13 |
| F 14 | 7 31 40 | 23°18'04 | 15°32          | 21°31         | 8°13          | 6°44           | 18°45           | 24°43    | 3°22           | 12°54           | 7°33           | 2°25         | 2°19          | 20°15          | 6°19          | F 14 |
| S 15 | 7 35 36 | 24°19'11 | 27°48          | 23°10         | 9°21          | 7°31           | 18°43           | 24°42    | 3°25           | 12°52           | 7°32           | 2°20         | 2°16          | 20°22          | 6°20          | S 15 |
| S 16 | 7 39 33 | 25°20'18 | 10 <b>Y</b> 18 | 24°49         | 10°29         | 8°17           | 18°41           | 24°41    | 3°28           | 12°50           | 7°31           | 2°18         | 2°13          | 20°29          | 6°22          | S 16 |
| M17  | 7 43 29 | 26°21'24 | 23° 6          | 26°29         | 11°37         | 9° 4           | 18°38           | 24°39    | 3°31           | 12°49           | 7°30           | 2°17         | 2° 9          | 20°36          | 6°23          | M17  |
| T 18 | 7 47 26 | 27°22'29 | 6816           | 28° 9         | 12°45         | 9°50           | 18°36           | 24°38    | 3°34           | 12°47           | 7°29           | 2°17         | 2° 6          | 20°42          | 6°25          | T 18 |
| W19  | 7 51 22 | 28°23'33 | 19°52          | 29°50         | 13°52         | 10°37          | 18°33           | 24°36    | 3°37           | 12°46           | 7°28           | 2°16         | 2° 3          | 20°49          | 6°26          | W19  |
| T 20 | 7 55 19 | 29°24'37 | 3 <b>Ⅱ</b> 55  | 1≈31          | 14°59         | 11°23          | 18°30           | 24°35    | 3°40           | 12°44           | 7°26           | 2°14         | 2° 0          | 20°56          | 6°28          | T 20 |
| F 21 | 7 59 16 | 0≈25'40  | 18°27          | 3°13          | 16° 6         | 12° 9          | 18°27           | 24°33    | 3°43           | 12°42           | 7°25           | 2° 8         | 1°57          | 21° 3          | 6°30          | F 21 |
| S 22 | 8 3 12  | 1°26'41  | 39524          | 4°55          | 17°13         | 12°56          | 18°23           | 24°31    | 3°46           | 12°41           | 7°24           | 2° 0         | 1°53          | 21° 9          | 6°32          | S 22 |
| S 23 | 8 7 9   | 2°27'42  | 18°38          | 6°38          | 18°20         | 13°42          | 18°20           | 24°29    | 3°49           | 12°39           | 7°23           | 1°50         | 1°50          | 21°16          | 6°34          | S 23 |
| M24  | 8 11 5  | 3°28'42  | 4 <b>Ω</b> 0   | 8°21          | 19°26         | 14°28          | 18°16           | 24°27    | 3°52           | 12°37           | 7°22           | 1°38         | 1°47          | 21°23          | 6°36          | M24  |
| T 25 | 8 15 2  | 4°29'41  | 19°17          | 10° 5         | 20°32         | 15°15          | 18°12           | 24°25    | 3°55           | 12°36           | 7°21           | 1°27         | 1°44          | 21°29          | 6°38          | T 25 |
| W26  | 8 18 58 | 5°30'39  | 4 Mp 18        | 11°49         | 21°38         | 16° 1          | 18° 8           | 24°23    | 3°58           | 12°34           | 7°20           | 1°17         | 1°41          | 21°36          | 6°40          | W26  |
| T 27 | 8 22 55 | 6°31'37  | 18°55          | 13°34         | 22°44         | 16°47          | 18° 4           | 24°21    | 4° 1           | 12°32           | 7°19           | 1° 9         | 1°38          | 21°43          | 6°42          | T 27 |
| F 28 | 8 26 51 | 7°32'34  | 3 <b>₾</b> 2   | 15°19         | 23°49         | 17°34          | 18° 0           | 24°18    | 4° 5           | 12°31           | 7°18           | 1° 4         | 1°34          | 21°50          | 6°44          | F 28 |
| S 29 | 8 30 48 | 8°33'30  | 16°39          | 17° 4         | 24°54         | 18°20          | 17°55           | 24°16    | 4° 8           | 12°29           | 7°17           | 1° 2         | 1°31          | 21°56          | 6°46          | S 29 |
| S 30 | 8 34 45 | 9°34'26  | 29°47          | 18°50         | 25°59         | 19° 6          | 17°50           | 24°13    | 4°11           | 12°27           | 7°16           | 1°D 1        | 1°28          | 22° 3          | 6°48          | S 30 |
| M31  | 8 38 41 | 10≈35'20 | 12 <b>M</b> 30 | 20≈35         | 27 <b>∺</b> 3 | 19 <b>米</b> 52 | 17 <b>M</b> )45 | 24 Mp 10 | 4 <b>)</b> €14 | 12 <b>\O</b> 26 | 7 <b>9</b> 515 | 1°R 1        | 1 <b>M</b> 25 | 22 <b>궁</b> 10 | 6 <b>Υ</b> 50 | M31  |

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FEBRUARY 1921 00:00 UT

| Day  | Sid.t    | 0                | 9              | φ              | Q.             | ð              | 4              | ħ        | )ұ(             | ¥               | Р            | n              | Ω              | ţ              | κ <sub>O</sub> | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|----------|-----------------|-----------------|--------------|----------------|----------------|----------------|----------------|------|
| T 1  | 8 42 38  | 11≈36'14         | 24M53          | 22≈20          | 28 <b>米</b> 7  | 20 <b>)</b> 38 | 17°R40         | 24°R 8   | 4 <b>) (</b> 17 | 12°R24          | 7°R14        | 1°R 1          | 1 <b>M</b> 22  | 22 <b>궁</b> 16 | 6 <b>Ƴ</b> 53  | T 1  |
| W 2  | 8 46 34  | 12°37'08         | 7 <b>.₹</b> 2  | 24° 5          | 29°11          | 21°24          | 17 <b>m</b> 35 | 24 Mp 5  | 4°21            | $12\Omega_{22}$ | <b>79</b> 13 | 0 <b>M</b> .58 | 1°19           | 22°23          | 6°55           | W 2  |
| T 3  | 8 50 31  | 13°38'00         | 19° 0          | 25°50          | 0 <b>Υ</b> 14  | 22°10          | 17°30          | 24° 2    | 4°24            | 12°21           | 7°12         | 0°53           | 1°15           | 22°30          | 6°57           | T 3  |
| F 4  | 8 54 27  | 14°38'52         | 0 <b>궁</b> 52  | 27°34          | 1°17           | 22°57          | 17°24          | 23°59    | 4°27            | 12°19           | 7°11         | 0°45           | 1°12           | 22°37          | 7° 0           | F 4  |
| S 5  | 8 58 24  | 15°39'42         | 12°43          | 29°17          | 2°20           | 23°43          | 17°19          | 23°56    | 4°31            | 12°17           | 7°10         | 0°35           | 1° 9           | 22°43          | 7° 2           | S 5  |
| S 6  | 9 2 20   | 16°40'32         | 24°34          | 0 <b>)</b> €58 | 3°23           | 24°29          | 17°13          | 23°52    | 4°34            | 12°15           | 7° 9         | 0°22           | 1° 6           | 22°50          | 7° 5           | S 6  |
| M 7  | 9 6 17   | 17°41'20         | 6≈28           | 2°38           | 4°25           | 25°15          | 17° 7          | 23°49    | 4°37            | 12°14           | 7° 8         | 0° 8           | 1° 3           | 22°57          | 7° 7           | M 7  |
| T 8  | 9 10 14  | 18°42'07         | 18°25          | 4°16           | 5°26           | 26° 1          | 17° 1          | 23°46    | 4°40            | 12°12           | 7° 7         | 29 <b>≏</b> 54 | 0°59           | 23° 4          | 7°10           | T 8  |
| W 9  | 9 14 10  | 19°42'53         | 0 <b>∺</b> 29  | 5°51           | 6°28           | 26°46          | 16°55          | 23°42    | 4°44            | 12°10           | 7° 6         | 29°41          | 0°56           | 23°10          | 7°12           | W 9  |
| T 10 | 9 18 7   | 20°43'38         | 12°38          | 7°23           | 7°29           | 27°32          | 16°48          | 23°39    | 4°47            | 12° 9           | 7° 5         | 29°30          | 0°53           | 23°17          | 7°15           | T 10 |
| F 11 | 9 22 3   | 21°44'21         | 24°55          | 8°51           | 8°29           | 28°18          | 16°42          | 23°35    | 4°51            | 12° 7           | 7° 5         | 29°22          | 0°50           | 23°24          | 7°17           | F 11 |
| S 12 | 9 26 0   | 22°45'02         | 7 <b>Ƴ</b> 21  | 10°15          | 9°29           | 29° 4          | 16°35          | 23°31    | 4°54            | 12° 5           | 7° 4         | 29°17          | 0°47           | 23°30          | 7°20           | S 12 |
| S 13 | 9 29 56  | 23°45'42         | 19°59          | 11°33          | 10°29          | 29°50          | 16°29          | 23°28    | 4°57            | 12° 4           | 7° 3         | 29°15          | 0°44           | 23°37          | 7°23           | S 13 |
| M14  | 9 33 53  | 24°46'20         | 2 <b>8</b> 50  | 12°46          | 11°28          | 0 <b>Υ</b> 36  | 16°22          | 23°24    | 5° 1            | 12° 2           | 7° 2         | 29°D14         | 0°40           | 23°44          | 7°26           | M14  |
| T 15 | 9 37 49  | 25°46'57         | 16° 0          | 13°53          | 12°26          | 1°21           | 16°15          | 23°20    | 5° 4            | 12° 1           | 7° 1         | 29°15          | 0°37           | 23°51          | 7°28           | T 15 |
| W16  | 9 41 46  | 26°47'31         | 29°29          | 14°53          | 13°24          | 2° 7           | 16° 8          | 23°16    | 5° 8            | 11°59           | 7° 1         | 29°R15         | 0°34           | 23°57          | 7°31           | W16  |
| T 17 | 9 45 42  | 27°48'04         | 13 <b>Ⅱ</b> 21 | 15°44          | 14°22          | 2°53           | 16° 1          | 23°12    | 5°11            | 11°57           | 7° 0         | 29°14          | 0°31           | 24° 4          | 7°34           | T 17 |
| F 18 | 9 49 39  | 28°48'36         | 27°37          | 16°27          | 15°19          | 3°38           | 15°54          | 23° 8    | 5°14            | 11°56           | 6°59         | 29°11          | 0°28           | 24°11          | 7°37           | F 18 |
| S 19 | 9 53 36  | 29°49'05         | 129514         | 17° 1          | 16°16          | 4°24           | 15°47          | 23° 4    | 5°18            | 11°54           | 6°59         | 29° 5          | 0°25           | 24°17          | 7°40           | S 19 |
| S 20 | 9 57 32  | 0 <b>)</b> 49'33 | 27° 9          | 17°26          | 17°11          | 5° 9           | 15°39          | 23° 0    | 5°21            | 11°53           | 6°58         | 28°57          | 0°21           | 24°24          | 7°43           | S 20 |
| M21  | 10 1 29  | 1°49'58          | 12 <b>Ω</b> 13 | 17°41          | 18° 7          | 5°55           | 15°32          | 22°55    | 5°25            | 11°51           | 6°57         | 28°49          | 0°18           | 24°31          | 7°46           | M21  |
| T 22 | 10 5 25  | 2°50'22          | 27°17          | 17°R45         | 19° 1          | 6°40           | 15°24          | 22°51    | 5°28            | 11°49           | 6°57         | 28°40          | 0°15           | 24°38          | 7°49           | T 22 |
| W23  | 10 9 22  | 3°50'44          | 12 <b>M</b> 12 | 17°40          | 19°55          | 7°26           | 15°17          | 22°47    | 5°32            | 11°48           | 6°56         | 28°32          | 0°12           | 24°44          | 7°52           | W23  |
| T 24 | 10 13 18 | 4°51'05          | 26°48          | 17°25          | 20°49          | 8°11           | 15° 9          | 22°42    | 5°35            | 11°46           | 6°55         | 28°26          | 0° 9           | 24°51          | 7°55           | T 24 |
| F 25 | 10 17 15 | 5°51'24          | 10 <b>≏</b> 59 | 17° 0          | 21°41          | 8°56           | 15° 2          | 22°38    | 5°39            | 11°45           | 6°55         | 28°22          | 0° 5           | 24°58          | 7°58           | F 25 |
| S 26 | 10 21 11 | 6°51'41          | 24°43          | 16°27          | 22°33          | 9°42           | 14°54          | 22°34    | 5°42            | 11°43           | 6°54         | 28°D20         | 0° 2           | 25° 5          | 8° 1           | S 26 |
| S 27 | 10 25 8  | 7°51'57          | 7 <b>M</b> 59  | 15°45          | 23°24          | 10°27          | 14°46          | 22°29    | 5°45            | 11°42           | 6°54         | 28°21          | 29 <b>£</b> 59 | 25°11          | 8° 4           | S 27 |
| M28  | 10 29 5  | 8 <b>¥</b> 52'12 | 20 <b>M</b> 49 | 14 <b>米</b> 57 | 24 <b>Y</b> 15 | 11 <b>Y</b> 12 | 14 <b>M</b> 39 | 22 Mp 25 | 5 <b>)</b> 49   | 11 <b>Ω</b> 40  | 6953         | 28 <b>Ω</b> 22 | 29 <b>≙</b> 56 | 25 <b>ට</b> 18 | 8 <b>℃</b> 7   | M28  |

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MARCH 1921 00:00 UT

| Day          | Sid.t                | 0                            | D                       | ğ              | φ              | ð              | 4                       | ħ              | )f(                | ¥              | Р             | Ω.             | ß              | ţ                       | ę,            | Day          |
|--------------|----------------------|------------------------------|-------------------------|----------------|----------------|----------------|-------------------------|----------------|--------------------|----------------|---------------|----------------|----------------|-------------------------|---------------|--------------|
| T 1          | 10 33 1              | 9 <b>¥</b> 52'25             | 3 <b>₹</b> 18           | 14°R 3         | 25 <b>Y</b> 4  | 11 <b>Y</b> 57 | 14°R31                  | 22°R20         | 5 <b>¥</b> 52      | 11°R39         | 6°R53         | 28 <b>≏</b> 23 | 29 <b>ჲ</b> 53 | 25 <b>る</b> 25          | 8 <b>Y</b> 11 | T 1          |
| W 2          | 10 36 58             | 10°52'36                     | 15°29                   | 13 <b>)</b> 5  | 25°53          | 12°42          | 14 Mp 23                | 22 Mp 15       | 5°56               | 11037          | 6952          | 28°R23         | 29°50          | 25°31                   | 8°14          | W 2          |
| T 3<br>F 4   | 10 40 54<br>10 44 51 | 11°52'46<br>12°52'55         | 27°29<br>9 <b>♂</b> 23  | 12° 4<br>11° 2 | 26°41<br>27°28 | 13°27<br>14°12 | 14°15<br>14° 7          | 22°11<br>22° 6 | 5°59<br>6°3        | 11°36<br>11°35 | 6°52<br>6°52  | 28°22<br>28°18 | 29°46<br>29°43 | 25°38<br>25°45          | 8°17<br>8°20  | T 3<br>F 4   |
| S 5          | 10 44 31             | 12°53'02                     | 21°13                   | 10° 0          | 28°14          | 14°57          | 13°59                   | 22° 1          | 6° 6               | 11°33          | 6°51          | 28°13          | 29°40          | 25°52                   | 8°24          | S 5          |
| S 6          | 10 52 44             | 14°53'07                     | 3≈ 6                    | 9° 0           | 28°59          | 15°42          | 13°52                   | 21°57          | 6°10               | 11°32          | 6°51          | 28° 6          | 29°37          | 25°58                   | 8°27          | S 6          |
| M 7          | 10 56 40             | 15°53'10                     | 15° 2                   | 8° 3           | 29°43          | 16°27          | 13°44                   | 21°52          | 6°13               | 11°31          | 6°50          | 27°58          | 29°34          | 26° 5                   | 8°30          | M 7          |
| T 8          | 11 037               | 16°53'12                     | 27° 6                   | 7° 9           | 0 <b>8</b> 26  | 17°12          | 13°36                   | 21°47          | 6°16               | 11°29          | 6°50          | 27°49          | 29°30          | 26°12                   | 8°33          | T 8          |
| W 9          | 11 4 34              | 17°53'12                     | 9 <b>∺</b> 18           | 6°20           | 1° 8           | 17°57          | 13°28                   | 21°43          | 6°20               | 11°28          | 6°50          | 27°42          | 29°27          | 26°18                   | 8°37          | W 9          |
| T 10         | 11 8 30              | 18°53'09                     | 21°40<br>4 <b>Y</b> 13  | 5°37<br>5° 0   | 1°49<br>2°29   | 18°42<br>19°27 | 13°20                   | 21°38          | 6°23<br>6°27       | 11°27<br>11°25 | 6°50<br>6°49  | 27°36          | 29°24<br>29°21 | 26°25                   | 8°40<br>8°44  | T 10<br>F 11 |
| F 11<br>S 12 | 11 12 27<br>11 16 23 | 19°53'05<br>20°52'59         | 16°57                   | 4°28           | 3° 7           | 20°11          | 13°12<br>13° 5          | 21°33<br>21°28 | 6°30               | 11°23          | 6°49          | 27°31<br>27°29 | 29°21<br>29°18 | 26°32<br>26°39          | 8°44<br>8°47  | S 12         |
| S 13         | 11 20 20             | 21°52'51                     | 29°52                   | 4° 4           | 3°45           | 20°56          | 12°57                   | 21°24          | 6°33               | 11°23          | 6°49          | 27°D29         | 29°15          | 26°45                   | 8°50          | S 13         |
| M14          | 11 20 20             | 21 32 31<br>22°52'41         | 138 0                   | 3°46           | 4°20           | 20°36<br>21°41 | 12°49                   | 21°19          | 6°37               | 11°23          | 6°49          | 27°29          | 29°13          | 26°52                   | 8°54          | M14          |
| T 15         | 11 28 13             | 23°52'29                     | 26°21                   | 3°34           | 4°55           | 22°25          | 12°42                   | 21°14          | 6°40               | 11°21          | 6°48          | 27°31          | 29° 8          | 26°59                   | 8°57          | T 15         |
| W16          | 11 32 9              | 24°52'14                     | 9 <b>Ⅱ</b> 57           | 3°D29          | 5°28           | 23°10          | 12°34                   | 21° 9          | 6°43               | 11°19          | 6°48          | 27°32          | 29° 5          | 27° 6                   | 9° 1          | W16          |
| T 17         | 11 36 6              | 25°51'57                     | 23°48                   | 3°29           | 6° 0           | 23°54          | 12°27                   | 21° 5          | 6°47               | 11°18          | 6°48          | 27°R33         | 29° 2          | 27°12                   | 9° 4          | T 17         |
| F 18<br>S 19 | 11 40 3<br>11 43 59  | 26°51'38<br>27°51'17         | 7 <b>9</b> 54<br>22°14  | 3°36<br>3°48   | 6°30<br>6°58   | 24°39<br>25°23 | 12°19<br>12°12          | 21° 0<br>20°55 | 6°50<br>6°53       | 11°17<br>11°16 | 6°48<br>6°48  | 27°33<br>27°31 | 28°59<br>28°56 | 27°19<br>27°26          | 9° 7<br>9°11  | F 18<br>S 19 |
|              |                      |                              |                         |                |                |                |                         |                |                    |                |               |                |                |                         |               |              |
| S 20         | 11 47 56             | 28°50'53                     | 6 <b>Ω</b> 45<br>21°23  | 4° 6           | 7°25           | 26° 7          | 12° 5                   | 20°50          | 6°56<br>7°0        | 11°15<br>11°14 | 6°48<br>6°D48 | 27°28<br>27°24 | 28°52<br>28°49 | 27°32                   | 9°14          | S 20         |
| M21<br>T 22  | 11 51 52<br>11 55 49 | 29°50'27<br>0 <b>°</b> 49'59 | 6m) 1                   | 4°29<br>4°56   | 7°50<br>8°14   | 26°52<br>27°36 | 11°58<br>11°50          | 20°46<br>20°41 | 7° 0               | 11°14<br>11°13 | 6°48          | 27°24<br>27°20 | 28°49<br>28°46 | 27°39<br>27°46          | 9°18<br>9°21  | M21<br>T 22  |
| W23          | 11 59 45             | 1°49'28                      | 20°32                   | 5°28           | 8°35           | 28°20          | 11°43                   | 20°36          | 7° 6               | 11°12          | 6°48          | 27°17          | 28°43          | 27°53                   | 9°25          | W23          |
| T 24         | 12 3 42              | 2°48'55                      | 4 <b>≙</b> 51           | 6° 4           | 8°55           | 29° 4          | 11°37                   | 20°32          | 7° 9               | 11°11          | 6°48          | 27°14          | 28°40          | 27°59                   | 9°28          | T 24         |
| F 25         | 12 7 38              | 3°48'21                      | 18°51                   | 6°44           | 9°13           | 29°48          | 11°30                   | 20°27          | 7°13               | 11°10          | 6°48          | 27°13          | 28°36          | 28° 6                   | 9°32          | F 25         |
| S 26         | 12 11 35             | 4°47'44                      | 2 <b>M</b> .30          | 7°28           | 9°28           | 0 <b>8</b> 32  | 11°23                   | 20°23          | 7°16               | 11°10          | 6°48          | 27°D13         | 28°33          | 28°13                   | 9°35          | S 26         |
| S 27         | 12 15 31             | 5°47'05                      | 15°45                   | 8°16           | 9°42           | 1°16           | 11°16                   | 20°18          | 7°19               | 11° 9          | 6°48          | 27°13          | 28°30          | 28°19                   | 9°39          | S 27         |
| M28          | 12 19 28             | 6°46'25                      | 28°39                   | 9° 7           | 9°53<br>10° 2  | 2° 0           | 11°10                   | 20°14          | 7°22               | 11° 8          | 6°48          | 27°15          | 28°27          | 28°26                   | 9°42          | M28          |
| T 29<br>W30  | 12 23 25<br>12 27 21 | 7°45'43<br>8°44'59           | 11 <b>×</b> 12<br>23°28 | 10° 1<br>10°58 | 10° 2          | 2°44<br>3°28   | 11° 4<br>10°57          | 20° 9<br>20° 5 | 7°25<br>7°28       | 11° 7<br>11° 6 | 6°49<br>6°49  | 27°16<br>27°18 | 28°24<br>28°21 | 28°33<br>28°40          | 9°46<br>9°50  | T 29<br>W30  |
| T 31         | 12 31 18             | 9 <b>°</b> 44'13             | 5 <b>공</b> 31           | 11 <b>)</b> 58 | 10814          | 4 <b>8</b> 12  | 10 37<br>10 <b>m</b> 51 | 20 m 1         | 7 <del>)(</del> 31 | 110 6          | 6949          | 27°R18         | 28 <b>2</b> 17 | 28 40<br>28 <b>3</b> 46 | 9 <b>Υ</b> 53 | T 31         |

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| Day  | Sid.t    | 0                 | D               | ğ              | φ              | ♂              | 4              | ħ              | )ұ(             | ¥              | Р             | N.             | U              | Ç              | ę,             | Day  |
|------|----------|-------------------|-----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|---------------|----------------|----------------|----------------|----------------|------|
| F 1  | 12 35 14 | 10 <b>Y</b> 43'26 | 17 <b>云</b> 27  | 13 <b>)</b> 0  | 10°R16         | 4 <b>8</b> 55  | 10°R45         | 19°R56         | 7 <b>) (</b> 34 | 11°R 5         | 69649         | 27°R18         | 28 <b>≏</b> 14 | 28 <b>궁</b> 53 | 9 <b>Ƴ</b> 57  | F 1  |
| S 2  | 12 39 11 | 11°42'36          | 29°20           | 14° 5          | 10816          | 5°39           | 10 <b>m</b> 39 | 19 <b>m</b> 52 | 7°37            | 11 <b>0</b> 4  | 6°50          | 27 <b>≙</b> 17 | 28°11          | 29° 0          | 10° 0          | S 2  |
| S 3  | 12 43 7  | 12°41'45          | 11 <b>≈</b> 13  | 15°13          | 10°14          | 6°23           | 10°33          | 19°48          | 7°40            | 11° 4          | 6°50          | 27°16          | 28° 8          | 29° 7          | 10° 4          | S 3  |
| M 4  | 12 47 4  | 13°40'52          | 23°13           | 16°23          | 10° 9          | 7° 6           | 10°28          | 19°44          | 7°43            | 11° 3          | 6°50          | 27°14          | 28° 5          | 29°13          | 10° 7          | M 4  |
| T 5  | 12 51 0  | 14°39'57          | 5 <b>∺</b> 21   | 17°35          | 10° 1          | 7°50           | 10°22          | 19°40          | 7°46            | 11° 2          | 6°50          | 27°12          | 28° 1          | 29°20          | 10°11          | T 5  |
| W 6  | 12 54 57 | 15°39'01          | 17°41           | 18°49          | 9°52           | 8°34           | 10°17          | 19°36          | 7°49            | 11° 2          | 6°51          | 27°10          | 27°58          | 29°27          | 10°14          | W 6  |
| T 7  | 12 58 54 | 16°38'02          | 0 <b>Υ</b> 15   | 20° 5          | 9°39           | 9°17           | 10°12          | 19°32          | 7°52            | 11° 1          | 6°51          | 27° 9          | 27°55          | 29°33          | 10°18          | T 7  |
| F 8  | 13 2 50  | 17°37'01          | 13° 4           | 21°23          | 9°24           | 10° 1          | 10° 7          | 19°28          | 7°55            | 11° 1          | 6°52          | 27° 8          | 27°52          | 29°40          | 10°21          | F 8  |
| S 9  | 13 6 47  | 18°35'59          | 26° 9           | 22°44          | 9° 7           | 10°44          | 10° 2          | 19°24          | 7°58            | 11° 0          | 6°52          | 27°D 8         | 27°49          | 29°47          | 10°25          | S 9  |
| S 10 | 13 10 43 | 19°34'54          | 9 <b>8</b> 28   | 24° 6          | 8°48           | 11°27          | 9°57           | 19°20          | 8° 0            | 11° 0          | 6°52          | 27° 8          | 27°46          | 29°54          | 10°28          | S 10 |
| M11  | 13 14 40 | 20°33'47          | 23° 0           | 25°29          | 8°26           | 12°11          | 9°53           | 19°16          | 8° 3            | 11° 0          | 6°53          | 27° 9          | 27°42          | 0≈ 0           | 10°32          | M11  |
| T 12 | 13 18 36 | 21°32'39          | 6 <b>Ⅱ</b> 45   | 26°55          | 8° 2           | 12°54          | 9°48           | 19°13          | 8° 6            | 10°59          | 6°53          | 27° 9          | 27°39          | 0° 7           | 10°35          | T 12 |
| W13  | 13 22 33 | 22°31'28          | 20°40           | 28°23          | 7°36           | 13°37          | 9°44           | 19° 9          | 8° 9            | 10°59          | 6°54          | 27°10          | 27°36          | 0°14           | 10°39          | W13  |
| T 14 | 13 26 29 | 23°30'14          | 49543           | 29°52          | 7° 7           | 14°20          | 9°40           | 19° 6          | 8°11            | 10°59          | 6°54          | 27°10          | 27°33          | 0°21           | 10°42          | T 14 |
| F 15 | 13 30 26 | 24°28'59          | 18°52           | 1 <b>Y</b> 23  | 6°37           | 15° 3          | 9°36           | 19° 2          | 8°14            | 10°58          | 6°55          | 27°R10         | 27°30          | 0°27           | 10°46          | F 15 |
| S 16 | 13 34 23 | 25°27'41          | 3 <b>N</b> 5    | 2°55           | 6° 6           | 15°46          | 9°33           | 18°59          | 8°16            | 10°58          | 6°56          | 27°10          | 27°27          | 0°34           | 10°49          | S 16 |
| S 17 | 13 38 19 | 26°26'21          | 17°20           | 4°29           | 5°32           | 16°29          | 9°29           | 18°56          | 8°19            | 10°58          | 6°56          | 27°10          | 27°23          | 0°41           | 10°52          | S 17 |
| M18  | 13 42 16 | 27°24'58          | 1 <b>m</b> p 34 | 6° 5           | 4°58           | 17°12          | 9°26           | 18°52          | 8°22            | 10°58          | 6°57          | 27°D10         | 27°20          | 0°47           | 10°56          | M18  |
| T 19 | 13 46 12 | 28°23'34          | 15°44           | 7°43           | 4°22           | 17°55          | 9°22           | 18°49          | 8°24            | 10°58          | 6°57          | 27°10          | 27°17          | 0°54           | 10°59          | T 19 |
| W20  | 13 50 9  | 29°22'07          | 29°46           | 9°22           | 3°45           | 18°38          | 9°19           | 18°46          | 8°27            | 10°58          | 6°58          | 27°10          | 27°14          | 1° 1           | 11° 3          | W20  |
| T 21 | 13 54 5  | 0820'38           | 13 <b>≏</b> 37  | 11° 3          | 3° 8           | 19°21          | 9°17           | 18°43          | 8°29            | 10°58          | 6°59          | 27°11          | 27°11          | 1°8            | 11° 6          | T 21 |
| F 22 | 13 58 2  | 1°19'07           | 27°15           | 12°46          | 2°30           | 20° 3          | 9°14           | 18°40          | 8°31            | 10°D58         | 7° 0          | 27°R11         | 27° 7          | 1°14           | 11° 9          | F 22 |
| S 23 | 14 1 58  | 2°17'34           | 10 <b>M</b> 37  | 14°30          | 1°52           | 20°46          | 9°11           | 18°38          | 8°34            | 10°58          | 7° 0          | 27°10          | 27° 4          | 1°21           | 11°13          | S 23 |
| S 24 | 14 5 55  | 3°16'00           | 23°42           | 16°16          | 1°14           | 21°29          | 9° 9           | 18°35          | 8°36            | 10°58          | 7° 1          | 27°10          | 27° 1          | 1°28           | 11°16          | S 24 |
| M25  | 14 9 51  | 4°14'23           | 6 <b>₮</b> 30   | 18° 3          | 0°37           | 22°11          | 9° 7           | 18°32          | 8°38            | 10°58          | 7° 2          | 27° 9          | 26°58          | 1°34           | 11°19          | M25  |
| T 26 | 14 13 48 | 5°12'45           | 19° 1           | 19°53          | 29 <b>Y</b> 59 | 22°54          | 9° 5           | 18°30          | 8°41            | 10°58          | 7° 3          | 27° 8          | 26°55          | 1°41           | 11°23          | T 26 |
| W27  | 14 17 45 | 6°11'06           | 1 <b>ਰ</b> 17   | 21°44          | 29°24          | 23°36          | 9° 3           | 18°27          | 8°43            | 10°58          | 7° 3          | 27° 7          | 26°52          | 1°48           | 11°26          | W27  |
| T 28 | 14 21 41 | 7° 9'24           | 13°22           | 23°37          | 28°49          | 24°19          | 9° 2           | 18°25          | 8°45            | 10°58          | 7° 4          | 27° 6          | 26°48          | 1°55           | 11°29          | T 28 |
| F 29 | 14 25 38 | 8° 7'42           | 25°20           | 25°31          | 28°15          | 25° 1          | 9° 0           | 18°23          | 8°47            | 10°58          | 7° 5          | 27° 5          | 26°45          | 2° 1           | 11°33          | F 29 |
| S 30 | 14 29 34 | 9 <b>8</b> 5'57   | 7≈13            | 27 <b>Y</b> 27 | 27 <b>Y</b> 43 | 25 <b>8</b> 44 | 8 <b>m</b> 59  | 18 <b>m</b> 21 | 8 <b>) (</b> 49 | 10 <b>Ω</b> 59 | 7 <b>95</b> 6 | 27°D 5         | 26 <b>≏</b> 42 | 2≈ 8           | 11 <b>Y</b> 36 | S 30 |

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|------|----------|----------|----------------|----------------|----------------|----------------|---------------|-----------------|---------------|-----------------|-------|----------------|----------------|------|----------------|------|
| S 1  | 14 33 31 | 108 4'11 | 19≈ 7          | 29 <b>Y</b> 25 | 27°R12         | 26826          | 8°R58         | 18°R19          | 8 <b>)</b> 51 | 10 <b>Ω</b> 59  | 799 7 | 27 <b>♀</b> 5  | 26 <b>₽</b> 39 | 2≈15 | 11 <b>Y</b> 39 | S 1  |
| M 2  | 14 37 27 | 11° 2'24 | 1 <b>)</b> 7   | 1825           | 26 <b>Y</b> 43 | 27° 8          | 8 <b>m</b> 57 | 18 <b>M</b> )17 | 8°53          | 10°59           | 7° 8  | 27° 6          | 26°36          | 2°22 | 11°42          | M 2  |
| T 3  | 14 41 24 | 12° 0'35 | 13°17          | 3°26           | 26°16          | 27°51          | 8°57          | 18°15           | 8°55          | 11° 0           | 7° 9  | 27° 7          | 26°33          | 2°28 | 11°45          | T 3  |
| W 4  | 14 45 20 | 12°58'45 | 25°41          | 5°28           | 25°52          | 28°33          | 8°56          | 18°13           | 8°57          | 11° 0           | 7°10  | 27° 8          | 26°29          | 2°35 | 11°48          | W 4  |
| T 5  | 14 49 17 | 13°56'53 | 8 <b>Y</b> 23  | 7°33           | 25°29          | 29°15          | 8°56          | 18°11           | 8°59          | 11° 0           | 7°10  | 27°10          | 26°26          | 2°42 | 11°52          | T 5  |
| F 6  | 14 53 14 | 14°54'59 | 21°24          | 9°38           | 25° 9          | 29°57          | 8°D56         | 18°10           | 9° 1          | 11° 1           | 7°11  | 27°R10         | 26°23          | 2°48 | 11°55          | F 6  |
| S 7  | 14 57 10 | 15°53'04 | 4 <b>8</b> 45  | 11°45          | 24°51          | 0 <b>П</b> 39  | 8°56          | 18° 8           | 9° 3          | 11° 1           | 7°12  | 27°10          | 26°20          | 2°55 | 11°58          | S 7  |
| S 8  | 15 1 7   | 16°51'08 | 18°27          | 13°53          | 24°35          | 1°21           | 8°56          | 18° 7           | 9° 5          | 11° 2           | 7°13  | 27° 9          | 26°17          | 3° 2 | 12° 1          | S 8  |
| M 9  | 15 5 3   | 17°49'10 | 2∏26           | 16° 2          | 24°22          | 2° 3           | 8°57          | 18° 6           | 9° 6          | 11° 2           | 7°14  | 27° 7          | 26°13          | 3° 9 | 12° 4          | M 9  |
| T 10 | 15 9 0   | 18°47'10 | 16°39          | 18°12          | 24°11          | 2°45           | 8°57          | 18° 4           | 9°8           | 11° 3           | 7°16  | 27° 4          | 26°10          | 3°15 | 12° 7          | T 10 |
| W11  | 15 12 56 | 19°45'09 | 199 1          | 20°23          | 24° 3          | 3°27           | 8°58          | 18° 3           | 9°10          | 11° 4           | 7°17  | 27° 1          | 26° 7          | 3°22 | 12°10          | W11  |
| T 12 | 15 16 53 | 20°43'05 | 15°26          | 22°33          | 23°57          | 4° 9           | 8°59          | 18° 2           | 9°11          | 11° 4           | 7°18  | 26°59          | 26° 4          | 3°29 | 12°13          | T 12 |
| F 13 | 15 20 49 | 21°41'00 | 29°50          | 24°44          | 23°53          | 4°50           | 9° 0          | 18° 1           | 9°13          | 11° 5           | 7°19  | 26°56          | 26° 1          | 3°35 | 12°15          | F 13 |
| S 14 | 15 24 46 | 22°38'54 | 14 <b>N</b> 9  | 26°55          | 23°D52         | 5°32           | 9° 2          | 18° 1           | 9°14          | 11° 6           | 7°20  | 26°55          | 25°58          | 3°42 | 12°18          | S 14 |
| S 15 | 15 28 43 | 23°36'45 | 28°19          | 29° 5          | 23°53          | 6°14           | 9° 3          | 18° 0           | 9°16          | 11° 6           | 7°21  | 26°D55         | 25°54          | 3°49 | 12°21          | S 15 |
| M16  | 15 32 39 | 24°34'34 | 12 Mp 20       | 1 <b>Ⅱ</b> 15  | 23°57          | 6°55           | 9° 5          | 17°59           | 9°17          | 11° 7           | 7°22  | 26°56          | 25°51          | 3°56 | 12°24          | M16  |
| T 17 | 15 36 36 | 25°32'22 | 26° 8          | 3°23           | 24° 2          | 7°37           | 9° 7          | 17°59           | 9°19          | 11°8            | 7°23  | 26°57          | 25°48          | 4° 2 | 12°27          | T 17 |
| W18  | 15 40 32 | 26°30'08 | 9 <b>≙</b> 45  | 5°30           | 24°10          | 8°19           | 9° 9          | 17°59           | 9°20          | 11° 9           | 7°24  | 26°58          | 25°45          | 4° 9 | 12°30          | W18  |
| T 19 | 15 44 29 | 27°27'53 | 23°10          | 7°36           | 24°20          | 9° 0           | 9°11          | 17°58           | 9°21          | 11°10           | 7°26  | 26°R59         | 25°42          | 4°16 | 12°32          | T 19 |
| F 20 | 15 48 25 | 28°25'36 | 6M23           | 9°40           | 24°32          | 9°41           | 9°13          | 17°58           | 9°23          | 11°10           | 7°27  | 26°59          | 25°38          | 4°23 | 12°35          | F 20 |
| S 21 | 15 52 22 | 29°23'17 | 19°23          | 11°41          | 24°46          | 10°23          | 9°16          | 17°D58          | 9°24          | 11°11           | 7°28  | 26°57          | 25°35          | 4°29 | 12°38          | S 21 |
| S 22 | 15 56 18 | 0Ⅲ20′57  | 2 <b>√</b> 11  | 13°41          | 25° 3          | 11° 4          | 9°19          | 17°58           | 9°25          | 11°12           | 7°29  | 26°54          | 25°32          | 4°36 | 12°40          | S 22 |
| M23  | 16 0 15  | 1°18'36  | 14°46          | 15°38          | 25°21          | 11°46          | 9°22          | 17°58           | 9°26          | 11°13           | 7°30  | 26°49          | 25°29          | 4°43 | 12°43          | M23  |
| T 24 | 16 4 12  | 2°16'14  | 27° 9          | 17°33          | 25°41          | 12°27          | 9°25          | 17°59           | 9°27          | 11°14           | 7°32  | 26°43          | 25°26          | 4°49 | 12°45          | T 24 |
| W25  | 16 8 8   | 3°13'51  | 9 <b>ට</b> 21  | 19°25          | 26° 2          | 13° 8          | 9°28          | 17°59           | 9°28          | 11°15           | 7°33  | 26°37          | 25°23          | 4°56 | 12°48          | W25  |
| T 26 | 16 12 5  | 4°11'26  | 21°24          | 21°15          | 26°26          | 13°49          | 9°32          | 18° 0           | 9°29          | 11°16           | 7°34  | 26°31          | 25°19          | 5° 3 | 12°50          | T 26 |
| F 27 | 16 16 1  | 5° 9'01  | 3≈20           | 23° 2          | 26°51          | 14°30          | 9°35          | 18° 0           | 9°30          | 11°17           | 7°36  | 26°25          | 25°16          | 5°10 | 12°53          | F 27 |
| S 28 | 16 19 58 | 6° 6'34  | 15°13          | 24°45          | 27°18          | 15°12          | 9°39          | 18° 1           | 9°31          | 11°19           | 7°37  | 26°21          | 25°13          | 5°16 | 12°55          | S 28 |
| S 29 | 16 23 54 | 7° 4'07  | 27° 6          | 26°26          | 27°46          | 15°53          | 9°43          | 18° 2           | 9°32          | 11°20           | 7°38  | 26°19          | 25°10          | 5°23 | 12°58          | S 29 |
| M30  | 16 27 51 | 8° 1'39  | 9 <b>)</b> 4   | 28° 5          | 28°16          | 16°34          | 9°47          | 18° 2           | 9°33          | 11°21           | 7°39  | 26°D19         | 25° 7          | 5°30 | 13° 0          | M30  |
| T 31 | 16 31 47 | 8Ⅲ59'10  | 21 <b>米</b> 13 | 29 <b>Ⅱ</b> 40 | 28 <b>Y</b> 47 | 17 <b>Ⅲ</b> 15 | 9 <b>m</b> 51 | 18Mp 3          | 9 <b>米</b> 33 | 11 <b>\O</b> 22 | 79541 | 26 <b>₽</b> 19 | 25 <b>♀</b> 4  | 5≈36 | 13 <b>°</b> 2  | T 31 |

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| Day  | Sid.t    | 0        | D               | ğ      | ·              | ď              | 4               | ħ               | )ţ(            | ¥              | Р     | r,             | v              | Ç    | ę,             | Day  |
|------|----------|----------|-----------------|--------|----------------|----------------|-----------------|-----------------|----------------|----------------|-------|----------------|----------------|------|----------------|------|
| W 1  | 16 35 44 | 9∏56'40  | <b>3</b> Υ36    | 19512  | 29 <b>Y</b> 20 | 17 <b>Ⅲ</b> 56 | 9 <b>m</b> 56   | 18 <b>m</b> ) 5 | 9 <b>)(</b> 34 | 11 <b>Ω</b> 23 | 79542 | 26 <b>₽</b> 21 | 25 <b>♀</b> 0  | 5≈43 | 13 <b>°</b> 4  | W 1  |
| T 2  | 16 39 41 | 10°54'09 | 16°19           | 2°41   | 29°54          | 18°36          | 10° 0           | 18° 6           | 9°35           | 11°25          | 7°44  | 26°22          | 24°57          | 5°50 | 13° 7          | T 2  |
| F 3  | 16 43 37 | 11°51'38 | 29°25           | 4° 7   | 0 <b>8</b> 29  | 19°17          | 10° 5           | 18° 7           | 9°35           | 11°26          | 7°45  | 26°R22         | 24°54          | 5°57 | 13° 9          | F 3  |
| S 4  | 16 47 34 | 12°49'06 | 12856           | 5°30   | 1° 5           | 19°58          | 10°10           | 18° 8           | 9°36           | 11°27          | 7°46  | 26°21          | 24°51          | 6° 3 | 13°11          | S 4  |
| S 5  | 16 51 30 | 13°46'33 | 26°53           | 6°50   | 1°43           | 20°39          | 10°15           | 18°10           | 9°36           | 11°29          | 7°48  | 26°18          | 24°48          | 6°10 | 13°13          | S 5  |
| M 6  | 16 55 27 | 14°43'59 | 11 <b>II</b> 12 | 8° 7   | 2°22           | 21°20          | 10°20           | 18°12           | 9°37           | 11°30          | 7°49  | 26°13          | 24°44          | 6°17 | 13°15          | M 6  |
| T 7  | 16 59 23 | 15°41'25 | 25°50           | 9°21   | 3° 2           | 22° 0          | 10°25           | 18°13           | 9°37           | 11°31          | 7°50  | 26° 6          | 24°41          | 6°24 | 13°17          | T 7  |
| W 8  | 17 3 20  | 16°38'50 | 10938           | 10°31  | 3°43           | 22°41          | 10°31           | 18°15           | 9°37           | 11°33          | 7°52  | 25°58          | 24°38          | 6°30 | 13°19          | W 8  |
| T 9  | 17 7 16  | 17°36'13 | 25°30           | 11°38  | 4°25           | 23°22          | 10°36           | 18°17           | 9°38           | 11°34          | 7°53  | 25°51          | 24°35          | 6°37 | 13°21          | T 9  |
| F 10 | 17 11 13 | 18°33'36 | 10 <b>Ω</b> 15  | 12°42  | 5° 7           | 24° 2          | 10°42           | 18°19           | 9°38           | 11°36          | 7°55  | 25°44          | 24°32          | 6°44 | 13°23          | F 10 |
| S 11 | 17 15 10 | 19°30'58 | 24°48           | 13°42  | 5°51           | 24°43          | 10°48           | 18°21           | 9°38           | 11°37          | 7°56  | 25°40          | 24°29          | 6°50 | 13°25          | S 11 |
| S 12 | 17 19 6  | 20°28'18 | 9 <b>m</b> ) 5  | 14°39  | 6°36           | 25°23          | 10°54           | 18°23           | 9°38           | 11°39          | 7°58  | 25°38          | 24°25          | 6°57 | 13°26          | S 12 |
| M13  | 17 23 3  | 21°25'38 | 23° 3           | 15°32  | 7°21           | 26° 4          | 11° 0           | 18°25           | 9°38           | 11°40          | 7°59  | 25°D37         | 24°22          | 7° 4 | 13°28          | M13  |
| T 14 | 17 26 59 | 22°22'56 | 6 <b>≏</b> 42   | 16°21  | 8° 8           | 26°44          | 11° 7           | 18°28           | 9°R38          | 11°42          | 8° 0  | 25°38          | 24°19          | 7°11 | 13°30          | T 14 |
| W15  | 17 30 56 | 23°20'14 | 20° 3           | 17° 7  | 8°55           | 27°25          | 11°13           | 18°30           | 9°38           | 11°43          | 8° 2  | 25°R38         | 24°16          | 7°17 | 13°32          | W15  |
| T 16 | 17 34 52 | 24°17'31 | 3M 9            | 17°48  | 9°43           | 28° 5          | 11°20           | 18°33           | 9°38           | 11°45          | 8° 3  | 25°38          | 24°13          | 7°24 | 13°33          | T 16 |
| F 17 | 17 38 49 | 25°14'47 | 16° 2           | 18°26  | 10°31          | 28°45          | 11°27           | 18°36           | 9°38           | 11°47          | 8° 5  | 25°36          | 24°10          | 7°31 | 13°35          | F 17 |
| S 18 | 17 42 45 | 26°12'02 | 28°42           | 18°59  | 11°21          | 29°26          | 11°33           | 18°38           | 9°38           | 11°48          | 8° 6  | 25°32          | 24° 6          | 7°37 | 13°36          | S 18 |
| S 19 | 17 46 42 | 27° 9'17 | 11 <b>×</b> 13  | 19°29  | 12°11          | 0ණ 6           | 11°40           | 18°41           | 9°38           | 11°50          | 8° 8  | 25°25          | 24° 3          | 7°44 | 13°38          | S 19 |
| M20  | 17 50 39 | 28° 6'31 | 23°33           | 19°53  | 13° 2          | 0°46           | 11°48           | 18°44           | 9°38           | 11°52          | 8° 9  | 25°16          | 24° 0          | 7°51 | 13°39          | M20  |
| T 21 | 17 54 35 | 29° 3'45 | 5 <b>₹</b> 45   | 20°14  | 13°53          | 1°26           | 11°55           | 18°47           | 9°37           | 11°53          | 8°11  | 25° 5          | 23°57          | 7°58 | 13°40          | T 21 |
| W22  | 17 58 32 | 09 0'58  | 17°50           | 20°30  | 14°45          | 2° 6           | 12° 2           | 18°50           | 9°37           | 11°55          | 8°12  | 24°53          | 23°54          | 8° 4 | 13°42          | W22  |
| T 23 | 18 2 28  | 0°58'11  | 29°48           | 20°42  | 15°37          | 2°46           | 12°10           | 18°53           | 9°37           | 11°57          | 8°14  | 24°42          | 23°50          | 8°11 | 13°43          | T 23 |
| F 24 | 18 6 25  | 1°55'24  | 11≈42           | 20°49  | 16°31          | 3°26           | 12°17           | 18°57           | 9°36           | 11°59          | 8°15  | 24°31          | 23°47          | 8°18 | 13°44          | F 24 |
| S 25 | 18 10 21 | 2°52'37  | 23°33           | 20°R51 | 17°24          | 4° 6           | 12°25           | 19° 0           | 9°36           | 12° 0          | 8°17  | 24°23          | 23°44          | 8°24 | 13°45          | S 25 |
| S 26 | 18 14 18 | 3°49'49  | 5 <b>∺</b> 25   | 20°49  | 18°19          | 4°46           | 12°33           | 19° 4           | 9°35           | 12° 2          | 8°18  | 24°17          | 23°41          | 8°31 | 13°47          | S 26 |
| M27  | 18 18 15 | 4°47'01  | 17°22           | 20°42  | 19°13          | 5°26           | 12°41           | 19° 7           | 9°35           | 12° 4          | 8°20  | 24°14          | 23°38          | 8°38 | 13°48          | M27  |
| T 28 | 18 22 11 | 5°44'14  | 29°28           | 20°31  | 20° 9          | 6° 6           | 12°49           | 19°11           | 9°34           | 12° 6          | 8°21  | 24°12          | 23°35          | 8°45 | 13°49          | T 28 |
| W29  | 18 26 8  | 6°41'26  | 11 <b>Υ</b> 49  | 20°16  | 21° 4          | 6°46           | 12°57           | 19°15           | 9°33           | 12° 8          | 8°23  | 24°D12         | 23°31          | 8°51 | 13°50          | W29  |
| T 30 | 18 30 4  | 7938'39  | 24 <b>Υ</b> 29  | 199556 | 228 1          | 7 <b>9</b> 526 | 13 <b>m</b> ) 6 | 19 <b>TD</b> 18 | 9 <b>∺</b> 33  | 12 <b>Ω</b> 10 | 8924  | 24°R12         | 23 <b>≏</b> 28 | 8≈58 | 13 <b>Υ</b> 51 | T 30 |

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| Day          | Sid.t                | 0                           | D                       | ğ              | ·               | ♂              | 4               | ħ              | )ұ(            | 卉              | Р            | n              | v              | Ç              | , k            | Day          |
|--------------|----------------------|-----------------------------|-------------------------|----------------|-----------------|----------------|-----------------|----------------|----------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|
| F 1          | 18 34 1              | 8935'52                     | 7 <b>8</b> 33           | 19°R33         | 22 <b>8</b> 57  | 8 <b>9</b> 5 6 | 13 <b>m</b> 14  | 19 <b>m</b> 22 | 9°R32          | 12Ω12          | 89526        | 24°R12         | 23 <b>£</b> 25 | 9≈ 5           | 13 <b>Y</b> 52 | F 1          |
| S 2          | 18 37 57             | 9°33'05                     | 21° 5                   | 1995 6         | 23°54           | 8°46           | 13°23           | 19°26          | 9 <b>)</b> (31 | 12°14          | 8°27         | 24 <u>₽</u> 9  | 23°22          | 9°12           | 13°52          | S 2          |
| S 3          | 18 41 54             | 10°30'18                    | 5 <b>Ⅱ</b> 5            | 18°36          | 24°52           | 9°25           | 13°32           | 19°30          | 9°30           | 12°16          | 8°29         | 24° 4          | 23°19          | 9°18           | 13°53          | S 3          |
| M 4          | 18 45 50             | 11°27'31                    | 19°33                   | 18° 4          | 25°50           | 10° 5          | 13°40           | 19°34          | 9°29           | 12°17          | 8°30         | 23°57          | 23°16          | 9°25           | 13°54          | M 4          |
| T 5          | 18 49 47             | 12°24'45                    | 49525                   | 17°29          | 26°48           | 10°45          | 13°49           | 19°39          | 9°28           | 12°19          | 8°32         | 23°48          | 23°12          | 9°32           | 13°55          | T 5          |
| W 6          | 18 53 44             | 13°21'59                    | 19°31                   | 16°52          | 27°47           | 11°24          | 13°58           | 19°43          | 9°27           | 12°21          | 8°33         | 23°37          | 23° 9          | 9°38           | 13°55          | W 6          |
| T 7          | 18 57 40             | 14°19'12                    | 4 <b>Ω</b> 43           | 16°15          | 28°46           | 12° 4          | 14° 7           | 19°47          | 9°26           | 12°23          | 8°35         | 23°27          | 23° 6          | 9°45           | 13°56          | T 7          |
| F 8          | 19 1 37              | 15°16'26                    | 19°48                   | 15°37          | 29°45           | 12°44          | 14°17           | 19°52          | 9°25           | 12°25          | 8°36         | 23°18          | 23° 3          | 9°52           | 13°56          | F 8          |
| S 9          | 19 5 33              | 16°13'39                    | 4 <b>m</b> 39           | 15° 0          | 0 <b>Ⅱ</b> 45   | 13°23          | 14°26           | 19°56          | 9°24           | 12°27          | 8°38         | 23°11          | 23° 0          | 9°59           | 13°57          | S 9          |
| S 10         | 19 9 30              | 17°10'53                    | 19°8                    | 14°23          | 1°45            | 14° 3          | 14°35           | 20° 1          | 9°23           | 12°30          | 8°39         | 23° 6          | 22°56          | 10° 5          | 13°57          | S 10         |
| M11          | 19 13 26             | 18° 8'06                    | 3 <b>₾</b> 13           | 13°48          | 2°45            | 14°42          | 14°45           | 20° 6          | 9°22           | 12°32          | 8°41         | 23° 4          | 22°53          | 10°12          | 13°58          | M11          |
| T 12         | 19 17 23             | 19° 5'19                    | 16°53                   | 13°15          | 3°46            | 15°22          | 14°54           | 20°10          | 9°21           | 12°34          | 8°42         | 23° 4          | 22°50          | 10°19          | 13°58          | T 12         |
| W13          | 19 21 19             | 20° 2'32                    | 0 <b>M</b> _10          | 12°45          | 4°47            | 16° 1          | 15° 4           | 20°15          | 9°19           | 12°36          | 8°44         | 23° 4          | 22°47          | 10°25          | 13°58          | W13          |
| T 14         | 19 25 16             | 20°59'45                    | 13° 7                   | 12°18          | 5°48            | 16°40          | 15°14           | 20°20          | 9°18           | 12°38          | 8°45         | 23° 3          | 22°44          | 10°32          | 13°58          | T 14         |
| F 15<br>S 16 | 19 29 13<br>19 33 9  | 21°56'59<br>22°54'12        | 25°47<br>8 <b>∡7</b> 14 | 11°55<br>11°36 | 6°50<br>7°52    | 17°20<br>17°59 | 15°24<br>15°34  | 20°25<br>20°30 | 9°17<br>9°15   | 12°40<br>12°42 | 8°46<br>8°48 | 23° 0<br>22°55 | 22°41<br>22°37 | 10°39<br>10°46 | 13°59<br>13°59 | F 15<br>S 16 |
|              |                      |                             |                         |                |                 |                |                 |                |                |                |              |                |                |                |                |              |
| S 17         | 19 37 6              | 23°51'26                    | 20°31                   | 11°22          | 8°54            | 18°38          | 15°44           | 20°35          | 9°14           | 12°44          | 8°49         | 22°47          | 22°34          | 10°52          | 13°59          | S 17         |
| M18          | 19 41 2              | 24°48'40                    | 2 <b>3</b> 40           | 11°13          | 9°56            | 19°18          | 15°54           | 20°41          | 9°12           | 12°46          | 8°51         | 22°36          | 22°31          | 10°59          | 13°R59         | M18          |
| T 19         | 19 44 59             | 25°45'54                    | 14°42                   | 11°D 9         | 10°59           | 19°57<br>20°36 | 16° 4           | 20°46          | 9°11<br>9° 9   | 12°48<br>12°51 | 8°52         | 22°23<br>22° 9 | 22°28<br>22°25 | 11° 6          | 13°59<br>13°59 | T 19         |
| W20<br>T 21  | 19 48 55<br>19 52 52 | 26°43'09<br>27°40'24        | 26°40<br>8 <b>≈</b> 34  | 11°11<br>11°18 | 12° 2<br>13° 5  | 20°36<br>21°15 | 16°15<br>16°25  | 20°51<br>20°56 | 9° 9           | 12°51<br>12°53 | 8°54<br>8°55 | 21°56          | 22°25<br>22°22 | 11°12<br>11°19 | 13°59<br>13°58 | W20<br>T 21  |
| F 22         | 19 56 48             | 27 40 24<br>28°37'39        | 8≈34<br>20°25           | 11°30          | 13 3<br>14° 9   | 21°54          | 16°25           | 20°30          | 9° 6           | 12°55          | 8°57         | 21°44          | 22°18          | 11°26          | 13°58          | F 22         |
| S 23         | 20 0 45              | 29°34'56                    | 2 <del>)(</del> 17      | 11°49          | 15°12           | 22°34          | 16°46           | 21° 7          | 9° 5           | 12°57          | 8°58         | 21°33          | 22°15          | 11°33          | 13°58          | S 23         |
|              |                      |                             | 14°10                   | 12°14          | 16°16           | 23°13          | 16°57           | 21°13          | 9° 3           | 12°59          |              |                |                |                |                | S 24         |
| S 24<br>M25  | 20 4 42<br>20 8 38   | 0 <b>Ω</b> 32'13<br>1°29'31 | 26° 8                   | 12°14          | 17°20           | 23°52          | 10°37           | 21°13          | 9° 3           | 12°39<br>13° 1 | 8°59<br>9° 1 | 21°26<br>21°21 | 22°12<br>22° 9 | 11°39<br>11°46 | 13°58<br>13°57 | M25          |
| T 26         | 20 12 35             | 2°26'50                     | 20 8<br>8 <b>Υ</b> 15   | 13°20          | 18°25           | 24°31          | 17°18           | 21°24          | 8°59           | 13° 4          | 9° 2         | 21°19          | 22° 6          | 11°53          | 13°57          | T 26         |
| W27          | 20 16 31             | 3°24'09                     | 20°35                   | 14° 2          | 19°29           | 25°10          | 17°29           | 21°30          | 8°58           | 13° 6          | 9° 4         | 21°D19         | 22° 2          | 11°59          | 13°56          | W27          |
| T 28         | 20 20 28             | 4°21'30                     | 3 <b>8</b> 12           | 14°50          | 20°34           | 25°49          | 17°40           | 21°36          | 8°56           | 13° 8          | 9° 5         | 21°R19         | 21°59          | 12° 6          | 13°56          | T 28         |
| F 29         | 20 24 24             | 5°18'52                     | 16°13                   | 15°44          | 21°39           | 26°28          | 17°51           | 21°42          | 8°54           | 13°10          | 9° 6         | 21°18          | 21°56          | 12°13          | 13°55          | F 29         |
| S 30         | 20 28 21             | 6°16'15                     | 29°39                   | 16°43          | 22°44           | 27° 7          | 18° 2           | 21°48          | 8°52           | 13°12          | 9° 8         | 21°16          | 21°53          | 12°20          | 13°55          | S 30         |
| S 31         | 20 32 17             | 7 <b>Ω</b> 13'39            | 13 <b>II</b> 35         | 179548         | 23 <b>II</b> 50 | 279546         | 18 <b>m</b> )13 | 21 <b>m</b> 54 | 8 <b>¥</b> 50  | 13 <b>Q</b> 15 | 9 <b>©</b> 9 | 21 <b>≏</b> 12 | 21 <b>2</b> 50 | 12≈26          | 13 <b>Y</b> 54 | S 31         |

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|------|----------|-------------------|----------------|---------------|----------------|----------------|----------------|----------------|-----------------|----------------|---------------|----------------|----------------|----------------|----------------|------|
| M 1  | 20 36 14 | 8 <b>Ω</b> 11'04  | 27 <b>Ⅱ</b> 59 | 18958         | 24 <b>Ⅱ</b> 55 | 28924          | 18 <b>M</b> 24 | 22 Mg 0        | 8°R48           | 13 <b>Ω</b> 17 | 99510         | 21°R 6         | 21 <b>≏</b> 47 | 12 <b>≈</b> 33 | 13°R53         | M 1  |
| T 2  | 20 40 11 | 9° 8'31           | 12 <b>9</b> 49 | 20°14         | 26° 1          | 29° 3          | 18°36          | 22° 6          | 8 <b>) (</b> 46 | 13°19          | 9°12          | 20 <b>≏</b> 57 | 21°43          | 12°40          | 13 <b>Y</b> 53 | T 2  |
| W 3  | 20 44 7  | 10° 5'58          | 27°59          | 21°34         | 27° 7          | 29°42          | 18°47          | 22°12          | 8°44            | 13°21          | 9°13          | 20°47          | 21°40          | 12°46          | 13°52          | W 3  |
| T 4  | 20 48 4  | 11° 3'26          | 13 <b>Ω</b> 17 | 23° 0         | 28°13          | 0Ω21           | 18°58          | 22°18          | 8°42            | 13°24          | 9°14          | 20°37          | 21°37          | 12°53          | 13°51          | T 4  |
| F 5  | 20 52 0  | 12° 0'56          | 28°33          | 24°30         | 29°19          | 1° 0           | 19°10          | 22°24          | 8°40            | 13°26          | 9°16          | 20°29          | 21°34          | 13° 0          | 13°50          | F 5  |
| S 6  | 20 55 57 | 12°58'26          | 13 <b>m</b> 35 | 26° 5         | 0926           | 1°39           | 19°21          | 22°31          | 8°38            | 13°28          | 9°17          | 20°22          | 21°31          | 13° 7          | 13°49          | S 6  |
| S 7  | 20 59 53 | 13°55'57          | 28°17          | 27°44         | 1°32           | 2°17           | 19°33          | 22°37          | 8°36            | 13°30          | 9°18          | 20°18          | 21°28          | 13°13          | 13°48          | S 7  |
| M 8  | 21 3 50  | 14°53'28          | 12 <b>≏</b> 32 | 29°26         | 2°39           | 2°56           | 19°45          | 22°43          | 8°34            | 13°32          | 9°20          | 20°16          | 21°24          | 13°20          | 13°47          | M 8  |
| T 9  | 21 7 46  | 15°51'01          | 26°19          | 1 <b>Ω</b> 13 | 3°46           | 3°35           | 19°56          | 22°50          | 8°32            | 13°35          | 9°21          | 20°D16         | 21°21          | 13°27          | 13°46          | T 9  |
| W10  | 21 11 43 | 16°48'34          | 9 <b>M</b> .40 | 3° 2          | 4°53           | 4°13           | 20° 8          | 22°56          | 8°30            | 13°37          | 9°22          | 20°17          | 21°18          | 13°33          | 13°45          | W10  |
| T 11 | 21 15 40 | 17°46'09          | 22°37          | 4°54          | 6° 0           | 4°52           | 20°20          | 23° 3          | 8°27            | 13°39          | 9°23          | 20°R17         | 21°15          | 13°40          | 13°43          | T 11 |
| F 12 | 21 19 36 | 18°43'44          | 5 <b>₹</b> 14  | 6°49          | 7° 8           | 5°31           | 20°32          | 23° 9          | 8°25            | 13°41          | 9°25          | 20°15          | 21°12          | 13°47          | 13°42          | F 12 |
| S 13 | 21 23 33 | 19°41'20          | 17°35          | 8°46          | 8°15           | 6° 9           | 20°44          | 23°16          | 8°23            | 13°44          | 9°26          | 20°12          | 21° 8          | 13°54          | 13°41          | S 13 |
| S 14 | 21 27 29 | 20°38'57          | 29°45          | 10°44         | 9°23           | 6°48           | 20°56          | 23°23          | 8°21            | 13°46          | 9°27          | 20° 6          | 21° 5          | 14° 0          | 13°40          | S 14 |
| M15  | 21 31 26 | 21°36'35          | 11 <b>る</b> 46 | 12°44         | 10°31          | 7°26           | 21° 8          | 23°29          | 8°19            | 13°48          | 9°28          | 19°58          | 21° 2          | 14° 7          | 13°38          | M15  |
| T 16 | 21 35 22 | 22°34'15          | 23°43          | 14°45         | 11°39          | 8° 5           | 21°20          | 23°36          | 8°16            | 13°50          | 9°29          | 19°48          | 20°59          | 14°14          | 13°37          | T 16 |
| W17  | 21 39 19 | 23°31'55          | 5≈36           | 16°46         | 12°47          | 8°43           | 21°32          | 23°43          | 8°14            | 13°52          | 9°30          | 19°37          | 20°56          | 14°20          | 13°35          | W17  |
| T 18 | 21 43 15 | 24°29'37          | 17°28          | 18°48         | 13°55          | 9°22           | 21°44          | 23°50          | 8°12            | 13°55          | 9°31          | 19°27          | 20°53          | 14°27          | 13°34          | T 18 |
| F 19 | 21 47 12 | 25°27'19          | 29°20          | 20°49         | 15° 4          | 10° 0          | 21°56          | 23°57          | 8° 9            | 13°57          | 9°33          | 19°17          | 20°49          | 14°34          | 13°32          | F 19 |
| S 20 | 21 51 9  | 26°25'04          | 11 <b>米</b> 15 | 22°50         | 16°12          | 10°39          | 22° 8          | 24° 3          | 8° 7            | 13°59          | 9°34          | 19°10          | 20°46          | 14°41          | 13°31          | S 20 |
| S 21 | 21 55 5  | 27°22'49          | 23°14          | 24°51         | 17°21          | 11°17          | 22°21          | 24°10          | 8° 5            | 14° 1          | 9°35          | 19° 4          | 20°43          | 14°47          | 13°29          | S 21 |
| M22  | 21 59 2  | 28°20'37          | 5 <b>Υ</b> 18  | 26°52         | 18°30          | 11°55          | 22°33          | 24°17          | 8° 2            | 14° 3          | 9°36          | 19° 1          | 20°40          | 14°54          | 13°27          | M22  |
| T 23 | 22 2 58  | 29°18'25          | 17°31          | 28°51         | 19°39          | 12°34          | 22°45          | 24°24          | 8° 0            | 14° 5          | 9°37          | 19°D 0         | 20°37          | 15° 1          | 13°25          | T 23 |
| W24  | 22 6 55  | 0 <b>M</b> p16'16 | 29°56          | 0 <b>m</b> 50 | 20°48          | 13°12          | 22°58          | 24°31          | 7°58            | 14° 8          | 9°38          | 19° 0          | 20°33          | 15° 7          | 13°24          | W24  |
| T 25 | 22 10 51 | 1°14'08           | 12837          | 2°47          | 21°57          | 13°50          | 23°10          | 24°38          | 7°55            | 14°10          | 9°39          | 19° 2          | 20°30          | 15°14          | 13°22          | T 25 |
| F 26 | 22 14 48 | 2°12'02           | 25°36          | 4°44          | 23° 6          | 14°29          | 23°23          | 24°45          | 7°53            | 14°12          | 9°40          | 19° 3          | 20°27          | 15°21          | 13°20          | F 26 |
| S 27 | 22 18 44 | 3° 9'58           | 8耳59           | 6°39          | 24°16          | 15° 7          | 23°35          | 24°52          | 7°50            | 14°14          | 9°41          | 19°R 3         | 20°24          | 15°28          | 13°18          | S 27 |
| S 28 | 22 22 41 | 4° 7'56           | 22°46          | 8°34          | 25°25          | 15°45          | 23°48          | 25° 0          | 7°48            | 14°16          | 9°42          | 19° 1          | 20°21          | 15°34          | 13°16          | S 28 |
| M29  | 22 26 37 | 5° 5'56           | 7 <b>95</b> 0  | 10°27         | 26°35          | 16°23          | 24° 0          | 25° 7          | 7°46            | 14°18          | 9°43          | 18°58          | 20°18          | 15°41          | 13°14          | M29  |
| T 30 | 22 30 34 | 6° 3'58           | 21°37          | 12°19         | 27°45          | 17° 2          | 24°13          | 25°14          | 7°43            | 14°20          | 9°44          | 18°53          | 20°14          | 15°48          | 13°12          | T 30 |
| W31  | 22 34 31 | 7 mg 2'01         | 6 <b>Ω</b> 34  | 14MD 9        | 28955          | 17 <b>Ω</b> 40 | 24 Mp 26       | 25 <b>M</b> 21 | 7 <b>∺</b> 41   | 14 <b>Ω</b> 22 | 9 <b>9</b> 45 | 18 <b>≏</b> 47 | 20 <b>₽</b> 11 | 15≈54          | 13 <b>Y</b> 10 | W31  |

Delta T = 22.48 sec

SEPTEMBER 1921 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | φ            | ď              | 4             | ħ              | )Å(           | <del>¥</del>   | Р             | ß              | Ω              | ţ              | o<br>k         | Day  |
|------|----------|-------------------|----------------|----------------|--------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|----------------|----------------|----------------|------|
| T 1  | 22 38 27 | 8 <b>m</b> ) 0'06 | 21 <b>Ω</b> 42 | 15 <b>m</b> 59 | 0 <b>Ω</b> 5 | 18 <b>Ω</b> 18 | 24 Mp 38      | 25 <b>m</b> 28 | 7°R39         | 14 <b>Ω</b> 25 | 9 <b>9</b> 46 | 18°R41         | 20 <u>₽</u> 8  | 16≈ 1          | 13°R 8         | T 1  |
| F 2  | 22 42 24 | 8°58'13           | 6 <b>m</b> 53  | 17°47          | 1°15         | 18°56          | 24°51         | 25°36          | 7 <b>∺</b> 36 | 14°27          | 9°46          | 18 <b>≏</b> 35 | 20° 5          | 16° 8          | 13 <b>Y</b> 6  | F 2  |
| S 3  | 22 46 20 | 9°56'22           | 21°55          | 19°33          | 2°25         | 19°34          | 25° 4         | 25°43          | 7°34          | 14°29          | 9°47          | 18°31          | 20° 2          | 16°14          | 13° 4          | S 3  |
| S 4  | 22 50 17 | 10°54'32          | 6 <b>₽</b> 40  | 21°19          | 3°35         | 20°12          | 25°16         | 25°50          | 7°31          | 14°31          | 9°48          | 18°29          | 19°59          | 16°21          | 13° 2          | S 4  |
| M 5  | 22 54 13 | 11°52'43          | 21° 1          | 23° 3          | 4°46         | 20°50          | 25°29         | 25°57          | 7°29          | 14°33          | 9°49          | 18°D29         | 19°55          | 16°28          | 12°59          | M 5  |
| T 6  | 22 58 10 | 12°50'57          | 4 <b>M</b> .56 | 24°47          | 5°56         | 21°29          | 25°42         | 26° 5          | 7°27          | 14°35          | 9°50          | 18°29          | 19°52          | 16°35          | 12°57          | T 6  |
| W 7  | 23 2 6   | 13°49'12          | 18°24          | 26°29          | 7° 7         | 22° 7          | 25°55         | 26°12          | 7°24          | 14°37          | 9°51          | 18°31          | 19°49          | 16°41          | 12°55          | W 7  |
| T 8  | 23 6 3   | 14°47'28          | 1 <b>√</b> 26  | 28°10          | 8°18         | 22°45          | 26° 8         | 26°19          | 7°22          | 14°39          | 9°51          | 18°32          | 19°46          | 16°48          | 12°53          | T 8  |
| F 9  | 23 10 0  | 15°45'46          | 14° 6          | 29°49          | 9°29         | 23°23          | 26°20         | 26°27          | 7°19          | 14°41          | 9°52          | 18°R33         | 19°43          | 16°55          | 12°50          | F 9  |
| S 10 | 23 13 56 | 16°44'05          | 26°27          | 1 <b>≏</b> 28  | 10°40        | 24° 1          | 26°33         | 26°34          | 7°17          | 14°43          | 9°53          | 18°33          | 19°39          | 17° 1          | 12°48          | S 10 |
| S 11 | 23 17 53 | 17°42'26          | 8 <b>ප</b> 36  | 3° 5           | 11°51        | 24°39          | 26°46         | 26°42          | 7°15          | 14°45          | 9°53          | 18°31          | 19°36          | 17° 8          | 12°46          | S 11 |
| M12  | 23 21 49 | 18°40'49          | 20°35          | 4°41           | 13° 2        | 25°17          | 26°59         | 26°49          | 7°12          | 14°47          | 9°54          | 18°28          | 19°33          | 17°15          | 12°43          | M12  |
| T 13 | 23 25 46 | 19°39'13          | 2≈28           | 6°17           | 14°13        | 25°54          | 27°12         | 26°56          | 7°10          | 14°48          | 9°55          | 18°23          | 19°30          | 17°22          | 12°41          | T 13 |
| W14  | 23 29 42 | 20°37'39          | 14°20          | 7°51           | 15°24        | 26°32          | 27°25         | 27° 4          | 7° 8          | 14°50          | 9°55          | 18°19          | 19°27          | 17°28          | 12°38          | W14  |
| T 15 | 23 33 39 | 21°36'06          | 26°12          | 9°24           | 16°36        | 27°10          | 27°38         | 27°11          | 7° 5          | 14°52          | 9°56          | 18°14          | 19°24          | 17°35          | 12°36          | T 15 |
| F 16 | 23 37 35 | 22°34'36          | 8 <b>米</b> 8   | 10°56          | 17°47        | 27°48          | 27°51         | 27°19          | 7° 3          | 14°54          | 9°57          | 18°10          | 19°20          | 17°42          | 12°33          | F 16 |
| S 17 | 23 41 32 | 23°33'07          | 20° 9          | 12°26          | 18°59        | 28°26          | 28° 4         | 27°26          | 7° 1          | 14°56          | 9°57          | 18° 6          | 19°17          | 17°48          | 12°31          | S 17 |
| S 18 | 23 45 29 | 24°31'40          | 2 <b>Υ</b> 18  | 13°56          | 20°11        | 29° 4          | 28°17         | 27°34          | 6°59          | 14°58          | 9°58          | 18° 4          | 19°14          | 17°55          | 12°28          | S 18 |
| M19  | 23 49 25 | 25°30'15          | 14°35          | 15°25          | 21°22        | 29°42          | 28°30         | 27°41          | 6°56          | 15° 0          | 9°58          | 18°D 3         | 19°11          | 18° 2          | 12°26          | M19  |
| T 20 | 23 53 22 | 26°28'52          | 27° 2          | 16°53          | 22°34        | 0 <b>m</b> 19  | 28°43         | 27°49          | 6°54          | 15° 1          | 9°59          | 18° 3          | 19°8           | 18° 8          | 12°23          | T 20 |
| W21  | 23 57 18 | 27°27'31          | 9 <b>8</b> 40  | 18°19          | 23°46        | 0°57           | 28°56         | 27°56          | 6°52          | 15° 3          | 9°59          | 18° 4          | 19° 4          | 18°15          | 12°20          | W21  |
| T 22 | 0 1 15   | 28°26'12          | 22°33          | 19°45          | 24°58        | 1°35           | 29° 9         | 28° 3          | 6°50          | 15° 5          | 10° 0         | 18° 6          | 19° 1          | 18°22          | 12°18          | T 22 |
| F 23 | 0 5 11   | 29°24'55          | 5 <b>Ⅱ</b> 41  | 21° 9          | 26°11        | 2°13           | 29°22         | 28°11          | 6°48          | 15° 6          | 10° 0         | 18° 7          | 18°58          | 18°29          | 12°15          | F 23 |
| S 24 | 0 9 8    | 0 <b>≏</b> 23'41  | 19° 6          | 22°32          | 27°23        | 2°50           | 29°34         | 28°18          | 6°45          | 15° 8          | 10° 0         | 18° 8          | 18°55          | 18°35          | 12°12          | S 24 |
| S 25 | 0 13 4   | 1°22'29           | 2950           | 23°54          | 28°35        | 3°28           | 29°47         | 28°26          | 6°43          | 15°10          | 10° 1         | 18°R 9         | 18°52          | 18°42          | 12°10          | S 25 |
| M26  | 0 17 1   | 2°21'20           | 16°53          | 25°15          | 29°48        | 4° 6           | 0 <b>亚</b> 0  | 28°33          | 6°41          | 15°12          | 10° 1         | 18° 8          | 18°49          | 18°49          | 12° 7          | M26  |
| T 27 | 0 20 57  | 3°20'12           | 1 <b>Ω</b> 14  | 26°34          | 1 Mp 0       | 4°44           | 0°13          | 28°41          | 6°39          | 15°13          | 10° 2         | 18° 7          | 18°45          | 18°55          | 12° 4          | T 27 |
| W28  | 0 24 54  | 4°19'07           | 15°50          | 27°53          | 2°13         | 5°21           | 0°26          | 28°48          | 6°37          | 15°15          | 10° 2         | 18° 5          | 18°42          | 19° 2          | 12° 2          | W28  |
| T 29 | 0 28 51  | 5°18'04           | 0 <b>™</b> 36  | 29° 9          | 3°25         | 5°59           | 0°39          | 28°56          | 6°35          | 15°16          | 10° 2         | 18° 4          | 18°39          | 19° 9          | 11°59          | T 29 |
| F 30 | 0 32 47  | 6 <b>≏</b> 17'04  | 15 <b>M</b> 26 | 0 <b>M</b> 25  | 4 Mp 38      | 6 <b>m</b> 36  | 0 <b>ჲ</b> 52 | 29 Mg 3        | 6 <b>∺</b> 33 | 15 <b>Ω</b> 18 | 1095 2        | 18 <b>♀</b> 2  | 18 <b>≏</b> 36 | 19 <b>≈</b> 16 | 11 <b>Y</b> 56 | F 30 |

Delta T = 22.52 sec

OCTOBER 1921 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ             | φ              | ♂               | 4             | ħ               | )ţ(            | ¥              | Р      | ß             | Ω              | Ç              | , k            | Day  |
|------|---------|------------------|----------------|---------------|----------------|-----------------|---------------|-----------------|----------------|----------------|--------|---------------|----------------|----------------|----------------|------|
| S 1  | 0 36 44 | 7 <b>≏</b> 16'05 | 0 <b>₽</b> 12  | 1 <b>M</b> 39 | 5 <b>m</b> 51  | 7 <b>m</b> ) 14 | 1 <b>♀</b> 5  | 29 <b>m</b> /10 | 6°R31          | 15 <b>Ω</b> 19 | 109 3  | 18°R 1        | 18 <b>≏</b> 33 | 19 <b>≈</b> 22 | 11°R54         | S 1  |
| S 2  | 0 40 40 | 8°15'09          | 14°46          | 2°51          | 7° 4           | 7°52            | 1°18          | 29°18           | 6 <b>∺</b> 29  | 15°21          | 10° 3  | 18°D 1        | 18°30          | 19°29          | 11 <b>Y</b> 51 | S 2  |
| M 3  | 0 44 37 | 9°14'14          | 29° 3          | 4° 2          | 8°16           | 8°29            | 1°31          | 29°25           | 6°27           | 15°22          | 10° 3  | 18 <b>♀</b> 1 | 18°26          | 19°36          | 11°48          | M 3  |
| T 4  | 0 48 33 | 10°13'22         | 12 <b>M</b> 58 | 5°11          | 9°29           | 9° 7            | 1°44          | 29°33           | 6°25           | 15°24          | 10° 3  | 18° 2         | 18°23          | 19°42          | 11°45          | T 4  |
| W 5  | 0 52 30 | 11°12'31         | 26°29          | 6°17          | 10°43          | 9°44            | 1°57          | 29°40           | 6°24           | 15°25          | 10° 3  | 18° 2         | 18°20          | 19°49          | 11°43          | W 5  |
| T 6  | 0 56 26 | 12°11'42         | 9 <b>∡</b> 36  | 7°22          | 11°56          | 10°22           | 2°10          | 29°47           | 6°22           | 15°27          | 10° 4  | 18° 3         | 18°17          | 19°56          | 11°40          | T 6  |
| F 7  | 1 0 23  | 13°10'55         | 22°20          | 8°24          | 13° 9          | 10°59           | 2°23          | 29°55           | 6°20           | 15°28          | 10° 4  | 18° 3         | 18°14          | 20° 2          | 11°37          | F 7  |
| S 8  | 1 4 20  | 14°10'10         | 4 <b>궁</b> 45  | 9°24          | 14°22          | 11°37           | 2°36          | 0요 2            | 6°18           | 15°29          | 10° 4  | 18° 4         | 18°10          | 20° 9          | 11°35          | S 8  |
| S 9  | 1 8 16  | 15° 9'27         | 16°55          | 10°22         | 15°35          | 12°14           | 2°49          | 0° 9            | 6°17           | 15°31          | 10° 4  | 18°R 4        | 18° 7          | 20°16          | 11°32          | S 9  |
| M10  | 1 12 13 | 16° 8'45         | 28°54          | 11°16         | 16°49          | 12°52           | 3° 1          | 0°17            | 6°15           | 15°32          | 10° 4  | 18° 4         | 18° 4          | 20°23          | 11°29          | M10  |
| T 11 | 1 16 9  | 17° 8'05         | 10≈48          | 12° 7         | 18° 2          | 13°29           | 3°14          | 0°24            | 6°13           | 15°33          | 10°R 4 | 18° 4         | 18° 1          | 20°29          | 11°26          | T 11 |
| W12  | 1 20 6  | 18° 7'27         | 22°39          | 12°54         | 19°16          | 14° 6           | 3°27          | 0°31            | 6°12           | 15°35          | 10° 4  | 18°D 4        | 17°58          | 20°36          | 11°24          | W12  |
| T 13 | 1 24 2  | 19° 6'51         | 4 <b>)</b> (33 | 13°38         | 20°29          | 14°44           | 3°40          | 0°38            | 6°10           | 15°36          | 10° 4  | 18° 4         | 17°55          | 20°43          | 11°21          | T 13 |
| F 14 | 1 27 59 | 20° 6'16         | 16°33          | 14°17         | 21°43          | 15°21           | 3°52          | 0°46            | 6° 9           | 15°37          | 10° 4  | 18° 4         | 17°51          | 20°49          | 11°18          | F 14 |
| S 15 | 1 31 55 | 21° 5'44         | 28°42          | 14°52         | 22°57          | 15°59           | 4° 5          | 0°53            | 6° 7           | 15°38          | 10° 4  | 18° 4         | 17°48          | 20°56          | 11°16          | S 15 |
| S 16 | 1 35 52 | 22° 5'13         | 11 <b>Y</b> 2  | 15°21         | 24°10          | 16°36           | 4°18          | 1° 0            | 6° 6           | 15°39          | 10° 4  | 18° 4         | 17°45          | 21° 3          | 11°13          | S 16 |
| M17  | 1 39 49 | 23° 4'44         | 23°34          | 15°45         | 25°24          | 17°13           | 4°30          | 1° 7            | 6° 4           | 15°40          | 10° 3  | 18°R 4        | 17°42          | 21° 9          | 11°10          | M17  |
| T 18 | 1 43 45 | 24° 4'18         | 6821           | 16° 3         | 26°38          | 17°50           | 4°43          | 1°14            | 6° 3           | 15°41          | 10° 3  | 18° 4         | 17°39          | 21°16          | 11° 8          | T 18 |
| W19  | 1 47 42 | 25° 3'53         | 19°21          | 16°14         | 27°52          | 18°28           | 4°56          | 1°21            | 6° 2           | 15°42          | 10° 3  | 18° 3         | 17°36          | 21°23          | 11° 5          | W19  |
| T 20 | 1 51 38 | 26° 3'31         | 2∏35           | 16°R18        | 29° 6          | 19° 5           | 5° 8          | 1°28            | 6° 0           | 15°43          | 10° 3  | 18° 2         | 17°32          | 21°30          | 11° 2          | T 20 |
| F 21 | 1 55 35 | 27° 3'11         | 16° 2          | 16°14         | 0 <u>₽</u> 20  | 19°42           | 5°21          | 1°35            | 5°59           | 15°44          | 10° 3  | 18° 1         | 17°29          | 21°36          | 11° 0          | F 21 |
| S 22 | 1 59 31 | 28° 2'53         | 29°42          | 16° 2         | 1°34           | 20°19           | 5°33          | 1°42            | 5°58           | 15°45          | 10° 2  | 18° 0         | 17°26          | 21°43          | 10°57          | S 22 |
| S 23 | 2 3 28  | 29° 2'37         | 13933          | 15°41         | 2°48           | 20°57           | 5°46          | 1°49            | 5°57           | 15°46          | 10° 2  | 17°59         | 17°23          | 21°50          | 10°55          | S 23 |
| M24  | 2 7 24  | OM 2'24          | 27°34          | 15°11         | 4° 2           | 21°34           | 5°58          | 1°56            | 5°56           | 15°47          | 10° 2  | 17°D59        | 17°20          | 21°56          | 10°52          | M24  |
| T 25 | 2 11 21 | 1° 2'13          | 11 <b>Ω</b> 44 | 14°32         | 5°16           | 22°11           | 6°11          | 2° 3            | 5°54           | 15°48          | 10° 2  | 17°59         | 17°16          | 22° 3          | 10°50          | T 25 |
| W26  | 2 15 18 | 2° 2'04          | 26° 1          | 13°44         | 6°31           | 22°48           | 6°23          | 2°10            | 5°53           | 15°49          | 10° 1  | 18° 0         | 17°13          | 22°10          | 10°47          | W26  |
| T 27 | 2 19 14 | 3° 1'57          | 10 Mp 22       | 12°48         | 7°45           | 23°25           | 6°35          | 2°16            | 5°52           | 15°50          | 10° 1  | 18° 1         | 17°10          | 22°16          | 10°45          | T 27 |
| F 28 | 2 23 11 | 4° 1'53          | 24°44          | 11°44         | 8°59           | 24° 2           | 6°47          | 2°23            | 5°51           | 15°50          | 10° 1  | 18° 2         | 17° 7          | 22°23          | 10°42          | F 28 |
| S 29 | 2 27 7  | 5° 1'50          | 9 <b>₾</b> 3   | 10°34         | 10°14          | 24°39           | 7° 0          | 2°30            | 5°51           | 15°51          | 10° 0  | 18° 3         | 17° 4          | 22°30          | 10°40          | S 29 |
| S 30 | 2 31 4  | 6° 1'50          | 23°14          | 9°20          | 11°28          | 25°16           | 7°12          | 2°37            | 5°50           | 15°52          | 10° 0  | 18°R 3        | 17° 1          | 22°37          | 10°37          | S 30 |
| M31  | 2 35 0  | 7 <b>M</b> 1'51  | 7 <b>M</b> ₊13 | 8M 3          | 12 <b>≏</b> 43 | 25 M 53         | 7 <b>≏</b> 24 | 2 <b>ჲ</b> 43   | 5 <b>)</b> (49 | 15 <b>Ω</b> 52 | 9959   | 18 <b>♀</b> 2 | 16 <b>≏</b> 57 | 22≈43          | 10 <b>Y</b> 35 | M31  |

Delta T = 22.56 sec

NOVEMBER 1921 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ              | φ              | ð              | 4              | ħ             | )∤(           | ¥              | Р     | P              | v              | Ç     | Q<br>K         | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|----------------|-------|----------------|----------------|-------|----------------|------|
| T 1  | 2 38 57 | 8M 1'55          | 20 <b>M</b> 57 | 6°R45          | 13 <b>≏</b> 57 | 26 <b>m</b> 30 | 7 <b>≏</b> 36  | 2 <b>ჲ</b> 50 | 5°R48         | 15 <b>Ω</b> 53 | 9°R59 | 18°R 0         | 16 <b>≏</b> 54 | 22≈50 | 10°R33         | T 1  |
| W 2  | 2 42 53 | 9° 2'00          | 4 <b>₹</b> 22  | 5 <b>M</b> .30 | 15°12          | 27° 7          | 7°48           | 2°56          | 5 <b>)</b> 48 | 15°54          | 9958  | 17 <b>≏</b> 58 | 16°51          | 22°57 | 10 <b>Y</b> 30 | W 2  |
| T 3  | 2 46 50 | 10° 2'07         | 17°27          | 4°19           | 16°26          | 27°44          | 8° 0           | 3° 3          | 5°47          | 15°54          | 9°58  | 17°54          | 16°48          | 23° 3 | 10°28          | T 3  |
| F 4  | 2 50 46 | 11° 2'16         | 0 <b>궁</b> 12  | 3°15           | 17°41          | 28°21          | 8°12           | 3° 9          | 5°46          | 15°55          | 9°57  | 17°51          | 16°45          | 23°10 | 10°26          | F 4  |
| S 5  | 2 54 43 | 12° 2'27         | 12°39          | 2°19           | 18°56          | 28°58          | 8°24           | 3°16          | 5°46          | 15°55          | 9°57  | 17°47          | 16°41          | 23°17 | 10°23          | S 5  |
| S 6  | 2 58 40 | 13° 2'39         | 24°50          | 1°34           | 20°10          | 29°35          | 8°35           | 3°22          | 5°45          | 15°56          | 9°56  | 17°45          | 16°38          | 23°23 | 10°21          | S 6  |
| M 7  | 3 2 36  | 14° 2'52         | 6≈50           | 1° 0           | 21°25          | 0 <b>ჲ</b> 12  | 8°47           | 3°28          | 5°45          | 15°56          | 9°55  | 17°43          | 16°35          | 23°30 | 10°19          | M 7  |
| T 8  | 3 6 3 3 | 15° 3'07         | 18°43          | 0°37           | 22°40          | 0°49           | 8°59           | 3°34          | 5°44          | 15°56          | 9°55  | 17°D43         | 16°32          | 23°37 | 10°17          | T 8  |
| W 9  | 3 10 29 | 16° 3'23         | 0 <b>)</b> €34 | 0°D26          | 23°54          | 1°26           | 9°10           | 3°41          | 5°44          | 15°57          | 9°54  | 17°44          | 16°29          | 23°43 | 10°15          | W 9  |
| T 10 | 3 14 26 | 17° 3'41         | 12°28          | 0°26           | 25° 9          | 2° 2           | 9°22           | 3°47          | 5°44          | 15°57          | 9°54  | 17°46          | 16°26          | 23°50 | 10°13          | T 10 |
| F 11 | 3 18 22 | 18° 4'01         | 24°30          | 0°37           | 26°24          | 2°39           | 9°33           | 3°53          | 5°43          | 15°57          | 9°53  | 17°48          | 16°22          | 23°57 | 10°11          | F 11 |
| S 12 | 3 22 19 | 19° 4'21         | 6 <b>Ƴ</b> 43  | 0°59           | 27°39          | 3°16           | 9°45           | 3°59          | 5°43          | 15°58          | 9°52  | 17°49          | 16°19          | 24° 4 | 10° 9          | S 12 |
| S 13 | 3 26 15 | 20° 4'44         | 19°12          | 1°29           | 28°54          | 3°53           | 9°56           | 4° 5          | 5°43          | 15°58          | 9°51  | 17°R50         | 16°16          | 24°10 | 10° 7          | S 13 |
| M14  | 3 30 12 | 21° 5'07         | 1 <b>8</b> 59  | 2° 9           | OM 9           | 4°29           | 10° 8          | 4°11          | 5°43          | 15°58          | 9°51  | 17°49          | 16°13          | 24°17 | 10° 5          | M14  |
| T 15 | 3 34 9  | 22° 5'33         | 15° 5          | 2°55           | 1°24           | 5° 6           | 10°19          | 4°16          | 5°43          | 15°58          | 9°50  | 17°46          | 16°10          | 24°24 | 10° 3          | T 15 |
| W16  | 3 38 5  | 23° 6'00         | 28°29          | 3°49           | 2°39           | 5°43           | 10°30          | 4°22          | 5°D43         | 15°58          | 9°49  | 17°42          | 16° 7          | 24°30 | 10° 1          | W16  |
| T 17 | 3 42 2  | 24° 6'28         | 12 <b>Ⅱ</b> 11 | 4°48           | 3°54           | 6°19           | 10°41          | 4°28          | 5°43          | 15°58          | 9°48  | 17°36          | 16° 3          | 24°37 | 9°59           | T 17 |
| F 18 | 3 45 58 | 25° 6'58         | 26° 6          | 5°53           | 5° 9           | 6°56           | 10°52          | 4°34          | 5°43          | 15°58          | 9°48  | 17°30          | 16° 0          | 24°44 | 9°58           | F 18 |
| S 19 | 3 49 55 | 26° 7'30         | 109911         | 7° 2           | 6°24           | 7°32           | 11° 3          | 4°39          | 5°43          | 15°R58         | 9°47  | 17°24          | 15°57          | 24°50 | 9°56           | S 19 |
| S 20 | 3 53 51 | 27° 8'04         | 24°21          | 8°15           | 7°39           | 8° 9           | 11°14          | 4°45          | 5°43          | 15°58          | 9°46  | 17°19          | 15°54          | 24°57 | 9°54           | S 20 |
| M21  | 3 57 48 | 28° 8'39         | 8 <b>Ω</b> 34  | 9°31           | 8°54           | 8°45           | 11°24          | 4°50          | 5°44          | 15°58          | 9°45  | 17°15          | 15°51          | 25° 4 | 9°53           | M21  |
| T 22 | 4 1 44  | 29° 9'17         | 22°46          | 10°50          | 10° 9          | 9°22           | 11°35          | 4°55          | 5°44          | 15°58          | 9°44  | 17°14          | 15°47          | 25°10 | 9°51           | T 22 |
| W23  | 4 5 41  | 0 <b>才</b> 9'55  | 6 <b>m</b> 54  | 12°11          | 11°24          | 9°58           | 11°46          | 5° 1          | 5°44          | 15°58          | 9°43  | 17°D14         | 15°44          | 25°17 | 9°50           | W23  |
| T 24 | 4 9 38  | 1°10'36          | 20°57          | 13°34          | 12°39          | 10°35          | 11°56          | 5° 6          | 5°45          | 15°58          | 9°42  | 17°15          | 15°41          | 25°24 | 9°48           | T 24 |
| F 25 | 4 13 34 | 2°11'18          | 4 <b>Ω</b> 55  | 14°59          | 13°55          | 11°11          | 12° 7          | 5°11          | 5°45          | 15°58          | 9°41  | 17°16          | 15°38          | 25°31 | 9°47           | F 25 |
| S 26 | 4 17 31 | 3°12'02          | 18°46          | 16°26          | 15°10          | 11°48          | 12°17          | 5°16          | 5°46          | 15°58          | 9°41  | 17°R17         | 15°35          | 25°37 | 9°45           | S 26 |
| S 27 | 4 21 27 | 4°12'47          | 2 <b>M</b> 30  | 17°53          | 16°25          | 12°24          | 12°27          | 5°21          | 5°46          | 15°57          | 9°40  | 17°15          | 15°32          | 25°44 | 9°44           | S 27 |
| M28  | 4 25 24 | 5°13'34          | 16° 3          | 19°22          | 17°40          | 13° 0          | 12°37          | 5°26          | 5°47          | 15°57          | 9°39  | 17°12          | 15°28          | 25°51 | 9°43           | M28  |
| T 29 | 4 29 20 | 6°14'22          | 29°25          | 20°51          | 18°55          | 13°37          | 12°47          | 5°31          | 5°48          | 15°57          | 9°38  | 17° 6          | 15°25          | 25°57 | 9°42           | T 29 |
| W30  | 4 33 17 | 7 <b>₹</b> 15'11 | 12 <b>~</b> 34 | 22M21          | 20 <b>M</b> 11 | 14 <b>≏</b> 13 | 12 <b>≙</b> 57 | 5 <b>≏</b> 36 | 5 <b>)</b> 48 | 15 <b>Ω</b> 56 | 9937  | 16 <b>≏</b> 58 | 15 <b>≏</b> 22 | 26≈ 4 | 9 <b>Υ</b> 40  | W30  |

Delta T = 22.60 sec

DECEMBER 1921 00:00 UT

| Day  | Sid.t   | 0                 | D              | ğ              | φ              | ð              | 4             | ħ             | )Å(            | ¥              | Р              | ß              | Ω              | Ç     | , k           | Day  |
|------|---------|-------------------|----------------|----------------|----------------|----------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|-------|---------------|------|
| T 1  | 4 37 13 | 8 <b>₹</b> 16'02  | 25 <b>×</b> 28 | 23M52          | 21 <b>M</b> 26 | 14 <b>≏</b> 49 | 13 <b>♀</b> 7 | 5 <b>₽</b> 41 | 5 <b>)</b> (49 | 15°R56         | 9°R36          | 16°R49         | 15 <b>₾</b> 19 | 26≈11 | 9°R39         | T 1  |
| F 2  | 4 41 10 | 9°16'54           | 8중 7           | 25°23          | 22°41          | 15°25          | 13°17         | 5°45          | 5°50           | $15\Omega 56$  | 9935           | 16 <b>≏</b> 39 | 15°16          | 26°17 | 9 <b>Υ</b> 38 | F 2  |
| S 3  | 4 45 7  | 10°17'46          | 20°31          | 26°54          | 23°57          | 16° 2          | 13°26         | 5°50          | 5°51           | 15°55          | 9°33           | 16°29          | 15°13          | 26°24 | 9°37          | S 3  |
| S 4  | 4 49 3  | 11°18'40          | 2≈41           | 28°26          | 25°12          | 16°38          | 13°36         | 5°54          | 5°52           | 15°55          | 9°32           | 16°21          | 15° 9          | 26°31 | 9°36          | S 4  |
| M 5  | 4 53 0  | 12°19'35          | 14°40          | 29°58          | 26°27          | 17°14          | 13°45         | 5°59          | 5°53           | 15°54          | 9°31           | 16°14          | 15° 6          | 26°37 | 9°35          | M 5  |
| T 6  | 4 56 56 | 13°20'30          | 26°32          | 1 <b>₹</b> 30  | 27°43          | 17°50          | 13°55         | 6° 3          | 5°54           | 15°53          | 9°30           | 16°10          | 15° 3          | 26°44 | 9°34          | T 6  |
| W 7  | 5 0 53  | 14°21'26          | 8 <b>)</b> 21  | 3° 3           | 28°58          | 18°26          | 14° 4         | 6° 7          | 5°55           | 15°53          | 9°29           | 16° 8          | 15° 0          | 26°51 | 9°34          | W 7  |
| T 8  | 5 4 49  | 15°22'22          | 20°13          | 4°35           | 0 <b>₮</b> 13  | 19° 2          | 14°13         | 6°11          | 5°56           | 15°52          | 9°28           | 16°D 8         | 14°57          | 26°58 | 9°33          | T 8  |
| F 9  | 5 8 46  | 16°23'20          | 2 <b>Υ</b> 12  | 6° 8           | 1°29           | 19°38          | 14°22         | 6°15          | 5°57           | 15°52          | 9°27           | 16° 9          | 14°53          | 27° 4 | 9°32          | F 9  |
| S 10 | 5 12 42 | 17°24'18          | 14°25          | 7°41           | 2°44           | 20°14          | 14°31         | 6°19          | 5°58           | 15°51          | 9°26           | 16°R10         | 14°50          | 27°11 | 9°31          | S 10 |
| S 11 | 5 16 39 | 18°25'16          | 26°57          | 9°14           | 3°59           | 20°49          | 14°40         | 6°23          | 5°59           | 15°50          | 9°25           | 16° 9          | 14°47          | 27°18 | 9°31          | S 11 |
| M12  | 5 20 36 | 19°26'15          | 9 <b>8</b> 50  | 10°47          | 5°15           | 21°25          | 14°48         | 6°27          | 6° 1           | 15°49          | 9°24           | 16° 6          | 14°44          | 27°24 | 9°30          | M12  |
| T 13 | 5 24 32 | 20°27'15          | 23° 8          | 12°20          | 6°30           | 22° 1          | 14°57         | 6°30          | 6° 2           | 15°49          | 9°22           | 16° 1          | 14°41          | 27°31 | 9°30          | T 13 |
| W14  | 5 28 29 | 21°28'16          | 6耳50           | 13°53          | 7°45           | 22°37          | 15° 5         | 6°34          | 6° 4           | 15°48          | 9°21           | 15°53          | 14°38          | 27°38 | 9°29          | W14  |
| T 15 | 5 32 25 | 22°29'17          | 20°55          | 15°27          | 9° 1           | 23°13          | 15°14         | 6°38          | 6° 5           | 15°47          | 9°20           | 15°44          | 14°34          | 27°44 | 9°29          | T 15 |
| F 16 | 5 36 22 | 23°30'19          | 59519          | 17° 0          | 10°16          | 23°48          | 15°22         | 6°41          | 6° 6           | 15°46          | 9°19           | 15°32          | 14°31          | 27°51 | 9°29          | F 16 |
| S 17 | 5 40 18 | 24°31'22          | 19°53          | 18°34          | 11°32          | 24°24          | 15°30         | 6°44          | 6° 8           | 15°45          | 9°18           | 15°22          | 14°28          | 27°58 | 9°28          | S 17 |
| S 18 | 5 44 15 | 25°32'25          | 4 <b>Ω</b> 32  | 20° 7          | 12°47          | 24°59          | 15°38         | 6°48          | 6°10           | 15°44          | 9°17           | 15°12          | 14°25          | 28° 4 | 9°28          | S 18 |
| M19  | 5 48 12 | 26°33'29          | 19°8           | 21°41          | 14° 3          | 25°35          | 15°45         | 6°51          | 6°11           | 15°43          | 9°15           | 15° 4          | 14°22          | 28°11 | 9°28          | M19  |
| T 20 | 5 52 8  | 27°34'34          | 3 <b>m</b> 34  | 23°15          | 15°18          | 26°11          | 15°53         | 6°54          | 6°13           | 15°42          | 9°14           | 15° 0          | 14°19          | 28°18 | 9°28          | T 20 |
| W21  | 5 56 5  | 28°35'40          | 17°49          | 24°50          | 16°33          | 26°46          | 16° 1         | 6°57          | 6°15           | 15°41          | 9°13           | 14°58          | 14°15          | 28°24 | 9°28          | W21  |
| T 22 | 6 0 1   | 29°36'46          | 1 <b>≏</b> 49  | 26°24          | 17°49          | 27°21          | 16° 8         | 6°59          | 6°16           | 15°40          | 9°12           | 14°D57         | 14°12          | 28°31 | 9°D28         | T 22 |
| F 23 | 6 3 58  | 0 <b>ට</b> 37'53  | 15°35          | 27°59          | 19° 4          | 27°57          | 16°15         | 7° 2          | 6°18           | 15°39          | 9°10           | 14°R58         | 14° 9          | 28°38 | 9°28          | F 23 |
| S 24 | 6 7 54  | 1°39'01           | 29° 8          | 29°33          | 20°20          | 28°32          | 16°22         | 7° 5          | 6°20           | 15°38          | 9° 9           | 14°57          | 14° 6          | 28°45 | 9°28          | S 24 |
| S 25 | 6 11 51 | 2°40'10           | 12 <b>M</b> 29 | 1る8            | 21°35          | 29° 7          | 16°29         | 7° 7          | 6°22           | 15°37          | 9°8            | 14°54          | 14° 3          | 28°51 | 9°28          | S 25 |
| M26  | 6 15 47 | 3°41'19           | 25°38          | 2°44           | 22°51          | 29°43          | 16°36         | 7°10          | 6°24           | 15°36          | 9° 7           | 14°49          | 13°59          | 28°58 | 9°28          | M26  |
| T 27 | 6 19 44 | 4°42'29           | 8 <b>∡</b> 37  | 4°19           | 24° 6          | 0 <b>M</b> .18 | 16°43         | 7°12          | 6°26           | 15°35          | 9° 6           | 14°40          | 13°56          | 29° 5 | 9°29          | T 27 |
| W28  | 6 23 41 | 5°43'39           | 21°25          | 5°55           | 25°22          | 0°53           | 16°49         | 7°14          | 6°28           | 15°34          | 9° 4           | 14°28          | 13°53          | 29°11 | 9°29          | W28  |
| T 29 | 6 27 37 | 6°44'49           | 4 <b>궁</b> 3   | 7°31           | 26°37          | 1°28           | 16°56         | 7°16          | 6°30           | 15°32          | 9° 3           | 14°15          | 13°50          | 29°18 | 9°29          | T 29 |
| F 30 | 6 31 34 | 7°46'00           | 16°29          | 9° 7           | 27°53          | 2° 3           | 17° 2         | 7°18          | 6°32           | 15°31          | 9° 2           | 14° 0          | 13°47          | 29°25 | 9°30          | F 30 |
| S 31 | 6 35 30 | 8 <b>ප්</b> 47'10 | 28 <b>궁</b> 43 | 10 <b>る</b> 44 | 29 <b>∡</b> 8  | 2 <b>M</b> 38  | 17 <b>♀</b> 8 | 7 <b>≏</b> 20 | 6 <b>)</b> €34 | 15 <b>Ω</b> 30 | 9 <b>9</b> 5 1 | 13 <b>≏</b> 46 | 13 <b>≏</b> 44 | 29≈31 | 9 <b>Ƴ</b> 30 | S 31 |

Delta T = 22.64 sec

JANUARY 1922 00:00 UT

| Day  | Sid.t   | 0                 | D               | ğ              | Q             | ♂              | 4              | ħ             | )∤(            | 卉              | Р     | n              | v              | Ç             | ķ              | Day  |
|------|---------|-------------------|-----------------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|-------|----------------|----------------|---------------|----------------|------|
| S 1  | 6 39 27 | 9 <b>ප්</b> 48'21 | 10≈48           | 12 <b>ට</b> 21 | 0 <b>云</b> 24 | 3 <b>M</b> .13 | 17 <b>≙</b> 14 | 7 <b>≙</b> 22 | 6 <b>)</b> €37 | 15°R29         | 8°R59 | 13°R33         | 13 <b>≏</b> 40 | 29≈38         | 9 <b>Υ</b> 31  | S 1  |
| M 2  | 6 43 23 | 10°49'32          | 22°44           | 13°59          | 1°39          | 3°48           | 17°20          | 7°24          | 6°39           | 15 <b>Ω</b> 27 | 8958  | 13 <b>≏</b> 22 | 13°37          | 29°45         | 9°31           | M 2  |
| T 3  | 6 47 20 | 11°50'42          | 4 <b>) (</b> 33 | 15°36          | 2°54          | 4°23           | 17°25          | 7°25          | 6°41           | 15°26          | 8°57  | 13°15          | 13°34          | 29°51         | 9°32           | T 3  |
| W 4  | 6 51 16 | 12°51'52          | 16°21           | 17°14          | 4°10          | 4°57           | 17°31          | 7°27          | 6°43           | 15°25          | 8°56  | 13°11          | 13°31          | 29°58         | 9°33           | W 4  |
| T 5  | 6 55 13 | 13°53'02          | 28°10           | 18°53          | 5°25          | 5°32           | 17°36          | 7°28          | 6°46           | 15°23          | 8°54  | 13° 9          | 13°28          | 0 <b>米</b> 5  | 9°34           | T 5  |
| F 6  | 6 59 10 | 14°54'11          | 10 <b>°</b> 7   | 20°31          | 6°41          | 6° 7           | 17°41          | 7°30          | 6°48           | 15°22          | 8°53  | 13° 8          | 13°25          | 0°11          | 9°34           | F 6  |
| S 7  | 7 3 6   | 15°55'20          | 22°16           | 22°10          | 7°56          | 6°41           | 17°46          | 7°31          | 6°51           | 15°20          | 8°52  | 13° 8          | 13°21          | 0°18          | 9°35           | S 7  |
| S 8  | 7 7 3   | 16°56'29          | 4844            | 23°50          | 9°12          | 7°16           | 17°51          | 7°32          | 6°53           | 15°19          | 8°51  | 13° 7          | 13°18          | 0°25          | 9°36           | S 8  |
| M 9  | 7 10 59 | 17°57'37          | 17°34           | 25°29          | 10°27         | 7°50           | 17°56          | 7°33          | 6°56           | 15°18          | 8°50  | 13° 4          | 13°15          | 0°31          | 9°37           | M 9  |
| T 10 | 7 14 56 | 18°58'45          | 0耳53            | 27° 9          | 11°43         | 8°25           | 18° 0          | 7°34          | 6°58           | 15°16          | 8°48  | 12°59          | 13°12          | 0°38          | 9°38           | T 10 |
| W11  | 7 18 52 | 19°59'52          | 14°40           | 28°49          | 12°58         | 8°59           | 18° 4          | 7°34          | 7° 1           | 15°15          | 8°47  | 12°51          | 13° 9          | 0°45          | 9°39           | W11  |
| T 12 | 7 22 49 | 21° 0'59          | 28°55           | 0≈29           | 14°14         | 9°33           | 18° 8          | 7°35          | 7° 3           | 15°13          | 8°46  | 12°41          | 13° 5          | 0°52          | 9°40           | T 12 |
| F 13 | 7 26 45 | 22° 2'05          | 13935           | 2°10           | 15°29         | 10° 7          | 18°12          | 7°35          | 7° 6           | 15°12          | 8°45  | 12°29          | 13° 2          | 0°58          | 9°42           | F 13 |
| S 14 | 7 30 42 | 23° 3'11          | 28°32           | 3°50           | 16°44         | 10°41          | 18°16          | 7°36          | 7° 9           | 15°10          | 8°44  | 12°17          | 12°59          | 1° 5          | 9°43           | S 14 |
| S 15 | 7 34 39 | 24° 4'16          | 13 <b>N</b> 36  | 5°30           | 18° 0         | 11°15          | 18°20          | 7°36          | 7°11           | 15° 9          | 8°42  | 12° 7          | 12°56          | 1°12          | 9°44           | S 15 |
| M16  | 7 38 35 | 25° 5'21          | 28°37           | 7°10           | 19°15         | 11°49          | 18°23          | 7°36          | 7°14           | 15° 7          | 8°41  | 11°58          | 12°53          | 1°18          | 9°46           | M16  |
| T 17 | 7 42 32 | 26° 6'26          | 13 <b>m</b> 28  | 8°50           | 20°31         | 12°23          | 18°27          | 7°R36         | 7°17           | 15° 5          | 8°40  | 11°53          | 12°50          | 1°25          | 9°47           | T 17 |
| W18  | 7 46 28 | 27° 7'30          | 28° 0           | 10°29          | 21°46         | 12°57          | 18°30          | 7°36          | 7°20           | 15° 4          | 8°39  | 11°50          | 12°46          | 1°32          | 9°48           | W18  |
| T 19 | 7 50 25 | 28° 8'34          | 12 <b>⊆</b> 11  | 12° 8          | 23° 1         | 13°31          | 18°32          | 7°36          | 7°23           | 15° 2          | 8°38  | 11°D50         | 12°43          | 1°38          | 9°50           | T 19 |
| F 20 | 7 54 21 | 29° 9'38          | 26° 1           | 13°46          | 24°17         | 14° 5          | 18°35          | 7°36          | 7°25           | 15° 1          | 8°36  | 11°R50         | 12°40          | 1°45          | 9°51           | F 20 |
| S 21 | 7 58 18 | 0≈10'41           | 9 <b>M</b> .30  | 15°22          | 25°32         | 14°38          | 18°38          | 7°36          | 7°28           | 14°59          | 8°35  | 11°50          | 12°37          | 1°52          | 9°53           | S 21 |
| S 22 | 8 2 14  | 1°11'44           | 22°41           | 16°57          | 26°48         | 15°12          | 18°40          | 7°35          | 7°31           | 14°57          | 8°34  | 11°48          | 12°34          | 1°58          | 9°55           | S 22 |
| M23  | 8 6 11  | 2°12'47           | 5 <b>₹</b> 36   | 18°30          | 28° 3         | 15°45          | 18°42          | 7°35          | 7°34           | 14°56          | 8°33  | 11°43          | 12°31          | 2° 5          | 9°56           | M23  |
| T 24 | 8 10 8  | 3°13'49           | 1 <u>8</u> °17  | 20° 0          | 29°18         | 16°19          | 18°44          | 7°34          | 7°37           | 14°54          | 8°32  | 11°36          | 12°27          | 2°12          | 9°58           | T 24 |
| W25  | 8 14 4  | 4°14'51           | 0 <b>궁</b> 47   | 21°28          | 0≈34          | 16°52          | 18°46          | 7°33          | 7°40           | 14°53          | 8°31  | 11°26          | 12°24          | 2°18          | 10° 0          | W25  |
| T 26 | 8 18 1  | 5°15'52           | 13° 8           | 22°53          | 1°49          | 17°25          | 18°48          | 7°32          | 7°43           | 14°51          | 8°30  | 11°14          | 12°21          | 2°25          | 10° 2          | T 26 |
| F 27 | 8 21 57 | 6°16'52           | 25°20           | 24°13          | 3° 5          | 17°58          | 18°49          | 7°31          | 7°46           | 14°49          | 8°29  | 11° 1          | 12°18          | 2°32          | 10° 4          | F 27 |
| S 28 | 8 25 54 | 7°17'51           | 7≈23            | 25°29          | 4°20          | 18°31          | 18°50          | 7°30          | 7°49           | 14°48          | 8°28  | 10°48          | 12°15          | 2°38          | 10° 6          | S 28 |
| S 29 | 8 29 50 | 8°18'49           | 19°21           | 26°39          | 5°35          | 19° 4          | 18°51          | 7°29          | 7°52           | 14°46          | 8°27  | 10°37          | 12°11          | 2°45          | 10° 8          | S 29 |
| M30  | 8 33 47 | 9°19'47           | 1 <b>)</b> 12   | 27°43          | 6°51          | 19°37          | 18°52          | 7°28          | 7°55           | 14°44          | 8°26  | 10°27          | 12° 8          | 2°52          | 10°10          | M30  |
| T 31 | 8 37 43 | 10≈20'43          | 13 <b>∺</b> 0   | 28≈40          | 8≈ 6          | 20 <b>M</b> 10 | 18 <b>≏</b> 53 | 7 <b>≏</b> 26 | 7 <b>∺</b> 59  | 14 <b>Ω</b> 43 | 8924  | 10 <b>≏</b> 21 | 12 <b>♀</b> 5  | 2 <b>∺</b> 58 | 10 <b>Y</b> 12 | T 31 |

Delta T = 22.68 sec

FEBRUARY 1922 00:00 UT

| Day  | Sid.t    | 0                 | )                | φ             | ·               | ð              | 4              | ħ             | )ұ(           | ¥              | 2             | ß              | Ω              | ţ            | Š              | Day  |
|------|----------|-------------------|------------------|---------------|-----------------|----------------|----------------|---------------|---------------|----------------|---------------|----------------|----------------|--------------|----------------|------|
| W 1  | 8 41 40  | 11≈21'38          | 24 <b>) (</b> 47 | 29≈29         | 9≈21            | 20 <b>M</b> 42 | 18 <b>≏</b> 53 | 7°R25         | 8 <b>∺</b> 2  | 14°R41         | 8°R23         | 10°R17         | 12 <b>♀</b> 2  | 3 <b>米</b> 5 | 10 <b>Υ</b> 14 | W 1  |
| T 2  | 8 45 37  | 12°22'31          | 6 <b>Ƴ</b> 37    | 0 <b>∺</b> 10 | 10°37           | 21°15          | 18°54          | 7 <b>₾</b> 23 | 8° 5          | 14 <b>Ω</b> 39 | 89522         | 10°D15         | 11°59          | 3°12         | 10°16          | T 2  |
| F 3  | 8 49 33  | 13°23'24          | 18°33            | 0°41          | 11°52           | 21°47          | 18°R54         | 7°21          | 8° 8          | 14°37          | 8°21          | 10 <b>≏</b> 16 | 11°56          | 3°18         | 10°18          | F 3  |
| S 4  | 8 53 30  | 14°24'15          | 0840             | 1° 2          | 13° 7           | 22°19          | 18°54          | 7°19          | 8°11          | 14°36          | 8°21          | 10°17          | 11°52          | 3°25         | 10°21          | S 4  |
| S 5  | 8 57 26  | 15°25'04          | 13° 4            | 1°R13         | 14°23           | 22°52          | 18°53          | 7°18          | 8°14          | 14°34          | 8°20          | 10°R17         | 11°49          | 3°32         | 10°23          | S 5  |
| M 6  | 9 1 23   | 16°25'52          | 25°49            | 1°13          | 15°38           | 23°24          | 18°53          | 7°16          | 8°18          | 14°32          | 8°19          | 10°17          | 11°46          | 3°38         | 10°25          | M 6  |
| T 7  | 9 5 19   | 17°26'39          | 9Ⅱ 1             | 1° 2          | 16°53           | 23°56          | 18°52          | 7°13          | 8°21          | 14°31          | 8°18          | 10°14          | 11°43          | 3°45         | 10°27          | T 7  |
| W 8  | 9 9 16   | 18°27'24          | 22°41            | 0°39          | 18° 8           | 24°27          | 18°51          | 7°11          | 8°24          | 14°29          | 8°17          | 10°10          | 11°40          | 3°52         | 10°30          | W 8  |
| T 9  | 9 13 12  | 19°28'08          | 6951             | 0° 7          | 19°24           | 24°59          | 18°50          | 7° 9          | 8°28          | 14°27          | 8°16          | 10° 4          | 11°36          | 3°58         | 10°32          | T 9  |
| F 10 | 9 17 9   | 20°28'50          | 21°30            | 29≈25         | 20°39           | 25°31          | 18°49          | 7° 7          | 8°31          | 14°26          | 8°15          | 9°56           | 11°33          | 4° 5         | 10°35          | F 10 |
| S 11 | 9 21 6   | 21°29'31          | 6 <b>Ω</b> 30    | 28°34         | 21°54           | 26° 2          | 18°48          | 7° 4          | 8°34          | 14°24          | 8°14          | 9°48           | 11°30          | 4°12         | 10°37          | S 11 |
| S 12 | 9 25 2   | 22°30'10          | 21°44            | 27°37         | 23° 9           | 26°34          | 18°46          | 7° 1          | 8°38          | 14°22          | 8°13          | 9°41           | 11°27          | 4°18         | 10°40          | S 12 |
| M13  | 9 28 59  | 23°30'48          | 7 <b>m</b> ) 1   | 26°33         | 24°25           | 27° 5          | 18°44          | 6°59          | 8°41          | 14°21          | 8°12          | 9°35           | 11°24          | 4°25         | 10°43          | M13  |
| T 14 | 9 32 55  | 24°31'24          | 22°10            | 25°26         | 25°40           | 27°36          | 18°42          | 6°56          | 8°44          | 14°19          | 8°12          | 9°32           | 11°21          | 4°32         | 10°45          | T 14 |
| W15  | 9 36 52  | 25°31'59          | 7 <b>⊆</b> 2     | 24°17         | 26°55           | 28° 7          | 18°40          | 6°53          | 8°48          | 14°17          | 8°11          | 9°D31          | 11°17          | 4°39         | 10°48          | W15  |
| T 16 | 9 40 48  | 26°32'33          | 21°32            | 23° 8         | 28°10           | 28°38          | 18°38          | 6°50          | 8°51          | 14°16          | 8°10          | 9°31           | 11°14          | 4°45         | 10°51          | T 16 |
| F 17 | 9 44 45  | 27°33'06          | 5 <b>M</b> 35    | 22° 1         | 29°25           | 29° 9          | 18°35          | 6°47          | 8°54          | 14°14          | 8° 9          | 9°33           | 11°11          | 4°52         | 10°53          | F 17 |
| S 18 | 9 48 41  | 28°33'37          | 19°13            | 20°56         | 0 <b>) (</b> 40 | 29°39          | 18°32          | 6°44          | 8°58          | 14°12          | 8° 9          | 9°34           | 11° 8          | 4°59         | 10°56          | S 18 |
| S 19 | 9 52 38  | 29°34'07          | 2 <b>₹</b> 26    | 19°57         | 1°56            | 0 <b>₹</b> 10  | 18°30          | 6°41          | 9° 1          | 14°11          | 8° 8          | 9°R34          | 11° 5          | 5° 5         | 10°59          | S 19 |
| M20  | 9 56 35  | 0 <b>)</b> 34'36  | 15°19            | 19° 3         | 3°11            | 0°40           | 18°26          | 6°38          | 9° 5          | 14° 9          | 8° 7          | 9°33           | 11° 2          | 5°12         | 11° 2          | M20  |
| T 21 | 10 031   | 1°35'04           | 27°53            | 18°15         | 4°26            | 1°10           | 18°23          | 6°34          | 9°8           | 14° 8          | 8° 6          | 9°30           | 10°58          | 5°19         | 11° 5          | T 21 |
| W22  | 10 4 28  | 2°35'30           | 10 <b>ට</b> 13   | 17°35         | 5°41            | 1°40           | 18°20          | 6°31          | 9°11          | 14° 6          | 8° 6          | 9°25           | 10°55          | 5°25         | 11° 7          | W22  |
| T 23 | 10 8 24  | 3°35'55           | 22°23            | 17° 2         | 6°56            | 2°10           | 18°16          | 6°27          | 9°15          | 14° 4          | 8° 5          | 9°19           | 10°52          | 5°32         | 11°10          | T 23 |
| F 24 | 10 12 21 | 4°36'18           | 4≈23             | 16°36         | 8°11            | 2°40           | 18°12          | 6°24          | 9°18          | 14° 3          | 8° 5          | 9°13           | 10°49          | 5°39         | 11°13          | F 24 |
| S 25 | 10 16 17 | 5°36'40           | 16°18            | 16°17         | 9°26            | 3° 9           | 18° 8          | 6°20          | 9°22          | 14° 1          | 8° 4          | 9° 6           | 10°46          | 5°45         | 11°16          | S 25 |
| S 26 | 10 20 14 | 6°37'00           | 28° 9            | 16° 6         | 10°41           | 3°39           | 18° 4          | 6°16          | 9°25          | 14° 0          | 8° 3          | 9° 0           | 10°42          | 5°52         | 11°19          | S 26 |
| M27  | 10 24 10 | 7°37'18           | 9 <b>) (</b> 58  | 16°D 2        | 11°56           | 4° 8           | 18° 0          | 6°13          | 9°29          | 13°58          | 8° 3          | 8°56           | 10°39          | 5°59         | 11°22          | M27  |
| T 28 | 10 28 7  | 8 <b>)</b> €37'35 | 21 <b>) (</b> 47 | 16≈ 4         | 13 <b>米</b> 11  | 4 <b>₹</b> 37  | 17 <b>≏</b> 56 | 6 <b>亞</b> 9  | 9 <b>∺</b> 32 | 13 <b>Ω</b> 57 | 8 <b>95</b> 2 | 8 <b>亞</b> 53  | 10 <b>≏</b> 36 | 6 <b>¥</b> 5 | 11 <b>Y</b> 25 | T 28 |

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| Day  | Sid.t    | 0                | D              | ğ                | ·               | ð               | 4              | ħ             | )f(            | Ħ               | Р     | ß             | ß              | Ç             | ę,             | Day  |
|------|----------|------------------|----------------|------------------|-----------------|-----------------|----------------|---------------|----------------|-----------------|-------|---------------|----------------|---------------|----------------|------|
| W 1  | 10 32 3  | 9 <b>)</b> 37'50 | 3 <b>Y</b> 37  | 16≈13            | 14 <b>)</b> (26 | 5 <b>₹</b> 6    | 17°R51         | 6°R 5         | 9 <b>∺</b> 35  | 13°R55          | 8°R 2 | 8°D51         | 10 <b>≏</b> 33 | 6 <b>¥</b> 12 | 11 <b>Y</b> 29 | W 1  |
| T 2  | 10 36 0  | 10°38'03         | 15°31          | 16°28            | 15°41           | 5°35            | 17 <b>≏</b> 46 | 6 <b>º</b> 1  | 9°39           | 13 <b>£</b> 54  | 895 1 | 8 <b>≏</b> 51 | 10°30          | 6°19          | 11°32          | T 2  |
| F 3  | 10 39 57 | 11°38'13         | 27°33          | 16°48            | 16°56           | 6° 3            | 17°41          | 5°57          | 9°42           | 13°52           | 8° 1  | 8°53          | 10°27          | 6°25          | 11°35          | F 3  |
| S 4  | 10 43 53 | 12°38'22         | 9 <b>8</b> 45  | 17°13            | 18°11           | 6°31            | 17°36          | 5°53          | 9°46           | 13°51           | 8° 0  | 8°54          | 10°23          | 6°32          | 11°38          | S 4  |
| S 5  | 10 47 50 | 13°38'29         | 22°11          | 17°44            | 19°26           | 6°59            | 17°31          | 5°49          | 9°49           | 13°49           | 8° 0  | 8°56          | 10°20          | 6°39          | 11°41          | S 5  |
| M 6  | 10 51 46 | 14°38'34         | 4 <b>Ⅱ</b> 55  | 18°19            | 20°41           | 7°27            | 17°26          | 5°45          | 9°53           | 13°48           | 8° 0  | 8°57          | 10°17          | 6°45          | 11°44          | M 6  |
| T 7  | 10 55 43 | 15°38'37         | 18° 1          | 18°58            | 21°56           | 7°55            | 17°20          | 5°40          | 9°56           | 13°47           | 7°59  | 8°R58         | 10°14          | 6°52          | 11°48          | T 7  |
| W 8  | 10 59 39 | 16°38'38         | 19532          | 19°41            | 23°10           | 8°23            | 17°14          | 5°36          | 10° 0          | 13°45           | 7°59  | 8°57          | 10°11          | 6°59          | 11°51          | W 8  |
| T 9  | 11 3 36  | 17°38'36         | 15°30          | 20°28            | 24°25           | 8°50            | 17° 9          | 5°32          | 10° 3          | 13°44           | 7°58  | 8°55          | 10° 8          | 7° 5          | 11°54          | T 9  |
| F 10 | 11 7 32  | 18°38'32         | 29°54          | 21°18            | 25°40           | 9°17            | 17° 3          | 5°27          | 10° 6          | 13°43           | 7°58  | 8°53          | 10° 4          | 7°12          | 11°57          | F 10 |
| S 11 | 11 11 29 | 19°38'26         | 14 <b>Ω</b> 42 | 22°11            | 26°55           | 9°44            | 16°57          | 5°23          | 10°10          | 13°41           | 7°58  | 8°50          | 10° 1          | 7°19          | 12° 1          | S 11 |
| S 12 | 11 15 26 | 20°38'18         | 29°46          | 23° 8            | 28° 9           | 10°10           | 16°50          | 5°19          | 10°13          | 13°40           | 7°58  | 8°48          | 9°58           | 7°25          | 12° 4          | S 12 |
| M13  | 11 19 22 | 21°38'08         | 14 <b>M</b> 59 | 24° 7            | 29°24           | 10°37           | 16°44          | 5°14          | 10°17          | 13°39           | 7°57  | 8°46          | 9°55           | 7°32          | 12° 7          | M13  |
| T 14 | 11 23 19 | 22°37'55         | 0 <b>ჲ</b> 10  | 25° 9            | 0 <b>Ƴ</b> 39   | 11° 3           | 16°38          | 5°10          | 10°20          | 13°37           | 7°57  | 8°45          | 9°52           | 7°39          | 12°11          | T 14 |
| W15  | 11 27 15 | 23°37'41         | 15°11          | 26°13            | 1°54            | 11°29           | 16°31          | 5° 5          | 10°23          | 13°36           | 7°57  | 8°D45         | 9°48           | 7°45          | 12°14          | W15  |
| T 16 | 11 31 12 | 24°37'25         | 29°52          | 27°20            | 3° 8            | 11°54           | 16°25          | 5° 0          | 10°27          | 13°35           | 7°57  | 8°45          | 9°45           | 7°52          | 12°18          | T 16 |
| F 17 | 11 35 8  | 25°37'07         | 14M 9          | 28°29            | 4°23            | 12°20           | 16°18          | 4°56          | 10°30          | 13°34           | 7°57  | 8°47          | 9°42           | 7°59          | 12°21          | F 17 |
| S 18 | 11 39 5  | 26°36'48         | 27°59          | 29°40            | 5°38            | 12°45           | 16°11          | 4°51          | 10°33          | 13°33           | 7°57  | 8°48          | 9°39           | 8° 5          | 12°24          | S 18 |
| S 19 | 11 43 1  | 27°36'27         | 11 <b>×</b> 23 | 0 <b>∺</b> 53    | 6°52            | 13°10           | 16° 4          | 4°47          | 10°37          | 13°32           | 7°56  | 8°48          | 9°36           | 8°12          | 12°28          | S 19 |
| M20  | 11 46 58 | 28°36'04         | 24°21          | 2° 9             | 8° 7            | 13°35           | 15°57          | 4°42          | 10°40          | 13°31           | 7°56  | 8°R49         | 9°33           | 8°19          | 12°31          | M20  |
| T 21 | 11 50 55 | 29°35'39         | 6 <b>ප</b> 57  | 3°25             | 9°21            | 13°59           | 15°50          | 4°37          | 10°43          | 13°29           | 7°56  | 8°49          | 9°29           | 8°25          | 12°35          | T 21 |
| W22  | 11 54 51 | 0 <b>Ƴ</b> 35'13 | 19°16          | 4°44             | 10°36           | 14°23           | 15°43          | 4°33          | 10°47          | 13°28           | 7°56  | 8°48          | 9°26           | 8°32          | 12°38          | W22  |
| T 23 | 11 58 48 | 1°34'45          | 1≈21           | 6° 5             | 11°50           | 14°47           | 15°36          | 4°28          | 10°50          | 13°27           | 7°D56 | 8°48          | 9°23           | 8°39          | 12°42          | T 23 |
| F 24 | 12 2 44  | 2°34'15          | 13°17          | 7°27             | 13° 5           | 15°10           | 15°28          | 4°23          | 10°53          | 13°26           | 7°56  | 8°47          | 9°20           | 8°45          | 12°45          | F 24 |
| S 25 | 12 6 41  | 3°33'43          | 25° 7          | 8°50             | 14°19           | 15°34           | 15°21          | 4°19          | 10°57          | 13°25           | 7°56  | 8°46          | 9°17           | 8°52          | 12°49          | S 25 |
| S 26 | 12 10 37 | 4°33'09          | 6 <b>¥</b> 55  | 10°16            | 15°34           | 15°56           | 15°13          | 4°14          | 11° 0          | 13°24           | 7°56  | 8°45          | 9°13           | 8°59          | 12°52          | S 26 |
| M27  | 12 14 34 | 5°32'33          | 18°43          | 11°43            | 16°48           | 16°19           | 15° 6          | 4° 9          | 11° 3          | 13°24           | 7°56  | 8°45          | 9°10           | 9° 5          | 12°56          | M27  |
| T 28 | 12 18 30 | 6°31'56          | 0 <b>Ƴ</b> 35  | 13°11            | 18° 3           | 16°41           | 14°58          | 4° 4          | 11° 6          | 13°23           | 7°57  | 8°45          | 9° 7           | 9°12          | 12°59          | T 28 |
| W29  | 12 22 27 | 7°31'16          | 12°32          | 14°41            | 19°17           | 17° 3           | 14°51          | 4° 0          | 11° 9          | 13°22           | 7°57  | 8°D45         | 9° 4           | 9°19          | 13° 3          | W29  |
| T 30 | 12 26 23 | 8°30'34          | 24°36          | 16°12            | 20°31           | 17°25           | 14°43          | 3°55          | 11°13          | 13°21           | 7°57  | 8°R45         | 9° 1           | 9°25          | 13° 6          | T 30 |
| F 31 | 12 30 20 | 9 <b>Ƴ</b> 29'50 | 6 <b>8</b> 50  | 17 <b>) (</b> 45 | 21 <b>Y</b> 46  | 17 <b>×7</b> 46 | 14 <b>≏</b> 36 | 3 <b>≏</b> 50 | 11 <b>米</b> 16 | 13 <b>\O</b> 20 | 7957  | 8 <b>≏</b> 45 | 8 <b>≏</b> 58  | 9 <b>∺</b> 32 | 13 <b>Y</b> 10 | F 31 |

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| Day  | Sid.t    | 0                 | D              | ğ              | φ              | ď               | 4              | ħ             | )/(             | ¥              | Б     | B             | သ             | Ç              | Š              | Day  |
|------|----------|-------------------|----------------|----------------|----------------|-----------------|----------------|---------------|-----------------|----------------|-------|---------------|---------------|----------------|----------------|------|
| S 1  | 12 34 17 | 10 <b>Y</b> 29'04 | 19 <b>8</b> 14 | 19 <b>米</b> 19 | 23 <b>°</b> 0  | 18 <b>×7</b> 7  | 14°R28         | 3°R46         | 11 <b>米</b> 19  | 13°R19         | 7957  | 8°R45         | 8 <b>≏</b> 54 | 9 <b>米</b> 39  | 13 <b>Y</b> 13 | S 1  |
| S 2  | 12 38 13 | 11°28'16          | 1Ⅲ52           | 20°55          | 24°14          | 18°27           | 14₽20          | 3 <b>≏</b> 41 | 11°22           | 13 <b>Ω</b> 19 | 7°57  | 8 <b>≏</b> 44 | 8°51          | 9°45           | 13°17          | S 2  |
| M 3  | 12 42 10 | 12°27'26          | 14°45          | 22°32          | 25°28          | 18°47           | 14°13          | 3°36          | 11°25           | 13°18          | 7°58  | 8°44          | 8°48          | 9°52           | 13°20          | M 3  |
| T 4  | 12 46 6  | 13°26'33          | 27°54          | 24°11          | 26°43          | 19° 7           | 14° 5          | 3°32          | 11°28           | 13°17          | 7°58  | 8°44          | 8°45          | 9°59           | 13°24          | T 4  |
| W 5  | 12 50 3  | 14°25'38          | 119523         | 25°51          | 27°57          | 19°26           | 13°57          | 3°27          | 11°31           | 13°17          | 7°58  | 8°D43         | 8°42          | 10° 5          | 13°27          | W 5  |
| T 6  | 12 53 59 | 15°24'41          | 25°12          | 27°32          | 29°11          | 19°45           | 13°49          | 3°23          | 11°34           | 13°16          | 7°59  | 8°43          | 8°39          | 10°12          | 13°31          | T 6  |
| F 7  | 12 57 56 | 16°23'41          | 9 <b>Ω</b> 21  | 29°15          | 0 <b>8</b> 25  | 20° 3           | 13°42          | 3°18          | 11°37           | 13°15          | 7°59  | 8°44          | 8°35          | 10°19          | 13°35          | F 7  |
| S 8  | 13 1 52  | 17°22'39          | 23°48          | 0 <b>Υ</b> 59  | 1°39           | 20°22           | 13°34          | 3°14          | 11°40           | 13°15          | 7°59  | 8°45          | 8°32          | 10°25          | 13°38          | S 8  |
| S 9  | 13 5 49  | 18°21'35          | 8 <b>m</b> 31  | 2°45           | 2°53           | 20°39           | 13°26          | 3° 9          | 11°43           | 13°14          | 8° 0  | 8°45          | 8°29          | 10°32          | 13°42          | S 9  |
| M10  | 13 9 46  | 19°20'28          | 23°24          | 4°33           | 4° 7           | 20°56           | 13°19          | 3° 5          | 11°46           | 13°14          | 8° 0  | 8°46          | 8°26          | 10°38          | 13°45          | M10  |
| T 11 | 13 13 42 | 20°19'19          | 8 <b>ჲ</b> 20  | 6°22           | 5°21           | 21°13           | 13°11          | 3° 0          | 11°49           | 13°13          | 8° 1  | 8°R46         | 8°23          | 10°45          | 13°49          | T 11 |
| W12  | 13 17 39 | 21°18'08          | 23°11          | 8°12           | 6°35           | 21°29           | 13° 3          | 2°56          | 11°52           | 13°13          | 8° 1  | 8°46          | 8°19          | 10°52          | 13°52          | W12  |
| T 13 | 13 21 35 | 22°16'55          | 7 <b>M</b> ₅50 | 10° 4          | 7°49           | 21°45           | 12°56          | 2°52          | 11°54           | 13°13          | 8° 2  | 8°45          | 8°16          | 10°58          | 13°56          | T 13 |
| F 14 | 13 25 32 | 23°15'41          | 22° 9          | 11°57          | 9° 3           | 22° 1           | 12°48          | 2°48          | 11°57           | 13°12          | 8° 2  | 8°43          | 8°13          | 11° 5          | 13°59          | F 14 |
| S 15 | 13 29 28 | 24°14'24          | 6 <b>≯</b> 5   | 13°52          | 10°17          | 22°16           | 12°41          | 2°43          | 12° 0           | 13°12          | 8° 3  | 8°41          | 8°10          | 11°12          | 14° 3          | S 15 |
| S 16 | 13 33 25 | 25°13'06          | 19°36          | 15°49          | 11°31          | 22°30           | 12°33          | 2°39          | 12° 3           | 13°12          | 8° 3  | 8°39          | 8° 7          | 11°18          | 14° 6          | S 16 |
| M17  | 13 37 21 | 26°11'46          | 2 <b>ප්</b> 41 | 17°47          | 12°45          | 22°44           | 12°26          | 2°35          | 12° 5           | 13°11          | 8° 4  | 8°37          | 8° 4          | 11°25          | 14°10          | M17  |
| T 18 | 13 41 18 | 27°10'25          | 15°22          | 19°46          | 13°59          | 22°57           | 12°19          | 2°31          | 12° 8           | 13°11          | 8° 4  | 8°36          | 8° 0          | 11°32          | 14°13          | T 18 |
| W19  | 13 45 15 | 28° 9'01          | 27°44          | 21°47          | 15°13          | 23°10           | 12°12          | 2°27          | 12°11           | 13°11          | 8° 5  | 8°D36         | 7°57          | 11°38          | 14°17          | W19  |
| T 20 | 13 49 11 | 29° 7'36          | 9≈50           | 23°49          | 16°26          | 23°22           | 12° 4          | 2°23          | 12°13           | 13°11          | 8° 6  | 8°36          | 7°54          | 11°45          | 14°20          | T 20 |
| F 21 | 13 53 8  | 0 <b>8</b> 6'09   | 21°45          | 25°53          | 17°40          | 23°34           | 11°57          | 2°19          | 12°16           | 13°11          | 8° 6  | 8°37          | 7°51          | 11°52          | 14°23          | F 21 |
| S 22 | 13 57 4  | 1° 4'41           | 3 <b>∺</b> 35  | 27°58          | 18°54          | 23°45           | 11°50          | 2°15          | 12°18           | 13°11          | 8° 7  | 8°39          | 7°48          | 11°58          | 14°27          | S 22 |
| S 23 | 14 1 1   | 2° 3'11           | 15°22          | 0 <b>8</b> 4   | 20° 7          | 23°56           | 11°44          | 2°12          | 12°21           | 13°10          | 8° 8  | 8°41          | 7°45          | 12° 5          | 14°30          | S 23 |
| M24  | 14 4 57  | 3° 1'39           | 27°13          | 2°11           | 21°21          | 24° 6           | 11°37          | 2° 8          | 12°23           | 13°10          | 8° 8  | 8°42          | 7°41          | 12°12          | 14°34          | M24  |
| T 25 | 14 8 54  | 4° 0'06           | 9 <b>Υ</b> 9   | 4°18           | 22°35          | 24°15           | 11°30          | 2° 4          | 12°26           | 13°D10         | 8° 9  | 8°R42         | 7°38          | 12°18          | 14°37          | T 25 |
| W26  | 14 12 50 | 4°58'31           | 21°15          | 6°27           | 23°48          | 24°24           | 11°23          | 2° 1          | 12°28           | 13°10          | 8°10  | 8°42          | 7°35          | 12°25          | 14°40          | W26  |
| T 27 | 14 16 47 | 5°56'54           | 3 <b>8</b> 32  | 8°35           | 25° 2          | 24°32           | 11°17          | 1°57          | 12°31           | 13°11          | 8°11  | 8°40          | 7°32          | 12°32          | 14°44          | T 27 |
| F 28 | 14 20 44 | 6°55'15           | 16° 2          | 10°44          | 26°15          | 24°39           | 11°11          | 1°54          | 12°33           | 13°11          | 8°11  | 8°36          | 7°29          | 12°38          | 14°47          | F 28 |
| S 29 | 14 24 40 | 7°53'34           | 28°45          | 12°53          | 27°29          | 24°46           | 11° 4          | 1°50          | 12°35           | 13°11          | 8°12  | 8°32          | 7°25          | 12°45          | 14°50          | S 29 |
| S 30 | 14 28 37 | 8 <b>8</b> 51'52  | 11 <b>Ⅱ</b> 43 | 15 <b>8</b> 2  | 28 <b>8</b> 42 | 24 <b>×</b> 752 | 10 <b>≏</b> 58 | 1 <b>≏</b> 47 | 12 <b>)</b> €38 | 13 <b>Ω</b> 11 | 89913 | 8 <b>≏</b> 27 | 7 <b>≙</b> 22 | 12 <b>)</b> 52 | 14 <b>Y</b> 54 | S 30 |

Delta T = 22.80 sec

MAY 1922 00:00 UT

| Day  | Sid.t    | 0                | D                | ğ             | Q.             | ď               | 4              | ħ             | )f(             | ¥              | В             | ß             | C             | Ç              | ę,             | Day  |
|------|----------|------------------|------------------|---------------|----------------|-----------------|----------------|---------------|-----------------|----------------|---------------|---------------|---------------|----------------|----------------|------|
| M 1  | 14 32 33 | 9 <b>8</b> 50'07 | 24∏53            | 17 <b>8</b> 9 | 29 <b>8</b> 56 | 24 <b>×</b> 758 | 10°R52         | 1°R44         | 12 <b>)</b> (40 | 13 <b>Ω</b> 11 | 89514         | 8°R22         | 7 <b>≙</b> 19 | 12 <b>米</b> 58 | 14 <b>Y</b> 57 | M 1  |
| T 2  | 14 36 30 | 10°48'21         | 89518            | 19°16         | 1 <b>II</b> 9  | 25° 2           | 10 <b>≏</b> 46 | 1 <b>≏</b> 41 | 12°42           | 13°11          | 8°15          | 8 <b>亞</b> 18 | 7°16          | 13° 5          | 15° 0          | T 2  |
| W 3  | 14 40 26 | 11°46'33         | 21°55            | 21°22         | 2°23           | 25° 6           | 10°40          | 1°38          | 12°44           | 13°12          | 8°16          | 8°15          | 7°13          | 13°12          | 15° 4          | W 3  |
| T 4  | 14 44 23 | 12°44'43         | 5 <b>Ω</b> 44    | 23°26         | 3°36           | 25°10           | 10°35          | 1°35          | 12°46           | 13°12          | 8°17          | 8°14          | 7°10          | 13°18          | 15° 7          | T 4  |
| F 5  | 14 48 19 | 13°42'50         | 19°46            | 25°28         | 4°49           | 25°13           | 10°29          | 1°32          | 12°48           | 13°12          | 8°18          | 8°D14         | 7° 6          | 13°25          | 15°10          | F 5  |
| S 6  | 14 52 16 | 14°40'56         | 3 <b>m</b> 58    | 27°28         | 6° 3           | 25°14           | 10°24          | 1°29          | 12°50           | 13°13          | 8°19          | 8°15          | 7° 3          | 13°32          | 15°13          | S 6  |
| S 7  | 14 56 13 | 15°38'59         | 18°20            | 29°26         | 7°16           | 25°16           | 10°19          | 1°27          | 12°52           | 13°13          | 8°19          | 8°16          | 7° 0          | 13°38          | 15°16          | S 7  |
| M 8  | 15 0 9   | 16°37'01         | 2 <b>≏</b> 48    | 1 <b>Ⅲ</b> 21 | 8°29           | 25°R16          | 10°14          | 1°24          | 12°54           | 13°13          | 8°20          | 8°R17         | 6°57          | 13°45          | 15°19          | M 8  |
| T 9  | 15 4 6   | 17°35'01         | 17°19            | 3°13          | 9°42           | 25°16           | 10° 9          | 1°21          | 12°56           | 13°14          | 8°21          | 8°17          | 6°54          | 13°52          | 15°23          | T 9  |
| W10  | 15 8 2   | 18°32'59         | 1 <b>M</b> .48   | 5° 3          | 10°55          | 25°15           | 10° 4          | 1°19          | 12°58           | 13°14          | 8°22          | 8°15          | 6°50          | 13°58          | 15°26          | W10  |
| T 11 | 15 11 59 | 19°30'56         | 16° 9            | 6°49          | 12° 8          | 25°14           | 9°59           | 1°17          | 13° 0           | 13°15          | 8°24          | 8°11          | 6°47          | 14° 5          | 15°29          | T 11 |
| F 12 | 15 15 55 | 20°28'50         | 0 <b>才</b> 16    | 8°32          | 13°22          | 25°11           | 9°55           | 1°14          | 13° 2           | 13°15          | 8°25          | 8° 5          | 6°44          | 14°12          | 15°32          | F 12 |
| S 13 | 15 19 52 | 21°26'44         | 14° 6            | 10°12         | 14°35          | 25° 8           | 9°50           | 1°12          | 13° 3           | 13°16          | 8°26          | 7°58          | 6°41          | 14°18          | 15°35          | S 13 |
| S 14 | 15 23 48 | 22°24'36         | 27°34            | 11°49         | 15°48          | 25° 4           | 9°46           | 1°10          | 13° 5           | 13°17          | 8°27          | 7°51          | 6°38          | 14°25          | 15°38          | S 14 |
| M15  | 15 27 45 | 23°22'27         | 10 <b>る</b> 39   | 13°22         | 17° 1          | 24°59           | 9°42           | 1° 8          | 13° 7           | 13°17          | 8°28          | 7°44          | 6°35          | 14°32          | 15°41          | M15  |
| T 16 | 15 31 42 | 24°20'16         | 23°22            | 14°51         | 18°13          | 24°54           | 9°38           | 1° 6          | 13° 8           | 13°18          | 8°29          | 7°39          | 6°31          | 14°38          | 15°44          | T 16 |
| W17  | 15 35 38 | 25°18'04         | 5≈46             | 16°17         | 19°26          | 24°48           | 9°35           | 1° 4          | 13°10           | 13°19          | 8°30          | 7°35          | 6°28          | 14°45          | 15°47          | W17  |
| T 18 | 15 39 35 | 26°15'52         | 17°54            | 17°39         | 20°39          | 24°41           | 9°31           | 1° 3          | 13°12           | 13°19          | 8°31          | 7°33          | 6°25          | 14°51          | 15°49          | T 18 |
| F 19 | 15 43 31 | 27°13'37         | 29°50            | 18°58         | 21°52          | 24°33           | 9°28           | 1° 1          | 13°13           | 13°20          | 8°32          | 7°D32         | 6°22          | 14°58          | 15°52          | F 19 |
| S 20 | 15 47 28 | 28°11'22         | 11 <b>) (</b> 40 | 20°13         | 23° 5          | 24°25           | 9°25           | 1° 0          | 13°14           | 13°21          | 8°34          | 7°33          | 6°19          | 15° 5          | 15°55          | S 20 |
| S 21 | 15 51 24 | 29° 9'06         | 23°29            | 21°24         | 24°18          | 24°16           | 9°22           | 0°58          | 13°16           | 13°22          | 8°35          | 7°34          | 6°16          | 15°11          | 15°58          | S 21 |
| M22  | 15 55 21 | 0 <b>Ⅱ</b> 6'48  | 5 <b>Υ</b> 21    | 22°31         | 25°30          | 24° 6           | 9°19           | 0°57          | 13°17           | 13°23          | 8°36          | 7°R35         | 6°12          | 15°18          | 16° 1          | M22  |
| T 23 | 15 59 17 | 1° 4'30          | 17°23            | 23°34         | 26°43          | 23°55           | 9°16           | 0°56          | 13°19           | 13°24          | 8°37          | 7°35          | 6° 9          | 15°25          | 16° 3          | T 23 |
| W24  | 16 3 14  | 2° 2'10          | 29°37            | 24°33         | 27°56          | 23°44           | 9°14           | 0°54          | 13°20           | 13°25          | 8°38          | 7°32          | 6° 6          | 15°31          | 16° 6          | W24  |
| T 25 | 16 7 10  | 2°59'49          | 128 6            | 25°29         | 29° 8          | 23°32           | 9°12           | 0°53          | 13°21           | 13°26          | 8°40          | 7°27          | 6° 3          | 15°38          | 16° 9          | T 25 |
| F 26 | 16 11 7  | 3°57'27          | 24°52            | 26°20         | 09୍ଦ21         | 23°19           | 9° 9           | 0°53          | 13°22           | 13°27          | 8°41          | 7°21          | 6° 0          | 15°45          | 16°11          | F 26 |
| S 27 | 16 15 4  | 4°55'05          | 7 <b>Ⅱ</b> 56    | 27° 7         | 1°34           | 23° 5           | 9° 8           | 0°52          | 13°23           | 13°28          | 8°42          | 7°12          | 5°56          | 15°51          | 16°14          | S 27 |
| S 28 | 16 19 0  | 5°52'41          | 21°17            | 27°50         | 2°46           | 22°51           | 9° 6           | 0°51          | 13°24           | 13°29          | 8°44          | 7° 2          | 5°53          | 15°58          | 16°16          | S 28 |
| M29  | 16 22 57 | 6°50'15          | 4952             | 28°28         | 3°59           | 22°37           | 9° 4           | 0°50          | 13°25           | 13°30          | 8°45          | 6°52          | 5°50          | 16° 5          | 16°19          | M29  |
| T 30 | 16 26 53 | 7°47'49          | 18°39            | 29° 2         | 5°11           | 22°21           | 9° 3           | 0°50          | 13°26           | 13°31          | 8°46          | 6°44          | 5°47          | 16°11          | 16°21          | T 30 |
| W31  | 16 30 50 | 8 <b>Ⅱ</b> 45'21 | 2 <b>Ω</b> 35    | 29耳32         | 6923           | 22 <b>₹</b> 6   | 9 <b>₾</b> 2   | ე <b>ჲ</b> 49 | 13 <b>米</b> 27  | 13 <b>Ω</b> 32 | 8 <b>9</b> 47 | 6 <b>≏</b> 37 | 5 <b>≏</b> 44 | 16 <b>米</b> 18 | 16 <b>Y</b> 24 | W31  |

Delta T = 22.83 sec

JUNE 1922 00:00 UT

|      | _        |          |                 |        |                |                |               |               |                 |                |               |               |               |                |                |      |
|------|----------|----------|-----------------|--------|----------------|----------------|---------------|---------------|-----------------|----------------|---------------|---------------|---------------|----------------|----------------|------|
| Day  | Sid.t    | 0        | D               | ğ      | φ              | o <sup>™</sup> | 4             | ħ             | )∤(             | ¥              | Р             | u             | v             | Ç              | ę,             | Day  |
| T 1  | 16 34 46 | 9∏42'52  | 16 <b>Ω</b> 37  | 29耳57  | 7936           | 21°R49         | 9°R 1         | 0°R49         | 13 <b>)</b> (28 | 13 <b>Ω</b> 33 | 8 <b>9</b> 49 | 6°R32         | 5 <b>≙</b> 41 | 16 <b>)</b> 25 | 16 <b>Y</b> 26 | T 1  |
| F 2  | 16 38 43 | 10°40'21 | 0 <b>m</b> 42   | 09୍ତ18 | 8°48           | 21 <b>~</b> 32 | 9 <b>₾</b> 0  | 0 <b>ჲ</b> 49 | 13°29           | 13°34          | 8°50          | 6 <b>₽</b> 30 | 5°37          | 16°31          | 16°29          | F 2  |
| S 3  | 16 42 40 | 11°37'49 | 14°50           | 0°33   | 10° 0          | 21°15          | 8°59          | 0°49          | 13°30           | 13°36          | 8°52          | 6°D30         | 5°34          | 16°38          | 16°31          | S 3  |
| S 4  | 16 46 36 | 12°35'16 | 28°59           | 0°45   | 11°13          | 20°58          | 8°59          | 0°D49         | 13°31           | 13°37          | 8°53          | 6°R30         | 5°31          | 16°45          | 16°33          | S 4  |
| M 5  | 16 50 33 | 13°32'42 | 13 <b>♀</b> 8   | 0°51   | 12°25          | 20°39          | 8°58          | 0°49          | 13°31           | 13°38          | 8°54          | 6°30          | 5°28          | 16°51          | 16°36          | M 5  |
| T 6  | 16 54 29 | 14°30'06 | 27°15           | 0°R53  | 13°37          | 20°21          | 8°D58         | 0°49          | 13°32           | 13°39          | 8°56          | 6°29          | 5°25          | 16°58          | 16°38          | T 6  |
| W 7  | 16 58 26 | 15°27'29 | 11 <b>M</b> .17 | 0°51   | 14°49          | 20° 2          | 8°58          | 0°49          | 13°32           | 13°41          | 8°57          | 6°25          | 5°22          | 17° 5          | 16°40          | W 7  |
| T 8  | 17 2 22  | 16°24'51 | 25°13           | 0°44   | 16° 1          | 19°43          | 8°58          | 0°50          | 13°33           | 13°42          | 8°58          | 6°18          | 5°18          | 17°11          | 16°42          | T 8  |
| F 9  | 17 6 19  | 17°22'13 | 8 <b>.7</b> 59  | 0°33   | 17°13          | 19°24          | 8°59          | 0°50          | 13°34           | 13°43          | 9° 0          | 6° 9          | 5°15          | 17°18          | 16°44          | F 9  |
| S 10 | 17 10 15 | 18°19'33 | 22°31           | 0°17   | 18°25          | 19° 5          | 8°59          | 0°51          | 13°34           | 13°45          | 9° 1          | 5°58          | 5°12          | 17°25          | 16°46          | S 10 |
| S 11 | 17 14 12 | 19°16'53 | 5 <b>₹</b> 46   | 29耳58  | 19°37          | 18°45          | 9° 0          | 0°52          | 13°34           | 13°46          | 9° 3          | 5°47          | 5° 9          | 17°31          | 16°48          | S 11 |
| M12  | 17 18 9  | 20°14'12 | 18°42           | 29°36  | 20°49          | 18°26          | 9° 1          | 0°52          | 13°35           | 13°48          | 9° 4          | 5°35          | 5° 6          | 17°38          | 16°50          | M12  |
| T 13 | 17 22 5  | 21°11'31 | 1≈21            | 29°10  | 22° 1          | 18° 6          | 9° 2          | 0°53          | 13°35           | 13°49          | 9° 6          | 5°25          | 5° 2          | 17°44          | 16°52          | T 13 |
| W14  | 17 26 2  | 22° 8'49 | 13°42           | 28°42  | 23°13          | 17°46          | 9° 4          | 0°54          | 13°35           | 13°51          | 9° 7          | 5°18          | 4°59          | 17°51          | 16°54          | W14  |
| T 15 | 17 29 58 | 23° 6'07 | 25°48           | 28°11  | 24°24          | 17°27          | 9° 5          | 0°55          | 13°36           | 13°52          | 9° 8          | 5°13          | 4°56          | 17°58          | 16°56          | T 15 |
| F 16 | 17 33 55 | 24° 3'24 | 7 <b>) (</b> 44 | 27°39  | 25°36          | 17° 7          | 9° 7          | 0°57          | 13°36           | 13°54          | 9°10          | 5°10          | 4°53          | 18° 4          | 16°58          | F 16 |
| S 17 | 17 37 51 | 25° 0'41 | 19°34           | 27° 6  | 26°48          | 16°48          | 9° 9          | 0°58          | 13°36           | 13°55          | 9°11          | 5° 9          | 4°50          | 18°11          | 16°59          | S 17 |
| S 18 | 17 41 48 | 25°57'57 | 1 <b>Y</b> 23   | 26°31  | 27°59          | 16°28          | 9°11          | 0°59          | 13°36           | 13°57          | 9°13          | 5° 9          | 4°47          | 18°18          | 17° 1          | S 18 |
| M19  | 17 45 44 | 26°55'13 | 13°17           | 25°57  | 29°11          | 16° 9          | 9°13          | 1° 1          | 13°R36          | 13°59          | 9°14          | 5° 9          | 4°43          | 18°24          | 17° 3          | M19  |
| T 20 | 17 49 41 | 27°52'29 | 25°20           | 25°24  | 0 <b>Ω</b> 22  | 15°50          | 9°15          | 1° 2          | 13°36           | 14° 0          | 9°16          | 5° 7          | 4°40          | 18°31          | 17° 4          | T 20 |
| W21  | 17 53 38 | 28°49'45 | 7 <b>8</b> 39   | 24°51  | 1°34           | 15°32          | 9°18          | 1° 4          | 13°36           | 14° 2          | 9°17          | 5° 4          | 4°37          | 18°38          | 17° 6          | W21  |
| T 22 | 17 57 34 | 29°47'01 | 20°17           | 24°20  | 2°45           | 15°14          | 9°20          | 1° 6          | 13°36           | 14° 4          | 9°19          | 4°58          | 4°34          | 18°44          | 17° 7          | T 22 |
| F 23 | 18 1 31  | 09544'16 | 3 <b>I</b> I16  | 23°52  | 3°56           | 14°56          | 9°23          | 1° 8          | 13°35           | 14° 5          | 9°20          | 4°50          | 4°31          | 18°51          | 17° 9          | F 23 |
| S 24 | 18 5 27  | 1°41'31  | 16°37           | 23°26  | 5° 8           | 14°39          | 9°26          | 1°10          | 13°35           | 14° 7          | 9°22          | 4°39          | 4°28          | 18°58          | 17°10          | S 24 |
| S 25 | 18 9 24  | 2°38'46  | 09319           | 23° 3  | 6°19           | 14°22          | 9°29          | 1°12          | 13°35           | 14° 9          | 9°23          | 4°28          | 4°24          | 19° 4          | 17°12          | S 25 |
| M26  | 18 13 20 | 3°36'01  | 14°19           | 22°43  | 7°30           | 14° 5          | 9°33          | 1°14          | 13°35           | 14°10          | 9°25          | 4°16          | 4°21          | 19°11          | 17°13          | M26  |
| T 27 | 18 17 17 | 4°33'16  | 28°32           | 22°28  | 8°41           | 13°50          | 9°36          | 1°16          | 13°34           | 14°12          | 9°26          | 4° 5          | 4°18          | 19°18          | 17°14          | T 27 |
| W28  | 18 21 13 | 5°30'30  | 12 <b>N</b> 52  | 22°17  | 9°52           | 13°34          | 9°40          | 1°19          | 13°34           | 14°14          | 9°28          | 3°57          | 4°15          | 19°24          | 17°16          | W28  |
| T 29 | 18 25 10 | 6°27'43  | 27°15           | 22°10  | 11° 3          | 13°20          | 9°44          | 1°21          | 13°33           | 14°16          | 9°29          | 3°51          | 4°12          | 19°31          | 17°17          | T 29 |
| F 30 | 18 29 7  | 79524'56 | 11 <b>M</b> 35  | 22°D 8 | 12 <b>Ω</b> 14 | 13 <b>∡</b> 6  | 9 <b>≏</b> 48 | 1 <b>≏</b> 24 | 13 <b>∺</b> 33  | 14 <b>Ω</b> 18 | 9931          | 3 <b>≏</b> 48 | 4 <b>º</b> 8  | 19 <b>米</b> 38 | 17 <b>Υ</b> 18 | F 30 |

Delta T = 22.87 sec

JULY 1922 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ               | φ               | ð              | 4             | ħ             | )ұ(            | ¥               | Р      | 'n            | Ω             | Ç              | o<br>k         | Day  |
|------|----------|------------------|----------------|-----------------|-----------------|----------------|---------------|---------------|----------------|-----------------|--------|---------------|---------------|----------------|----------------|------|
| S 1  | 18 33 3  | 8922'09          | 25 <b>m</b> 49 | 22 <b>II</b> 10 | 13 <b>N</b> 25  | 12°R53         | 9 <b>ჲ</b> 52 | 1 <b>≏</b> 27 | 13°R32         | 14 <b>\O</b> 20 | 9932   | 3°R47         | 4 <b>º</b> 5  | 19 <b>)</b> 44 | 17 <b>Y</b> 19 | S 1  |
| S 2  | 18 37 0  | 9°19'21          | 9 <b>≙</b> 57  | 22°18           | 14°36           | 12 <b>×</b> 40 | 9°56          | 1°29          | 13 <b>)</b> 32 | 14°22           | 9°34   | 3 <b>≏</b> 47 | 4° 2          | 19°51          | 17°20          | S 2  |
| M 3  | 18 40 56 | 10°16'33         | 23°56          | 22°30           | 15°47           | 12°28          | 10° 1         | 1°32          | 13°31          | 14°23           | 9°35   | 3°46          | 3°59          | 19°57          | 17°21          | M 3  |
| T 4  | 18 44 53 | 11°13'45         | 7 <b>ML</b> 47 | 22°47           | 16°57           | 12°17          | 10° 5         | 1°35          | 13°30          | 14°25           | 9°37   | 3°44          | 3°56          | 20° 4          | 17°22          | T 4  |
| W 5  | 18 48 49 | 12°10'56         | 21°28          | 23° 9           | 18° 8           | 12° 7          | 10°10         | 1°38          | 13°30          | 14°27           | 9°38   | 3°40          | 3°53          | 20°11          | 17°23          | W 5  |
| T 6  | 18 52 46 | 13° 8'07         | 5 <b>√</b> 1   | 23°37           | 19°19           | 11°57          | 10°15         | 1°41          | 13°29          | 14°29           | 9°40   | 3°33          | 3°49          | 20°17          | 17°24          | T 6  |
| F 7  | 18 56 42 | 14° 5'18         | 18°22          | 24° 9           | 20°29           | 11°49          | 10°20         | 1°44          | 13°28          | 14°31           | 9°41   | 3°23          | 3°46          | 20°24          | 17°24          | F 7  |
| S 8  | 19 0 39  | 15° 2'29         | 1 <b>ਰ</b> 31  | 24°46           | 21°40           | 11°41          | 10°26         | 1°48          | 13°27          | 14°33           | 9°43   | 3°12          | 3°43          | 20°31          | 17°25          | S 8  |
| S 9  | 19 4 36  | 15°59'40         | 14°27          | 25°28           | 22°50           | 11°33          | 10°31         | 1°51          | 13°26          | 14°35           | 9°44   | 3° 0          | 3°40          | 20°37          | 17°26          | S 9  |
| M10  | 19 8 32  | 16°56'51         | 27° 9          | 26°15           | 24° 0           | 11°27          | 10°37         | 1°55          | 13°25          | 14°37           | 9°46   | 2°48          | 3°37          | 20°44          | 17°26          | M10  |
| T 11 | 19 12 29 | 17°54'03         | 9≈36           | 27° 7           | 25°10           | 11°22          | 10°42         | 1°58          | 13°24          | 14°39           | 9°47   | 2°37          | 3°34          | 20°51          | 17°27          | T 11 |
| W12  | 19 16 25 | 18°51'14         | 21°50          | 28° 4           | 26°20           | 11°17          | 10°48         | 2° 2          | 13°23          | 14°41           | 9°49   | 2°29          | 3°30          | 20°57          | 17°27          | W12  |
| T 13 | 19 20 22 | 19°48'26         | 3 <b>∺</b> 52  | 29° 5           | 27°30           | 11°13          | 10°54         | 2° 5          | 13°22          | 14°43           | 9°50   | 2°23          | 3°27          | 21° 4          | 17°28          | T 13 |
| F 14 | 19 24 18 | 20°45'39         | 15°45          | 09୍ତୀ 1         | 28°40           | 11°10          | 11° 0         | 2° 9          | 13°21          | 14°45           | 9°52   | 2°19          | 3°24          | 21°11          | 17°28          | F 14 |
| S 15 | 19 28 15 | 21°42'52         | 27°33          | 1°22            | 29°50           | 11° 8          | 11° 6         | 2°13          | 13°20          | 14°47           | 9°53   | 2°D18         | 3°21          | 21°17          | 17°29          | S 15 |
| S 16 | 19 32 11 | 22°40'05         | 9 <b>Υ</b> 21  | 2°37            | 1 <b>m</b> y 0  | 11° 7          | 11°13         | 2°17          | 13°19          | 14°49           | 9°55   | 2°18          | 3°18          | 21°24          | 17°29          | S 16 |
| M17  | 19 36 8  | 23°37'20         | 21°15          | 3°56            | 2°10            | 11°D 6         | 11°19         | 2°21          | 13°17          | 14°52           | 9°56   | 2°R19         | 3°14          | 21°31          | 17°29          | M17  |
| T 18 | 19 40 5  | 24°34'34         | 3 <b>8</b> 18  | 5°20            | 3°19            | 11° 6          | 11°26         | 2°25          | 13°16          | 14°54           | 9°58   | 2°18          | 3°11          | 21°37          | 17°30          | T 18 |
| W19  | 19 44 1  | 25°31'50         | 15°38          | 6°48            | 4°29            | 11° 8          | 11°33         | 2°29          | 13°15          | 14°56           | 9°59   | 2°16          | 3° 8          | 21°44          | 17°30          | W19  |
| T 20 | 19 47 58 | 26°29'06         | 28°18          | 8°20            | 5°38            | 11°10          | 11°40         | 2°34          | 13°13          | 14°58           | 10° 1  | 2°12          | 3° 5          | 21°51          | 17°30          | T 20 |
| F 21 | 19 51 54 | 27°26'24         | 11 <b>Ⅱ</b> 22 | 9°57            | 6°48            | 11°12          | 11°47         | 2°38          | 13°12          | 15° 0           | 10° 2  | 2° 6          | 3° 2          | 21°57          | 17°30          | F 21 |
| S 22 | 19 55 51 | 28°23'42         | 24°52          | 11°37           | 7°57            | 11°16          | 11°54         | 2°42          | 13°10          | 15° 2           | 10° 3  | 1°58          | 2°59          | 22° 4          | 17°R30         | S 22 |
| S 23 | 19 59 47 | 29°21'00         | 8 <b>9</b> 47  | 13°20           | 9° 6            | 11°21          | 12° 1         | 2°47          | 13° 9          | 15° 4           | 10° 5  | 1°48          | 2°55          | 22°10          | 17°30          | S 23 |
| M24  | 20 3 44  | $0\Omega 18'20$  | 23° 5          | 15° 7           | 10°15           | 11°26          | 12° 9         | 2°52          | 13° 7          | 15° 6           | 10° 6  | 1°39          | 2°52          | 22°17          | 17°30          | M24  |
| T 25 | 20 7 40  | 1°15'40          | 7 <b>Ω</b> 39  | 16°58           | 11°24           | 11°32          | 12°17         | 2°56          | 13° 6          | 15° 9           | 10° 8  | 1°30          | 2°49          | 22°24          | 17°30          | T 25 |
| W26  | 20 11 37 | 2°13'00          | 22°24          | 18°51           | 12°33           | 11°39          | 12°24         | 3° 1          | 13° 4          | 15°11           | 10° 9  | 1°23          | 2°46          | 22°30          | 17°29          | W26  |
| T 27 | 20 15 34 | 3°10'21          | 7 <b>m</b> 10  | 20°47           | 13°42           | 11°47          | 12°32         | 3° 6          | 13° 3          | 15°13           | 10°11  | 1°18          | 2°43          | 22°37          | 17°29          | T 27 |
| F 28 | 20 19 30 | 4° 7'43          | 21°51          | 22°45           | 14°51           | 11°55          | 12°40         | 3°11          | 13° 1          | 15°15           | 10°12  | 1°16          | 2°39          | 22°44          | 17°29          | F 28 |
| S 29 | 20 23 27 | 5° 5'05          | 6 <b>₾</b> 22  | 24°45           | 15°59           | 12° 4          | 12°48         | 3°16          | 12°59          | 15°17           | 10°13  | 1°D16         | 2°36          | 22°50          | 17°28          | S 29 |
| S 30 | 20 27 23 | 6° 2'28          | 20°38          | 26°47           | 17° 8           | 12°14          | 12°56         | 3°21          | 12°57          | 15°20           | 10°15  | 1°17          | 2°33          | 22°57          | 17°28          | S 30 |
| M31  | 20 31 20 | 6 <b>Ω</b> 59'51 | 4 <b>M</b> .39 | 28951           | 18 <b>M</b> /16 | 12 <b>×</b> 25 | 13 <b>♀</b> 5 | 3 <b>≏</b> 26 | 12 <b>∺</b> 56 | 15 <b>Ω</b> 22  | 109516 | 1°R17         | 2 <b>₾</b> 30 | 23 <b>米</b> 4  | 17 <b>Y</b> 28 | M31  |

Delta T = 22.91 sec

AUGUST 1922 00:00 UT

| Day  | Sid.t    | 0                 | D              | Ψ             | φ              | ♂              | 4              | ħ             | ኊ              | ¥              | Р      | r              | <b>ී</b>      | Ç              | , k            | Day  |
|------|----------|-------------------|----------------|---------------|----------------|----------------|----------------|---------------|----------------|----------------|--------|----------------|---------------|----------------|----------------|------|
| T 1  | 20 35 16 | 7 <b>Ω</b> 57'15  | 18 <b>M</b> 25 | 0 <b>Ω</b> 55 | 19 <b>m</b> 25 | 12 <b>×</b> 37 | 13 <b>₽</b> 13 | 3 <b>≏</b> 31 | 12°R54         | 15 <b>Ω</b> 24 | 109518 | 1°R17          | 2 <b>≏</b> 27 | 23 <b>米</b> 10 | 17°R27         | T 1  |
| W 2  | 20 39 13 | 8°54'39           | 1 <b>才</b> 54  | 3° 0          | 20°33          | 12°49          | 13°22          | 3°36          | 12 <b>)</b> 52 | 15°26          | 10°19  | 1 <b>≏</b> 15  | 2°24          | 23°17          | 17 <b>Y</b> 26 | W 2  |
| T 3  | 20 43 9  | 9°52'04           | 15°10          | 5° 5          | 21°41          | 13° 2          | 13°30          | 3°41          | 12°50          | 15°28          | 10°20  | 1°10           | 2°20          | 23°24          | 17°26          | T 3  |
| F 4  | 20 47 6  | 10°49'30          | 2 <u>8</u> °11 | 7°10          | 22°49          | 13°15          | 13°39          | 3°47          | 12°48          | 15°31          | 10°22  | 1° 4           | 2°17          | 23°30          | 17°25          | F 4  |
| S 5  | 20 51 3  | 11°46'56          | 11중 0          | 9°15          | 23°57          | 13°30          | 13°48          | 3°52          | 12°46          | 15°33          | 10°23  | 0°56           | 2°14          | 23°37          | 17°24          | S 5  |
| S 6  | 20 54 59 | 12°44'24          | 23°37          | 11°20         | 25° 4          | 13°45          | 13°57          | 3°58          | 12°44          | 15°35          | 10°24  | 0°47           | 2°11          | 23°44          | 17°24          | S 6  |
| M 7  | 20 58 56 | 13°41'52          | 6≈ 1           | 13°24         | 26°12          | 14° 0          | 14° 6          | 4° 3          | 12°42          | 15°37          | 10°26  | 0°39           | 2° 8          | 23°50          | 17°23          | M 7  |
| T 8  | 21 2 52  | 14°39'21          | 18°15          | 15°27         | 27°19          | 14°17          | 14°15          | 4° 9          | 12°40          | 15°40          | 10°27  | 0°32           | 2° 5          | 23°57          | 17°22          | T 8  |
| W 9  | 21 6 49  | 15°36'51          | 0 <b>∺</b> 19  | 17°30         | 28°26          | 14°34          | 14°24          | 4°14          | 12°38          | 15°42          | 10°28  | 0°26           | 2° 1          | 24° 3          | 17°21          | W 9  |
| T 10 | 21 10 45 | 16°34'23          | 12°14          | 19°31         | 29°33          | 14°51          | 14°34          | 4°20          | 12°36          | 15°44          | 10°29  | 0°22           | 1°58          | 24°10          | 17°20          | T 10 |
| F 11 | 21 14 42 | 17°31'55          | 24° 4          | 21°31         | 0 <b>ჲ</b> 40  | 15° 9          | 14°43          | 4°26          | 12°34          | 15°46          | 10°31  | 0°20           | 1°55          | 24°17          | 17°19          | F 11 |
| S 12 | 21 18 38 | 18°29'29          | 5 <b>Ƴ</b> 51  | 23°29         | 1°47           | 15°28          | 14°53          | 4°32          | 12°32          | 15°48          | 10°32  | 0°D20          | 1°52          | 24°23          | 17°18          | S 12 |
| S 13 | 21 22 35 | 19°27'05          | 17°38          | 25°27         | 2°54           | 15°47          | 15° 2          | 4°37          | 12°30          | 15°51          | 10°33  | 0°21           | 1°49          | 24°30          | 17°17          | S 13 |
| M14  | 21 26 32 | 20°24'41          | 29°32          | 27°23         | 4° 1           | 16° 7          | 15°12          | 4°43          | 12°28          | 15°53          | 10°34  | 0°23           | 1°45          | 24°37          | 17°16          | M14  |
| T 15 | 21 30 28 | 21°22'20          | 11835          | 29°17         | 5° 7           | 16°27          | 15°22          | 4°49          | 12°26          | 15°55          | 10°35  | 0°24           | 1°42          | 24°43          | 17°14          | T 15 |
| W16  | 21 34 25 | 22°19'59          | 23°53          | 1 Mp 11       | 6°13           | 16°48          | 15°32          | 4°55          | 12°24          | 15°57          | 10°37  | 0°R25          | 1°39          | 24°50          | 17°13          | W16  |
| T 17 | 21 38 21 | 23°17'41          | 6 <b>Ⅱ</b> 31  | 3° 2          | 7°19           | 17°10          | 15°42          | 5° 2          | 12°21          | 15°59          | 10°38  | 0°24           | 1°36          | 24°57          | 17°12          | T 17 |
| F 18 | 21 42 18 | 24°15'24          | 19°33          | 4°53          | 8°25           | 17°32          | 15°52          | 5° 8          | 12°19          | 16° 2          | 10°39  | 0°21           | 1°33          | 25° 3          | 17°11          | F 18 |
| S 19 | 21 46 14 | 25°13'08          | 395 2          | 6°42          | 9°31           | 17°55          | 16° 2          | 5°14          | 12°17          | 16° 4          | 10°40  | 0°18           | 1°30          | 25°10          | 17° 9          | S 19 |
| S 20 | 21 50 11 | 26°10'55          | 16°59          | 8°29          | 10°37          | 18°18          | 16°13          | 5°20          | 12°15          | 16° 6          | 10°41  | 0°13           | 1°26          | 25°17          | 17° 8          | S 20 |
| M21  | 21 54 7  | 27° 8'42          | 1 <b>Ω</b> 22  | 10°16         | 11°42          | 18°41          | 16°23          | 5°26          | 12°12          | 16° 8          | 10°42  | 0° 8           | 1°23          | 25°23          | 17° 6          | M21  |
| T 22 | 21 58 4  | 28° 6'32          | 16° 7          | 12° 0         | 12°47          | 19° 5          | 16°33          | 5°33          | 12°10          | 16°10          | 10°43  | 0° 3           | 1°20          | 25°30          | 17° 5          | T 22 |
| W23  | 22 2 1   | 29° 4'23          | 1 Mp 6         | 13°44         | 13°52          | 19°30          | 16°44          | 5°39          | 12° 8          | 16°13          | 10°45  | 29 <b>m</b> 59 | 1°17          | 25°36          | 17° 3          | W23  |
| T 24 | 22 5 57  | 0 mg 2'15         | 16°10          | 15°26         | 14°57          | 19°55          | 16°55          | 5°46          | 12° 5          | 16°15          | 10°46  | 29°58          | 1°14          | 25°43          | 17° 1          | T 24 |
| F 25 | 22 9 54  | 1° 0'08           | 1 <b>≙</b> 12  | 17° 6         | 16° 2          | 20°21          | 17° 5          | 5°52          | 12° 3          | 16°17          | 10°47  | 29°D57         | 1°11          | 25°50          | 17° 0          | F 25 |
| S 26 | 22 13 50 | 1°58'03           | 16° 2          | 18°46         | 17° 6          | 20°47          | 17°16          | 5°59          | 12° 1          | 16°19          | 10°48  | 29°58          | 1° 7          | 25°56          | 16°58          | S 26 |
| S 27 | 22 17 47 | 2°55'59           | 0 <b>M</b> .35 | 20°24         | 18°11          | 21°13          | 17°27          | 6° 5          | 11°58          | 16°21          | 10°49  | 29°59          | 1° 4          | 26° 3          | 16°56          | S 27 |
| M28  | 22 21 43 | 3°53'57           | 14°47          | 22° 0         | 19°15          | 21°40          | 17°38          | 6°12          | 11°56          | 16°23          | 10°50  | 0 <b>요</b> 1   | 1° 1          | 26°10          | 16°55          | M28  |
| T 29 | 22 25 40 | 4°51'56           | 28°37          | 23°36         | 20°18          | 22° 7          | 17°49          | 6°18          | 11°54          | 16°26          | 10°51  | 0°R 2          | 0°58          | 26°16          | 16°53          | T 29 |
| W30  | 22 29 36 | 5°49'56           | 12 🗷 5         | 25°10         | 21°22          | 22°35          | 18° 0          | 6°25          | 11°51          | 16°28          | 10°52  | 0° 2           | 0°55          | 26°23          | 16°51          | W30  |
| T 31 | 22 33 33 | 6 <b>10</b> 47'57 | 25 <b>х</b> 13 | 26 Mp 42      | 22 <b>≙</b> 25 | 23 <b>×</b> 3  | 18 <b>≏</b> 11 | 6 <b>₽</b> 32 | 11 <b>米</b> 49 | 16 <b>Ω</b> 30 | 10953  | 0 <b>亚</b> 0   | 0 <b>ჲ</b> 51 | 26 <b>米</b> 30 | 16 <b>Ƴ</b> 49 | T 31 |

Delta T = 22.94 sec

SEPTEMBER 1922 00:00 UT

| Day  | Sid.t    | 0                | D              | Ϋ́               | P              | ð              | 4              | ħ             | )∤(              | <del>4</del>   | Р      | ₽.       | v              | ţ                | ę o            | Day  |
|------|----------|------------------|----------------|------------------|----------------|----------------|----------------|---------------|------------------|----------------|--------|----------|----------------|------------------|----------------|------|
| F 1  | 22 37 29 | 7 <b>m</b> 46'00 | 8 <b>ට</b> 3   | 28 <b>m</b> ) 14 | 23 <b>£</b> 28 | 23 <b>×</b> 32 | 18 <b>≏</b> 23 | 6 <b>₾</b> 39 | 11°R46           | 16 <b>Ω</b> 32 | 10953  | 29°R58   | 0 <b>ჲ</b> 48  | 26 <b>∺</b> 36   | 16°R47         | F 1  |
| S 2  | 22 41 26 | 8°44'05          | 20°37          | 29°44            | 24°31          | 24° 1          | 18°34          | 6°45          | 11 <b>) (</b> 44 | 16°34          | 10°54  | 29 M 56  | 0°45           | 26°43            | 16 <b>Ƴ</b> 45 | S 2  |
| S 3  | 22 45 23 | 9°42'10          | 2≈58           | 1 <b>≙</b> 13    | 25°34          | 24°30          | 18°45          | 6°52          | 11°42            | 16°36          | 10°55  | 29°52    | 0°42           | 26°50            | 16°43          | S 3  |
| M 4  | 22 49 19 | 10°40'17         | 15° 8          | 2°40             | 26°36          | 25° 0          | 18°57          | 6°59          | 11°39            | 16°38          | 10°56  | 29°49    | 0°39           | 26°56            | 16°41          | M 4  |
| T 5  | 22 53 16 | 11°38'26         | 27°10          | 4° 6             | 27°38          | 25°30          | 19° 8          | 7° 6          | 11°37            | 16°40          | 10°57  | 29°47    | 0°36           | 27° 3            | 16°39          | T 5  |
| W 6  | 22 57 12 | 12°36'37         | 9 <b>米</b> 5   | 5°31             | 28°40          | 26° 0          | 19°20          | 7°13          | 11°34            | 16°42          | 10°58  | 29°45    | 0°32           | 27°10            | 16°37          | W 6  |
| T 7  | 23 1 9   | 13°34'49         | 20°55          | 6°55             | 29°41          | 26°31          | 19°31          | 7°20          | 11°32            | 16°44          | 10°59  | 29°44    | 0°29           | 27°16            | 16°35          | T 7  |
| F 8  | 23 5 5   | 14°33'03         | 2 <b>Υ</b> 43  | 8°17             | 0 <b>M</b> .43 | 27° 2          | 19°43          | 7°27          | 11°30            | 16°46          | 10°59  | 29°D43   | 0°26           | 27°23            | 16°32          | F 8  |
| S 9  | 23 9 2   | 15°31'18         | 14°30          | 9°37             | 1°44           | 27°33          | 19°55          | 7°34          | 11°27            | 16°48          | 11° 0  | 29°44    | 0°23           | 27°29            | 16°30          | S 9  |
| S 10 | 23 12 58 | 16°29'36         | 26°20          | 10°57            | 2°44           | 28° 5          | 20° 6          | 7°41          | 11°25            | 16°50          | 11° 1  | 29°45    | 0°20           | 27°36            | 16°28          | S 10 |
| M11  | 23 16 55 | 17°27'56         | 8 <b>8</b> 16  | 12°14            | 3°44           | 28°37          | 20°18          | 7°48          | 11°22            | 16°52          | 11° 2  | 29°46    | 0°16           | 27°43            | 16°26          | M11  |
| T 12 | 23 20 52 | 18°26'18         | 20°21          | 13°30            | 4°44           | 29° 9          | 20°30          | 7°55          | 11°20            | 16°54          | 11° 2  | 29°47    | 0°13           | 27°49            | 16°23          | T 12 |
| W13  | 23 24 48 | 19°24'42         | 2 <b>Ⅱ</b> 40  | 14°45            | 5°44           | 2 <u>9</u> °42 | 20°42          | 8° 2          | 11°18            | 16°56          | 11° 3  | 29°48    | 0°10           | 27°56            | 16°21          | W13  |
| T 14 | 23 28 45 | 20°23'08         | 15°16          | 15°58            | 6°43           | 0 <b>궁</b> 15  | 20°54          | 8° 9          | 11°15            | 16°58          | 11° 4  | 29°R49   | 0° 7           | 28° 3            | 16°19          | T 14 |
| F 15 | 23 32 41 | 21°21'36         | 28°14          | 17° 9            | 7°42           | 0°48           | 21° 6          | 8°16          | 11°13            | 17° 0          | 11° 4  | 29°48    | 0° 4           | 28° 9            | 16°16          | F 15 |
| S 16 | 23 36 38 | 22°20'06         | 11936          | 18°18            | 8°40           | 1°22           | 21°18          | 8°24          | 11°11            | 17° 2          | 11° 5  | 29°48    | 0° 1           | 28°16            | 16°14          | S 16 |
| S 17 | 23 40 34 | 23°18'39         | 25°25          | 19°25            | 9°38           | 1°56           | 21°31          | 8°31          | 11° 8            | 17° 4          | 11° 6  | 29°47    | 29 <b>m</b> 57 | 28°23            | 16°11          | S 17 |
| M18  | 23 44 31 | 24°17'14         | 9 <b>Ω</b> 40  | 20°30            | 10°36          | 2°30           | 21°43          | 8°38          | 11° 6            | 17° 6          | 11° 6  | 29°47    | 29°54          | 28°29            | 16° 9          | M18  |
| T 19 | 23 48 27 | 25°15'50         | 24°20          | 21°33            | 11°33          | 3° 4           | 21°55          | 8°45          | 11° 4            | 17° 8          | 11° 7  | 29°46    | 29°51          | 28°36            | 16° 6          | T 19 |
| W20  | 23 52 24 | 26°14'29         | 9 <b>m</b> 18  | 22°33            | 12°30          | 3°39           | 22° 7          | 8°53          | 11° 1            | 17° 9          | 11° 7  | 29°46    | 29°48          | 28°43            | 16° 4          | W20  |
| T 21 | 23 56 21 | 27°13'10         | 24°28          | 23°31            | 13°26          | 4°14           | 22°20          | 9° 0          | 10°59            | 17°11          | 11° 8  | 29°D46   | 29°45          | 28°49            | 16° 1          | T 21 |
| F 22 | 0 0 17   | 28°11'53         | 9 <b>Ω</b> 40  | 24°26            | 14°22          | 4°49           | 22°32          | 9° 7          | 10°57            | 17°13          | 11° 8  | 29°46    | 29°42          | 28°56            | 15°59          | F 22 |
| S 23 | 0 4 14   | 29°10'38         | 24°45          | 25°18            | 15°17          | 5°24           | 22°44          | 9°14          | 10°55            | 17°15          | 11° 9  | 29°46    | 29°38          | 29° 2            | 15°56          | S 23 |
| S 24 | 0 8 10   | 0 <b>요</b> 9'25  | 9 <b>M</b> .34 | 26° 7            | 16°12          | 6° 0           | 22°57          | 9°22          | 10°52            | 17°17          | 11° 9  | 29°R46   | 29°35          | 29° 9            | 15°53          | S 24 |
| M25  | 0 12 7   | 1° 8'13          | 24° 0          | 26°53            | 17° 6          | 6°36           | 23° 9          | 9°29          | 10°50            | 17°18          | 11°10  | 29°46    | 29°32          | 29°16            | 15°51          | M25  |
| T 26 | 0 16 3   | 2° 7'03          | 8 🗷 1          | 27°34            | 18° 0          | 7°12           | 23°22          | 9°36          | 10°48            | 17°20          | 11°10  | 29°46    | 29°29          | 29°22            | 15°48          | T 26 |
| W27  | 0 20 0   | 3° 5'55          | 21°36          | 28°12            | 18°53          | 7°48           | 23°35          | 9°44          | 10°46            | 17°22          | 11°10  | 29°45    | 29°26          | 29°29            | 15°46          | W27  |
| T 28 | 0 23 56  | 4° 4'49          | 4 <b>3</b> 45  | 28°45            | 19°46          | 8°25           | 23°47          | 9°51          | 10°44            | 17°23          | 11°11  | 29°D45   | 29°22          | 29°36            | 15°43          | T 28 |
| F 29 | 0 27 53  | 5° 3'45          | 17°31          | 29°14            | 20°38          | 9° 2           | 24° 0          | 9°58          | 10°42            | 17°25          | 11°11  | 29°46    | 29°19          | 29°42            | 15°40          | F 29 |
| S 30 | 0 31 49  | 6 <b>♀</b> 2'42  | 29 <b>る</b> 59 | 29 <b>≏</b> 37   | 21M29          | 9 <b>궁</b> 39  | 24 <b>₽</b> 13 | 10 <b>♀</b> 6 | 10 <b>∺</b> 39   | 17 <b>Ω</b> 27 | 119911 | 29 Mp 46 | 29 Mp 16       | 29 <b>) (</b> 49 | 15 <b>Y</b> 38 | S 30 |

Delta T = 22.98 sec

OCTOBER 1922 00:00 UT

| Day  | Sid.t   | $\odot$          | D                | ğ              | φ              | ♂              | 4              | ħ              | )f(            | ¥              | Р      | r              | Ω              | Ç              | Š              | Day  |
|------|---------|------------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----------------|----------------|----------------|------|
| S 1  | 0 35 46 | 7 <b>♀</b> 1'41  | 12≈11            | 29 <b>♀</b> 55 | 22 <b>M</b> 20 | 10 <b>궁</b> 16 | 24 <b>Ω</b> 25 | 10 <b>≏</b> 13 | 10°R37         | 17 <b>Ω</b> 28 | 119512 | 29 <b>m</b> 47 | 29 <b>m</b> 13 | 29 <b>)</b> 56 | 15°R35         | S 1  |
| M 2  | 0 39 43 | 8° 0'41          | 24°12            | 0 <b>™</b> 6   | 23°10          | 10°53          | 24°38          | 10°21          | 10 <b>∺</b> 35 | 17°30          | 11°12  | 29°47          | 29°10          | 0 <b>Υ</b> 2   | 15 <b>Y</b> 32 | M 2  |
| T 3  | 0 43 39 | 8°59'44          | 6 <b>∀</b> 6     | 0°R12          | 23°59          | 11°31          | 24°51          | 10°28          | 10°33          | 17°31          | 11°12  | 29°48          | 29° 7          | 0° 9           | 15°29          | T 3  |
| W 4  | 0 47 36 | 9°58'48          | 17°55            | 0°10           | 24°47          | 12° 9          | 25° 4          | 10°35          | 10°31          | 17°33          | 11°12  | 29°49          | 29° 3          | 0°16           | 15°27          | W 4  |
| T 5  | 0 51 32 | 10°57'55         | 29°42            | 0° 1           | 25°35          | 12°47          | 25°16          | 10°43          | 10°29          | 17°34          | 11°12  | 29°R49         | 29° 0          | 0°22           | 15°24          | T 5  |
| F 6  | 0 55 29 | 11°57'03         | 11 <b>Y</b> 31   | 29 <b>≏</b> 44 | 26°22          | 13°25          | 25°29          | 10°50          | 10°27          | 17°36          | 11°13  | 29°49          | 28°57          | 0°29           | 15°21          | F 6  |
| S 7  | 0 59 25 | 12°56'13         | 23°23            | 29°20          | 27° 8          | 14° 3          | 25°42          | 10°57          | 10°25          | 17°37          | 11°13  | 29°48          | 28°54          | 0°35           | 15°19          | S 7  |
| S 8  | 1 3 22  | 13°55'26         | 5 <b>8</b> 19    | 28°47          | 27°53          | 14°42          | 25°55          | 11° 5          | 10°24          | 17°39          | 11°13  | 29°46          | 28°51          | 0°42           | 15°16          | S 8  |
| M 9  | 1 7 18  | 14°54'40         | 17°24            | 28° 7          | 28°37          | 15°21          | 26° 8          | 11°12          | 10°22          | 17°40          | 11°13  | 29°44          | 28°48          | 0°49           | 15°13          | M 9  |
| T 10 | 1 11 15 | 15°53'57         | 29°37            | 27°18          | 29°20          | 15°59          | 26°21          | 11°20          | 10°20          | 17°41          | 11°13  | 29°42          | 28°44          | 0°55           | 15°10          | T 10 |
| W11  | 1 15 12 | 16°53'16         | 12 <b>II</b> 3   | 26°23          | 0 <b>≯</b> 3   | 16°38          | 26°34          | 11°27          | 10°18          | 17°43          | 11°13  | 29°39          | 28°41          | 1° 2           | 15° 8          | W11  |
| T 12 | 1 19 8  | 17°52'38         | 24°43            | 25°21          | 0°44           | 17°18          | 26°47          | 11°34          | 10°16          | 17°44          | 11°13  | 29°37          | 28°38          | 1° 9           | 15° 5          | T 12 |
| F 13 | 1 23 5  | 18°52'02         | 7 <b>9</b> 540   | 24°14          | 1°24           | 17°57          | 27° 0          | 11°42          | 10°15          | 17°45          | 11°R13 | 29°36          | 28°35          | 1°15           | 15° 2          | F 13 |
| S 14 | 1 27 1  | 19°51'28         | 20°56            | 23° 3          | 2° 3           | 18°37          | 27°13          | 11°49          | 10°13          | 17°47          | 11°13  | 29°D36         | 28°32          | 1°22           | 14°59          | S 14 |
| S 15 | 1 30 58 | 20°50'56         | 4 <b>Ω</b> 35    | 21°50          | 2°41           | 19°16          | 27°26          | 11°56          | 10°11          | 17°48          | 11°13  | 29°36          | 28°28          | 1°29           | 14°57          | S 15 |
| M16  | 1 34 54 | 21°50'27         | 18°36            | 20°37          | 3°17           | 19°56          | 27°39          | 12° 4          | 10°10          | 17°49          | 11°13  | 29°37          | 28°25          | 1°35           | 14°54          | M16  |
| T 17 | 1 38 51 | 22°50'00         | 2 <b>m</b> 59    | 19°26          | 3°53           | 20°36          | 27°52          | 12°11          | 10° 8          | 17°50          | 11°13  | 29°39          | 28°22          | 1°42           | 14°51          | T 17 |
| W18  | 1 42 47 | 23°49'35         | 17°43            | 18°20          | 4°27           | 21°16          | 28° 5          | 12°18          | 10° 7          | 17°51          | 11°13  | 29°40          | 28°19          | 1°49           | 14°49          | W18  |
| T 19 | 1 46 44 | 24°49'12         | 2 <b>≏</b> 41    | 17°20          | 5° 0           | 21°56          | 28°18          | 12°26          | 10° 5          | 17°52          | 11°13  | 29°R40         | 28°16          | 1°55           | 14°46          | T 19 |
| F 20 | 1 50 41 | 25°48'52         | 17°47            | 16°27          | 5°31           | 22°37          | 28°31          | 12°33          | 10° 4          | 17°54          | 11°12  | 29°39          | 28°13          | 2° 2           | 14°43          | F 20 |
| S 21 | 1 54 37 | 26°48'34         | 2 <b>M</b> .52   | 15°45          | 6° 1           | 23°17          | 28°44          | 12°40          | 10° 2          | 17°55          | 11°12  | 29°37          | 28° 9          | 2° 8           | 14°41          | S 21 |
| S 22 | 1 58 34 | 27°48'17         | 17°46            | 15°12          | 6°29           | 23°58          | 28°57          | 12°47          | 10° 1          | 17°56          | 11°12  | 29°34          | 28° 6          | 2°15           | 14°38          | S 22 |
| M23  | 2 2 30  | 28°48'03         | 2 <b>~</b> 21    | 14°51          | 6°56           | 24°38          | 29°10          | 12°54          | 9°59           | 17°57          | 11°12  | 29°29          | 28° 3          | 2°22           | 14°35          | M23  |
| T 24 | 2 6 27  | 29°47'50         | 16°32            | 14°D41         | 7°21           | 25°19          | 29°23          | 13° 2          | 9°58           | 17°58          | 11°12  | 29°25          | 28° 0          | 2°28           | 14°33          | T 24 |
| W25  | 2 10 23 | 0 <b>M</b> 47'39 | 0 <b>궁</b> 15    | 14°42          | 7°45           | 26° 0          | 29°36          | 13° 9          | 9°57           | 17°58          | 11°11  | 29°21          | 27°57          | 2°35           | 14°30          | W25  |
| T 26 | 2 14 20 | 1°47'30          | 13°30            | 14°54          | 8° 6           | 26°42          | 29°50          | 13°16          | 9°56           | 17°59          | 11°11  | 29°18          | 27°53          | 2°42           | 14°27          | T 26 |
| F 27 | 2 18 16 | 2°47'23          | 26°20            | 15°17          | 8°26           | 27°23          | OM 3           | 13°23          | 9°55           | 18° 0          | 11°11  | 29°16          | 27°50          | 2°48           | 14°25          | F 27 |
| S 28 | 2 22 13 | 3°47'17          | 8≈48             | 15°49          | 8°44           | 28° 4          | 0°16           | 13°30          | 9°53           | 18° 1          | 11°10  | 29°D16         | 27°47          | 2°55           | 14°22          | S 28 |
| S 29 | 2 26 10 | 4°47'13          | 20°58            | 16°30          | 9° 0           | 28°46          | 0°29           | 13°37          | 9°52           | 18° 2          | 11°10  | 29°17          | 27°44          | 3° 2           | 14°20          | S 29 |
| M30  | 2 30 6  | 5°47'10          | 2 <b>)</b> 55    | 17°20          | 9°14           | 29°27          | 0°42           | 13°44          | 9°51           | 18° 3          | 11°10  | 29°19          | 27°41          | 3° 8           | 14°17          | M30  |
| T 31 | 2 34 3  | 6 <b>M</b> 47'09 | 14 <b>) (</b> 45 | 18 <b>≏</b> 16 | 9 <b>₹</b> 25  | 0≈ 9           | 0 <b>M</b> .55 | 13 <b>≏</b> 51 | 9 <b>米</b> 50  | 18 <b>N</b> 3  | 1199 9 | 29 <b>m</b> 21 | 27 <b>m</b> 38 | 3 <b>Υ</b> 15  | 14 <b>Y</b> 15 | T 31 |

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| Day  | Sid.t   | 0                | D              | Ϋ́             | φ              | ď     | 4             | ħ              | )∤(             | ¥              | В      | n              | v              | ţ             | Q<br>K         | Day  |
|------|---------|------------------|----------------|----------------|----------------|-------|---------------|----------------|-----------------|----------------|--------|----------------|----------------|---------------|----------------|------|
| W 1  | 2 37 59 | 7 <b>M</b> 47'10 | 26 <b>)</b> 32 | 19 <b>₽</b> 19 | 9 <b>∡</b> ³35 | 0≈51  | 1 <b>M</b> 8  | 13 <b>≏</b> 58 | 9°R49           | 18 <b>Ω</b> 4  | 11°R 9 | 29°R22         | 27 <b>m</b> 34 | 3 <b>Υ</b> 22 | 14°R12         | W 1  |
| T 2  | 2 41 56 | 8°47'12          | 8 <b>Y</b> 20  | 20°27          | 9°42           | 1°32  | 1°21          | 14° 5          | 9 <b>) (</b> 48 | 18° 5          | 1195 8 | 29 <b>m</b> 21 | 27°31          | 3°28          | 14 <b>Y</b> 10 | T 2  |
| F 3  | 2 45 52 | 9°47'16          | 20°12          | 21°40          | 9°47           | 2°14  | 1°34          | 14°12          | 9°48            | 18° 5          | 11°8   | 29°19          | 27°28          | 3°35          | 14° 7          | F 3  |
| S 4  | 2 49 49 | 10°47'22         | 2811           | 22°57          | 9°50           | 2°56  | 1°47          | 14°19          | 9°47            | 18° 6          | 11° 7  | 29°15          | 27°25          | 3°41          | 14° 5          | S 4  |
| S 5  | 2 53 45 | 11°47'30         | 14°18          | 24°18          | 9°R50          | 3°39  | 2° 0          | 14°26          | 9°46            | 18° 7          | 11° 7  | 29° 9          | 27°22          | 3°48          | 14° 3          | S 5  |
| M 6  | 2 57 42 | 12°47'39         | 26°36          | 25°41          | 9°48           | 4°21  | 2°13          | 14°33          | 9°45            | 18° 7          | 11° 6  | 29° 1          | 27°19          | 3°55          | 14° 0          | M 6  |
| T 7  | 3 1 38  | 13°47'51         | 9 <b>Ⅱ</b> 5   | 27° 8          | 9°44           | 5° 3  | 2°26          | 14°40          | 9°45            | 18° 8          | 11° 6  | 28°53          | 27°15          | 4° 1          | 13°58          | T 7  |
| W 8  | 3 5 3 5 | 14°48'04         | 21°46          | 28°36          | 9°37           | 5°45  | 2°39          | 14°46          | 9°44            | 18° 8          | 11° 5  | 28°44          | 27°12          | 4° 8          | 13°56          | W 8  |
| T 9  | 3 9 32  | 15°48'19         | 4939           | OM 6           | 9°27           | 6°28  | 2°52          | 14°53          | 9°43            | 18° 8          | 11° 4  | 28°37          | 27° 9          | 4°15          | 13°54          | T 9  |
| F 10 | 3 13 28 | 16°48'37         | 17°45          | 1°37           | 9°15           | 7°10  | 3° 5          | 15° 0          | 9°43            | 18° 9          | 11° 4  | 28°31          | 27° 6          | 4°21          | 13°51          | F 10 |
| S 11 | 3 17 25 | 17°48'56         | 1 <b>Ω</b> 4   | 3° 9           | 9° 1           | 7°53  | 3°18          | 15° 6          | 9°42            | 18° 9          | 11° 3  | 28°28          | 27° 3          | 4°28          | 13°49          | S 11 |
| S 12 | 3 21 21 | 18°49'17         | 14°39          | 4°42           | 8°45           | 8°36  | 3°31          | 15°13          | 9°42            | 18°10          | 11° 2  | 28°D26         | 26°59          | 4°35          | 13°47          | S 12 |
| M13  | 3 25 18 | 19°49'40         | 28°29          | 6°16           | 8°26           | 9°18  | 3°43          | 15°19          | 9°42            | 18°10          | 11° 2  | 28°26          | 26°56          | 4°41          | 13°45          | M13  |
| T 14 | 3 29 14 | 20°50'05         | 12 <b>m</b> 36 | 7°51           | 8° 5           | 10° 1 | 3°56          | 15°26          | 9°41            | 18°10          | 11° 1  | 28°27          | 26°53          | 4°48          | 13°43          | T 14 |
| W15  | 3 33 11 | 21°50'32         | 26°58          | 9°26           | 7°41           | 10°44 | 4° 9          | 15°32          | 9°41            | 18°10          | 11° 0  | 28°R28         | 26°50          | 4°55          | 13°41          | W15  |
| T 16 | 3 37 7  | 22°51'01         | 11 <b>≏</b> 34 | 11° 1          | 7°16           | 11°27 | 4°22          | 15°39          | 9°41            | 18°11          | 11° 0  | 28°27          | 26°47          | 5° 1          | 13°39          | T 16 |
| F 17 | 3 41 4  | 23°51'32         | 26°19          | 12°36          | 6°48           | 12°10 | 4°35          | 15°45          | 9°41            | 18°11          | 10°59  | 28°24          | 26°44          | 5° 8          | 13°37          | F 17 |
| S 18 | 3 45 1  | 24°52'04         | 11 <b>M</b> 6  | 14°11          | 6°19           | 12°53 | 4°47          | 15°51          | 9°41            | 18°11          | 10°58  | 28°19          | 26°40          | 5°15          | 13°35          | S 18 |
| S 19 | 3 48 57 | 25°52'38         | 25°49          | 15°47          | 5°49           | 13°36 | 5° 0          | 15°58          | 9°41            | 18°11          | 10°57  | 28°11          | 26°37          | 5°21          | 13°33          | S 19 |
| M20  | 3 52 54 | 26°53'14         | 10 <b>∡</b> 19 | 17°22          | 5°16           | 14°19 | 5°13          | 16° 4          | 9°D41           | 18°11          | 10°56  | 28° 1          | 26°34          | 5°28          | 13°31          | M20  |
| T 21 | 3 56 50 | 27°53'51         | 2 <u>4</u> °29 | 18°58          | 4°43           | 15° 3 | 5°25          | 16°10          | 9°41            | 18°R11         | 10°56  | 27°51          | 26°31          | 5°34          | 13°30          | T 21 |
| W22  | 4 0 47  | 28°54'29         | 8 <b>궁</b> 15  | 20°33          | 4° 8           | 15°46 | 5°38          | 16°16          | 9°41            | 18°11          | 10°55  | 27°42          | 26°28          | 5°41          | 13°28          | W22  |
| T 23 | 4 4 43  | 29°55'09         | 21°35          | 22° 9          | 3°33           | 16°29 | 5°50          | 16°22          | 9°41            | 18°11          | 10°54  | 27°34          | 26°25          | 5°48          | 13°26          | T 23 |
| F 24 | 4 8 40  | 0 <b>₹</b> 55'50 | 4≈28           | 23°44          | 2°57           | 17°13 | 6° 3          | 16°28          | 9°41            | 18°11          | 10°53  | 27°28          | 26°21          | 5°54          | 13°24          | F 24 |
| S 25 | 4 12 36 | 1°56'32          | 16°59          | 25°19          | 2°21           | 17°56 | 6°15          | 16°34          | 9°41            | 18°11          | 10°52  | 27°24          | 26°18          | 6° 1          | 13°23          | S 25 |
| S 26 | 4 16 33 | 2°57'14          | 29°10          | 26°54          | 1°44           | 18°40 | 6°28          | 16°40          | 9°42            | 18°11          | 10°51  | 27°D23         | 26°15          | 6° 8          | 13°21          | S 26 |
| M27  | 4 20 30 | 3°57'58          | 11 <b>米</b> 8  | 28°29          | 1° 8           | 19°23 | 6°40          | 16°46          | 9°42            | 18°10          | 10°50  | 27°23          | 26°12          | 6°14          | 13°20          | M27  |
| T 28 | 4 24 26 | 4°58'43          | 22°58          | 0 <b>才</b> 4   | 0°32           | 20° 7 | 6°52          | 16°51          | 9°42            | 18°10          | 10°49  | 27°R24         | 26° 9          | 6°21          | 13°18          | T 28 |
| W29  | 4 28 23 | 5°59'29          | 4 <b>Υ</b> 45  | 1°38           | 29M57          | 20°50 | 7° 5          | 16°57          | 9°43            | 18°10          | 10°48  | 27°24          | 26° 5          | 6°28          | 13°17          | W29  |
| T 30 | 4 32 19 | 7 <b>才</b> 0'16  | 16 <b>Ƴ</b> 34 | 3 <b>∡</b> 13  | 29M22          | 21≈34 | 7 <b>M</b> 17 | 17 <b>♀</b> 3  | 9 <b>)</b> (43  | 18 <b>Ω</b> 10 | 109547 | 27 Mg 22       | 26M) 2         | 6 <b>Υ</b> 34 | 13 <b>Y</b> 16 | T 30 |

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| Day          | Sid.t              | 0                    | D                      | Ϋ́             | φ               | ð                     | 4              | ħ              | ) <b>f</b> (   | ¥              | Р              | V              | Ω              | Ç             | §.             | Day          |
|--------------|--------------------|----------------------|------------------------|----------------|-----------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|--------------|
| F 1          | 4 36 16            | 8 <b>√</b> 1'04      | 28 <b>Y</b> 30         | 4 <b>√</b> 47  | 28°R49          | 22≈18                 | 7 <b>M</b> 29  | 17 <b>♀</b> 8  | 9 <b>){</b> 44 | 18°R 9         | 10°R46         | 27°R17         | 25 <b>m</b> 59 | 6 <b>Υ</b> 41 | 13°R14         | F 1          |
| S 2          | 4 40 12            | 9° 1'53              | 10836                  | 6°22           | 28 <b>M</b> .17 | 23° 1                 | 7°41           | 17°14          | 9°44           | 18 <b>N</b> 9  | 109945         | 27 <b>m</b> 10 | 25°56          | 6°48          | 13 <b>Y</b> 13 | S 2          |
| S 3          | 4 44 9             | 10° 2'43             | 22°56                  | 7°56           | 27°47           | 23°45                 | 7°53           | 17°19          | 9°45           | 18° 9          | 10°44          | 27° 0          | 25°53          | 6°54          | 13°12          | S 3          |
| M 4          | 4 48 5             | 11° 3'34             | 5 <b>Ⅱ</b> 30          | 9°30           | 27°18           | 24°29                 | 8° 5           | 17°25          | 9°46           | 18° 8          | 10°43          | 26°48          | 25°50          | 7° 1          | 13°11          | M 4          |
| T 5          | 4 52 2             | 12° 4'27             | 18°18                  | 11° 5          | 26°52           | 25°13                 | 8°17           | 17°30          | 9°46           | 18° 8          | 10°42          | 26°35          | 25°46          | 7° 8          | 13° 9          | T 5          |
| W 6          | 4 55 59            | 13° 5'20             | 19520                  | 12°39          | 26°27           | 25°56                 | 8°29           | 17°35          | 9°47           | 18° 7          | 10°41          | 26°22          | 25°43          | 7°14          | 13° 8          | W 6          |
| T 7          | 4 59 55            | 14° 6'14<br>15° 7'10 | 14°35<br>28° 0         | 14°13          | 26° 5           | 26°40                 | 8°41           | 17°40          | 9°48<br>9°49   | 18° 7<br>18° 6 | 10°40<br>10°39 | 26°10<br>26° 0 | 25°40          | 7°21<br>7°27  | 13° 7<br>13° 6 | T 7<br>F 8   |
| F 8<br>S 9   | 5 3 52<br>5 7 48   | 16° 8'07             | $11\Omega_{35}$        | 15°47<br>17°21 | 25°44<br>25°26  | 27°24<br>28° 8        | 8°53<br>9°4    | 17°45<br>17°50 | 9°49<br>9°50   | 18° 6<br>18° 6 | 10°39<br>10°38 | 25°54          | 25°37<br>25°34 | 7°34          | 13° 6<br>13° 5 | F 8<br>S 9   |
|              |                    |                      |                        |                |                 |                       | -              |                |                |                |                |                |                |               |                |              |
| S 10         | 5 11 45            | 17° 9'04             | 25°19                  | 18°56          | 25°11           | 28°52                 | 9°16           | 17°55          | 9°51           | 18° 5          | 10°37          | 25°50          | 25°31          | 7°41          | 13° 5          | S 10         |
| M11          | 5 15 41            | 18°10'03             | 9 <b>m</b> )10         | 20°30          | 24°58           | 29°36                 | 9°28           | 18° 0          | 9°52           | 18° 4          | 10°35          | 25°48          | 25°27          | 7°47          | 13° 4          | M11          |
| T 12<br>W13  | 5 19 38<br>5 23 35 | 19°11'03<br>20°12'05 | 23°10<br>7 <b>Ω</b> 17 | 22° 5<br>23°39 | 24°47<br>24°39  | 0 <b>∺</b> 20<br>1° 4 | 9°39<br>9°51   | 18° 5<br>18°10 | 9°53<br>9°54   | 18° 4<br>18° 3 | 10°34<br>10°33 | 25°48<br>25°48 | 25°24<br>25°21 | 7°54<br>8° 1  | 13° 3<br>13° 2 | T 12<br>W13  |
| T 14         | 5 27 31            | 20 12 03<br>21°13'07 | 21°31                  | 25°14          | 24°34           | 1°48                  | 10° 2          | 18°14          | 9°56           | 18° 2          | 10°33          | 25°46          | 25°18          | 8° 7          | 13° 2          | T 14         |
| F 15         | 5 31 28            | 22°14'10             | 5 <b>M</b> .50         | 26°48          | 24°31           | 2°32                  | 10°13          | 18°19          | 9°57           | 18° 2          | 10°31          | 25°42          | 25°15          | 8°14          | 13° 1          | F 15         |
| S 16         | 5 35 24            | 23°15'15             | 20°11                  | 28°23          | 24°D30          | 3°16                  | 10°25          | 18°23          | 9°58           | 18° 1          | 10°30          | 25°35          | 25°11          | 8°21          | 13° 0          | S 16         |
| S 17         | 5 39 21            | 24°16'20             | 4 <b>₹</b> 29          | 29°58          | 24°32           | 4° 0                  | 10°36          | 18°28          | 9°59           | 18° 0          | 10°29          | 25°25          | 25° 8          | 8°27          | 13° 0          | S 17         |
| M18          | 5 43 17            | 25°17'26             | 18°38                  | 1 <b>る</b> 33  | 24°37           | 4°44                  | 10°47          | 18°32          | 10° 1          | 17°59          | 10°27          | 25°13          | 25° 5          | 8°34          | 13° 0          | M18          |
| T 19         | 5 47 14            | 26°18'33             | 2 <b>る</b> 33          | 3° 9           | 24°43           | 5°28                  | 10°58          | 18°36          | 10° 2          | 17°58          | 10°26          | 24°59          | 25° 2          | 8°41          | 12°59          | T 19         |
| W20          | 5 51 10            | 27°19'40             | 16° 9                  | 4°44           | 24°52           | 6°12                  | 11° 9          | 18°40          | 10° 4          | 17°57          | 10°25          | 24°47          | 24°59          | 8°47          | 12°59          | W20          |
| T 21         | 5 55 7             | 28°20'47             | 29°23                  | 6°19           | 25° 3           | 6°56                  | 11°20          | 18°44          | 10° 5          | 17°56          | 10°24          | 24°36          | 24°56          | 8°54          | 12°59          | T 21         |
| F 22         | 5 59 4             | 29°21'55             | 12≈15                  | 7°55           | 25°17           | 7°40                  | 11°30          | 18°48          | 10° 7          | 17°55          | 10°23          | 24°27          | 24°52          | 9° 1          | 12°58          | F 22         |
| S 23         | 6 3 0              | 0る23'04              | 24°46                  | 9°31           | 25°32           | 8°24                  | 11°41          | 18°52          | 10° 9          | 17°54          | 10°21          | 24°21          | 24°49          | 9° 7          | 12°58          | S 23         |
| S 24         | 6 6 5 7            | 1°24'12              | 6 <b>¥</b> 58          | 11° 6          | 25°50           | 9° 9                  | 11°52          | 18°56          | 10°10          | 17°53          | 10°20          | 24°18          | 24°46          | 9°14          | 12°58          | S 24         |
| M25          | 6 10 53            | 2°25'20              | 18°58                  | 12°42          | 26° 9           | 9°53                  | 12° 2          | 19° 0          | 10°12          | 17°52          | 10°19          | 24°17          | 24°43          | 9°21          | 12°D58         | M25          |
| T 26         | 6 14 50            | 3°26'29              | 0 <b>Υ</b> 48          | 14°18          | 26°31           | 10°37                 | 12°13          | 19° 3          | 10°14          | 17°51          | 10°18          | 24°17          | 24°40          | 9°27          | 12°58          | T 26         |
| W27          | 6 18 46            | 4°27'37              | 12°36                  | 15°54          | 26°54           | 11°21                 | 12°23          | 19° 7          | 10°16          | 17°50          | 10°16          | 24°17          | 24°36          | 9°34          | 12°58          | W27          |
| T 28         | 6 22 43            | 5°28'46              | 24°26                  | 17°30<br>19° 5 | 27°19<br>27°46  | 12° 5                 | 12°33          | 19°10          | 10°17          | 17°49<br>17°48 | 10°15          | 24°16          | 24°33          | 9°40          | 12°58          | T 28         |
| F 29<br>S 30 | 6 26 39<br>6 30 36 | 6°29'54<br>7°31'03   | 6 <b>8</b> 24<br>18°35 | 19° 5<br>20°41 | 27°46<br>28°14  | 12°49<br>13°33        | 12°43<br>12°53 | 19°13<br>19°17 | 10°19<br>10°21 | 17°48<br>17°47 | 10°14<br>10°13 | 24°12<br>24° 6 | 24°30<br>24°27 | 9°47<br>9°54  | 12°59<br>12°59 | F 29<br>S 30 |
|              |                    |                      |                        | -              | -               |                       |                |                |                |                |                |                | -              |               |                |              |
| S 31         | 6 34 33            | 8 <b>궁</b> 32'11     | 1 <b>II</b> 2          | 22 <b>궁</b> 16 | 28 <b>M</b> 44  | 14 <b>米</b> 17        | 13 <b>M</b> 3  | 19 <b>≏</b> 20 | 10 <b>∺</b> 23 | 17 <b>Ω</b> 45 | 109911         | 23 Mp 56       | 24 Mp 24       | 10 <b>Y</b> 0 | 12 <b>Y</b> 59 | S 31         |

Delta T = 23.08 sec

JANUARY 1923 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ              | ·               | ď             | 4               | ħ              | )f(            | ¥              | Р      | ß              | Ω              | Ç              | ę,             | Day  |
|------|---------|------------------|----------------|----------------|-----------------|---------------|-----------------|----------------|----------------|----------------|--------|----------------|----------------|----------------|----------------|------|
| M 1  | 6 38 29 | 9 <b>ට</b> 33'20 | 13 <b>Ⅱ</b> 47 | 23 <b>궁</b> 51 | 29 <b>TL</b> 16 | 15 <b>米</b> 2 | 13 <b>M</b> .13 | 19 <b>≏</b> 23 | 10 <b>)</b> 25 | 17°R44         | 10°R10 | 23°R45         | 24 Mp 21       | 10 <b>Y</b> 7  | 12 <b>Y</b> 59 | M 1  |
| T 2  | 6 42 26 | 10°34'28         | 26°52          | 25°25          | 29°49           | 15°46         | 13°23           | 19°26          | 10°27          | 17 <b>Ω</b> 43 | 1099 9 | 23 m/33        | 24°17          | 10°14          | 13° 0          | T 2  |
| W 3  | 6 46 22 | 11°35'36         | 109516         | 26°58          | 0 <b>∡</b> 124  | 16°30         | 13°32           | 19°29          | 10°29          | 17°42          | 10° 8  | 23°20          | 24°14          | 10°20          | 13° 0          | W 3  |
| T 4  | 6 50 19 | 12°36'45         | 23°55          | 28°30          | 1° 0            | 17°14         | 13°42           | 19°31          | 10°32          | 17°40          | 10° 6  | 23° 8          | 24°11          | 10°27          | 13° 1          | T 4  |
| F 5  | 6 54 15 | 13°37'53         | $7\Omega$ 47   | 0≈ 1           | 1°38            | 17°58         | 13°51           | 19°34          | 10°34          | 17°39          | 10° 5  | 22°59          | 24° 8          | 10°34          | 13° 1          | F 5  |
| S 6  | 6 58 12 | 14°39'02         | 21°48          | 1°31           | 2°16            | 18°42         | 14° 1           | 19°37          | 10°36          | 17°38          | 10° 4  | 22°53          | 24° 5          | 10°40          | 13° 2          | S 6  |
| S 7  | 7 2 8   | 15°40'10         | 5 <b>m</b> 53  | 2°59           | 2°56            | 19°26         | 14°10           | 19°39          | 10°38          | 17°36          | 10° 3  | 22°49          | 24° 2          | 10°47          | 13° 3          | S 7  |
| M 8  | 7 6 5   | 16°41'18         | 20° 1          | 4°24           | 3°37            | 20°10         | 14°19           | 19°41          | 10°41          | 17°35          | 10° 2  | 22°D48         | 23°58          | 10°54          | 13° 3          | M 8  |
| T 9  | 7 10 2  | 17°42'27         | 4 <b>요</b> 8   | 5°47           | 4°20            | 20°54         | 14°28           | 19°44          | 10°43          | 17°34          | 10° 0  | 22°48          | 23°55          | 11° 0          | 13° 4          | T 9  |
| W10  | 7 13 58 | 18°43'36         | 18°14          | 7° 7           | 5° 3            | 21°38         | 14°37           | 19°46          | 10°45          | 17°32          | 9°59   | 22°R49         | 23°52          | 11° 7          | 13° 5          | W10  |
| T 11 | 7 17 55 | 19°44'44         | 2 <b>M</b> 18  | 8°23           | 5°47            | 22°22         | 14°45           | 19°48          | 10°48          | 17°31          | 9°58   | 22°48          | 23°49          | 11°14          | 13° 6          | T 11 |
| F 12 | 7 21 51 | 20°45'53         | 16°19          | 9°35           | 6°33            | 23° 6         | 14°54           | 19°50          | 10°50          | 17°29          | 9°57   | 22°45          | 23°46          | 11°20          | 13° 7          | F 12 |
| S 13 | 7 25 48 | 21°47'02         | 0 <b>,₹</b> 15 | 10°42          | 7°19            | 23°50         | 15° 3           | 19°52          | 10°53          | 17°28          | 9°55   | 22°40          | 23°42          | 11°27          | 13° 8          | S 13 |
| S 14 | 7 29 44 | 22°48'10         | 14° 5          | 11°43          | 8° 7            | 24°34         | 15°11           | 19°53          | 10°55          | 17°26          | 9°54   | 22°32          | 23°39          | 11°34          | 13° 9          | S 14 |
| M15  | 7 33 41 | 23°49'19         | 27°46          | 12°37          | 8°55            | 25°18         | 15°19           | 19°55          | 10°58          | 17°25          | 9°53   | 22°22          | 23°36          | 11°40          | 13°10          | M15  |
| T 16 | 7 37 37 | 24°50'27         | 11 <b>궁</b> 16 | 13°24          | 9°44            | 26° 2         | 15°27           | 19°56          | 11° 0          | 17°23          | 9°52   | 22°12          | 23°33          | 11°47          | 13°11          | T 16 |
| W17  | 7 41 34 | 25°51'35         | 24°31          | 14° 3          | 10°34           | 26°46         | 15°35           | 19°58          | 11° 3          | 17°22          | 9°51   | 22° 1          | 23°30          | 11°54          | 13°12          | W17  |
| T 18 | 7 45 31 | 26°52'42         | 7≈29           | 14°32          | 11°25           | 27°30         | 15°43           | 19°59          | 11° 6          | 17°20          | 9°49   | 21°52          | 23°27          | 12° 0          | 13°14          | T 18 |
| F 19 | 7 49 27 | 27°53'48         | 20°11          | 14°51          | 12°16           | 28°14         | 15°51           | 20° 0          | 11°8           | 17°19          | 9°48   | 21°45          | 23°23          | 12° 7          | 13°15          | F 19 |
| S 20 | 7 53 24 | 28°54'54         | 2 <b>∺</b> 35  | 15°R 0         | 13° 8           | 28°58         | 15°59           | 20° 2          | 11°11          | 17°17          | 9°47   | 21°41          | 23°20          | 12°13          | 13°16          | S 20 |
| S 21 | 7 57 20 | 29°55'59         | 14°45          | 14°57          | 14° 1           | 29°42         | 16° 6           | 20° 2          | 11°14          | 17°16          | 9°46   | 21°39          | 23°17          | 12°20          | 13°18          | S 21 |
| M22  | 8 1 17  | 0≈57'03          | 26°44          | 14°42          | 14°55           | 0 <b>Υ</b> 25 | 16°13           | 20° 3          | 11°17          | 17°14          | 9°45   | 21°D39         | 23°14          | 12°27          | 13°19          | M22  |
| T 23 | 8 5 13  | 1°58'06          | 8 <b>Ƴ</b> 34  | 14°16          | 15°49           | 1° 9          | 16°21           | 20° 4          | 11°19          | 17°12          | 9°44   | 21°40          | 23°11          | 12°33          | 13°21          | T 23 |
| W24  | 8 9 10  | 2°59'08          | 20°22          | 13°39          | 16°43           | 1°53          | 16°28           | 20° 5          | 11°22          | 17°11          | 9°42   | 21°41          | 23° 8          | 12°40          | 13°22          | W24  |
| T 25 | 8 13 6  | 4° 0'09          | 2812           | 12°51          | 17°39           | 2°37          | 16°34           | 20° 5          | 11°25          | 17° 9          | 9°41   | 21°R42         | 23° 4          | 12°47          | 13°24          | T 25 |
| F 26 | 8 17 3  | 5° 1'09          | 14° 9          | 11°54          | 18°35           | 3°21          | 16°41           | 20° 6          | 11°28          | 17° 7          | 9°40   | 21°41          | 23° 1          | 12°53          | 13°26          | F 26 |
| S 27 | 8 21 0  | 6° 2'08          | 26°20          | 10°50          | 19°31           | 4° 4          | 16°48           | 20° 6          | 11°31          | 17° 6          | 9°39   | 21°39          | 22°58          | 13° 0          | 13°27          | S 27 |
| S 28 | 8 24 56 | 7° 3'06          | 8 <b>Ⅱ</b> 48  | 9°40           | 20°28           | 4°48          | 16°54           | 20° 6          | 11°34          | 17° 4          | 9°38   | 21°35          | 22°55          | 13° 7          | 13°29          | S 28 |
| M29  | 8 28 53 | 8° 4'02          | 21°37          | 8°26           | 21°26           | 5°32          | 17° 1           | 20° 7          | 11°37          | 17° 3          | 9°37   | 21°29          | 22°52          | 13°13          | 13°31          | M29  |
| T 30 | 8 32 49 | 9° 4'58          | 49549          | 7°11           | 22°24           | 6°15          | 17° 7           | 20°R 7         | 11°40          | 17° 1          | 9°36   | 21°22          | 22°48          | 13°20          | 13°33          | T 30 |
| W31  | 8 36 46 | 10≈ 5'52         | 18925          | 5≈57           | 23 <b>×</b> 22  | 6 <b>Ƴ</b> 59 | 17 <b>M</b> 13  | 20 <b>♀</b> 7  | 11 <b>米</b> 43 | 16 <b>Ω</b> 59 | 9935   | 21 <b>m</b> 14 | 22 <b>M</b> 45 | 13 <b>Y</b> 27 | 13 <b>Y</b> 35 | W31  |

Delta T = 23.12 sec

FEBRUARY 1923 00:00 UT

| Day  | Sid.t    | $\odot$          | Ŋ               | φ              | φ               | o <sup>7</sup> | 4               | ħ              | )∤(             | ¥              | 2     | ß               | Ω        | ţ              | Š              | Day  |
|------|----------|------------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-------|-----------------|----------|----------------|----------------|------|
| T 1  | 8 40 42  | 11≈ 6'46         | 2⋒23            | 4°R45          | 24 <b>×</b> 121 | 7 <b>℃</b> 42  | 17 <b>M</b> .19 | 20°R 6         | 11 <b>)</b> (46 | 16°R58         | 9°R34 | 21°R 8          | 22 Mp 42 | 13 <b>Y</b> 33 | 13 <b>Y</b> 37 | T 1  |
| F 2  | 8 44 39  | 12° 7'38         | 16°38           | 3≈38           | 25°21           | 8°26           | 17°24           | 20 <b>♀</b> 6  | 11°49           | 16 <b>Ω</b> 56 | 9933  | 21 Mg 2         | 22°39    | 13°40          | 13°39          | F 2  |
| S 3  | 8 48 35  | 13° 8'29         | 1 Mp 6          | 2°37           | 26°21           | 9°10           | 17°30           | 20° 6          | 11°52           | 16°54          | 9°32  | 20°59           | 22°36    | 13°47          | 13°41          | S 3  |
| S 4  | 8 52 32  | 14° 9'18         | 15°39           | 1°44           | 27°21           | 9°53           | 17°35           | 20° 5          | 11°55           | 16°52          | 9°31  | 20°D57          | 22°33    | 13°53          | 13°43          | S 4  |
| M 5  | 8 56 29  | 15°10'07         | 0 <b>ჲ</b> 13   | 0°58           | 28°22           | 10°37          | 17°40           | 20° 5          | 11°59           | 16°51          | 9°30  | 20°57           | 22°29    | 14° 0          | 13°45          | M 5  |
| T 6  | 9 0 25   | 16°10'55         | 14°42           | 0°20           | 29°23           | 11°20          | 17°46           | 20° 4          | 12° 2           | 16°49          | 9°29  | 20°59           | 22°26    | 14° 7          | 13°47          | T 6  |
| W 7  | 9 4 22   | 17°11'42         | 29° 2           | 29 <b>る</b> 51 | 0る24            | 12° 3          | 17°50           | 20° 3          | 12° 5           | 16°47          | 9°28  | 21° 0           | 22°23    | 14°13          | 13°49          | W 7  |
| T 8  | 9 8 18   | 18°12'29         | 13 <b>M</b> .12 | 29°30          | 1°26            | 12°47          | 17°55           | 20° 2          | 12° 8           | 16°46          | 9°27  | 21°R 1          | 22°20    | 14°20          | 13°52          | T 8  |
| F 9  | 9 12 15  | 19°13'14         | 27° 8           | 29°17          | 2°28            | 13°30          | 18° 0           | 20° 1          | 12°11           | 16°44          | 9°26  | 21° 1           | 22°17    | 14°27          | 13°54          | F 9  |
| S 10 | 9 16 11  | 20°13'58         | 10 <b>∡</b> 752 | 29°D12         | 3°31            | 14°14          | 18° 4           | 20° 0          | 12°15           | 16°42          | 9°25  | 20°59           | 22°14    | 14°33          | 13°56          | S 10 |
| S 11 | 9 20 8   | 21°14'41         | 24°22           | 29°14          | 4°33            | 14°57          | 18° 8           | 19°59          | 12°18           | 16°41          | 9°24  | 20°56           | 22°10    | 14°40          | 13°59          | S 11 |
| M12  | 9 24 4   | 22°15'23         | 7 <b>云</b> 39   | 29°23          | 5°37            | 15°40          | 18°12           | 19°57          | 12°21           | 16°39          | 9°23  | 20°52           | 22° 7    | 14°47          | 14° 1          | M12  |
| T 13 | 9 28 1   | 23°16'04         | 20°43           | 29°39          | 6°40            | 16°23          | 18°16           | 19°56          | 12°24           | 16°37          | 9°22  | 20°47           | 22° 4    | 14°53          | 14° 4          | T 13 |
| W14  | 9 31 58  | 24°16'44         | 3≈34            | 0≈ 1           | 7°44            | 17° 7          | 18°20           | 19°54          | 12°28           | 16°36          | 9°22  | 20°43           | 22° 1    | 15° 0          | 14° 6          | W14  |
| T 15 | 9 35 54  | 25°17'22         | 16°11           | 0°28           | 8°48            | 17°50          | 18°24           | 19°53          | 12°31           | 16°34          | 9°21  | 20°39           | 21°58    | 15° 6          | 14° 9          | T 15 |
| F 16 | 9 39 51  | 26°17'59         | 28°36           | 1° 0           | 9°52            | 18°33          | 18°27           | 19°51          | 12°34           | 16°32          | 9°20  | 20°36           | 21°54    | 15°13          | 14°11          | F 16 |
| S 17 | 9 43 47  | 27°18'35         | 10 <b>∺</b> 49  | 1°37           | 10°56           | 19°16          | 18°30           | 19°49          | 12°38           | 16°31          | 9°19  | 20°34           | 21°51    | 15°20          | 14°14          | S 17 |
| S 18 | 9 47 44  | 28°19'08         | 22°52           | 2°19           | 12° 1           | 19°59          | 18°33           | 19°47          | 12°41           | 16°29          | 9°18  | 20°D34          | 21°48    | 15°26          | 14°17          | S 18 |
| M19  | 9 51 40  | 29°19'40         | 4 <b>Ƴ</b> 47   | 3° 4           | 13° 6           | 20°42          | 18°36           | 19°45          | 12°44           | 16°27          | 9°18  | 20°35           | 21°45    | 15°33          | 14°19          | M19  |
| T 20 | 9 55 37  | 0 <b>∺</b> 20'11 | 16°37           | 3°53           | 14°11           | 21°25          | 18°39           | 19°43          | 12°48           | 16°26          | 9°17  | 20°36           | 21°42    | 15°40          | 14°22          | T 20 |
| W21  | 9 59 33  | 1°20'39          | 28°24           | 4°45           | 15°17           | 22° 8          | 18°41           | 19°41          | 12°51           | 16°24          | 9°16  | 20°38           | 21°39    | 15°46          | 14°25          | W21  |
| T 22 | 10 3 30  | 2°21'06          | 10 <b>8</b> 14  | 5°41           | 16°22           | 22°51          | 18°43           | 19°39          | 12°55           | 16°22          | 9°16  | 20°39           | 21°35    | 15°53          | 14°28          | T 22 |
| F 23 | 10 7 27  | 3°21'31          | 22°11           | 6°39           | 17°28           | 23°34          | 18°45           | 19°36          | 12°58           | 16°21          | 9°15  | 20°40           | 21°32    | 16° 0          | 14°30          | F 23 |
| S 24 | 10 11 23 | 4°21'54          | 4 <b>Ⅱ</b> 19   | 7°40           | 18°34           | 24°17          | 18°47           | 19°34          | 13° 1           | 16°19          | 9°14  | 20°R41          | 21°29    | 16° 6          | 14°33          | S 24 |
| S 25 | 10 15 20 | 5°22'15          | 16°44           | 8°44           | 19°40           | 25° 0          | 18°49           | 19°31          | 13° 5           | 16°18          | 9°14  | 20°40           | 21°26    | 16°13          | 14°36          | S 25 |
| M26  | 10 19 16 | 6°22'34          | 29°29           | 9°50           | 20°47           | 25°43          | 18°51           | 19°28          | 13° 8           | 16°16          | 9°13  | 20°39           | 21°23    | 16°20          | 14°39          | M26  |
| T 27 | 10 23 13 | 7°22'51          | 12939           | 10°58          | 21°53           | 26°25          | 18°52           | 19°26          | 13°12           | 16°15          | 9°12  | 20°38           | 21°20    | 16°26          | 14°42          | T 27 |
| W28  | 10 27 9  | 8 <b>¥</b> 23'07 | 269514          | 12≈ 9          | 23 <b>る</b> 0   | 27 <b>Y</b> 8  | 18 <b>M</b> 53  | 19 <b>≏</b> 23 | 13 <b>米</b> 15  | 16 <b>Ω</b> 13 | 99512 | 20 <b>m</b> /36 | 21 Mp 16 | 16 <b>Y</b> 33 | 14 <b>Y</b> 45 | W28  |

Delta T = 23.15 sec

MARCH 1923 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ď              | 4              | ħ              | )ţ(            | ¥              | Р     | n              | Ω              | ţ              | ķ              | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------|----------------|----------------|----------------|----------------|------|
| T 1  | 10 31 6  | 9 <b>)</b> 23'20 | 10Ω16          | 13≈21          | 24궁 7          | 27 <b>Y</b> 51 | 18 <b>M</b> 54 | 19°R20         | 13 <b>)</b> 18 | 16°R12         | 9°R11 | 20°R35         | 21 m 13        | 16 <b>Υ</b> 40 | 14 <b>Υ</b> 48 | T 1  |
| F 2  | 10 35 2  | 10°23'31         | 24°42          | 14°35          | 25°14          | 28°34          | 18°55          | 19 <b>≙</b> 17 | 13°22          | 16 <b>Ω</b> 10 | 99511 | 20 <b>m</b> 34 | 21°10          | 16°46          | 14°51          | F 2  |
| S 3  | 10 38 59 | 11°23'40         | 9 <b>m</b> 26  | 15°50          | 26°21          | 29°16          | 18°56          | 19°14          | 13°25          | 16° 9          | 9°10  | 20°33          | 21° 7          | 16°53          | 14°54          | S 3  |
| S 4  | 10 42 55 | 12°23'48         | 24°22          | 17° 8          | 27°29          | 29°59          | 18°56          | 19°11          | 13°29          | 16° 7          | 9°10  | 20°D33         | 21° 4          | 17° 0          | 14°57          | S 4  |
| M 5  | 10 46 52 | 13°23'53         | 9 <b>ჲ</b> 22  | 18°27          | 28°36          | 0 <b>8</b> 41  | 18°56          | 19° 7          | 13°32          | 16° 6          | 9° 9  | 20°33          | 21° 0          | 17° 6          | 15° 0          | M 5  |
| T 6  | 10 50 49 | 14°23'57         | 24°17          | 19°47          | 29°44          | 1°24           | 18°R56         | 19° 4          | 13°36          | 16° 4          | 9° 9  | 20°34          | 20°57          | 17°13          | 15° 3          | T 6  |
| W 7  | 10 54 45 | 15°24'00         | 9 <b>™</b> 1   | 21° 9          | 0≈52           | 2° 6           | 18°56          | 19° 1          | 13°39          | 16° 3          | 9° 9  | 20°34          | 20°54          | 17°20          | 15° 7          | W 7  |
| T 8  | 10 58 42 | 16°24'00         | 23°27          | 22°33          | 2° 0           | 2°49           | 18°56          | 18°57          | 13°43          | 16° 1          | 9° 8  | 20°35          | 20°51          | 17°26          | 15°10          | T 8  |
| F 9  | 11 238   | 17°24'00         | 7 <b>.₹</b> 33 | 23°58          | 3° 8           | 3°31           | 18°55          | 18°54          | 13°46          | 16° 0          | 9° 8  | 20°35          | 20°48          | 17°33          | 15°13          | F 9  |
| S 10 | 11 6 35  | 18°23'57         | 21°17          | 25°24          | 4°16           | 4°14           | 18°55          | 18°50          | 13°49          | 15°58          | 9° 7  | 20°R35         | 20°45          | 17°40          | 15°16          | S 10 |
| S 11 | 11 10 31 | 19°23'53         | 4 <b>る</b> 40  | 26°51          | 5°25           | 4°56           | 18°54          | 18°46          | 13°53          | 15°57          | 9° 7  | 20°35          | 20°41          | 17°46          | 15°20          | S 11 |
| M12  | 11 14 28 | 20°23'48         | 17°44          | 28°20          | 6°33           | 5°38           | 18°53          | 18°42          | 13°56          | 15°56          | 9° 7  | 20°D35         | 20°38          | 17°53          | 15°23          | M12  |
| T 13 | 11 18 24 | 21°23'41         | 0≈31           | 29°50          | 7°42           | 6°20           | 18°51          | 18°39          | 14° 0          | 15°54          | 9° 7  | 20°35          | 20°35          | 18° 0          | 15°26          | T 13 |
| W14  | 11 22 21 | 22°23'32         | 13° 2          | 1 <b>)</b> (21 | 8°51           | 7° 3           | 18°50          | 18°35          | 14° 3          | 15°53          | 9° 6  | 20°35          | 20°32          | 18° 6          | 15°29          | W14  |
| T 15 | 11 26 18 | 23°23'21         | 25°22          | 2°54           | 10° 0          | 7°45           | 18°48          | 18°31          | 14° 7          | 15°52          | 9° 6  | 20°35          | 20°29          | 18°13          | 15°33          | T 15 |
| F 16 | 11 30 14 | 24°23'08         | 7 <b>∺</b> 31  | 4°28           | 11° 9          | 8°27           | 18°47          | 18°27          | 14°10          | 15°51          | 9° 6  | 20°35          | 20°25          | 18°20          | 15°36          | F 16 |
| S 17 | 11 34 11 | 25°22'53         | 19°32          | 6° 3           | 12°18          | 9° 9           | 18°45          | 18°23          | 14°13          | 15°49          | 9° 6  | 20°R36         | 20°22          | 18°26          | 15°39          | S 17 |
| S 18 | 11 38 7  | 26°22'36         | 1 <b>Y</b> 26  | 7°39           | 13°27          | 9°51           | 18°42          | 18°19          | 14°17          | 15°48          | 9° 5  | 20°35          | 20°19          | 18°33          | 15°43          | S 18 |
| M19  | 11 42 4  | 27°22'18         | 13°17          | 9°17           | 14°36          | 10°33          | 18°40          | 18°15          | 14°20          | 15°47          | 9° 5  | 20°35          | 20°16          | 18°40          | 15°46          | M19  |
| T 20 | 11 46 0  | 28°21'57         | 25° 5          | 10°56          | 15°46          | 11°15          | 18°37          | 18°10          | 14°23          | 15°46          | 9° 5  | 20°34          | 20°13          | 18°46          | 15°50          | T 20 |
| W21  | 11 49 57 | 29°21'34         | 6 <b>8</b> 54  | 12°36          | 16°55          | 11°57          | 18°35          | 18° 6          | 14°27          | 15°45          | 9° 5  | 20°33          | 20°10          | 18°53          | 15°53          | W21  |
| T 22 | 11 53 53 | 0 <b>Ƴ</b> 21'09 | 18°46          | 14°17          | 18° 5          | 12°39          | 18°32          | 18° 2          | 14°30          | 15°44          | 9° 5  | 20°32          | 20° 6          | 19° 0          | 15°57          | T 22 |
| F 23 | 11 57 50 | 1°20'42          | 0 <b>Ⅱ</b> 44  | 16° 0          | 19°14          | 13°21          | 18°29          | 17°58          | 14°33          | 15°43          | 9° 5  | 20°30          | 20° 3          | 19° 6          | 16° 0          | F 23 |
| S 24 | 12 1 47  | 2°20'12          | 12°52          | 17°44          | 20°24          | 14° 3          | 18°25          | 17°53          | 14°37          | 15°41          | 9°D 5 | 20°29          | 20° 0          | 19°13          | 16° 3          | S 24 |
| S 25 | 12 5 43  | 3°19'41          | 25°14          | 19°29          | 21°34          | 14°45          | 18°22          | 17°49          | 14°40          | 15°40          | 9° 5  | 20°28          | 19°57          | 19°20          | 16° 7          | S 25 |
| M26  | 12 9 40  | 4°19'07          | 7 <b>9</b> 55  | 21°15          | 22°44          | 15°27          | 18°18          | 17°44          | 14°43          | 15°39          | 9° 5  | 20°D28         | 19°54          | 19°26          | 16°10          | M26  |
| T 27 | 12 13 36 | 5°18'30          | 20°57          | 23° 3          | 23°54          | 16° 8          | 18°15          | 17°40          | 14°47          | 15°38          | 9° 5  | 20°29          | 19°51          | 19°33          | 16°14          | T 27 |
| W28  | 12 17 33 | 6°17'52          | $4\Omega$ 24   | 24°52          | 25° 4          | 16°50          | 18°11          | 17°35          | 14°50          | 15°38          | 9° 5  | 20°30          | 19°47          | 19°40          | 16°17          | W28  |
| T 29 | 12 21 29 | 7°17'11          | 18°19          | 26°43          | 26°14          | 17°32          | 18° 6          | 17°31          | 14°53          | 15°37          | 9° 5  | 20°31          | 19°44          | 19°46          | 16°21          | T 29 |
| F 30 | 12 25 26 | 8°16'27          | 2 Mp 40        | 28°35          | 27°24          | 18°13          | 18° 2          | 17°26          | 14°56          | 15°36          | 9° 5  | 20°32          | 19°41          | 19°53          | 16°24          | F 30 |
| S 31 | 12 29 22 | 9 <b>Υ</b> 15'42 | 17 <b>m</b> 24 | 0 <b>Υ</b> 28  | 28 <b>≈</b> 34 | 18 <b>8</b> 55 | 17 <b>M</b> 58 | 17 <b>≏</b> 22 | 15 <b>∺</b> 0  | 15 <b>Ω</b> 35 | 999 6 | 20°R33         | 19 <b>m</b> 38 | 20 <b>Υ</b> 0  | 16 <b>Y</b> 28 | S 31 |

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APRIL 1923 00:00 UT

| Day  | Sid.t    | 0                 | D               | ğ              | ·               | ♂     | 4              | ħ              | )f(            | ¥              | В     | u               | v              | Ç              | ç              | Day  |
|------|----------|-------------------|-----------------|----------------|-----------------|-------|----------------|----------------|----------------|----------------|-------|-----------------|----------------|----------------|----------------|------|
| S 1  | 12 33 19 | 10 <b>Υ</b> 14'54 | 2 <b>≏</b> 27   | 2 <b>Y</b> 22  | 29≈45           | 19836 | 17°R53         | 17°R17         | 15 <b>)</b> 3  | 15°R34         | 995 6 | 20°R32          | 19 <b>m</b> 35 | 20 <b>Υ</b> 6  | 16 <b>Y</b> 31 | S 1  |
| M 2  | 12 37 15 | 11°14'04          | 17°40           | 4°18           | 0 <b>) ₹</b> 55 | 20°18 | 17 <b>M</b> 48 | 17 <b>≏</b> 13 | 15° 6          | 15 <b>Ω</b> 33 | 9° 6  | 20 <b>m</b> /31 | 19°31          | 20°13          | 16°35          | M 2  |
| T 3  | 12 41 12 | 12°13'12          | 2 <b>M</b> 54   | 6°15           | 2° 5            | 20°59 | 17°44          | 17° 8          | 15° 9          | 15°32          | 9° 6  | 20°29           | 19°28          | 20°20          | 16°39          | T 3  |
| W 4  | 12 45 9  | 13°12'18          | 17°57           | 8°14           | 3°16            | 21°41 | 17°38          | 17° 4          | 15°12          | 15°32          | 9° 6  | 20°26           | 19°25          | 20°26          | 16°42          | W 4  |
| T 5  | 12 49 5  | 14°11'23          | 2 <b>₹</b> 42   | 10°13          | 4°26            | 22°22 | 17°33          | 16°59          | 15°15          | 15°31          | 9° 7  | 20°23           | 19°22          | 20°33          | 16°46          | T 5  |
| F 6  | 12 53 2  | 15°10'25          | 17° 3           | 12°14          | 5°37            | 23° 4 | 17°28          | 16°54          | 15°19          | 15°30          | 9° 7  | 20°20           | 19°19          | 20°39          | 16°49          | F 6  |
| S 7  | 12 56 58 | 16° 9'26          | 0 <b>궁</b> 58   | 14°16          | 6°48            | 23°45 | 17°23          | 16°50          | 15°22          | 15°30          | 9° 7  | 20°18           | 19°16          | 20°46          | 16°53          | S 7  |
| S 8  | 13 0 55  | 17° 8'25          | 14°25           | 16°20          | 7°58            | 24°26 | 17°17          | 16°45          | 15°25          | 15°29          | 9° 8  | 20°D17          | 19°12          | 20°53          | 16°56          | S 8  |
| M 9  | 13 451   | 18° 7'23          | 27°26           | 18°24          | 9° 9            | 25° 7 | 17°11          | 16°40          | 15°28          | 15°28          | 9° 8  | 20°17           | 19° 9          | 20°59          | 17° 0          | M 9  |
| T 10 | 13 8 48  | 19° 6'19          | 10≈ 6           | 20°28          | 10°20           | 25°49 | 17° 5          | 16°36          | 15°31          | 15°28          | 9° 8  | 20°19           | 19° 6          | 21° 6          | 17° 3          | T 10 |
| W11  | 13 12 44 | 20° 5'12          | 22°28           | 22°34          | 11°31           | 26°30 | 16°59          | 16°31          | 15°34          | 15°27          | 9° 9  | 20°20           | 19° 3          | 21°13          | 17° 7          | W11  |
| T 12 | 13 16 41 | 21° 4'04          | 4 <b>) (</b> 37 | 24°40          | 12°42           | 27°11 | 16°53          | 16°26          | 15°37          | 15°27          | 9° 9  | 20°22           | 19° 0          | 21°19          | 17°10          | T 12 |
| F 13 | 13 20 38 | 22° 2'55          | 16°35           | 26°46          | 13°53           | 27°52 | 16°47          | 16°22          | 15°40          | 15°26          | 9°10  | 20°R23          | 18°56          | 21°26          | 17°14          | F 13 |
| S 14 | 13 24 34 | 23° 1'43          | 28°27           | 28°52          | 15° 4           | 28°33 | 16°41          | 16°17          | 15°42          | 15°26          | 9°10  | 20°23           | 18°53          | 21°33          | 17°18          | S 14 |
| S 15 | 13 28 31 | 24° 0'29          | 10 <b>Y</b> 16  | 0 <b>8</b> 58  | 16°15           | 29°14 | 16°34          | 16°13          | 15°45          | 15°25          | 9°11  | 20°21           | 18°50          | 21°39          | 17°21          | S 15 |
| M16  | 13 32 27 | 24°59'14          | 22° 4           | 3° 3           | 17°26           | 29°55 | 16°28          | 16° 8          | 15°48          | 15°25          | 9°11  | 20°17           | 18°47          | 21°46          | 17°25          | M16  |
| T 17 | 13 36 24 | 25°57'57          | 3 <b>8</b> 53   | 5° 7           | 18°37           | 0Д36  | 16°21          | 16° 4          | 15°51          | 15°25          | 9°12  | 20°12           | 18°44          | 21°53          | 17°28          | T 17 |
| W18  | 13 40 20 | 26°56'37          | 15°46           | 7°10           | 19°49           | 1°17  | 16°14          | 15°59          | 15°54          | 15°24          | 9°12  | 20° 6           | 18°41          | 21°59          | 17°32          | W18  |
| T 19 | 13 44 17 | 27°55'16          | 27°43           | 9°12           | 21° 0           | 1°58  | 16° 7          | 15°54          | 15°57          | 15°24          | 9°13  | 19°59           | 18°37          | 22° 6          | 17°35          | T 19 |
| F 20 | 13 48 13 | 28°53'53          | 9 <b>Ⅱ</b> 48   | 11°11          | 22°11           | 2°39  | 16° 0          | 15°50          | 15°59          | 15°24          | 9°14  | 19°52           | 18°34          | 22°13          | 17°39          | F 20 |
| S 21 | 13 52 10 | 29°52'27          | 22° 1           | 13° 9          | 23°22           | 3°19  | 15°53          | 15°46          | 16° 2          | 15°24          | 9°14  | 19°45           | 18°31          | 22°19          | 17°42          | S 21 |
| S 22 | 13 56 7  | 0851'00           | 49527           | 15° 3          | 24°34           | 4° 0  | 15°46          | 15°41          | 16° 5          | 15°23          | 9°15  | 19°41           | 18°28          | 22°26          | 17°46          | S 22 |
| M23  | 14 0 3   | 1°49'30           | 17° 7           | 16°55          | 25°45           | 4°41  | 15°39          | 15°37          | 16° 7          | 15°23          | 9°15  | 19°38           | 18°25          | 22°33          | 17°49          | M23  |
| T 24 | 14 4 0   | 2°47'58           | O <b>Ω</b> 5    | 18°44          | 26°57           | 5°22  | 15°32          | 15°32          | 16°10          | 15°23          | 9°16  | 19°D37          | 18°22          | 22°40          | 17°53          | T 24 |
| W25  | 14 7 56  | 3°46'24           | 13°25           | 20°30          | 28° 8           | 6° 2  | 15°24          | 15°28          | 16°13          | 15°23          | 9°17  | 19°37           | 18°18          | 22°46          | 17°56          | W25  |
| T 26 | 14 11 53 | 4°44'48           | 27° 8           | 22°12          | 29°19           | 6°43  | 15°17          | 15°24          | 16°15          | 15°23          | 9°18  | 19°38           | 18°15          | 22°53          | 18° 0          | T 26 |
| F 27 | 14 15 49 | 5°43'09           | 11 <b>M</b> p16 | 23°50          | 0 <b>Υ</b> 31   | 7°24  | 15°10          | 15°20          | 16°18          | 15°D23         | 9°18  | 19°39           | 18°12          | 23° 0          | 18° 3          | F 27 |
| S 28 | 14 19 46 | 6°41'29           | 25°48           | 25°24          | 1°43            | 8° 4  | 15° 2          | 15°16          | 16°20          | 15°23          | 9°19  | 19°R39          | 18° 9          | 23° 6          | 18° 6          | S 28 |
| S 29 | 14 23 42 | 7°39'46           | 10 <b>≏</b> 42  | 26°55          | 2°54            | 8°45  | 14°55          | 15°11          | 16°23          | 15°23          | 9°20  | 19°38           | 18° 6          | 23°13          | 18°10          | S 29 |
| M30  | 14 27 39 | 8 <b>8</b> 38'02  | 25 <b>≙</b> 51  | 28 <b>8</b> 21 | 4 <b>Υ</b> 6    | 9Ⅱ25  | 14 <b>M</b> 47 | 15 <b>♀</b> 7  | 16 <b>∺</b> 25 | 15 <b>Ω</b> 23 | 99921 | 19 <b>m</b> /34 | 18Mp 2         | 23 <b>Y</b> 20 | 18 <b>Y</b> 13 | M30  |

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| Day         | Sid.t                | 0                    | D                      | ğ             | Q.                    | ð              | 4              | ħ              | )∤(            | ¥              | Р             | ₽.              | v               | Ç              | k<br>k         | Day         |
|-------------|----------------------|----------------------|------------------------|---------------|-----------------------|----------------|----------------|----------------|----------------|----------------|---------------|-----------------|-----------------|----------------|----------------|-------------|
| T 1         | 14 31 36             | 9836'16              | 11 <b>M</b> 5          | 29843         | 5 <b>Υ</b> 17         | 10耳 6          | 14°R40         | 15°R 3         | 16 <b>∺</b> 27 | 15 <b>Ω</b> 23 | 9 <b>9</b> 22 | 19°R28          | 17 <b>m</b> 59  | 23 <b>Y</b> 26 | 18 <b>Y</b> 17 | T 1         |
| W 2         | 14 35 32             | 10°34'27             | 26°15                  | 1 <b>II</b> 0 | 6°29                  | 10°46          | 14ML32         | 14 <b>Ω</b> 59 | 16°30          | 15°23          | 9°22          | 19 <b>m</b> 21  | 17°56           | 23°33          | 18°20          | W 2         |
| T 3         | 14 39 29             | 11°32'38             | 11 🗷 10                | 2°13          | 7°41                  | 11°26          | 14°24          | 14°56          | 16°32          | 15°24          | 9°23          | 19°13           | 17°53           | 23°40          | 18°23          | T 3         |
| F 4<br>S 5  | 14 43 25<br>14 47 22 | 12°30'47<br>13°28'54 | 25°42<br>9 <b>♂</b> 47 | 3°22<br>4°25  | 8°52<br>10° 4         | 12° 7<br>12°47 | 14°17<br>14° 9 | 14°52<br>14°48 | 16°34<br>16°37 | 15°24<br>15°24 | 9°24<br>9°25  | 19° 5<br>18°59  | 17°50<br>17°47  | 23°46<br>23°53 | 18°27<br>18°30 | F 4<br>S 5  |
|             |                      |                      | _                      |               | _                     |                | _              | _              |                |                |               |                 |                 |                |                |             |
| S 6         | 14 51 18             | 14°27'00             | 23°21                  | 5°25          | 11°16                 | 13°27          | 14° 1          | 14°44          | 16°39          | 15°24          | 9°26          | 18°55           | 17°43           | 24° 0          | 18°33          | S 6         |
| M 7         | 14 55 15             | 15°25'04             | 6≈27                   | 6°19<br>7°9   | 12°28                 | 14° 8<br>14°48 | 13°54          | 14°40          | 16°41          | 15°25          | 9°27          | 18°53           | 17°40           | 24° 6          | 18°36          | M 7<br>T 8  |
| T 8<br>W 9  | 14 59 11<br>15 3 8   | 16°23'07<br>17°21'09 | 19° 8<br>1 <b>)</b> 28 | 7° 54         | 13°39<br>14°51        | 14°48<br>15°28 | 13°46<br>13°38 | 14°37<br>14°33 | 16°43<br>16°45 | 15°25<br>15°25 | 9°28<br>9°29  | 18°D52<br>18°53 | 17°37<br>17°34  | 24°13<br>24°20 | 18°40<br>18°43 | W 9         |
| T 10        | 15 7 5               | 18°19'09             | 13°33                  | 8°34          | 16° 3                 | 16° 8          | 13°31          | 14°30          | 16°47          | 15°26          | 9°30          | 18°R54          | 17°31           | 24°26          | 18°46          | T 10        |
| F 11        | 15 11 1              | 19°17'08             | 25°28                  | 9° 9          | 17°15                 | 16°48          | 13°23          | 14°26          | 16°49          | 15°26          | 9°31          | 18°54           | 17°28           | 24°33          | 18°49          | F 11        |
| S 12        | 15 14 58             | 20°15'06             | 7 <b>Υ</b> 16          | 9°38          | 18°27                 | 17°28          | 13°16          | 14°23          | 16°51          | 15°27          | 9°32          | 18°52           | 17°24           | 24°40          | 18°52          | S 12        |
| S 13        | 15 18 54             | 21°13'02             | 19° 3                  | 10° 3         | 19°39                 | 18° 8          | 13° 8          | 14°20          | 16°53          | 15°27          | 9°33          | 18°48           | 17°21           | 24°46          | 18°55          | S 13        |
| M14         | 15 22 51             | 22°10'57             | 0852                   | 10°23         | 20°51                 | 18°48          | 13° 1          | 14°17          | 16°55          | 15°28          | 9°34          | 18°41           | 17°18           | 24°53          | 18°59          | M14         |
| T 15        | 15 26 47             | 23° 8'50             | 12°45                  | 10°38         | 22° 3                 | 19°28          | 12°53          | 14°14          | 16°57          | 15°28          | 9°35          | 18°32           | 17°15           | 25° 0          | 19° 2          | T 15        |
| W16         | 15 30 44             | 24° 6'42             | 24°44                  | 10°48         | 23°15                 | 20° 8          | 12°46          | 14°11          | 16°59          | 15°29          | 9°36          | 18°21           | 17°12           | 25° 6          | 19° 5          | W16         |
| T 17        | 15 34 40             | 25° 4'33             | 6 <b>I</b> I51         | 10°53         | 24°27                 | 20°48          | 12°38          | 14° 8          | 17° 0          | 15°30          | 9°37          | 18° 9           | 17° 8           | 25°13          | 19° 8          | T 17        |
| F 18        | 15 38 37             | 26° 2'22             | 19° 7                  | 10°R53        | 25°39                 | 21°28          | 12°31          | 14° 5          | 17° 2          | 15°30          | 9°39          | 17°56           | 17° 5           | 25°20          | 19°11          | F 18        |
| S 19        | 15 42 34             | 27° 0'09             | 1932                   | 10°49         | 26°51                 | 22° 8          | 12°24          | 14° 2          | 17° 4          | 15°31          | 9°40          | 17°45           | 17° 2           | 25°26          | 19°14          | S 19        |
| S 20        | 15 46 30             | 27°57'55             | 14° 8                  | 10°39         | 28° 3                 | 22°48          | 12°17          | 13°59          | 17° 5          | 15°32          | 9°41          | 17°36           | 16°59           | 25°33          | 19°17          | S 20        |
| M21         | 15 50 27             | 28°55'40             | 26°56                  | 10°26         | 29°15                 | 23°28          | 12°10          | 13°57          | 17° 7          | 15°32          | 9°42          | 17°30           | 16°56           | 25°40          | 19°20          | M21         |
| T 22<br>W23 | 15 54 23<br>15 58 20 | 29°53'23<br>0Ⅲ51'04  | 9 <b>Ω</b> 59<br>23°17 | 10° 9<br>9°47 | 0 <b>8</b> 28<br>1°40 | 24° 8<br>24°47 | 12° 3<br>11°56 | 13°54<br>13°52 | 17° 9<br>17°10 | 15°33<br>15°34 | 9°43<br>9°45  | 17°26<br>17°25  | 16°53<br>16°49  | 25°46<br>25°53 | 19°22<br>19°25 | T 22<br>W23 |
| T 24        | 16 2 16              | 1°48'44              | 6m 54                  | 9°23          | 2°52                  | 25°27          | 11°49          | 13°49          | 17 10<br>17°11 | 15°35          | 9°45<br>9°46  | 17°D25          | 16°46           | 25° 35         | 19°28          | T 24        |
| F 25        | 16 6 13              | 2°46'22              | 20°51                  | 8°56          | 4° 4                  | 26° 7          | 11°42          | 13°47          | 17°13          | 15°36          | 9°47          | 17°R25          | 16°43           | 26° 6          | 19°31          | F 25        |
| S 26        | 16 10 9              | 3°43'58              | 5 <u>₽</u> 9           | 8°26          | 5°16                  | 26°47          | 11°35          | 13°45          | 17°14          | 15°37          | 9°48          | 17°24           | 16°40           | 26°13          | 19°34          | S 26        |
| S 27        | 16 14 6              | 4°41'33              | 19°45                  | 7°54          | 6°28                  | 27°26          | 11°29          | 13°43          | 17°16          | 15°38          | 9°50          | 17°21           | 16°37           | 26°20          | 19°36          | S 27        |
| M28         | 16 18 2              | 5°39'07              | 4 <b>m</b> .37         | 7°21          | 7°41                  | 28° 6          | 11°22          | 13°41          | 17°17          | 15°39          | 9°51          | 17°15           | 16°33           | 26°26          | 19°39          | M28         |
| T 29        | 16 21 59             | 6°36'39              | 19°37                  | 6°48          | 8°53                  | 28°45          | 11°16          | 13°39          | 17°18          | 15°40          | 9°52          | 17° 7           | 16°30           | 26°33          | 19°42          | T 29        |
| W30         | 16 25 56             | 7°34'10              | 4 <b>₹</b> 36          | 6°14          | 10° 5                 | 29°25          | 11°10          | 13°37          | 17°19          | 15°41          | 9°53          | 16°57           | 16°27           | 26°40          | 19°44          | W30         |
| T 31        | 16 29 52             | 8耳31'40              | 19 <b>×</b> 25         | 5 <b>Ⅱ</b> 40 | 11817                 | 09 4           | 11 <b>M</b> 4  | 13 <b>≏</b> 36 | 17 <b>∺</b> 20 | 15 <b>Ω</b> 42 | 9955          | 16 <b>M</b> )46 | 16 <b>M</b> )24 | 26 <b>Y</b> 46 | 19 <b>Ƴ</b> 47 | T 31        |

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| Day  | Sid.t    | 0                 | D               | ğ              | φ     | ♂     | 4              | ħ              | )f(             | ħ              | В     | v               | v               | Ç              | ę,             | Day  |
|------|----------|-------------------|-----------------|----------------|-------|-------|----------------|----------------|-----------------|----------------|-------|-----------------|-----------------|----------------|----------------|------|
| F 1  | 16 33 49 | 9∏29'10           | 3 <b>ප</b> 55   | 5°R 8          | 12830 | 09544 | 10°R58         | 13°R34         | 17 <b>)</b> (21 | 15 <b>Ω</b> 43 | 9956  | 16°R35          | 16 <b>m</b> 21  | 26 <b>Y</b> 53 | 19 <b>Y</b> 50 | F 1  |
| S 2  | 16 37 45 | 10°26'38          | 18° 1           | 4 <b>Ⅱ</b> 37  | 13°42 | 1°23  | 10 <b>M</b> 52 | 13 <b>≏</b> 32 | 17°22           | 15°44          | 9°57  | 16 <b>M</b> )26 | 16°18           | 27° 0          | 19°52          | S 2  |
| S 3  | 16 41 42 | 11°24'05          | 1≈39            | 4° 8           | 14°54 | 2° 3  | 10°46          | 13°31          | 17°23           | 15°45          | 9°59  | 16°19           | 16°14           | 27° 6          | 19°55          | S 3  |
| M 4  | 16 45 38 | 12°21'32          | 14°48           | 3°42           | 16° 7 | 2°42  | 10°40          | 13°30          | 17°24           | 15°46          | 10° 0 | 16°15           | 16°11           | 27°13          | 19°57          | M 4  |
| T 5  | 16 49 35 | 13°18'57          | 27°33           | 3°19           | 17°19 | 3°22  | 10°35          | 13°28          | 17°25           | 15°47          | 10° 1 | 16°13           | 16° 8           | 27°20          | 20° 0          | T 5  |
| W 6  | 16 53 32 | 14°16'22          | 9 <b>∺</b> 55   | 2°59           | 18°32 | 4° 1  | 10°30          | 13°27          | 17°26           | 15°49          | 10° 3 | 16°12           | 16° 5           | 27°27          | 20° 2          | W 6  |
| T 7  | 16 57 28 | 15°13'47          | 22° 1           | 2°43           | 19°44 | 4°40  | 10°24          | 13°26          | 17°27           | 15°50          | 10° 4 | 16°12           | 16° 2           | 27°33          | 20° 4          | T 7  |
| F 8  | 17 1 25  | 16°11'11          | <b>3</b> Υ56    | 2°30           | 20°57 | 5°20  | 10°19          | 13°25          | 17°28           | 15°51          | 10° 6 | 16°12           | 15°59           | 27°40          | 20° 7          | F 8  |
| S 9  | 17 5 21  | 17° 8'34          | 15°46           | 2°22           | 22° 9 | 5°59  | 10°14          | 13°24          | 17°28           | 15°53          | 10° 7 | 16° 9           | 15°55           | 27°47          | 20° 9          | S 9  |
| S 10 | 17 9 18  | 18° 5'56          | 27°34           | 2°D18          | 23°22 | 6°38  | 10°10          | 13°24          | 17°29           | 15°54          | 10° 8 | 16° 5           | 15°52           | 27°53          | 20°11          | S 10 |
| M11  | 17 13 14 | 19° 3'19          | 9 <b>8</b> 26   | 2°19           | 24°34 | 7°17  | 10° 5          | 13°23          | 17°30           | 15°55          | 10°10 | 15°58           | 15°49           | 28° 0          | 20°13          | M11  |
| T 12 | 17 17 11 | 20° 0'40          | 21°24           | 2°24           | 25°47 | 7°57  | 10° 1          | 13°23          | 17°30           | 15°57          | 10°11 | 15°48           | 15°46           | 28° 7          | 20°15          | T 12 |
| W13  | 17 21 7  | 20°58'01          | 3 <b>Ⅱ</b> 32   | 2°33           | 26°59 | 8°36  | 9°56           | 13°22          | 17°31           | 15°58          | 10°13 | 15°36           | 15°43           | 28°13          | 20°17          | W13  |
| T 14 | 17 25 4  | 21°55'21          | 15°50           | 2°47           | 28°12 | 9°15  | 9°52           | 13°22          | 17°31           | 15°59          | 10°14 | 15°22           | 15°39           | 28°20          | 20°20          | T 14 |
| F 15 | 17 29 1  | 22°52'41          | 28°20           | 3° 6           | 29°24 | 9°54  | 9°48           | 13°21          | 17°32           | 16° 1          | 10°16 | 15° 9           | 15°36           | 28°27          | 20°22          | F 15 |
| S 16 | 17 32 57 | 23°50'00          | 1195 2          | 3°29           | 0耳37  | 10°33 | 9°44           | 13°21          | 17°32           | 16° 2          | 10°17 | 14°57           | 15°33           | 28°33          | 20°24          | S 16 |
| S 17 | 17 36 54 | 24°47'19          | 23°55           | 3°57           | 1°50  | 11°12 | 9°41           | 13°D21         | 17°32           | 16° 4          | 10°18 | 14°47           | 15°30           | 28°40          | 20°25          | S 17 |
| M18  | 17 40 50 | 25°44'36          | $7\Omega$ 0     | 4°29           | 3° 2  | 11°52 | 9°37           | 13°21          | 17°33           | 16° 5          | 10°20 | 14°40           | 15°27           | 28°47          | 20°27          | M18  |
| T 19 | 17 44 47 | 26°41'53          | 20°16           | 5° 5           | 4°15  | 12°31 | 9°34           | 13°22          | 17°33           | 16° 7          | 10°21 | 14°36           | 15°24           | 28°53          | 20°29          | T 19 |
| W20  | 17 48 43 | 27°39'10          | 3 <b>m</b> 44   | 5°46           | 5°28  | 13°10 | 9°31           | 13°22          | 17°33           | 16° 9          | 10°23 | 14°34           | 15°20           | 29° 0          | 20°31          | W20  |
| T 21 | 17 52 40 | 28°36'25          | 17°25           | 6°31           | 6°40  | 13°49 | 9°28           | 13°22          | 17°33           | 16°10          | 10°24 | 14°D34          | 15°17           | 29° 7          | 20°33          | T 21 |
| F 22 | 17 56 36 | 29°33'40          | 1 <b>≏</b> 19   | 7°20           | 7°53  | 14°28 | 9°25           | 13°23          | 17°33           | 16°12          | 10°26 | 14°R34          | 15°14           | 29°13          | 20°34          | F 22 |
| S 23 | 18 0 33  | 0930'54           | 15°27           | 8°13           | 9° 6  | 15° 7 | 9°22           | 13°23          | 17°R33          | 16°14          | 10°27 | 14°33           | 15°11           | 29°20          | 20°36          | S 23 |
| S 24 | 18 430   | 1°28'07           | 29°48           | 9°10           | 10°19 | 15°46 | 9°20           | 13°24          | 17°33           | 16°15          | 10°29 | 14°31           | 15° 8           | 29°27          | 20°38          | S 24 |
| M25  | 18 8 26  | 2°25'19           | 14 <b>M</b> .19 | 10°11          | 11°31 | 16°24 | 9°17           | 13°25          | 17°33           | 16°17          | 10°30 | 14°26           | 15° 5           | 29°33          | 20°39          | M25  |
| T 26 | 18 12 23 | 3°22'32           | 28°55           | 11°16          | 12°44 | 17° 3 | 9°15           | 13°25          | 17°33           | 16°19          | 10°32 | 14°18           | 15° 1           | 29°40          | 20°41          | T 26 |
| W27  | 18 16 19 | 4°19'43           | 13 <b>×</b> 32  | 12°25          | 13°57 | 17°42 | 9°13           | 13°26          | 17°33           | 16°20          | 10°33 | 14° 9           | 14°58           | 29°47          | 20°42          | W27  |
| T 28 | 18 20 16 | 5°16'55           | 28° 1           | 13°38          | 15°10 | 18°21 | 9°11           | 13°27          | 17°33           | 16°22          | 10°35 | 13°59           | 14°55           | 29°54          | 20°44          | T 28 |
| F 29 | 18 24 12 | 6°14'06           | 12 <b>る</b> 15  | 14°54          | 16°23 | 19° 0 | 9°10           | 13°29          | 17°32           | 16°24          | 10°36 | 13°49           | 14°52           | 0 <b>8</b> 0   | 20°45          | F 29 |
| S 30 | 18 28 9  | 7 <b>9</b> 311'17 | 26 <b>궁</b> 10  | 16 <b>Ⅱ</b> 14 | 17耳36 | 19939 | 9 <b>™</b> 8   | 13 <b>₾</b> 30 | 17 <b>)</b> 32  | 16№26          | 10938 | 13 <b>m</b> 40  | 14 <b>M</b> )49 | 08 7           | 20 <b>Y</b> 46 | S 30 |

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| Day  | Sid.t    | 0                | D               | ğ              | Ŷ              | ð             | 4              | ħ              | )∤(            | ¥              | Р      | ß              | Ω              | Ç             | ę,             | Day  |
|------|----------|------------------|-----------------|----------------|----------------|---------------|----------------|----------------|----------------|----------------|--------|----------------|----------------|---------------|----------------|------|
| S 1  | 18 32 5  | 89 8'28          | 9≈42            | 17 <b>Ⅲ</b> 38 | 18 <b>Ⅱ</b> 49 | 209518        | 9°R 7          | 13 <b>≏</b> 31 | 17°R32         | 16 <b>Ω</b> 28 | 10939  | 13°R33         | 14 <b>M</b> 45 | 0 <b>8</b> 14 | 20 <b>Y</b> 48 | S 1  |
| M 2  | 18 36 2  | 9° 5'38          | 22°49           | 19° 5          | 20° 2          | 20°56         | 9 <b>M</b> 6   | 13°33          | 17 <b>米</b> 31 | 16°29          | 10°41  | 13 <b>m</b> 29 | 14°42          | 0°20          | 20°49          | M 2  |
| T 3  | 18 39 59 | 10° 2'49         | 5 <b>)</b> €33  | 20°36          | 21°14          | 21°35         | 9° 5           | 13°34          | 17°31          | 16°31          | 10°42  | 13°27          | 14°39          | 0°27          | 20°50          | T 3  |
| W 4  | 18 43 55 | 11° 0'00         | 17°57           | 22°10          | 22°27          | 22°14         | 9° 5           | 13°36          | 17°31          | 16°33          | 10°44  | 13°D27         | 14°36          | 0°34          | 20°51          | W 4  |
| T 5  | 18 47 52 | 11°57'12         | 0 <b>Υ</b> 5    | 23°48          | 23°41          | 22°53         | 9° 4           | 13°38          | 17°30          | 16°35          | 10°45  | 13°28          | 14°33          | 0°40          | 20°52          | T 5  |
| F 6  | 18 51 48 | 12°54'23         | 12° 1           | 25°29          | 24°54          | 23°31         | 9° 4           | 13°39          | 17°29          | 16°37          | 10°47  | 13°R28         | 14°30          | 0°47          | 20°53          | F 6  |
| S 7  | 18 55 45 | 13°51'35         | 23°53           | 27°14          | 26° 7          | 24°10         | 9°D 4          | 13°41          | 17°29          | 16°39          | 10°48  | 13°28          | 14°26          | 0°54          | 20°54          | S 7  |
| S 8  | 18 59 41 | 14°48'47         | 5 <b>8</b> 43   | 29° 1          | 27°20          | 24°49         | 9° 4           | 13°43          | 17°28          | 16°41          | 10°50  | 13°25          | 14°23          | 1° 0          | 20°55          | S 8  |
| M 9  | 19 3 38  | 15°46'00         | 17°38           | 0ഇ52           | 28°33          | 25°27         | 9° 4           | 13°46          | 17°27          | 16°43          | 10°52  | 13°21          | 14°20          | 1° 7          | 20°56          | M 9  |
| T 10 | 19 7 34  | 16°43'13         | 29°41           | 2°46           | 29°46          | 26° 6         | 9° 4           | 13°48          | 17°27          | 16°45          | 10°53  | 13°14          | 14°17          | 1°14          | 20°57          | T 10 |
| W11  | 19 11 31 | 17°40'26         | 11 <b>II</b> 56 | 4°42           | 0959           | 26°45         | 9° 5           | 13°50          | 17°26          | 16°47          | 10°55  | 13° 6          | 14°14          | 1°20          | 20°58          | W11  |
| T 12 | 19 15 28 | 18°37'40         | 24°26           | 6°40           | 2°12           | 27°23         | 9° 6           | 13°52          | 17°25          | 16°49          | 10°56  | 12°56          | 14°11          | 1°27          | 20°59          | T 12 |
| F 13 | 19 19 24 | 19°34'54         | 7 <b>9</b> 510  | 8°41           | 3°26           | 28° 2         | 9° 6           | 13°55          | 17°24          | 16°51          | 10°58  | 12°47          | 14° 7          | 1°34          | 20°59          | F 13 |
| S 14 | 19 23 21 | 20°32'09         | 20°10           | 10°44          | 4°39           | 28°41         | 9° 8           | 13°58          | 17°23          | 16°53          | 10°59  | 12°38          | 14° 4          | 1°40          | 21° 0          | S 14 |
| S 15 | 19 27 17 | 21°29'23         | 3 <b>Ω</b> 24   | 12°49          | 5°52           | 29°19         | 9° 9           | 14° 0          | 17°22          | 16°55          | 11° 1  | 12°31          | 14° 1          | 1°47          | 21° 0          | S 15 |
| M16  | 19 31 14 | 22°26'38         | 16°51           | 14°55          | 7° 5           | 29°58         | 9°10           | 14° 3          | 17°21          | 16°57          | 11° 2  | 12°26          | 13°58          | 1°54          | 21° 1          | M16  |
| T 17 | 19 35 10 | 23°23'54         | 0 <b>m</b> 29   | 17° 2          | 8°19           | 0 <b>Ω</b> 36 | 9°12           | 14° 6          | 17°20          | 16°59          | 11° 4  | 12°24          | 13°55          | 2° 1          | 21° 1          | T 17 |
| W18  | 19 39 7  | 24°21'09         | 14°16           | 19° 9          | 9°32           | 1°15          | 9°14           | 14° 9          | 17°19          | 17° 1          | 11° 5  | 12°D23         | 13°51          | 2° 7          | 21° 2          | W18  |
| T 19 | 19 43 3  | 25°18'24         | 28°12           | 21°17          | 10°45          | 1°53          | 9°16           | 14°12          | 17°18          | 17° 3          | 11° 6  | 12°24          | 13°48          | 2°14          | 21° 2          | T 19 |
| F 20 | 19 47 0  | 26°15'40         | 12 <b>≏</b> 14  | 23°26          | 11°59          | 2°32          | 9°18           | 14°15          | 17°16          | 17° 5          | 11° 8  | 12°25          | 13°45          | 2°21          | 21° 3          | F 20 |
| S 21 | 19 50 57 | 27°12'56         | 26°22           | 25°34          | 13°12          | 3°10          | 9°20           | 14°18          | 17°15          | 17° 7          | 11° 9  | 12°R26         | 13°42          | 2°27          | 21° 3          | S 21 |
| S 22 | 19 54 53 | 28°10'12         | 10 <b>M</b> 35  | 27°42          | 14°26          | 3°49          | 9°23           | 14°22          | 17°14          | 17° 9          | 11°11  | 12°25          | 13°39          | 2°34          | 21° 3          | S 22 |
| M23  | 19 58 50 | 29° 7'29         | 24°50           | 29°49          | 15°39          | 4°27          | 9°26           | 14°25          | 17°13          | 17°11          | 11°12  | 12°23          | 13°36          | 2°41          | 21° 3          | M23  |
| T 24 | 20 2 46  | 0 <b>Ω</b> 4'45  | 9 <b>才</b> 4    | 1 <b>Ω</b> 55  | 16°53          | 5° 6          | 9°28           | 14°28          | 17°11          | 17°14          | 11°14  | 12°18          | 13°32          | 2°47          | 21° 3          | T 24 |
| W25  | 20 6 43  | 1° 2'02          | 2 <u>3</u> °14  | 4° 1           | 18° 6          | 5°44          | 9°31           | 14°32          | 17°10          | 17°16          | 11°15  | 12°13          | 13°29          | 2°54          | 21° 3          | W25  |
| T 26 | 20 10 39 | 1°59'20          | 7 <b>궁</b> 16   | 6° 5           | 19°20          | 6°23          | 9°35           | 14°36          | 17° 8          | 17°18          | 11°17  | 12° 7          | 13°26          | 3° 1          | 21°R 3         | T 26 |
| F 27 | 20 14 36 | 2°56'38          | 21° 6           | 8° 8           | 20°33          | 7° 1          | 9°38           | 14°39          | 17° 7          | 17°20          | 11°18  | 12° 1          | 13°23          | 3° 7          | 21° 3          | F 27 |
| S 28 | 20 18 32 | 3°53'57          | 4 <b>≈</b> 39   | 10° 9          | 21°47          | 7°39          | 9°42           | 14°43          | 17° 5          | 17°22          | 11°20  | 11°55          | 13°20          | 3°14          | 21° 3          | S 28 |
| S 29 | 20 22 29 | 4°51'17          | 17°55           | 12°10          | 23° 0          | 8°18          | 9°45           | 14°47          | 17° 4          | 17°24          | 11°21  | 11°51          | 13°17          | 3°21          | 21° 3          | S 29 |
| M30  | 20 26 26 | 5°48'37          | 0 <b>¥</b> 52   | 14° 8          | 24°14          | 8°56          | 9°49           | 14°51          | 17° 2          | 17°27          | 11°22  | 11°49          | 13°13          | 3°28          | 21° 3          | M30  |
| T 31 | 20 30 22 | 6 <b>Ω</b> 45'58 | 13 <b>米</b> 30  | 16 <b>N</b> 5  | 25928          | 9 <b>Ω</b> 35 | 9 <b>IL</b> 53 | 14 <b>≏</b> 55 | 17 <b>米</b> 1  | 17 <b>Ω</b> 29 | 119524 | 11°D49         | 13 Mp 10       | 3 <b>8</b> 34 | 21 <b>°</b> 3  | T 31 |

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|------|----------|------------------|----------------|---------------|----------------|----------------|-----------------|----------------|----------------|----------------|--------|----------------|---------------|---------------|----------------|------|
| W 1  | 20 34 19 | 7 <b>Ω</b> 43'20 | 25 <b>米</b> 51 | 18 <b>Ω</b> 1 | 26941          | 10 <b>Ω</b> 13 | 9 <b>M</b> 57   | 14 <b>≏</b> 59 | 16°R59         | 17 <b>£</b> 31 | 119925 | 11 <b>m</b> 50 | 13 <b>m</b> 7 | 3 <b>8</b> 41 | 21°R 2         | W 1  |
| T 2  | 20 38 15 | 8°40'43          | 7 <b>Υ</b> 58  | 19°55         | 27°55          | 10°51          | 10° 2           | 15° 3          | 16 <b>∺</b> 57 | 17°33          | 11°26  | 11°51          | 13° 4         | 3°48          | 21 <b>°</b> 2  | T 2  |
| F 3  | 20 42 12 | 9°38'08          | 19°55          | 21°47         | 29° 9          | 11°30          | 10° 6           | 15° 8          | 16°56          | 17°35          | 11°28  | 11°53          | 13° 1         | 3°54          | 21° 2          | F 3  |
| S 4  | 20 46 8  | 10°35'33         | 1848           | 23°38         | 0 <b>Ω</b> 22  | 12° 8          | 10°11           | 15°12          | 16°54          | 17°38          | 11°29  | 11°54          | 12°57         | 4° 1          | 21° 1          | S 4  |
| S 5  | 20 50 5  | 11°33'00         | 13°39          | 25°27         | 1°36           | 12°46          | 10°16           | 15°16          | 16°52          | 17°40          | 11°31  | 11°R54         | 12°54         | 4° 8          | 21° 1          | S 5  |
| M 6  | 20 54 1  | 12°30'28         | 25°36          | 27°15         | 2°50           | 13°25          | 10°21           | 15°21          | 16°50          | 17°42          | 11°32  | 11°54          | 12°51         | 4°14          | 21° 0          | M 6  |
| T 7  | 20 57 58 | 13°27'57         | 7 <b>Ⅱ</b> 41  | 29° 1         | 4° 4           | 14° 3          | 10°26           | 15°26          | 16°48          | 17°44          | 11°33  | 11°51          | 12°48         | 4°21          | 20°59          | T 7  |
| W 8  | 21 1 55  | 14°25'28         | 20° 0          | 0 <b>m</b> 45 | 5°18           | 14°41          | 10°31           | 15°30          | 16°46          | 17°46          | 11°35  | 11°48          | 12°45         | 4°28          | 20°59          | W 8  |
| T 9  | 21 5 51  | 15°23'00         | 2935           | 2°28          | 6°32           | 15°19          | 10°37           | 15°35          | 16°44          | 17°49          | 11°36  | 11°44          | 12°42         | 4°34          | 20°58          | T 9  |
| F 10 | 21 9 48  | 16°20'33         | 15°29          | 4° 9          | 7°46           | 15°58          | 10°42           | 15°40          | 16°43          | 17°51          | 11°37  | 11°40          | 12°38         | 4°41          | 20°57          | F 10 |
| S 11 | 21 13 44 | 17°18'07         | 28°42          | 5°49          | 9° 0           | 16°36          | 10°48           | 15°45          | 16°41          | 17°53          | 11°38  | 11°37          | 12°35         | 4°48          | 20°56          | S 11 |
| S 12 | 21 17 41 | 18°15'43         | 12 <b>Ω</b> 15 | 7°27          | 10°13          | 17°14          | 10°54           | 15°50          | 16°39          | 17°55          | 11°40  | 11°34          | 12°32         | 4°55          | 20°55          | S 12 |
| M13  | 21 21 37 | 19°13'20         | 26° 5          | 9° 4          | 11°27          | 17°53          | 11° 0           | 15°55          | 16°37          | 17°58          | 11°41  | 11°32          | 12°29         | 5° 1          | 20°55          | M13  |
| T 14 | 21 25 34 | 20°10'58         | 10 <b>m</b> 8  | 10°39         | 12°42          | 18°31          | 11° 6           | 16° 0          | 16°34          | 18° 0          | 11°42  | 11°D31         | 12°26         | 5° 8          | 20°54          | T 14 |
| W15  | 21 29 30 | 21° 8'37         | 24°22          | 12°13         | 13°56          | 19° 9          | 11°13           | 16° 5          | 16°32          | 18° 2          | 11°43  | 11°32          | 12°23         | 5°15          | 20°53          | W15  |
| T 16 | 21 33 27 | 22° 6'17         | 8 <b>≏</b> 42  | 13°45         | 15°10          | 19°47          | 11°19           | 16°10          | 16°30          | 18° 4          | 11°45  | 11°33          | 12°19         | 5°21          | 20°51          | T 16 |
| F 17 | 21 37 24 | 23° 3'58         | 23° 3          | 15°15         | 16°24          | 20°26          | 11°26           | 16°15          | 16°28          | 18° 6          | 11°46  | 11°34          | 12°16         | 5°28          | 20°50          | F 17 |
| S 18 | 21 41 20 | 24° 1'40         | 7 <b>M</b> 23  | 16°44         | 17°38          | 21° 4          | 11°32           | 16°21          | 16°26          | 18° 9          | 11°47  | 11°35          | 12°13         | 5°35          | 20°49          | S 18 |
| S 19 | 21 45 17 | 24°59'24         | 21°37          | 18°12         | 18°52          | 21°42          | 11°39           | 16°26          | 16°24          | 18°11          | 11°48  | 11°R36         | 12°10         | 5°41          | 20°48          | S 19 |
| M20  | 21 49 13 | 25°57'08         | 5 <b>₹</b> 45  | 19°38         | 20° 6          | 22°20          | 11°46           | 16°31          | 16°22          | 18°13          | 11°49  | 11°35          | 12° 7         | 5°48          | 20°47          | M20  |
| T 21 | 21 53 10 | 26°54'54         | 19°44          | 21° 2         | 21°20          | 22°58          | 11°53           | 16°37          | 16°19          | 18°15          | 11°50  | 11°35          | 12° 3         | 5°55          | 20°45          | T 21 |
| W22  | 21 57 6  | 27°52'40         | 3 <b>云</b> 32  | 22°25         | 22°34          | 23°37          | 12° 1           | 16°43          | 16°17          | 18°17          | 11°52  | 11°33          | 12° 0         | 6° 1          | 20°44          | W22  |
| T 23 | 22 1 3   | 28°50'28         | 17° 8          | 23°46         | 23°49          | 24°15          | 12° 8           | 16°48          | 16°15          | 18°20          | 11°53  | 11°32          | 11°57         | 6° 8          | 20°43          | T 23 |
| F 24 | 22 4 59  | 29°48'17         | 0≈32           | 25° 5         | 25° 3          | 24°53          | 12°16           | 16°54          | 16°13          | 18°22          | 11°54  | 11°30          | 11°54         | 6°15          | 20°41          | F 24 |
| S 25 | 22 8 56  | 0 <b>™</b> 46′07 | 13°41          | 26°23         | 26°17          | 25°31          | 12°23           | 17° 0          | 16°10          | 18°24          | 11°55  | 11°29          | 11°51         | 6°22          | 20°40          | S 25 |
| S 26 | 22 12 53 | 1°43'59          | 26°35          | 27°38         | 27°31          | 26° 9          | 12°31           | 17° 5          | 16° 8          | 18°26          | 11°56  | 11°28          | 11°48         | 6°28          | 20°38          | S 26 |
| M27  | 22 16 49 | 2°41'52          | 9 <b>米</b> 16  | 28°52         | 28°46          | 26°48          | 12°39           | 17°11          | 16° 6          | 18°28          | 11°57  | 11°D28         | 11°44         | 6°35          | 20°36          | M27  |
| T 28 | 22 20 46 | 3°39'47          | 21°42          | 0요 4          | 0 <b>m</b> y 0 | 27°26          | 12°47           | 17°17          | 16° 4          | 18°31          | 11°58  | 11°28          | 11°41         | 6°42          | 20°35          | T 28 |
| W29  | 22 24 42 | 4°37'43          | <b>3Υ</b> 56   | 1°15          | 1°14           | 28° 4          | 12°55           | 17°23          | 16° 1          | 18°33          | 11°59  | 11°28          | 11°38         | 6°48          | 20°33          | W29  |
| T 30 | 22 28 39 | 5°35'41          | 15°59          | 2°23          | 2°29           | 28°42          | 13° 4           | 17°29          | 15°59          | 18°35          | 12° 0  | 11°29          | 11°35         | 6°55          | 20°31          | T 30 |
| F 31 | 22 32 35 | 6 <b>m</b> 33'41 | 27 <b>Y</b> 55 | 3 <b>₾</b> 28 | 3 <b>m</b> 43  | 29 <b>Ω</b> 20 | 13 <b>M</b> .12 | 17 <b>≏</b> 35 | 15 <b>¥</b> 56 | 18 <b>Ω</b> 37 | 1295 1 | 11 <b>m</b> 29 | 11 Mp 32      | 7 <b>と</b> 2  | 20 <b>Y</b> 30 | F 31 |

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SEPTEMBER 1923 00:00 UT

| Day          | Sid.t                | 0                            | D                             | ğ              | φ                     | ♂              | 4               | ħ              | )ұ(            | ¥              | В              | n                | Ω               | Ç            | ę,             | Day          |
|--------------|----------------------|------------------------------|-------------------------------|----------------|-----------------------|----------------|-----------------|----------------|----------------|----------------|----------------|------------------|-----------------|--------------|----------------|--------------|
| S 1          | 22 36 32             | 7 <b>m</b> 31'43             | 9 <b>8</b> 47                 | 4 <b>₽</b> 32  | 4 <b>m</b> 57         | 29 <b>Ω</b> 58 | 13 <b>M</b> 21  | 17 <b>≏</b> 41 | 15°R54         | 18 <b>Ω</b> 39 | 1295 2         | 11 <b>M</b> )30  | 11 <b>m</b> )28 | 78 8         | 20°R28         | S 1          |
| S 2          | 22 40 28             | 8°29'47                      | 21°39                         | 5°33           | 6°12                  | 0 <b>m</b> y37 | 13°29           | 17°48          | 15 <b>¥</b> 52 | 18°41          | 12° 3          | 11°30            | 11°25           | 7°15         | 20 <b>Y</b> 26 | S 2          |
| M 3          | 22 44 25             | 9°27'52                      | 3 <b>Ⅱ</b> 34                 | 6°32           | 7°26                  | 1°15           | 13°38           | 17°54          | 15°49          | 18°43          | 12° 4          | 11°30            | 11°22           | 7°22         | 20°24          | M 3          |
| T 4<br>W 5   | 22 48 21<br>22 52 18 | 10°26'00<br>11°24'09         | 15°39<br>27°56                | 7°27<br>8°20   | 8°41<br>9°55          | 1°53<br>2°31   | 13°47<br>13°56  | 18° 0<br>18° 6 | 15°47<br>15°45 | 18°45<br>18°48 | 12° 5<br>12° 6 | 11°R30<br>11°D30 | 11°19<br>11°16  | 7°29<br>7°35 | 20°22<br>20°20 | T 4<br>W 5   |
| T 6          | 22 56 15             | 12°22'21                     | 10931                         | 9°10           | 11°10                 | 3° 9           | 13° 50          | 18°13          | 15°42          | 18°50          | 12° 6          | 11°30            | 11°13           | 7°42         | 20°18          | T 6          |
| F 7          | 23 0 11              | 13°20'34                     | 23°27                         | 9°57           | 12°24                 | 3°48           | 14°14           | 18°19          | 15°40          | 18°52          | 12° 7          | 11°30            | 11° 9           | 7°49         | 20°16          | F 7          |
| S 8          | 23 4 8               | 14°18'50                     | 6 <b>Ω</b> 46                 | 10°40          | 13°39                 | 4°26           | 14°24           | 18°26          | 15°37          | 18°54          | 12° 8          | 11°31            | 11° 6           | 7°55         | 20°14          | S 8          |
| S 9          | 23 8 4               | 15°17'07                     | 20°29                         | 11°20          | 14°53                 | 5° 4           | 14°33           | 18°32          | 15°35          | 18°56          | 12° 9          | 11°31            | 11° 3           | 8° 2         | 20°12          | S 9          |
| M10          | 23 12 1              | 16°15'27                     | 4 Mp 35                       | 11°55          | 16° 8                 | 5°42           | 14°42           | 18°39          | 15°33          | 18°58          | 12°10          | 11°R31           | 11° 0           | 8° 9         | 20°10          | M10          |
| T 11         | 23 15 57             | 17°13'48                     | 19° 0                         | 12°26          | 17°23                 | 6°20           | 14°52           | 18°45          | 15°30          | 19° 0          | 12°10          | 11°31            | 10°57           | 8°15         | 20° 8          | T 11         |
| W12<br>T 13  | 23 19 54<br>23 23 50 | 18°12'11<br>19°10'35         | 3 <u><b>Ω</b></u> 39<br>18°26 | 12°53<br>13°15 | 18°37<br>19°52        | 6°58<br>7°37   | 15° 2<br>15°12  | 18°52<br>18°58 | 15°28<br>15°25 | 19° 2<br>19° 4 | 12°11<br>12°12 | 11°31<br>11°30   | 10°54<br>10°50  | 8°22<br>8°29 | 20° 5<br>20° 3 | W12<br>T 13  |
| F 14         | 23 23 30             | 20° 9'02                     | 3ML13                         | 13°31          | 21° 6                 | 8°15           | 15°22           | 18 38<br>19° 5 | 15°23          | 19° 4          | 12°13          | 11°29            | 10°30<br>10°47  | 8°36         | 20° 3          | F 14         |
| S 15         | 23 31 44             | 21° 7'30                     | 17°53                         | 13°42          | 22°21                 | 8°53           | 15°32           | 19°12          | 15°21          | 19° 8          | 12°13          | 11°28            | 10°44           | 8°42         | 19°59          | S 15         |
| S 16         | 23 35 40             | 22° 6'00                     | 2 <b>~</b> 21                 | 13°R47         | 23°36                 | 9°31           | 15°42           | 19°19          | 15°18          | 19°10          | 12°14          | 11°27            | 10°41           | 8°49         | 19°56          | S 16         |
| M17          | 23 39 37             | 23° 4'31                     | 16°32                         | 13°46          | 24°50                 | 10° 9          | 15°52           | 19°25          | 15°16          | 19°12          | 12°14          | 11°D27           | 10°38           | 8°56         | 19°54          | M17          |
| T 18         | 23 43 33             | 24° 3'04                     | 0 <b>궁</b> 26                 | 13°38          | 26° 5                 | 10°47          | 16° 2           | 19°32          | 15°14          | 19°14          | 12°15          | 11°27            | 10°34           | 9° 2         | 19°52          | T 18         |
| W19          | 23 47 30             | 25° 1'39                     | 14° 2                         | 13°23          | 27°20                 | 11°25          | 16°13           | 19°39          | 15°11          | 19°15          | 12°16          | 11°27            | 10°31           | 9° 9         | 19°49          | W19          |
| T 20<br>F 21 | 23 51 26<br>23 55 23 | 26° 0'15<br>26°58'53         | 27°20<br>10 <b>≈</b> 22       | 13° 2<br>12°33 | 28°34<br>29°49        | 12° 4<br>12°42 | 16°23<br>16°34  | 19°46<br>19°53 | 15° 9<br>15° 6 | 19°17<br>19°19 | 12°16<br>12°17 | 11°28<br>11°30   | 10°28<br>10°25  | 9°16         | 19°47<br>19°44 | T 20<br>F 21 |
| S 22         | 23 55 23 23 23 59 19 | 20°58'53<br>27°57'33         | 10≈22<br>23° 9                | 12°53          | 29°49<br>1 <b>♀</b> 4 | 12°42<br>13°20 | 16°34           | 20° 0          | 15° 6<br>15° 4 | 19°19          | 12°17          | 11°30            | 10°23           | 9°22<br>9°29 | 19°44<br>19°42 | S 22         |
|              |                      |                              |                               |                |                       |                |                 |                | _              | -              |                |                  |                 |              | -              |              |
| S 23         | 0 3 16               | 28°56'14                     | 5 <b>)</b> €43                | 11°14          | 2°19                  | 13°58          | 16°55           | 20° 7          | 15° 2          | 19°23          | 12°18          | 11°R32           | 10°19           | 9°36         | 19°39          | S 23         |
| M24<br>T 25  | 0 7 13<br>0 11 9     | 29°54'58<br>0 <b>♀</b> 53'43 | 18° 6<br>0 <b>⋎</b> 19        | 10°25<br>9°30  | 3°33<br>4°48          | 14°36<br>15°14 | 17° 6<br>17°17  | 20°14<br>20°21 | 15° 0<br>14°57 | 19°25<br>19°26 | 12°18<br>12°19 | 11°32<br>11°31   | 10°15<br>10°12  | 9°43<br>9°49 | 19°37<br>19°34 | M24<br>T 25  |
| W26          | 011 9                | 1°52'30                      | 12°23                         | 8°30           | 6° 3                  | 15°14<br>15°53 | 17°17<br>17°28  | 20°21<br>20°28 | 14°57          | 19°28          | 12°19          | 11°31            | 10°12           | 9°56         | 19°34<br>19°32 | W26          |
| T 27         | 0 19 2               | 2°51'19                      | 24°21                         | 7°26           | 7°18                  | 16°31          | 17°39           | 20°35          | 14°53          | 19°30          | 12°20          | 11°26            | 10° 6           | 10° 3        | 19°29          | T 27         |
| F 28         | 0 22 59              | 3°50'11                      | 6815                          | 6°19           | 8°32                  | 17° 9          | 17°50           | 20°42          | 14°50          | 19°32          | 12°20          | 11°22            | 10° 3           | 10° 9        | 19°26          | F 28         |
| S 29         | 0 26 55              | 4°49'04                      | 18° 6                         | 5°12           | 9°47                  | 17°47          | 18° 1           | 20°49          | 14°48          | 19°33          | 12°20          | 11°18            | 9°59            | 10°16        | 19°24          | S 29         |
| S 30         | 0 30 52              | 5 <b>≙</b> 48'00             | 29 <b>8</b> 57                | 4 <b>º</b> 5   | 11 <b>≏</b> 2         | 18 <b>m</b> 25 | 18 <b>M</b> .13 | 20 <b>ჲ</b> 56 | 14 <b>)</b> 46 | 19 <b>Q</b> 35 | 12921          | 11 <b>m</b> ) 14 | 9 <b>m</b> 56   | 10823        | 19 <b>Y</b> 21 | S 30         |

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| Day  | Sid.t   | 0                | 9               | ğ              | Q-              | ঠ             | 4              | ħ              | ᡟ               | ¥              | Р      | R             | <b>ී</b>      | Ç              | ķ              | Day  |
|------|---------|------------------|-----------------|----------------|-----------------|---------------|----------------|----------------|-----------------|----------------|--------|---------------|---------------|----------------|----------------|------|
| M 1  | 0 34 48 | 6 <b>₽</b> 46'58 | 11 <b>II</b> 52 | 3°R 1          | 12 <b>≏</b> 17  | 19 <b>m</b> 3 | 18 <b>M</b> 24 | 21 <b>♀</b> 3  | 14°R44          | 19 <b>Ω</b> 37 | 129921 | 11°R11        | 9 <b>m</b> 53 | 10829          | 19°R18         | M 1  |
| T 2  | 0 38 45 | 7°45'59          | 23°54           | 2 <b>₾</b> 1   | 13°32           | 19°42         | 18°35          | 21°11          | 14 <b>)</b> (42 | 19°38          | 12°21  | 11 Mp 9       | 9°50          | 10°36          | 19 <b>Υ</b> 16 | T 2  |
| W 3  | 0 42 41 | 8°45'01          | 69 9            | 1° 7           | 14°46           | 20°20         | 18°47          | 21°18          | 14°40           | 19°40          | 12°22  | 11°D 8        | 9°47          | 10°43          | 19°13          | W 3  |
| T 4  | 0 46 38 | 9°44'06          | 18°39           | 0°20           | 16° 1           | 20°58         | 18°59          | 21°25          | 14°38           | 19°41          | 12°22  | 11° 8         | 9°44          | 10°50          | 19°10          | T 4  |
| F 5  | 0 50 35 | 10°43'14         | 1 <b>Ω</b> 30   | 29 m/42        | 17°16           | 21°36         | 19°10          | 21°32          | 14°35           | 19°43          | 12°22  | 11°10         | 9°40          | 10°56          | 19° 8          | F 5  |
| S 6  | 0 54 31 | 11°42'23         | 14°45           | 29°13          | 18°31           | 22°14         | 19°22          | 21°39          | 14°33           | 19°45          | 12°22  | 11°11         | 9°37          | 11° 3          | 19° 5          | S 6  |
| S 7  | 0 58 28 | 12°41'35         | 28°27           | 28°55          | 19°46           | 22°53         | 19°34          | 21°47          | 14°31           | 19°46          | 12°22  | 11°13         | 9°34          | 11°10          | 19° 2          | S 7  |
| M 8  | 1 2 24  | 13°40'49         | 12 <b>M</b> 36  | 28°D48         | 21° 1           | 23°31         | 19°46          | 21°54          | 14°29           | 19°47          | 12°23  | 11°R13        | 9°31          | 11°16          | 18°59          | M 8  |
| T 9  | 1 6 21  | 14°40'06         | 27°10           | 28°51          | 22°16           | 24° 9         | 19°57          | 22° 1          | 14°27           | 19°49          | 12°23  | 11°12         | 9°28          | 11°23          | 18°57          | T 9  |
| W10  | 1 10 17 | 15°39'24         | 12 <b>♀</b> 5   | 29° 5          | 23°30           | 24°47         | 20° 9          | 22° 8          | 14°25           | 19°50          | 12°23  | 11°10         | 9°25          | 11°30          | 18°54          | W10  |
| T 11 | 1 14 14 | 16°38'45         | 27°12           | 29°29          | 24°45           | 25°26         | 20°22          | 22°16          | 14°23           | 19°52          | 12°23  | 11° 6         | 9°21          | 11°37          | 18°51          | T 11 |
| F 12 | 1 18 10 | 17°38'07         | 12 <b>M</b> 23  | 0 <b>₾</b> 3   | 26° 0           | 26° 4         | 20°34          | 22°23          | 14°22           | 19°53          | 12°23  | 11° 0         | 9°18          | 11°43          | 18°48          | F 12 |
| S 13 | 1 22 7  | 18°37'32         | 27°26           | 0°45           | 27°15           | 26°42         | 20°46          | 22°30          | 14°20           | 19°55          | 12°23  | 10°55         | 9°15          | 11°50          | 18°46          | S 13 |
| S 14 | 1 26 4  | 19°36'58         | 12 <b>×</b> 13  | 1°36           | 28°30           | 27°20         | 20°58          | 22°38          | 14°18           | 19°56          | 12°R23 | 10°50         | 9°12          | 11°57          | 18°43          | S 14 |
| M15  | 1 30 0  | 20°36'27         | 26°38           | 2°35           | 29°45           | 27°58         | 21°10          | 22°45          | 14°16           | 19°57          | 12°23  | 10°46         | 9° 9          | 12° 3          | 18°40          | M15  |
| T 16 | 1 33 57 | 21°35'57         | 10 <b>る</b> 38  | 3°40           | 1 <b>M</b> 0    | 28°37         | 21°23          | 22°52          | 14°14           | 19°58          | 12°23  | 10°43         | 9° 5          | 12°10          | 18°37          | T 16 |
| W17  | 1 37 53 | 22°35'28         | 24°12           | 4°52           | 2°15            | 29°15         | 21°35          | 23° 0          | 14°13           | 20° 0          | 12°23  | 10°D43        | 9° 2          | 12°17          | 18°35          | W17  |
| T 18 | 1 41 50 | 23°35'02         | 7≈22            | 6° 8           | 3°30            | 29°53         | 21°47          | 23° 7          | 14°11           | 20° 1          | 12°23  | 10°44         | 8°59          | 12°23          | 18°32          | T 18 |
| F 19 | 1 45 46 | 24°34'37         | 20°12           | 7°29           | 4°45            | 0 <b>ჲ</b> 31 | 22° 0          | 23°14          | 14° 9           | 20° 2          | 12°23  | 10°45         | 8°56          | 12°30          | 18°29          | F 19 |
| S 20 | 1 49 43 | 25°34'14         | 2 <b>)</b> (45  | 8°54           | 6° 0            | 1°10          | 22°12          | 23°22          | 14° 8           | 20° 3          | 12°23  | 10°46         | 8°53          | 12°37          | 18°26          | S 20 |
| S 21 | 1 53 39 | 26°33'52         | 15° 4           | 10°22          | 7°14            | 1°48          | 22°25          | 23°29          | 14° 6           | 20° 4          | 12°22  | 10°R47        | 8°50          | 12°44          | 18°24          | S 21 |
| M22  | 1 57 36 | 27°33'33         | 27°13           | 11°53          | 8°29            | 2°26          | 22°37          | 23°36          | 14° 4           | 20° 5          | 12°22  | 10°45         | 8°46          | 12°50          | 18°21          | M22  |
| T 23 | 2 1 33  | 28°33'15         | 9 <b>Υ</b> 14   | 13°26          | 9°44            | 3° 4          | 22°50          | 23°43          | 14° 3           | 20° 6          | 12°22  | 10°41         | 8°43          | 12°57          | 18°18          | T 23 |
| W24  | 2 5 29  | 29°32'59         | 21°11           | 15° 0          | 10°59           | 3°43          | 23° 3          | 23°51          | 14° 1           | 20° 7          | 12°22  | 10°35         | 8°40          | 13° 4          | 18°16          | W24  |
| T 25 | 2 9 26  | 0 <b>M</b> 32'46 | 3 <b>8</b> 4    | 16°37          | 12°14           | 4°21          | 23°16          | 23°58          | 14° 0           | 20° 9          | 12°22  | 10°27         | 8°37          | 13°10          | 18°13          | T 25 |
| F 26 | 2 13 22 | 1°32'34          | 14°56           | 18°14          | 13°29           | 4°59          | 23°28          | 24° 5          | 13°59           | 20° 9          | 12°21  | 10°17         | 8°34          | 13°17          | 18°10          | F 26 |
| S 27 | 2 17 19 | 2°32'24          | 26°48           | 19°52          | 14°44           | 5°38          | 23°41          | 24°13          | 13°57           | 20°10          | 12°21  | 10° 7         | 8°31          | 13°24          | 18° 8          | S 27 |
| S 28 | 2 21 15 | 3°32'16          | 8 <b>Ⅱ</b> 41   | 21°31          | 15°59           | 6°16          | 23°54          | 24°20          | 13°56           | 20°11          | 12°21  | 9°57          | 8°27          | 13°31          | 18° 5          | S 28 |
| M29  | 2 25 12 | 4°32'11          | 20°38           | 23°10          | 17°14           | 6°54          | 24° 7          | 24°27          | 13°55           | 20°12          | 12°20  | 9°47          | 8°24          | 13°37          | 18° 2          | M29  |
| T 30 | 2 29 8  | 5°32'07          | 29542           | 24°50          | 18°29           | 7°32          | 24°20          | 24°34          | 13°53           | 20°13          | 12°20  | 9°40          | 8°21          | 13°44          | 18° 0          | T 30 |
| W31  | 2 33 5  | 6M32'06          | 149555          | 26 <b>₽</b> 29 | 19 <b>M</b> .44 | 8 <b>₾</b> 11 | 24M33          | 24 <b>≏</b> 41 | 13 <b>¥</b> 52  | 20 <b>Ω</b> 14 | 129520 | 9 <b>m</b> 35 | 8 <b>m</b> 18 | 13 <b>8</b> 51 | 17 <b>Y</b> 57 | W31  |

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NOVEMBER 1923 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ              | φ              | ♂              | 4              | ħ              | )∤(            | 卉              | В      | n             | ß             | Ç              | , k            | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|---------------|---------------|----------------|----------------|------|
| T 1  | 2 37 2  | 7 <b>M</b> 32'07 | 279522         | 28 <b>♀</b> 9  | 20 <b>M</b> 59 | 8 <b>≏</b> 49  | 24M46          | 24 <b>Ω</b> 49 | 13°R51         | 20 <b>Ω</b> 15 | 12°R19 | 9°R33         | 8 <b>m</b> 15 | 13 <b>8</b> 57 | 17°R55         | T 1  |
| F 2  | 2 40 58 | 8°32'10          | 10 <b>Ω</b> 7  | 29°48          | 22°14          | 9°27           | 24°59          | 24°56          | 13 <b>米</b> 50 | 20°15          | 129519 | 9°D32         | 8°11          | 14° 4          | 17 <b>Y</b> 52 | F 2  |
| S 3  | 2 44 55 | 9°32'15          | 23°14          | 1 <b>M</b> 28  | 23°28          | 10° 6          | 25°12          | 25° 3          | 13°49          | 20°16          | 12°18  | 9 <b>m</b> 33 | 8° 8          | 14°11          | 17°49          | S 3  |
| S 4  | 2 48 51 | 10°32'22         | 6 <b>m</b> /46 | 3° 7           | 24°43          | 10°44          | 25°25          | 25°10          | 13°48          | 20°17          | 12°18  | 9°R33         | 8° 5          | 14°18          | 17°47          | S 4  |
| M 5  | 2 52 48 | 11°32'32         | 20°46          | 4°46           | 25°58          | 11°22          | 25°38          | 25°17          | 13°47          | 20°17          | 12°17  | 9°33          | 8° 2          | 14°24          | 17°45          | M 5  |
| T 6  | 2 56 44 | 12°32'43         | 5 <b>≏</b> 14  | 6°25           | 27°13          | 12° 1          | 25°51          | 25°24          | 13°46          | 20°18          | 12°17  | 9°30          | 7°59          | 14°31          | 17°42          | T 6  |
| W 7  | 3 0 41  | 13°32'56         | 20° 8          | 8° 4           | 28°28          | 12°39          | 26° 4          | 25°32          | 13°45          | 20°19          | 12°16  | 9°25          | 7°56          | 14°38          | 17°40          | W 7  |
| T 8  | 3 4 37  | 14°33'12         | 5 <b>M</b> 20  | 9°42           | 29°43          | 13°17          | 26°17          | 25°39          | 13°44          | 20°19          | 12°16  | 9°18          | 7°52          | 14°44          | 17°37          | T 8  |
| F 9  | 3 8 34  | 15°33'29         | 20°40          | 11°20          | 0 <b>∡</b> 758 | 13°56          | 26°31          | 25°46          | 13°44          | 20°20          | 12°15  | 9° 8          | 7°49          | 14°51          | 17°35          | F 9  |
| S 10 | 3 12 30 | 16°33'48         | 5 <b>₹</b> 758 | 12°57          | 2°13           | 14°34          | 26°44          | 25°53          | 13°43          | 20°20          | 12°15  | 8°58          | 7°46          | 14°58          | 17°33          | S 10 |
| S 11 | 3 16 27 | 17°34'09         | 21° 1          | 14°34          | 3°28           | 15°13          | 26°57          | 26° 0          | 13°42          | 20°21          | 12°14  | 8°48          | 7°43          | 15° 5          | 17°30          | S 11 |
| M12  | 3 20 24 | 18°34'31         | 5 <b>ਰ</b> 41  | 16°11          | 4°43           | 15°51          | 27°10          | 26° 7          | 13°42          | 20°21          | 12°13  | 8°40          | 7°40          | 15°11          | 17°28          | M12  |
| T 13 | 3 24 20 | 19°34'55         | 19°53          | 17°48          | 5°58           | 16°29          | 27°24          | 26°14          | 13°41          | 20°21          | 12°13  | 8°34          | 7°37          | 15°18          | 17°26          | T 13 |
| W14  | 3 28 17 | 20°35'20         | 3≈34           | 19°24          | 7°13           | 17° 8          | 27°37          | 26°20          | 13°41          | 20°22          | 12°12  | 8°30          | 7°33          | 15°25          | 17°24          | W14  |
| T 15 | 3 32 13 | 21°35'46         | 16°47          | 21° 0          | 8°28           | 17°46          | 27°50          | 26°27          | 13°40          | 20°22          | 12°11  | 8°D29         | 7°30          | 15°31          | 17°21          | T 15 |
| F 16 | 3 36 10 | 22°36'13         | 29°36          | 22°35          | 9°43           | 18°25          | 28° 4          | 26°34          | 13°40          | 20°22          | 12°10  | 8°29          | 7°27          | 15°38          | 17°19          | F 16 |
| S 17 | 3 40 6  | 23°36'42         | 12 <b>米</b> 3  | 24°11          | 10°58          | 19° 3          | 28°17          | 26°41          | 13°39          | 20°23          | 12°10  | 8°R29         | 7°24          | 15°45          | 17°17          | S 17 |
| S 18 | 3 44 3  | 24°37'13         | 24°16          | 25°46          | 12°13          | 19°41          | 28°30          | 26°48          | 13°39          | 20°23          | 12° 9  | 8°28          | 7°21          | 15°52          | 17°15          | S 18 |
| M19  | 3 48 0  | 25°37'44         | 6 <b>Υ</b> 17  | 27°21          | 13°27          | 20°20          | 28°43          | 26°54          | 13°39          | 20°23          | 12° 8  | 8°25          | 7°17          | 15°58          | 17°13          | M19  |
| T 20 | 3 51 56 | 26°38'17         | 18°12          | 28°55          | 14°42          | 20°58          | 28°57          | 27° 1          | 13°38          | 20°23          | 12° 7  | 8°19          | 7°14          | 16° 5          | 17°11          | T 20 |
| W21  | 3 55 53 | 27°38'51         | 0 <b>8</b> 3   | 0 <b>₮</b> 30  | 15°57          | 21°37          | 29°10          | 27° 8          | 13°38          | 20°23          | 12° 7  | 8°10          | 7°11          | 16°12          | 17° 9          | W21  |
| T 22 | 3 59 49 | 28°39'27         | 11°54          | 2° 4           | 17°12          | 22°15          | 29°24          | 27°14          | 13°38          | 20°23          | 12° 6  | 7°58          | 7° 8          | 16°18          | 17° 7          | T 22 |
| F 23 | 4 3 46  | 29°40'04         | 23°47          | 3°38           | 18°27          | 22°53          | 29°37          | 27°21          | 13°38          | 20°23          | 12° 5  | 7°45          | 7° 5          | 16°25          | 17° 5          | F 23 |
| S 24 | 4 7 42  | 0 <b>≯</b> 40'42 | 5 <b>∏</b> 42  | 5°12           | 19°42          | 23°32          | 29°50          | 27°28          | 13°D38         | 20°R23         | 12° 4  | 7°30          | 7° 2          | 16°32          | 17° 3          | S 24 |
| S 25 | 4 11 39 | 1°41'22          | 17°42          | 6°46           | 20°57          | 24°10          | 0 <b>,</b> ₹ 4 | 27°34          | 13°38          | 20°23          | 12° 3  | 7°15          | 6°58          | 16°39          | 17° 2          | S 25 |
| M26  | 4 15 35 | 2°42'03          | 29°46          | 8°19           | 22°12          | 24°49          | 0°17           | 27°41          | 13°38          | 20°23          | 12° 2  | 7° 2          | 6°55          | 16°45          | 17° 0          | M26  |
| T 27 | 4 19 32 | 3°42'46          | 11957          | 9°53           | 23°27          | 25°27          | 0°30           | 27°47          | 13°38          | 20°23          | 12° 1  | 6°51          | 6°52          | 16°52          | 16°58          | T 27 |
| W28  | 4 23 29 | 4°43'30          | 24°17          | 11°26          | 24°42          | 26° 6          | 0°44           | 27°53          | 13°38          | 20°23          | 12° 0  | 6°43          | 6°49          | 16°59          | 16°57          | W28  |
| T 29 | 4 27 25 | 5°44'16          | 6Ω47           | 12°59          | 25°56          | 26°44          | 0°57           | 28° 0          | 13°39          | 20°23          | 11°59  | 6°38          | 6°46          | 17° 5          | 16°55          | T 29 |
| F 30 | 4 31 22 | 6 <b>₹</b> 45'03 | 19 <b>Ω</b> 32 | 14 <b>×</b> 32 | 27 <b>×</b> 11 | 27 <b>₾</b> 23 | 1 <b>才</b> 10  | 28 <b>♀</b> 6  | 13 <b>米</b> 39 | $20\Omega 23$  | 119558 | 6 <b>m</b> 36 | 6 <b>m</b> 42 | 17 <b>8</b> 12 | 16 <b>Y</b> 53 | F 30 |

Delta T = 23.43 sec

DECEMBER 1923 00:00 UT

| Day  | Sid.t   | 0                 | D               | ğ             | φ               | ď               | 4               | ħ              | )f(            | ¥      | Р      | v             | Ω             | Ç              | Š              | Day  |
|------|---------|-------------------|-----------------|---------------|-----------------|-----------------|-----------------|----------------|----------------|--------|--------|---------------|---------------|----------------|----------------|------|
| S 1  | 4 35 18 | 7 <b>∡</b> 145'51 | 2 <b>m</b> 34   | 16 <b>₹</b> 5 | 28 <b>×</b> 126 | 28 <b>♀</b> 1   | 1 <b>₹</b> 124  | 28 <b>≏</b> 12 | 13 <b>∺</b> 39 | 20°R23 | 11°R57 | 6°R35         | 6 <b>m</b> 39 | 17 <b>8</b> 19 | 16°R52         | S 1  |
| S 2  | 4 39 15 | 8°46'42           | 15°58           | 17°38         | 29°41           | 28°40           | 1°37            | 28°18          | 13°40          | 20№22  | 11956  | 6 <b>m</b> 35 | 6°36          | 17°26          | 16 <b>Y</b> 50 | S 2  |
| M 3  | 4 43 11 | 9°47'33           | 29°46           | 19°11         | 0 <b>궁</b> 56   | 29°18           | 1°50            | 28°24          | 13°40          | 20°22  | 11°55  | 6°34          | 6°33          | 17°32          | 16°49          | M 3  |
| T 4  | 4 47 8  | 10°48'26          | 13 <b>≏</b> 59  | 20°44         | 2°11            | 29°57           | 2° 4            | 28°30          | 13°41          | 20°22  | 11°54  | 6°31          | 6°30          | 17°39          | 16°48          | T 4  |
| W 5  | 4 51 4  | 11°49'20          | 28°37           | 22°17         | 3°26            | 0 <b>M</b> .35  | 2°17            | 28°36          | 13°41          | 20°21  | 11°53  | 6°26          | 6°27          | 17°46          | 16°46          | W 5  |
| T 6  | 4 55 1  | 12°50'16          | 13 <b>M</b> 35  | 23°49         | 4°40            | 1°14            | 2°30            | 28°42          | 13°42          | 20°21  | 11°52  | 6°17          | 6°23          | 17°52          | 16°45          | T 6  |
| F 7  | 4 58 58 | 13°51'13          | 28°46           | 25°22         | 5°55            | 1°52            | 2°44            | 28°48          | 13°42          | 20°20  | 11°51  | 6° 7          | 6°20          | 17°59          | 16°44          | F 7  |
| S 8  | 5 2 54  | 14°52'11          | 13 <b>×</b> 59  | 26°54         | 7°10            | 2°31            | 2°57            | 28°54          | 13°43          | 20°20  | 11°50  | 5°55          | 6°17          | 18° 6          | 16°43          | S 8  |
| S 9  | 5 6 5 1 | 15°53'10          | 29° 3           | 28°27         | 8°25            | 3° 9            | 3°10            | 29° 0          | 13°44          | 20°19  | 11°49  | 5°43          | 6°14          | 18°13          | 16°42          | S 9  |
| M10  | 5 10 47 | 16°54'10          | 13 <b>る</b> 49  | 29°59         | 9°40            | 3°48            | 3°23            | 29° 6          | 13°45          | 20°19  | 11°48  | 5°34          | 6°11          | 18°19          | 16°40          | M10  |
| T 11 | 5 14 44 | 17°55'11          | 28° 9           | 1 <b>궁</b> 31 | 10°55           | 4°26            | 3°36            | 29°11          | 13°45          | 20°18  | 11°47  | 5°26          | 6° 8          | 18°26          | 16°39          | T 11 |
| W12  | 5 18 40 | 18°56'12          | 11≈59           | 3° 2          | 12° 9           | 5° 5            | 3°50            | 29°17          | 13°46          | 20°18  | 11°46  | 5°22          | 6° 4          | 18°33          | 16°39          | W12  |
| T 13 | 5 22 37 | 19°57'14          | 25°20           | 4°34          | 13°24           | 5°43            | 4° 3            | 29°22          | 13°47          | 20°17  | 11°44  | 5°20          | 6° 1          | 18°39          | 16°38          | T 13 |
| F 14 | 5 26 33 | 20°58'16          | 8 <b>) (</b> 14 | 6° 5          | 14°39           | 6°22            | 4°16            | 29°28          | 13°48          | 20°16  | 11°43  | 5°D20         | 5°58          | 18°46          | 16°37          | F 14 |
| S 15 | 5 30 30 | 21°59'19          | 20°45           | 7°35          | 15°54           | 7° 0            | 4°29            | 29°33          | 13°49          | 20°16  | 11°42  | 5°R20         | 5°55          | 18°53          | 16°36          | S 15 |
| S 16 | 5 34 27 | 23° 0'22          | 2 <b>Υ</b> 58   | 9° 5          | 17° 8           | 7°39            | 4°42            | 29°38          | 13°50          | 20°15  | 11°41  | 5°19          | 5°52          | 19° 0          | 16°35          | S 16 |
| M17  | 5 38 23 | 24° 1'26          | 14°59           | 10°34         | 18°23           | 8°17            | 4°55            | 29°44          | 13°52          | 20°14  | 11°40  | 5°17          | 5°48          | 19° 6          | 16°35          | M17  |
| T 18 | 5 42 20 | 25° 2'29          | 26°52           | 12° 2         | 19°38           | 8°56            | 5° 8            | 29°49          | 13°53          | 20°14  | 11°39  | 5°12          | 5°45          | 19°13          | 16°34          | T 18 |
| W19  | 5 46 16 | 26° 3'34          | 8 <b>8</b> 42   | 13°29         | 20°53           | 9°34            | 5°21            | 29°54          | 13°54          | 20°13  | 11°37  | 5° 5          | 5°42          | 19°20          | 16°33          | W19  |
| T 20 | 5 50 13 | 27° 4'39          | 20°33           | 14°55         | 22° 7           | 10°13           | 5°34            | 29°59          | 13°55          | 20°12  | 11°36  | 4°55          | 5°39          | 19°26          | 16°33          | T 20 |
| F 21 | 5 54 9  | 28° 5'44          | 2∏28            | 16°19         | 23°22           | 10°51           | 5°47            | 0M 4           | 13°57          | 20°11  | 11°35  | 4°43          | 5°36          | 19°33          | 16°32          | F 21 |
| S 22 | 5 58 6  | 29° 6'50          | 14°29           | 17°42         | 24°37           | 11°30           | 6° 0            | 0° 9           | 13°58          | 20°10  | 11°34  | 4°30          | 5°33          | 19°40          | 16°32          | S 22 |
| S 23 | 6 2 2   | 0중 7'56           | 26°37           | 19° 2         | 25°51           | 12° 8           | 6°13            | 0°14           | 14° 0          | 20° 9  | 11°33  | 4°17          | 5°29          | 19°47          | 16°32          | S 23 |
| M24  | 6 5 59  | 1° 9'02           | 8953            | 20°20         | 27° 6           | 12°47           | 6°25            | 0°19           | 14° 1          | 20° 8  | 11°31  | 4° 6          | 5°26          | 19°53          | 16°31          | M24  |
| T 25 | 6 9 56  | 2°10'09           | 21°17           | 21°35         | 28°20           | 13°26           | 6°38            | 0°23           | 14° 3          | 20° 7  | 11°30  | 3°56          | 5°23          | 20° 0          | 16°31          | T 25 |
| W26  | 6 13 52 | 3°11'16           | $3\Omega 52$    | 22°46         | 29°35           | 14° 4           | 6°51            | 0°28           | 14° 4          | 20° 6  | 11°29  | 3°49          | 5°20          | 20° 7          | 16°31          | W26  |
| T 27 | 6 17 49 | 4°12'24           | 16°36           | 23°54         | 0 <b>≈</b> 50   | 14°43           | 7° 3            | 0°32           | 14° 6          | 20° 5  | 11°28  | 3°45          | 5°17          | 20°13          | 16°31          | T 27 |
| F 28 | 6 21 45 | 5°13'32           | 29°32           | 24°56         | 2° 4            | 15°21           | 7°16            | 0°37           | 14° 7          | 20° 4  | 11°27  | 3°D44         | 5°14          | 20°20          | 16°31          | F 28 |
| S 29 | 6 25 42 | 6°14'41           | 12 <b>M</b> )42 | 25°54         | 3°19            | 16° 0           | 7°29            | 0°41           | 14° 9          | 20° 3  | 11°25  | 3°44          | 5°10          | 20°27          | 16°D31         | S 29 |
| S 30 | 6 29 38 | 7°15'50           | 26° 7           | 26°45         | 4°33            | 16°38           | 7°41            | 0°45           | 14°11          | 20° 2  | 11°24  | 3°45          | 5° 7          | 20°34          | 16°31          | S 30 |
| M31  | 6 33 35 | 8 <b>ට</b> 16'59  | 9 <b>≙</b> 49   | 27る29         | 5≈48            | 17 <b>M</b> .17 | 7 <b>.₹</b> 154 | 0 <b>M</b> .50 | 14 <b>∺</b> 13 | 20Ω 1  | 119523 | 3°R45         | 5Mp 4         | 20840          | 16 <b>Y</b> 31 | M31  |

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JANUARY 1924 00:00 UT

| Day          | Sid.t              | 0                    | D                      | ğ              | Ŷ              | ð              | 4               | ħ              | ) <b>y</b> (   | ¥              | Р              | ß             | ದಿ             | ţ               | ę,             | Day          |
|--------------|--------------------|----------------------|------------------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|---------------|----------------|-----------------|----------------|--------------|
| T 1          | 6 37 31            | 9 <b>ට</b> 18'09     | 23 <b>₽</b> 51         | 28궁 5          | 7 <b>≈</b> 2   | 17 <b>M</b> 55 | 8 <b>₹</b> 6    | 0 <b>M</b> .54 | 14 <b>)</b> 15 | 20°R 0         | 11°R22         | 3°R44         | 5 <b>m</b> ) 1 | 20847           | 16 <b>Y</b> 31 | T 1          |
| W 2          | 6 41 28            | 10°19'20             | 8 <b>M</b> .10         | 28°33          | 8°17           | 18°34          | 8°18            | 0°58           | 14°16          | 19 <b>Ω</b> 58 | 119520         | 3 <b>m</b> 41 | 4°58           | 20°54           | 16°31          | W 2          |
| T 3          | 6 45 25            | 11°20'30             | 22°45                  | 28°50          | 9°31           | 19°13          | 8°31            | 1° 2           | 14°18          | 19°57          | 11°19          | 3°36          | 4°54           | 21° 0           | 16°31          | T 3          |
| F 4          | 6 49 21            | 12°21'42             | 7 <b>₹</b> 32          | 28°R57         | 10°45          | 19°51          | 8°43            | 1° 5           | 14°20          | 19°56          | 11°18          | 3°28          | 4°51           | 21° 7           | 16°32          | F 4          |
| S 5          | 6 53 18            | 13°22'53             | 22°22                  | 28°53          | 12° 0          | 20°30          | 8°55            | 1° 9           | 14°22          | 19°55          | 11°17          | 3°20          | 4°48           | 21°14           | 16°32          | S 5          |
| S 6          | 6 57 14            | 14°24'04             | 75 9                   | 28°37          | 13°14          | 21° 8          | 9° 7            | 1°13           | 14°24          | 19°53          | 11°15          | 3°12          | 4°45           | 21°21           | 16°32          | S 6          |
| M 7          | 7 1 11             | 15°25'16             | 21°43                  | 28° 9          | 14°28          | 21°47          | 9°19            | 1°17           | 14°27          | 19°52          | 11°14          | 3° 5          | 4°42           | 21°27           | 16°33          | M 7          |
| T 8          | 7 5 7              | 16°26'27             | 5≈57                   | 27°30          | 15°43          | 22°25          | 9°31            | 1°20           | 14°29          | 19°51          | 11°13          | 3° 0          | 4°39           | 21°34           | 16°33          | T 8          |
| W 9          | 7 9 4              | 17°27'37             | 19°47                  | 26°39          | 16°57          | 23° 4          | 9°43            | 1°23           | 14°31          | 19°49<br>19°48 | 11°12          | 2°57          | 4°35           | 21°41           | 16°34          | W 9          |
| T 10<br>F 11 | 7 13 0<br>7 16 57  | 18°28'48<br>19°29'57 | 3 <b>米</b> 11<br>16°10 | 25°39<br>24°31 | 18°11<br>19°25 | 23°43<br>24°21 | 9°55<br>10° 7   | 1°27<br>1°30   | 14°33<br>14°35 | 19°48<br>19°47 | 11°10<br>11° 9 | 2°D56<br>2°57 | 4°32<br>4°29   | 21°48<br>21°54  | 16°35<br>16°35 | T 10<br>F 11 |
| S 12         | 7 20 54            | 20°31'07             | 28°46                  | 24°31<br>23°16 | 19 23<br>20°40 | 24 21<br>25° 0 | 10 /<br>10°19   | 1°33           | 14°38          | 19 47<br>19°45 | 11° 8          | 2°58          | 4°26           | 21° 34<br>22° 1 | 16°36          | S 12         |
|              |                    |                      |                        |                |                |                |                 |                |                |                |                |               |                |                 |                |              |
| S 13         | 7 24 50            | 21°32'15             | 11 <b>°</b> 4          | 21°58          | 21°54          | 25°38          | 10°30           | 1°36           | 14°40          | 19°44          | 11° 7          | 2°59          | 4°23           | 22° 8           | 16°37          | S 13         |
| M14          | 7 28 47            | 22°33'23             | 23° 8                  | 20°39          | 23° 8<br>24°22 | 26°17          | 10°42<br>10°54  | 1°39           | 14°42          | 19°42<br>19°41 | 11° 5<br>11° 4 | 3°R 0         | 4°20           | 22°14           | 16°38<br>16°39 | M14<br>T 15  |
| T 15<br>W16  | 7 32 43<br>7 36 40 | 23°34'31<br>24°35'37 | 5 <b>8</b> 3<br>16°54  | 19°20<br>18° 6 | 24°22<br>25°36 | 26°55<br>27°34 | 10°54<br>11° 5  | 1°42<br>1°45   | 14°45<br>14°47 | 19°41<br>19°39 | 11° 4          | 2°59<br>2°57  | 4°16<br>4°13   | 22°21<br>22°28  | 16°39          | W16          |
| T 17         | 7 40 36            | 25°36'43             | 28°47                  | 16°57          | 25°50          | 28°12          | 11°16           | 1°47           | 14°50          | 19°38          | 11° 2          | 2°52          | 4°10           | 22°35           | 16°41          | T 17         |
| F 18         | 7 44 33            | 26°37'48             | 10 <b>II</b> 44        | 15°55          | 28° 4          | 28°51          | 11°28           | 1°50           | 14°52          | 19°36          | 11° 1          | 2°47          | 4° 7           | 22°41           | 16°42          | F 18         |
| S 19         | 7 48 29            | 27°38'53             | 22°49                  | 15° 1          | 29°18          | 29°29          | 11°39           | 1°52           | 14°55          | 19°35          | 10°59          | 2°40          | 4° 4           | 22°48           | 16°43          | S 19         |
| S 20         | 7 52 26            | 28°39'57             | 599 5                  | 14°16          | 0 <b>¥</b> 32  | 0 <b>~</b> 8   | 11°50           | 1°55           | 14°57          | 19°33          | 10°58          | 2°33          | 4° 0           | 22°55           | 16°44          | S 20         |
| M21          | 7 56 23            | 28 39 37<br>29°41'00 | 17°33                  | 13°41          | 1°45           | 0°46           | 11 30<br>12° 1  | 1°57           | 14 37<br>15° 0 | 19°32          | 10°57          | 2°28          | 3°57           | 22° 33° 1       | 16°45          | M21          |
| T 22         | 8 0 19             | 0≈42'02              | 0Ω14                   | 13°15          | 2°59           | 1°25           | 12°12           | 1°59           | 15° 3          | 19°30          | 10°56          | 2°23          | 3°54           | 23° 8           | 16°47          | T 22         |
| W23          | 8 4 16             | 1°43'04              | 13° 8                  | 12°58          | 4°13           | 2° 3           | 12°23           | 2° 1           | 15° 5          | 19°29          | 10°55          | 2°20          | 3°51           | 23°15           | 16°48          | W23          |
| T 24         | 8 8 12             | 2°44'04              | 26°15                  | 12°D50         | 5°26           | 2°42           | 12°34           | 2° 3           | 15° 8          | 19°27          | 10°54          | 2°D18         | 3°48           | 23°22           | 16°49          | T 24         |
| F 25         | 8 12 9             | 3°45'05              | 9 <b>m</b> y33         | 12°50          | 6°40           | 3°20           | 12°44           | 2° 5           | 15°11          | 19°25          | 10°52          | 2°18          | 3°45           | 23°28           | 16°51          | F 25         |
| S 26         | 8 16 5             | 4°46'04              | 23° 3                  | 12°58          | 7°54           | 3°59           | 12°55           | 2° 7           | 15°14          | 19°24          | 10°51          | 2°19          | 3°41           | 23°35           | 16°52          | S 26         |
| S 27         | 8 20 2             | 5°47'03              | 6 <b>Ω</b> 44          | 13°13          | 9° 7           | 4°37           | 13° 6           | 2° 8           | 15°16          | 19°22          | 10°50          | 2°21          | 3°38           | 23°42           | 16°54          | S 27         |
| M28          | 8 23 58            | 6°48'01              | 20°35                  | 13°35          | 10°20          | 5°16           | 13°16           | 2°10           | 15°19          | 19°21          | 10°49          | 2°22          | 3°35           | 23°49           | 16°55          | M28          |
| T 29         | 8 27 55            | 7°48'59              | 4 <b>M</b> .36         | 14° 3          | 11°34          | 5°54           | 13°26           | 2°11           | 15°22          | 19°19          | 10°48          | 2°R23         | 3°32           | 23°55           | 16°57          | T 29         |
| W30          | 8 31 52            | 8°49'56              | 18°47                  | 1 <u>4</u> °36 | 12°47          | 6°33           | 13°37           | 2°12           | 15°25          | 19°17          | 10°47          | 2°23          | 3°29           | 24° 2           | 16°59          | W30          |
| T 31         | 8 35 48            | 9≈50'52              | 3 <b>√</b> 4           | 15 <b>る</b> 14 | 14 <b>米</b> 1  | 7 <b>₹</b> 11  | 13 <b>∡</b> 747 | 2 <b>M</b> .14 | 15 <b>∺</b> 28 | 19 <b>Ω</b> 16 | 109946         | 2 <b>m</b> 21 | 3 Mp 26        | 24 <b>8</b> 9   | 17 <b>Y</b> 1  | T 31         |

Delta T = 23.48 sec

FEBRUARY 1924 00:00 UT

| Day  | Sid.t    | 0               | )              | ğ              | φ              | δ              | 4               | ħ     | ᡟ               | ¥               | Р      | S.     | ೧             | Ç     | <del>κ</del> 0 | Day  |
|------|----------|-----------------|----------------|----------------|----------------|----------------|-----------------|-------|-----------------|-----------------|--------|--------|---------------|-------|----------------|------|
| F 1  | 8 39 45  | 10≈51'48        | 17 <b>×</b> 25 | 15 <b>る</b> 57 | 15 <b>)</b> 14 | 7 <b>,₹</b> 50 | 13 <b>×</b> 757 | 2ML15 | 15 <b>)</b> (31 | 19°R14          | 10°R45 | 2°R19  | 3 Mp 22       | 24815 | 17 <b>Y</b> 2  | F 1  |
| S 2  | 8 43 41  | 11°52'43        | 1 <b>ろ</b> 46  | 16°44          | 16°27          | 8°28           | 14° 7           | 2°16  | 15°34           | 19 <b>Ω</b> 12  | 109544 | 2Mp 16 | 3°19          | 24°22 | 17° 4          | S 2  |
| S 3  | 8 47 38  | 12°53'37        | 16° 3          | 17°35          | 17°40          | 9° 7           | 14°17           | 2°17  | 15°37           | 19°11           | 10°43  | 2°13   | 3°16          | 24°29 | 17° 6          | S 3  |
| M 4  | 8 51 34  | 13°54'30        | 0≈10           | 18°29          | 18°53          | 9°45           | 14°26           | 2°18  | 15°40           | 19° 9           | 10°42  | 2°11   | 3°13          | 24°36 | 17° 8          | M 4  |
| T 5  | 8 55 31  | 14°55'22        | 14° 3          | 19°27          | 20° 6          | 10°24          | 14°36           | 2°18  | 15°43           | 19° 7           | 10°41  | 2° 9   | 3°10          | 24°42 | 17°10          | T 5  |
| W 6  | 8 59 27  | 15°56'13        | 27°39          | 20°27          | 21°19          | 11° 2          | 14°45           | 2°19  | 15°46           | 19° 6           | 10°40  | 2°D 9  | 3° 6          | 24°49 | 17°12          | W 6  |
| T 7  | 9 3 24   | 16°57'03        | 10 <b>¥</b> 55 | 21°30          | 22°32          | 11°40          | 14°55           | 2°19  | 15°49           | 19° 4           | 10°39  | 2° 9   | 3° 3          | 24°56 | 17°14          | T 7  |
| F 8  | 9 7 21   | 17°57'51        | 23°52          | 22°36          | 23°45          | 12°19          | 15° 4           | 2°20  | 15°52           | 19° 2           | 10°38  | 2° 9   | 3° 0          | 25° 2 | 17°16          | F 8  |
| S 9  | 9 11 17  | 18°58'37        | 6 <b>Ƴ</b> 29  | 23°43          | 24°57          | 12°57          | 15°13           | 2°20  | 15°55           | 19° 1           | 10°37  | 2°11   | 2°57          | 25° 9 | 17°18          | S 9  |
| S 10 | 9 15 14  | 19°59'22        | 18°49          | 24°53          | 26°10          | 13°36          | 15°22           | 2°20  | 15°59           | 18°59           | 10°36  | 2°12   | 2°54          | 25°16 | 17°21          | S 10 |
| M11  | 9 19 10  | 21° 0'06        | 0 <b>8</b> 56  | 26° 4          | 27°23          | 14°14          | 15°31           | 2°R20 | 16° 2           | 18°57           | 10°35  | 2°13   | 2°51          | 25°23 | 17°23          | M11  |
| T 12 | 9 23 7   | 22° 0'48        | 12°53          | 27°18          | 28°35          | 14°52          | 15°40           | 2°20  | 16° 5           | 18°55           | 10°34  | 2°14   | 2°47          | 25°29 | 17°25          | T 12 |
| W13  | 9 27 3   | 23° 1'28        | 24°46          | 28°33          | 29°47          | 15°31          | 15°49           | 2°20  | 16° 8           | 18°54           | 10°33  | 2°R14  | 2°44          | 25°36 | 17°27          | W13  |
| T 14 | 9 31 0   | 24° 2'07        | 6 <b>Ⅱ</b> 39  | 29°49          | 1 <b>Υ</b> 0   | 16° 9          | 15°57           | 2°20  | 16°11           | 18°52           | 10°32  | 2°13   | 2°41          | 25°43 | 17°30          | T 14 |
| F 15 | 9 34 56  | 25° 2'44        | 18°37          | 1≈ 7           | 2°12           | 16°47          | 16° 6           | 2°19  | 16°15           | 18°50           | 10°31  | 2°13   | 2°38          | 25°50 | 17°32          | F 15 |
| S 16 | 9 38 53  | 26° 3'20        | 09544          | 2°27           | 3°24           | 17°26          | 16°14           | 2°19  | 16°18           | 18°49           | 10°31  | 2°12   | 2°35          | 25°56 | 17°35          | S 16 |
| S 17 | 9 42 50  | 27° 3'53        | 13° 4          | 3°48           | 4°36           | 18° 4          | 16°22           | 2°18  | 16°21           | 18°47           | 10°30  | 2°11   | 2°32          | 26° 3 | 17°37          | S 17 |
| M18  | 9 46 46  | 28° 4'25        | 25°39          | 5°10           | 5°48           | 18°42          | 16°30           | 2°18  | 16°24           | 18°45           | 10°29  | 2°11   | 2°28          | 26°10 | 17°40          | M18  |
| T 19 | 9 50 43  | 29° 4'56        | 8 <b>Ω</b> 33  | 6°33           | 7° 0           | 19°20          | 16°38           | 2°17  | 16°28           | 18°44           | 10°28  | 2°10   | 2°25          | 26°16 | 17°42          | T 19 |
| W20  | 9 54 39  | 0 <b>米</b> 5′24 | 21°44          | 7°58           | 8°12           | 19°59          | 16°46           | 2°16  | 16°31           | 18°42           | 10°27  | 2°10   | 2°22          | 26°23 | 17°45          | W20  |
| T 21 | 9 58 36  | 1° 5'51         | 5 Mp 14        | 9°23           | 9°24           | 20°37          | 16°54           | 2°15  | 16°34           | 18°40           | 10°27  | 2°D10  | 2°19          | 26°30 | 17°48          | T 21 |
| F 22 | 10 2 32  | 2° 6'17         | 18°59          | 10°50          | 10°35          | 21°15          | 17° 1           | 2°14  | 16°38           | 18°39           | 10°26  | 2°R10  | 2°16          | 26°37 | 17°50          | F 22 |
| S 23 | 10 6 29  | 3° 6'40         | 2 <b>≙</b> 57  | 12°18          | 11°47          | 21°53          | 17° 9           | 2°13  | 16°41           | 18°37           | 10°25  | 2°10   | 2°12          | 26°43 | 17°53          | S 23 |
| S 24 | 10 10 25 | 4° 7'02         | 17° 5          | 13°47          | 12°58          | 22°31          | 17°16           | 2°11  | 16°44           | 18°36           | 10°25  | 2°10   | 2° 9          | 26°50 | 17°56          | S 24 |
| M25  | 10 14 22 | 5° 7'23         | 1 <b>M</b> .19 | 15°17          | 14° 9          | 23° 9          | 17°23           | 2°10  | 16°48           | 18°34           | 10°24  | 2°10   | 2° 6          | 26°57 | 17°59          | M25  |
| T 26 | 10 18 19 | 6° 7'43         | 15°35          | 16°48          | 15°20          | 23°48          | 17°30           | 2° 9  | 16°51           | 18°32           | 10°23  | 2° 9   | 2° 3          | 27° 3 | 18° 1          | T 26 |
| W27  | 10 22 15 | 7° 8'01         | 29°51          | 18°21          | 16°31          | 24°26          | 17°37           | 2° 7  | 16°55           | 18°31           | 10°23  | 2° 9   | 2° 0          | 27°10 | 18° 4          | W27  |
| T 28 | 10 26 12 | 8° 8'17         | 14 🗷 2         | 19°54          | 17°42          | 25° 4          | 17°44           | 2° 5  | 16°58           | 18°29           | 10°22  | 2°D 9  | 1°57          | 27°17 | 18° 7          | T 28 |
| F 29 | 10 30 8  | 9 <b>米</b> 8'32 | 28 <b>×</b> 8  | 21≈28          | 18 <b>Y</b> 53 | 25 <b>×</b> 42 | 17 <b>×</b> 750 | 2M 4  | 17 <b>)</b> 1   | $18\Omega_{28}$ | 109521 | 2MD 9  | 1 <b>m</b> 53 | 27824 | 18 <b>Y</b> 10 | F 29 |

Delta T = 23.51 sec

MARCH 1924 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | ·             | ð               | 4               | ħ             | )ұ(              | ¥              | Р      | 'n            | v               | ţ              | ę,             | Day  |
|------|----------|------------------|----------------|----------------|---------------|-----------------|-----------------|---------------|------------------|----------------|--------|---------------|-----------------|----------------|----------------|------|
| S 1  | 10 34 5  | 10 <b>米</b> 8'46 | 12 <b>ප</b> 5  | 23≈ 4          | 20 <b>°</b> 4 | 26 <b>×</b> 120 | 17 <b>×7</b> 56 | 2°R 2         | 17 <b>)</b> 5    | 18°R26         | 10°R21 | 2 Mp 10       | 1 <b>m</b> ) 50 | 27 <b>8</b> 30 | 18 <b>Y</b> 13 | S 1  |
| S 2  | 10 38 1  | 11° 8'58         | 25°54          | 24°40          | 21°15         | 26°58           | 18° 3           | 2 <b>M</b> 0  | 17° 8            | 18 <b>Ω</b> 25 | 109520 | 2°11          | 1°47            | 27°37          | 18°16          | S 2  |
| M 3  | 10 41 58 | 12° 9'09         | 9≈32           | 26°17          | 22°25         | 27°36           | 18° 9           | 1°58          | 17°12            | 18°23          | 10°20  | 2°12          | 1°44            | 27°44          | 18°19          | M 3  |
| T 4  | 10 45 54 | 13° 9'18         | 22°58          | 27°56          | 23°35         | 28°14           | 18°15           | 1°56          | 17°15            | 18°22          | 10°19  | 2°12          | 1°41            | 27°51          | 18°22          | T 4  |
| W 5  | 10 49 51 | 14° 9'25         | 6 <b>)</b> €10 | 29°35          | 24°46         | 28°52           | 18°20           | 1°53          | 17°19            | 18°20          | 10°19  | 2°R12         | 1°37            | 27°57          | 18°25          | W 5  |
| T 6  | 10 53 48 | 15° 9'30         | 19° 9          | 1 <b>)</b> 16  | 25°56         | 29°30           | 18°26           | 1°51          | 17°22            | 18°19          | 10°18  | 2°12          | 1°34            | 28° 4          | 18°28          | T 6  |
| F 7  | 10 57 44 | 16° 9'33         | 1 <b>Y</b> 53  | 2°58           | 27° 6         | 8 る0            | 18°31           | 1°48          | 17°25            | 18°17          | 10°18  | 2°11          | 1°31            | 28°11          | 18°31          | F 7  |
| S 8  | 11 141   | 17° 9'35         | 14°23          | 4°41           | 28°16         | 0°46            | 18°37           | 1°46          | 17°29            | 18°16          | 10°18  | 2° 9          | 1°28            | 28°17          | 18°34          | S 8  |
| S 9  | 11 5 37  | 18° 9'34         | 26°40          | 6°25           | 29°25         | 1°24            | 18°42           | 1°43          | 17°32            | 18°14          | 10°17  | 2° 6          | 1°25            | 28°24          | 18°38          | S 9  |
| M10  | 11 9 34  | 19° 9'31         | 8 <b>8</b> 46  | 8°10           | 0 <b>8</b> 35 | 2° 1            | 18°47           | 1°41          | 17°36            | 18°13          | 10°17  | 2° 4          | 1°22            | 28°31          | 18°41          | M10  |
| T 11 | 11 13 30 | 20° 9'27         | 20°43          | 9°56           | 1°44          | 2°39            | 18°52           | 1°38          | 17°39            | 18°11          | 10°17  | 2° 1          | 1°18            | 28°38          | 18°44          | T 11 |
| W12  | 11 17 27 | 21° 9'20         | 2Ⅲ37           | 11°43          | 2°54          | 3°17            | 18°56           | 1°35          | 17°43            | 18°10          | 10°16  | 1°59          | 1°15            | 28°44          | 18°47          | W12  |
| T 13 | 11 21 23 | 22° 9'10         | 14°29          | 13°32          | 4° 3          | 3°55            | 19° 1           | 1°32          | 17°46            | 18° 9          | 10°16  | 1°58          | 1°12            | 28°51          | 18°50          | T 13 |
| F 14 | 11 25 20 | 23° 8'59         | 26°26          | 15°22          | 5°12          | 4°32            | 19° 5           | 1°29          | 17°49            | 18° 7          | 10°16  | 1°D58         | 1° 9            | 28°58          | 18°54          | F 14 |
| S 15 | 11 29 16 | 24° 8'45         | 8 <b>9</b> 31  | 17°13          | 6°21          | 5°10            | 19° 9           | 1°26          | 17°53            | 18° 6          | 10°15  | 1°59          | 1° 6            | 29° 4          | 18°57          | S 15 |
| S 16 | 11 33 13 | 25° 8'30         | 20°50          | 19° 5          | 7°29          | 5°48            | 19°13           | 1°23          | 17°56            | 18° 5          | 10°15  | 2° 0          | 1° 3            | 29°11          | 19° 0          | S 16 |
| M17  | 11 37 10 | 26° 8'11         | 3 <b>Ω</b> 26  | 20°58          | 8°38          | 6°25            | 19°17           | 1°20          | 18° 0            | 18° 4          | 10°15  | 2° 2          | 0°59            | 29°18          | 19° 4          | M17  |
| T 18 | 11 41 6  | 27° 7'51         | 16°24          | 22°53          | 9°46          | 7° 3            | 19°20           | 1°16          | 18° 3            | 18° 2          | 10°15  | 2° 3          | 0°56            | 29°25          | 19° 7          | T 18 |
| W19  | 11 45 3  | 28° 7'28         | 29°45          | 24°48          | 10°54         | 7°40            | 19°24           | 1°13          | 18° 7            | 18° 1          | 10°15  | 2°R 4         | 0°53            | 29°31          | 19°10          | W19  |
| T 20 | 11 48 59 | 29° 7'04         | 13 <b>M</b> 30 | 26°45          | 12° 2         | 8°18            | 19°27           | 1° 9          | 18°10            | 18° 0          | 10°15  | 2° 3          | 0°50            | 29°38          | 19°14          | T 20 |
| F 21 | 11 52 56 | 0 <b>Υ</b> 6'37  | 27°37          | 28°43          | 13°10         | 8°55            | 19°30           | 1° 6          | 18°13            | 17°59          | 10°15  | 2° 2          | 0°47            | 29°45          | 19°17          | F 21 |
| S 22 | 11 56 52 | 1° 6'08          | 12 <b>♀</b> 2  | 0 <b>Υ</b> 42  | 14°18         | 9°33            | 19°33           | 1° 2          | 18°17            | 17°58          | 10°14  | 1°58          | 0°43            | 29°52          | 19°21          | S 22 |
| S 23 | 12 0 49  | 2° 5'37          | 26°40          | 2°41           | 15°25         | 10°10           | 19°36           | 0°59          | 18°20            | 17°57          | 10°14  | 1°54          | 0°40            | 29°58          | 19°24          | S 23 |
| M24  | 12 4 45  | 3° 5'04          | 11 <b>M</b> 22 | 4°42           | 16°32         | 10°47           | 19°38           | 0°55          | 18°23            | 17°55          | 10°14  | 1°50          | 0°37            | OII 5          | 19°28          | M24  |
| T 25 | 12 8 42  | 4° 4'29          | 26° 3          | 6°43           | 17°39         | 11°25           | 19°40           | 0°51          | 18°27            | 17°54          | 10°D14 | 1°45          | 0°34            | 0°12           | 19°31          | T 25 |
| W26  | 12 12 39 | 5° 3'53          | 10 <b>₮</b> 36 | 8°45           | 18°46         | 12° 2           | 19°43           | 0°47          | 18°30            | 17°53          | 10°14  | 1°42          | 0°31            | 0°18           | 19°34          | W26  |
| T 27 | 12 16 35 | 6° 3'15          | 24°55          | 10°47          | 19°53         | 12°39           | 19°45           | 0°43          | 18°33            | 17°52          | 10°14  | 1°40          | 0°28            | 0°25           | 19°38          | T 27 |
| F 28 | 12 20 32 | 7° 2'35          | 8 <b>궁</b> 59  | 12°50          | 20°59         | 13°16           | 19°46           | 0°39          | 18°37            | 17°51          | 10°15  | 1°D39         | 0°24            | 0°32           | 19°41          | F 28 |
| S 29 | 12 24 28 | 8° 1'54          | 22°46          | 14°52          | 22° 5         | 13°53           | 19°48           | 0°35          | 18°40            | 17°50          | 10°15  | 1°40          | 0°21            | 0°39           | 19°45          | S 29 |
| S 30 | 12 28 25 | 9° 1'10          | 6≈17           | 16°55          | 23°11         | 14°31           | 19°49           | 0°31          | 18°43            | 17°49          | 10°15  | 1°42          | 0°18            | 0°45           | 19°49          | S 30 |
| M31  | 12 32 21 | 10 <b>°</b> 0'25 | 19 <b>≈</b> 33 | 18 <b>Y</b> 56 | 24817         | 15 <b>る</b> 8   | 19 <b>×</b> 751 | 0 <b>M</b> 27 | 18 <b>) (</b> 47 | 17 <b>Ω</b> 48 | 109915 | 1 <b>M</b> 43 | 0 <b>m</b> y 15 | 0 <b>Ⅱ</b> 52  | 19 <b>Y</b> 52 | M31  |

Delta T = 23.54 sec

APRIL 1924 00:00 UT

| Day  | Sid.t    | 0                 | D               | ğ              | φ              | ♂              | 4               | ħ              | )∤(             | ¥              | В      | v              | Ω                   | Ç             | ď              | Day  |
|------|----------|-------------------|-----------------|----------------|----------------|----------------|-----------------|----------------|-----------------|----------------|--------|----------------|---------------------|---------------|----------------|------|
| T 1  | 12 36 18 | 10 <b>Y</b> 59'38 | 2 <b>)</b> (35  | 20 <b>Y</b> 57 | 25 <b>8</b> 22 | 15 <b>る</b> 45 | 19 <b>×</b> 752 | 0°R23          | 18 <b>)</b> (50 | 17°R48         | 109515 | 1°R44          | 0 Mp 12             | 0 <b>Ц</b> 59 | 19 <b>Y</b> 56 | T 1  |
| W 2  | 12 40 14 | 11°58'49          | 15°24           | 22°57          | 26°28          | 16°21          | 19°53           | 0 <b>M</b> .19 | 18°53           | 17 <b>Ω</b> 47 | 10°15  | 1 <b>m</b> 43  | 0° 8                | 1° 6          | 19°59          | W 2  |
| T 3  | 12 44 11 | 12°57'58          | 28° 2           | 24°55          | 27°33          | 16°58          | 19°53           | 0°15           | 18°56           | 17°46          | 10°15  | 1°40           | 0° 5                | 1°12          | 20° 3          | T 3  |
| F 4  | 12 48 8  | 13°57'06          | 10 <b>Y</b> 30  | 26°50          | 28°37          | 17°35          | 19°54           | 0°10           | 18°59           | 17°45          | 10°16  | 1°35           | 0° 2                | 1°19          | 20° 6          | F 4  |
| S 5  | 12 52 4  | 14°56'11          | 22°48           | 28°44          | 29°42          | 18°12          | 19°54           | 0° 6           | 19° 3           | 17°44          | 10°16  | 1°28           | 29 <b>Ω</b> 59      | 1°26          | 20°10          | S 5  |
| S 6  | 12 56 1  | 15°55'14          | 4 <b>8</b> 57   | 0 <b>8</b> 35  | 0Д46           | 18°49          | 19°R54          | 0° 2           | 19° 6           | 17°44          | 10°16  | 1°20           | 29°56               | 1°32          | 20°13          | S 6  |
| M 7  | 12 59 57 | 16°54'15          | 16°59           | 2°23           | 1°50           | 19°25          | 19°54           | 29 <b>≙</b> 57 | 19° 9           | 17°43          | 10°17  | 1°11           | 29°53               | 1°39          | 20°17          | M 7  |
| T 8  | 13 3 54  | 17°53'14          | 28°54           | 4° 7           | 2°54           | 20° 2          | 19°54           | 29°53          | 19°12           | 17°42          | 10°17  | 1° 2           | 29°49               | 1°46          | 20°21          | T 8  |
| W 9  | 13 7 50  | 18°52'10          | 10 <b>Ⅱ</b> 46  | 5°47           | 3°57           | 20°38          | 19°53           | 29°48          | 19°15           | 17°42          | 10°17  | 0°55           | 29°46               | 1°53          | 20°24          | W 9  |
| T 10 | 13 11 47 | 19°51'05          | 22°38           | 7°24           | 5° 0           | 21°15          | 19°53           | 29°44          | 19°18           | 17°41          | 10°18  | 0°49           | 29°43               | 1°59          | 20°28          | T 10 |
| F 11 | 13 15 43 | 20°49'57          | 4932            | 8°56           | 6° 3           | 21°51          | 19°52           | 29°39          | 19°21           | 17°40          | 10°18  | 0°46           | 29°40               | 2° 6          | 20°31          | F 11 |
| S 12 | 13 19 40 | 21°48'47          | 16°35           | 10°23          | 7° 5           | 22°27          | 19°51           | 29°35          | 19°24           | 17°40          | 10°18  | 0°D44          | 29°37               | 2°13          | 20°35          | S 12 |
| S 13 | 13 23 36 | 22°47'35          | 28°50           | 11°46          | 8° 7           | 23° 3          | 19°50           | 29°30          | 19°27           | 17°39          | 10°19  | 0°44           | 29°34               | 2°19          | 20°38          | S 13 |
| M14  | 13 27 33 | 23°46'21          | 11 <b>£</b> 23  | 13° 3          | 9° 9           | 23°40          | 19°48           | 29°26          | 19°30           | 17°39          | 10°19  | 0°45           | 29°30               | 2°26          | 20°42          | M14  |
| T 15 | 13 31 30 | 24°45'04          | 24°18           | 14°16          | 10°11          | 24°16          | 19°47           | 29°21          | 19°33           | 17°38          | 10°20  | 0°R46          | 29°27               | 2°33          | 20°46          | T 15 |
| W16  | 13 35 26 | 25°43'45          | 7 <b>m</b> 39   | 15°23          | 11°12          | 24°52          | 19°45           | 29°17          | 19°36           | 17°38          | 10°20  | 0°46           | 29°24               | 2°40          | 20°49          | W16  |
| T 17 | 13 39 23 | 26°42'23          | 21°28           | 16°24          | 12°12          | 25°27          | 19°43           | 29°12          | 19°39           | 17°38          | 10°21  | 0°44           | 29°21               | 2°46          | 20°53          | T 17 |
| F 18 | 13 43 19 | 27°41'00          | 5 <b>≏</b> 44   | 17°20          | 13°13          | 26° 3          | 19°41           | 29° 7          | 19°42           | 17°37          | 10°21  | 0°40           | 29°18               | 2°53          | 20°56          | F 18 |
| S 19 | 13 47 16 | 28°39'34          | 20°25           | 18°10          | 14°12          | 26°39          | 19°38           | 29° 3          | 19°45           | 17°37          | 10°22  | 0°34           | 29°14               | 3° 0          | 21° 0          | S 19 |
| S 20 | 13 51 12 | 29°38'07          | 5 <b>M</b> 24   | 18°55          | 15°12          | 27°15          | 19°36           | 28°58          | 19°48           | 17°37          | 10°23  | 0°25           | 29°11               | 3° 7          | 21° 3          | S 20 |
| M21  | 13 55 9  | 0 <b>8</b> 36'38  | 20°31           | 19°33          | 16°11          | 27°50          | 19°33           | 28°54          | 19°51           | 17°36          | 10°23  | 0°16           | 29° 8               | 3°13          | 21° 7          | M21  |
| T 22 | 13 59 5  | 1°35'07           | 5 <b>₹</b> 36   | 20° 6          | 17°10          | 28°26          | 19°30           | 28°49          | 19°53           | 17°36          | 10°24  | 0° 8           | 29° 5               | 3°20          | 21°10          | T 22 |
| W23  | 14 3 2   | 2°33'34           | 20°30           | 20°33          | 18° 8          | 29° 1          | 19°27           | 28°45          | 19°56           | 17°36          | 10°25  | 0° 0           | 29° 2               | 3°27          | 21°14          | W23  |
| T 24 | 14 6 59  | 3°32'00           | 5ਰ 6            | 20°54          | 19° 5          | 29°37          | 19°24           | 28°40          | 19°59           | 17°36          | 10°25  | 29 <b>N</b> 55 | 28°59               | 3°33          | 21°18          | T 24 |
| F 25 | 14 10 55 | 4°30'24           | 19°19           | 21° 9          | 20° 3          | 0≈12           | 19°21           | 28°35          | 20° 1           | 17°36          | 10°26  | 29°52          | 28°55               | 3°40          | 21°21          | F 25 |
| S 26 | 14 14 52 | 5°28'46           | 3≈ 8            | 21°19          | 20°59          | 0°47           | 19°17           | 28°31          | 20° 4           | 17°35          | 10°27  | 29°D51         | 28°52               | 3°47          | 21°25          | S 26 |
| S 27 | 14 18 48 | 6°27'07           | 16°34           | 21°R23         | 21°56          | 1°22           | 19°14           | 28°26          | 20° 7           | 17°35          | 10°27  | 29°51          | 28°49               | 3°54          | 21°28          | S 27 |
| M28  | 14 22 45 | 7°25'27           | 29°39           | 21°21          | 22°51          | 1°57           | 19°10           | 28°22          | 20° 9           | 17°35          | 10°28  | 29°R51         | 28°46               | 4° 0          | 21°31          | M28  |
| T 29 | 14 26 41 | 8°23'44           | 12 <b>)</b> (27 | 21°14          | 23°47          | 2°32           | 19° 6           | 28°17          | 20°12           | 17°D35         | 10°29  | 29°51          | 28°43               | 4° 7          | 21°35          | T 29 |
| W30  | 14 30 38 | 9822'01           | 25 <b>∺</b> 0   | 218 2          | 24∏41          | 3≈ 6           | 19 <b>×</b> 2   | 28 <b>≏</b> 13 | 20 <b>)</b> 14  | 17 <b>Ω</b> 35 | 10930  | 29 <b>Ω</b> 48 | 28 <b>\Omega</b> 40 | 4 <b>Ⅱ</b> 14 | 21 <b>Y</b> 38 | W30  |

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| Day  | Sid.t    | 0                | D               | ğ              | ·       | ♂              | 4               | ħ              | )f(            | ¥              | Р      | n              | Ω             | Ç             | ę<br>k         | Day  |
|------|----------|------------------|-----------------|----------------|---------|----------------|-----------------|----------------|----------------|----------------|--------|----------------|---------------|---------------|----------------|------|
| T 1  | 14 34 34 | 10820'15         | 7 <b>Υ</b> 23   | 20°R45         | 25耳35   | 3≈41           | 18°R57          | 28°R 9         | 20 <b>)</b> 17 | 17 <b>Ω</b> 35 | 10931  | 29°R43         | 28€36         | 4 <b>∏</b> 20 | 21 <b>Y</b> 42 | T 1  |
| F 2  | 14 38 31 | 11°18'28         | 19°36           | 20824          | 26°29   | 4°15           | 18 <b>×</b> 753 | 28 <b>♀</b> 4  | 20°19          | 17°36          | 10°32  | 29 <b>N</b> 35 | 28°33         | 4°27          | 21°45          | F 2  |
| S 3  | 14 42 28 | 12°16'40         | 1842            | 19°59          | 27°22   | 4°50           | 18°48           | 28° 0          | 20°22          | 17°36          | 10°32  | 29°24          | 28°30         | 4°34          | 21°49          | S 3  |
| S 4  | 14 46 24 | 13°14'50         | 13°42           | 19°30          | 28°14   | 5°24           | 18°43           | 27°55          | 20°24          | 17°36          | 10°33  | 29°11          | 28°27         | 4°41          | 21°52          | S 4  |
| M 5  | 14 50 21 | 14°12'58         | 25°38           | 18°59          | 29° 5   | 5°58           | 18°38           | 27°51          | 20°27          | 17°36          | 10°34  | 28°58          | 28°24         | 4°47          | 21°55          | M 5  |
| T 6  | 14 54 17 | 15°11'04         | 7 <b>Ⅲ</b> 31   | 18°25          | 29°56   | 6°32           | 18°33           | 27°47          | 20°29          | 17°36          | 10°35  | 28°44          | 28°20         | 4°54          | 21°59          | T 6  |
| W 7  | 14 58 14 | 16° 9'09         | 19°22           | 17°50          | 09୍ଦେ46 | 7° 6           | 18°28           | 27°43          | 20°31          | 17°37          | 10°36  | 28°32          | 28°17         | 5° 1          | 22° 2          | W 7  |
| T 8  | 15 2 10  | 17° 7'12         | 19514           | 17°14          | 1°36    | 7°39           | 18°22           | 27°38          | 20°33          | 17°37          | 10°37  | 28°23          | 28°14         | 5° 8          | 22° 5          | T 8  |
| F 9  | 15 6 7   | 18° 5'13         | 13° 9           | 16°37          | 2°24    | 8°13           | 18°17           | 27°34          | 20°36          | 17°37          | 10°38  | 28°16          | 28°11         | 5°14          | 22° 9          | F 9  |
| S 10 | 15 10 3  | 19° 3'12         | 25°11           | 16° 0          | 3°12    | 8°46           | 18°11           | 27°30          | 20°38          | 17°37          | 10°39  | 28°11          | 28° 8         | 5°21          | 22°12          | S 10 |
| S 11 | 15 14 0  | 20° 1'10         | 7 <b>Ω</b> 25   | 15°25          | 3°59    | 9°19           | 18° 5           | 27°26          | 20°40          | 17°38          | 10°40  | 28° 9          | 28° 5         | 5°28          | 22°15          | S 11 |
| M12  | 15 17 57 | 20°59'05         | 19°54           | 14°50          | 4°45    | 9°52           | 17°59           | 27°22          | 20°42          | 17°38          | 10°41  | 28° 9          | 28° 1         | 5°34          | 22°19          | M12  |
| T 13 | 15 21 53 | 21°56'59         | 2 Mp 44         | 14°18          | 5°31    | 10°25          | 17°53           | 27°18          | 20°44          | 17°39          | 10°42  | 28° 9          | 27°58         | 5°41          | 22°22          | T 13 |
| W14  | 15 25 50 | 22°54'51         | 16° 0           | 13°49          | 6°15    | 10°58          | 17°47           | 27°14          | 20°46          | 17°39          | 10°43  | 28° 8          | 27°55         | 5°48          | 22°25          | W14  |
| T 15 | 15 29 46 | 23°52'41         | 29°44           | 13°22          | 6°58    | 11°30          | 17°41           | 27°10          | 20°48          | 17°40          | 10°44  | 28° 5          | 27°52         | 5°55          | 22°28          | T 15 |
| F 16 | 15 33 43 | 24°50'30         | 13 <b>≏</b> 57  | 12°59          | 7°41    | 12° 3          | 17°34           | 27° 6          | 20°50          | 17°40          | 10°45  | 28° 0          | 27°49         | 6° 1          | 22°31          | F 16 |
| S 17 | 15 37 39 | 25°48'16         | 28°39           | 12°40          | 8°22    | 12°35          | 17°28           | 27° 3          | 20°52          | 17°41          | 10°47  | 27°53          | 27°45         | 6° 8          | 22°34          | S 17 |
| S 18 | 15 41 36 | 26°46'02         | 13 <b>M</b> .43 | 12°24          | 9° 2    | 13° 7          | 17°21           | 26°59          | 20°54          | 17°42          | 10°48  | 27°43          | 27°42         | 6°15          | 22°38          | S 18 |
| M19  | 15 45 32 | 27°43'45         | 29° 0           | 12°13          | 9°41    | 13°39          | 17°14           | 26°55          | 20°56          | 17°42          | 10°49  | 27°32          | 27°39         | 6°21          | 22°41          | M19  |
| T 20 | 15 49 29 | 28°41'28         | 14 <b>×</b> 20  | 12° 6          | 10°19   | 14°11          | 17° 8           | 26°52          | 20°57          | 17°43          | 10°50  | 27°22          | 27°36         | 6°28          | 22°44          | T 20 |
| W21  | 15 53 26 | 29°39'09         | 29°30           | 12°D 4         | 10°56   | 14°42          | 17° 1           | 26°48          | 20°59          | 17°44          | 10°51  | 27°13          | 27°33         | 6°35          | 22°47          | W21  |
| T 22 | 15 57 22 | 0耳36'50          | 14 <b>る</b> 21  | 12° 6          | 11°31   | 15°13          | 16°54           | 26°45          | 21° 1          | 17°44          | 10°52  | 27° 6          | 27°30         | 6°42          | 22°50          | T 22 |
| F 23 | 16 1 19  | 1°34'29          | 28°47           | 12°13          | 12° 5   | 15°44          | 16°47           | 26°42          | 21° 2          | 17°45          | 10°54  | 27° 1          | 27°26         | 6°48          | 22°53          | F 23 |
| S 24 | 16 5 15  | 2°32'07          | 12 <b>≈</b> 44  | 12°24          | 12°38   | 16°15          | 16°40           | 26°38          | 21° 4          | 17°46          | 10°55  | 26°59          | 27°23         | 6°55          | 22°56          | S 24 |
| S 25 | 16 9 12  | 3°29'44          | 26°14           | 12°40          | 13° 9   | 16°46          | 16°32           | 26°35          | 21° 5          | 17°47          | 10°56  | 26°59          | 27°20         | 7° 2          | 22°59          | S 25 |
| M26  | 16 13 8  | 4°27'20          | 9 <b>∺</b> 20   | 13° 0          | 13°39   | 17°16          | 16°25           | 26°32          | 21° 7          | 17°48          | 10°57  | 26°59          | 27°17         | 7° 9          | 23° 1          | M26  |
| T 27 | 16 17 5  | 5°24'55          | 22° 3           | 13°25          | 14° 8   | 17°46          | 16°18           | 26°29          | 21° 8          | 17°49          | 10°59  | 26°58          | 27°14         | 7°15          | 23° 4          | T 27 |
| W28  | 16 21 1  | 6°22'29          | <b>4</b> Υ30    | 13°53          | 14°34   | 18°16          | 16°10           | 26°26          | 21°10          | 17°49          | 11° 0  | 26°55          | 27°11         | 7°22          | 23° 7          | W28  |
| T 29 | 16 24 58 | 7°20'03          | 16°44           | 14°26          | 15° 0   | 18°46          | 16° 3           | 26°23          | 21°11          | 17°50          | 11° 1  | 26°50          | 27° 7         | 7°29          | 23°10          | T 29 |
| F 30 | 16 28 55 | 8°17'35          | 28°48           | 15° 3          | 15°23   | 19°16          | 15°55           | 26°20          | 21°13          | 17°51          | 11° 2  | 26°42          | 27° 4         | 7°35          | 23°13          | F 30 |
| S 31 | 16 32 51 | 9 <b>Ⅱ</b> 15'07 | 10847           | 15 <b>8</b> 44 | 15945   | 19 <b>≈</b> 45 | 15 <b>×7</b> 48 | 26 <b>₽</b> 17 | 21 <b>)</b> 14 | 17 <b>Ω</b> 52 | 1195 4 | 26 <b>Ω</b> 32 | 27 <b>0</b> 1 | 7 <b>Ⅱ</b> 42 | 23 <b>Y</b> 15 | S 31 |

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| Day  | Sid.t    | $\odot$           | D              | φ              | Ŷ      | ď             | 4              | ħ              | )ұ(            | ¥              | 2      | ß              | Ω     | ţ               | Š              | Day  |
|------|----------|-------------------|----------------|----------------|--------|---------------|----------------|----------------|----------------|----------------|--------|----------------|-------|-----------------|----------------|------|
| S 1  | 16 36 48 | 10 <b>Ⅱ</b> 12'37 | 22841          | 16 <b>8</b> 29 | 1695 5 | 20≈14         | 15°R40         | 26°R15         | 21 <b>)</b> 15 | 17 <b>Ω</b> 53 | 1195 5 | 26°R19         | 26€58 | 7 <b>Ⅱ</b> 49   | 23 <b>Y</b> 18 | S 1  |
| M 2  | 16 40 44 | 11°10'07          | 4 <b>Ⅲ</b> 33  | 17°17          | 16°23  | 20°42         | 15 <b>×</b> 33 | 26 <b>₽</b> 12 | 21°16          | 17°55          | 11° 6  | 26⋒ 6          | 26°55 | 7°56            | 23°21          | M 2  |
| T 3  | 16 44 41 | 12° 7'36          | 16°25          | 18° 9          | 16°40  | 21°11         | 15°25          | 26°10          | 21°17          | 17°56          | 11°8   | 25°53          | 26°51 | 8° 2            | 23°23          | T 3  |
| W 4  | 16 48 37 | 13° 5'04          | 28°17          | 19° 5          | 16°54  | 21°39         | 15°17          | 26° 7          | 21°19          | 17°57          | 11° 9  | 25°41          | 26°48 | 8° 9            | 23°26          | W 4  |
| T 5  | 16 52 34 | 14° 2'31          | 109513         | 20° 4          | 17° 6  | 22° 6         | 15°10          | 26° 5          | 21°20          | 17°58          | 11°10  | 25°31          | 26°45 | 8°16            | 23°28          | T 5  |
| F 6  | 16 56 30 | 14°59'56          | 22°12          | 21° 7          | 17°16  | 22°34         | 15° 2          | 26° 3          | 21°21          | 17°59          | 11°12  | 25°24          | 26°42 | 8°22            | 23°31          | F 6  |
| S 7  | 17 0 27  | 15°57'21          | 4Ω19           | 22°13          | 17°24  | 23° 1         | 14°55          | 26° 1          | 21°22          | 18° 0          | 11°13  | 25°20          | 26°39 | 8°29            | 23°33          | S 7  |
| S 8  | 17 4 24  | 16°54'45          | 16°36          | 23°22          | 17°30  | 23°28         | 14°47          | 25°59          | 21°23          | 18° 2          | 11°15  | 25°18          | 26°36 | 8°36            | 23°36          | S 8  |
| M 9  | 17 8 20  | 17°52'07          | 29° 7          | 24°34          | 17°34  | 23°54         | 14°39          | 25°57          | 21°23          | 18° 3          | 11°16  | 25°D17         | 26°32 | 8°43            | 23°38          | M 9  |
| T 10 | 17 12 17 | 18°49'29          | 11 <b>M</b> 56 | 25°49          | 17°R35 | 24°20         | 14°32          | 25°55          | 21°24          | 18° 4          | 11°17  | 25°18          | 26°29 | 8°49            | 23°41          | T 10 |
| W11  | 17 16 13 | 19°46'49          | 25° 8          | 27° 8          | 17°34  | 24°46         | 14°24          | 25°53          | 21°25          | 18° 5          | 11°19  | 25°R18         | 26°26 | 8°56            | 23°43          | W11  |
| T 12 | 17 20 10 | 20°44'09          | 8 <b>≏</b> 45  | 28°29          | 17°30  | 25°12         | 14°16          | 25°51          | 21°26          | 18° 7          | 11°20  | 25°16          | 26°23 | 9° 3            | 23°45          | T 12 |
| F 13 | 17 24 6  | 21°41'27          | 22°49          | 29°54          | 17°25  | 25°37         | 14° 9          | 25°50          | 21°26          | 18° 8          | 11°22  | 25°13          | 26°20 | 9°10            | 23°48          | F 13 |
| S 14 | 17 28 3  | 22°38'45          | 7 <b>M</b> 21  | 1∏22           | 17°16  | 26° 1         | 14° 1          | 25°48          | 21°27          | 18°10          | 11°23  | 25° 7          | 26°17 | 9°16            | 23°50          | S 14 |
| S 15 | 17 31 59 | 23°36'01          | 22°16          | 2°52           | 17° 5  | 26°26         | 13°54          | 25°47          | 21°28          | 18°11          | 11°25  | 25° 0          | 26°13 | 9°23            | 23°52          | S 15 |
| M16  | 17 35 56 | 24°33'17          | 7 <b>.</b> ₹26 | 4°26           | 16°52  | 26°50         | 13°47          | 25°45          | 21°28          | 18°13          | 11°26  | 24°51          | 26°10 | 9°30            | 23°54          | M16  |
| T 17 | 17 39 53 | 25°30'33          | 22°43          | 6° 2           | 16°37  | 27°13         | 13°39          | 25°44          | 21°29          | 18°14          | 11°28  | 24°43          | 26° 7 | 9°36            | 23°56          | T 17 |
| W18  | 17 43 49 | 26°27'48          | 7 <b>궁</b> 55  | 7°42           | 16°19  | 27°36         | 13°32          | 25°43          | 21°29          | 18°15          | 11°29  | 24°35          | 26° 4 | 9°43            | 23°58          | W18  |
| T 19 | 17 47 46 | 27°25'02          | 22°51          | 9°24           | 15°59  | 27°59         | 13°25          | 25°42          | 21°29          | 18°17          | 11°31  | 24°29          | 26° 1 | 9°50            | 24° 0          | T 19 |
| F 20 | 17 51 42 | 28°22'16          | 7≈24           | 11° 9          | 15°36  | 28°21         | 13°17          | 25°41          | 21°30          | 18°19          | 11°32  | 24°26          | 25°57 | 9°57            | 24° 2          | F 20 |
| S 21 | 17 55 39 | 29°19'30          | 21°30          | 12°57          | 15°12  | 28°43         | 13°10          | 25°40          | 21°30          | 18°20          | 11°34  | 24°D25         | 25°54 | 10° 3           | 24° 4          | S 21 |
| S 22 | 17 59 35 | 09516'43          | 5 <b>)</b> 8   | 14°48          | 14°45  | 29° 5         | 13° 3          | 25°39          | 21°30          | 18°22          | 11°35  | 24°25          | 25°51 | 10°10           | 24° 6          | S 22 |
| M23  | 18 3 32  | 1°13'56           | 18°19          | 16°41          | 14°17  | 29°26         | 12°56          | 25°39          | 21°31          | 18°23          | 11°37  | 24°26          | 25°48 | 10°17           | 24° 8          | M23  |
| T 24 | 18 7 28  | 2°11'10           | 1 <b>Υ</b> 5   | 18°37          | 13°46  | 29°46         | 12°49          | 25°38          | 21°31          | 18°25          | 11°38  | 24°R27         | 25°45 | 10°23           | 24° 9          | T 24 |
| W25  | 18 11 25 | 3° 8'23           | 13°33          | 20°35          | 13°14  | 0 <b>∺</b> 6  | 12°43          | 25°38          | 21°31          | 18°27          | 11°40  | 24°26          | 25°42 | 10°30           | 24°11          | W25  |
| T 26 | 18 15 22 | 4° 5'36           | 25°45          | 22°36          | 12°41  | 0°26          | 12°36          | 25°37          | 21°31          | 18°28          | 11°41  | 24°24          | 25°38 | 10°37           | 24°13          | T 26 |
| F 27 | 18 19 18 | 5° 2'49           | 7 <b>8</b> 46  | 24°38          | 12° 7  | 0°45          | 12°29          | 25°37          | 21°R31         | 18°30          | 11°43  | 24°19          | 25°35 | 10°44           | 24°14          | F 27 |
| S 28 | 18 23 15 | 6° 0'02           | 19°41          | 26°43          | 11°31  | 1° 3          | 12°23          | 25°37          | 21°31          | 18°32          | 11°44  | 24°13          | 25°32 | 10°50           | 24°16          | S 28 |
| S 29 | 18 27 11 | 6°57'15           | 1 <b>Ⅲ</b> 33  | 28°49          | 10°55  | 1°21          | 12°16          | 25°D37         | 21°31          | 18°34          | 11°46  | 24° 5          | 25°29 | 10°57           | 24°18          | S 29 |
| M30  | 18 31 8  | 7954'29           | 13 <b>Ⅱ</b> 25 | 0957           | 109518 | 1 <b>∺</b> 38 | 12 <b>×</b> 10 | 25 <b>≗</b> 37 | 21 <b>米</b> 31 | 18 <b>Ω</b> 35 | 119547 | 23 <b>£</b> 57 | 25№26 | 11 <b>I</b> I 4 | 24 <b>Y</b> 19 | M30  |

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| Day          | Sid.t                | 0                    | D                      | φ                      | Q.                     | δ             | 4                        | ħ                       | )f(             | ¥                       | В              | ₽.                           | u                           | Ç                        | , k             | Day          |
|--------------|----------------------|----------------------|------------------------|------------------------|------------------------|---------------|--------------------------|-------------------------|-----------------|-------------------------|----------------|------------------------------|-----------------------------|--------------------------|-----------------|--------------|
| T 1          | 18 35 4              | 8951'42              | 25 <b>Ⅱ</b> 18         | 3 <b>9</b> 5           | 9°R40                  | 1 <b>∺</b> 55 | 12°R 4                   | 25 <b>≙</b> 37          | 21°R30          | 18 <b>Ω</b> 37          | 119549         | 23°R48                       | 25⋒23                       | 11 <b>I</b> I10          | 24 <b>Y</b> 21  | T 1          |
| W 2          | 18 39 1              | 9°48'55              | 7 <b>9</b> 315         | 5°15                   | 999 3                  | 2°11          | 11 <b>×</b> 758          | 25°37                   | 21 <b>米</b> 30  | 18°39                   | 11°50          | 23 <b>\O</b> 40              | 25°19                       | 11°17                    | 24°22           | W 2          |
| T 3          | 18 42 57             | 10°46'08             | 19°17                  | 7°25                   | 8°26                   | 2°27          | 11°52                    | 25°38                   | 21°30           | 18°41                   | 11°52          | 23°34                        | 25°16                       | 11°24                    | 24°23           | T 3          |
| F 4          | 18 46 54             | 11°43'21             | 1026                   | 9°36                   | 7°49                   | 2°42          | 11°46                    | 25°38                   | 21°29           | 18°43                   | 11°53          | 23°30                        | 25°13                       | 11°31                    | 24°25           | F 4          |
| S 5          | 18 50 51             | 12°40'34             | 13°43                  | 11°46                  | 7°12                   | 2°56          | 11°41                    | 25°39                   | 21°29           | 18°44                   | 11°55          | 23°28                        | 25°10                       | 11°37                    | 24°26           | S 5          |
| S 6          | 18 54 47             | 13°37'47             | 26°11                  | 13°56                  | 6°36                   | 3°10          | 11°35                    | 25°39                   | 21°29           | 18°46                   | 11°56          | 23°D27                       | 25° 7                       | 11°44                    | 24°27           | S 6          |
| M 7          | 18 58 44             | 14°35'00             | 8 M 52                 | 16° 6                  | 6° 2                   | 3°23          | 11°30                    | 25°40                   | 21°28           | 18°48                   | 11°58          | 23°28                        | 25° 3                       | 11°51                    | 24°28           | M 7          |
| T 8<br>W 9   | 19 2 40              | 15°32'12             | 21°49                  | 18°15                  | 5°28                   | 3°35          | 11°24                    | 25°41                   | 21°28           | 18°50                   | 11°59          | 23°30                        | 25° 0                       | 11°58                    | 24°29           | T 8<br>W 9   |
| T 10         | 19 6 37<br>19 10 33  | 16°29'25<br>17°26'37 | 5 <b>₾</b> 3<br>18°38  | 20°22<br>22°29         | 4°56<br>4°26           | 3°47<br>3°58  | 11°19<br>11°14           | 25°42<br>25°43          | 21°27<br>21°26  | 18°52<br>18°54          | 12° 1<br>12° 2 | 23°31<br>23°R31              | 24°57<br>24°54              | 12° 4<br>12°11           | 24°30<br>24°31  | T 10         |
| F 11         | 19 10 33             | 17 20 37<br>18°23'49 | 2ML35                  | 24°35                  | 3°57                   | 4° 9          | 11° 9                    | 25°44                   | 21°26           | 18°56                   | 12° 4          | 23°31                        | 24°51                       | 12°18                    | 24°32           | F 11         |
| S 12         | 19 18 26             | 19°21'01             | 16°53                  | 26°39                  | 3°30                   | 4°19          | 11° 5                    | 25°45                   | 21°25           | 18°58                   | 12° 5          | 23°28                        | 24°48                       | 12°24                    | 24°33           | S 12         |
| S 13         | 19 22 23             | 20°18'13             | 1 <b>₹</b> 31          | 28°41                  | 3° 6                   | 4°28          | 11° 0                    | 25°47                   | 21°24           | 19° 0                   | 12° 7          | 23°25                        | 24°44                       | 12°31                    | 24°34           | S 13         |
| M14          | 19 26 20             | 20 18 13<br>21°15'25 | 16°23                  | $0\Omega^{41}$         | 2°43                   | 4°36          | 10°56                    | 25°48                   | 21°24           | 19° 0                   | 12° 8          | 23°20                        | 24°41                       | 12°38                    | 24°35           | M14          |
| T 15         | 19 30 16             | 22°12'38             | 1 <del>5</del> 22      | 2°41                   | 2°23                   | 4°44          | 10°52                    | 25°50                   | 21°23           | 19° 4                   | 12°10          | 23°16                        | 24°38                       | 12°45                    | 24°36           | T 15         |
| W16          | 19 34 13             | 23° 9'50             | 16°20                  | 4°39                   | 2° 4                   | 4°50          | 10°48                    | 25°51                   | 21°22           | 19° 6                   | 12°11          | 23°12                        | 24°35                       | 12°51                    | 24°36           | W16          |
| T 17         | 19 38 9              | 24° 7'03             | 1≈ 7                   | 6°34                   | 1°48                   | 4°57          | 10°44                    | 25°53                   | 21°21           | 19°8                    | 12°13          | 23°10                        | 24°32                       | 12°58                    | 24°37           | T 17         |
| F 18         | 19 42 6              | 25° 4'17             | 15°36                  | 8°28                   | 1°35                   | 5° 2          | 10°40                    | 25°55                   | 21°20           | 19°10                   | 12°14          | 23° 8                        | 24°29                       | 13° 5                    | 24°38           | F 18         |
| S 19         | 19 46 2              | 26° 1'31             | 29°42                  | 10°20                  | 1°24                   | 5° 7          | 10°37                    | 25°57                   | 21°19           | 19°12                   | 12°16          | 23°D 8                       | 24°25                       | 13°11                    | 24°38           | S 19         |
| S 20         | 19 49 59             | 26°58'45             | 13 <b>∺</b> 23         | 12°11                  | 1°15                   | 5°11          | 10°33                    | 25°59                   | 21°18           | 19°14                   | 12°17          | 23° 9                        | 24°22                       | 13°18                    | 24°39           | S 20         |
| M21          | 19 53 56             | 27°56'00             | 26°39                  | 13°59                  | 1° 9                   | 5°14          | 10°30                    | 26° 1                   | 21°17           | 19°16                   | 12°19          | 23°11                        | 24°19                       | 13°25                    | 24°39           | M21          |
| T 22         | 19 57 52             | 28°53'16             | 9 <b>Ƴ</b> 30          | 15°46                  | 1° 5                   | 5°16          | 10°27                    | 26° 3                   | 21°16           | 19°18                   | 12°20          | 23°12                        | 24°16                       | 13°32                    | 24°39           | T 22         |
| W23          | 20 1 49              | 29°50'33             | 22° 1                  | 17°31                  | 1°D 3                  | 5°18          | 10°24                    | 26° 5                   | 21°14           | 19°20                   | 12°22          | 23°13                        | 24°13                       | 13°38                    | 24°40           | W23          |
| T 24         | 20 5 45              | 0 <b>Ω</b> 47'51     | 4815                   | 19°14                  | 1° 4                   | 5°R19         | 10°22                    | 26° 8                   | 21°13           | 19°23                   | 12°23          | 23°R13                       | 24° 9                       | 13°45                    | 24°40           | T 24         |
| F 25<br>S 26 | 20 9 42<br>20 13 38  | 1°45'10<br>2°42'29   | 16°18<br>28°13         | 20°56<br>22°35         | 1° 7<br>1°13           | 5°18<br>5°18  | 10°19<br>10°17           | 26°10<br>26°13          | 21°12<br>21°11  | 19°25<br>19°27          | 12°25<br>12°26 | 23°13<br>23°11               | 24° 6<br>24° 3              | 13°52<br>13°58           | 24°40<br>24°40  | F 25<br>S 26 |
|              |                      |                      |                        |                        | _                      |               |                          |                         |                 |                         |                | _                            | _                           |                          | _               | 1            |
| S 27         | 20 17 35             | 3°39'50              | 10 <b>I</b> 5          | 24°13                  | 1°20                   | 5°16          | 10°15                    | 26°15                   | 21° 9           | 19°29                   | 12°28          | 23° 8                        | 24° 0                       | 14° 5                    | 24°40           | S 27         |
| M28          | 20 21 31             | 4°37'11              | 21°57                  | 25°49                  | 1°30                   | 5°14          | 10°13                    | 26°18                   | 21° 8           | 19°31                   | 12°29          | 23° 6                        | 23°57                       | 14°12                    | 24°41           | M28          |
| T 29<br>W30  | 20 25 28<br>20 29 25 | 5°34'34<br>6°31'57   | 3 <b>©</b> 54<br>15°57 | 27°24<br>28°56         | 1°42<br>1°56           | 5°10<br>5° 6  | 10°11<br>10° 9           | 26°21<br>26°24          | 21° 6<br>21° 5  | 19°33<br>19°36          | 12°30<br>12°32 | 23° 3<br>23° 0               | 23°54<br>23°50              | 14°19<br>14°25           | 24°R41<br>24°40 | T 29<br>W30  |
| T 31         | 20 29 25 20 33 21    | $7\Omega_{29'22}$    | 2895 8                 | 28°56<br>0 <b>m</b> 27 | 1°56<br>2 <b>9</b> 311 | 5° 6<br>5₩ 2  | 10° 9<br>10 <b>×</b> 7 8 | 26°24<br>26 <b>Ω</b> 27 | 21 3            | 19°36<br>19 <b>Ω</b> 38 | 12°32          | $23^{\circ} 0$ $22\Omega 58$ | $23^{\circ}50$ $23\Omega47$ | 14°25<br>14 <b>II</b> 32 | 24°40<br>24°40  | T 31         |
| 1 31         | 20 33 21             | 1062922              | ه فخه ۵                | UIIĮ/Z/                | 110قت∠                 | 3 K Z         | 10%, 9                   | 20 <b>==</b> 2/         | 21 <b>/</b> ( ) | 170630                  | 12=933         | 22 <b>0 (</b> 38             | 23 <b>0 (</b> 4/            | 14Д32                    | 24 <b>  4</b> 0 | 1 31         |

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AUGUST 1924 00:00 UT

| Day  | Sid.t    | $\odot$          | D               | φ              | Ŷ      | ď             | 4               | ħ              | )ұ(           | <del>¥</del>   | P 2    | ß              | Ω              | ţ              | δ              | Day  |
|------|----------|------------------|-----------------|----------------|--------|---------------|-----------------|----------------|---------------|----------------|--------|----------------|----------------|----------------|----------------|------|
| F 1  | 20 37 18 | 8 <b>Ω</b> 26'47 | 10Ω30           | 1 Mp 56        | 29529  | 4°R56         | 10°R 7          | 26 <u>₽</u> 30 | 21°R 2        | 19 <b>Ω</b> 40 | 12935  | 22°R57         | 23 <b>Ω</b> 44 | 14 <b>Ⅲ</b> 39 | 24°R40         | F 1  |
| S 2  | 20 41 14 | 9°24'13          | 23° 4           | 3°23           | 2°49   | 4 <b>∺</b> 50 | 10 <b>才</b> 6   | 26°33          | 21 <b>米</b> 0 | 19°42          | 12°36  | 22°D57         | 23°41          | 14°45          | 24 <b>Y</b> 40 | S 2  |
| S 3  | 20 45 11 | 10°21'40         | 5 <b>m</b> 50   | 4°49           | 3°10   | 4°43          | 10° 5           | 26°36          | 20°59         | 19°44          | 12°37  | 22 <b>N</b> 57 | 23°38          | 14°52          | 24°40          | S 3  |
| M 4  | 20 49 7  | 11°19'07         | 18°49           | 6°12           | 3°33   | 4°35          | 10° 4           | 26°40          | 20°57         | 19°46          | 12°39  | 22°58          | 23°35          | 14°59          | 24°39          | M 4  |
| T 5  | 20 53 4  | 12°16'36         | 2 <b>≏</b> 2    | 7°34           | 3°58   | 4°26          | 10° 4           | 26°43          | 20°55         | 19°49          | 12°40  | 22°59          | 23°31          | 15° 6          | 24°39          | T 5  |
| W 6  | 20 57 0  | 13°14'05         | 15°30           | 8°54           | 4°24   | 4°17          | 10° 3           | 26°47          | 20°54         | 19°51          | 12°41  | 23° 0          | 23°28          | 15°12          | 24°39          | W 6  |
| T 7  | 21 0 57  | 14°11'35         | 29°12           | 10°11          | 4°52   | 4° 7          | 10°D 3          | 26°50          | 20°52         | 19°53          | 12°43  | 23° 0          | 23°25          | 15°19          | 24°38          | T 7  |
| F 8  | 21 4 53  | 15° 9'06         | 13 <b>M</b> 8   | 11°27          | 5°21   | 3°57          | 10° 3           | 26°54          | 20°50         | 19°55          | 12°44  | 23°R 1         | 23°22          | 15°26          | 24°38          | F 8  |
| S 9  | 21 8 50  | 16° 6'37         | 27°18           | 12°41          | 5°52   | 3°46          | 10° 4           | 26°58          | 20°48         | 19°58          | 12°45  | 23° 1          | 23°19          | 15°32          | 24°37          | S 9  |
| S 10 | 21 12 47 | 17° 4'10         | 11 <b>×7</b> 40 | 13°52          | 6°24   | 3°34          | 10° 4           | 27° 2          | 20°46         | 20° 0          | 12°47  | 23° 0          | 23°15          | 15°39          | 24°36          | S 10 |
| M11  | 21 16 43 | 18° 1'43         | 26°10           | 15° 1          | 6°58   | 3°22          | 10° 5           | 27° 5          | 20°44         | 20° 2          | 12°48  | 23° 0          | 23°12          | 15°46          | 24°36          | M11  |
| T 12 | 21 20 40 | 18°59'18         | 10 <b>る</b> 43  | 16° 8          | 7°33   | 3° 9          | 10° 5           | 27° 9          | 20°43         | 20° 4          | 12°49  | 22°59          | 23° 9          | 15°53          | 24°35          | T 12 |
| W13  | 21 24 36 | 19°56'53         | 25°16           | 17°13          | 8° 9   | 2°56          | 10° 6           | 27°14          | 20°41         | 20° 6          | 12°51  | 22°59          | 23° 6          | 15°59          | 24°34          | W13  |
| T 14 | 21 28 33 | 20°54'29         | 9 <b>≈</b> 41   | 18°15          | 8°46   | 2°43          | 10° 8           | 27°18          | 20°39         | 20° 9          | 12°52  | 22°59          | 23° 3          | 16° 6          | 24°33          | T 14 |
| F 15 | 21 32 29 | 21°52'07         | 23°53           | 19°15          | 9°25   | 2°29          | 10° 9           | 27°22          | 20°37         | 20°11          | 12°53  | 22°D59         | 23° 0          | 16°13          | 24°33          | F 15 |
| S 16 | 21 36 26 | 22°49'45         | 7 <b>∺</b> 49   | 20°11          | 10° 4  | 2°14          | 10°11           | 27°26          | 20°35         | 20°13          | 12°54  | 22°R59         | 22°56          | 16°19          | 24°32          | S 16 |
| S 17 | 21 40 22 | 23°47'25         | 21°24           | 21° 5          | 10°45  | 2° 0          | 10°12           | 27°31          | 20°33         | 20°15          | 12°56  | 22°59          | 22°53          | 16°26          | 24°31          | S 17 |
| M18  | 21 44 19 | 24°45'07         | 4 <b>Υ</b> 38   | 21°56          | 11°27  | 1°45          | 10°14           | 27°35          | 20°31         | 20°18          | 12°57  | 22°59          | 22°50          | 16°33          | 24°30          | M18  |
| T 19 | 21 48 16 | 25°42'50         | 17°30           | 22°43          | 12° 9  | 1°29          | 10°16           | 27°40          | 20°28         | 20°20          | 12°58  | 22°58          | 22°47          | 16°40          | 24°29          | T 19 |
| W20  | 21 52 12 | 26°40'34         | 0 <b>8</b> 3    | 23°28          | 12°53  | 1°14          | 10°19           | 27°44          | 20°26         | 20°22          | 12°59  | 22°58          | 22°44          | 16°46          | 24°27          | W20  |
| T 21 | 21 56 9  | 27°38'21         | 12°20           | 24° 8          | 13°38  | 0°58          | 10°21           | 27°49          | 20°24         | 20°24          | 13° 0  | 22°58          | 22°40          | 16°53          | 24°26          | T 21 |
| F 22 | 22 0 5   | 28°36'09         | 24°24           | 24°45          | 14°23  | 0°42          | 10°24           | 27°54          | 20°22         | 20°26          | 13° 1  | 22°D57         | 22°37          | 17° 0          | 24°25          | F 22 |
| S 23 | 22 4 2   | 29°33'58         | 6 <b>Ⅱ</b> 20   | 25°18          | 15°10  | 0°26          | 10°26           | 27°59          | 20°20         | 20°29          | 13° 2  | 22°57          | 22°34          | 17° 6          | 24°24          | S 23 |
| S 24 | 22 7 58  | 0 <b>m</b> 31'50 | 18°12           | 25°46          | 15°57  | 0°10          | 10°29           | 28° 3          | 20°18         | 20°31          | 13° 4  | 22°58          | 22°31          | 17°13          | 24°22          | S 24 |
| M25  | 22 11 55 | 1°29'43          | 0න 6            | 26°10          | 16°45  | 29≈54         | 10°33           | 28° 8          | 20°15         | 20°33          | 13° 5  | 22°58          | 22°28          | 17°20          | 24°21          | M25  |
| T 26 | 22 15 51 | 2°27'38          | 12° 5           | 26°29          | 17°34  | 29°39         | 10°36           | 28°13          | 20°13         | 20°35          | 13° 6  | 22°59          | 22°25          | 17°26          | 24°20          | T 26 |
| W27  | 22 19 48 | 3°25'35          | 24°13           | 26°43          | 18°23  | 29°23         | 10°39           | 28°19          | 20°11         | 20°37          | 13° 7  | 23° 0          | 22°21          | 17°33          | 24°18          | W27  |
| T 28 | 22 23 45 | 4°23'33          | 6 <b>Ω</b> 33   | 26°52          | 19°14  | 29° 7         | 10°43           | 28°24          | 20° 9         | 20°40          | 13° 8  | 23° 1          | 22°18          | 17°40          | 24°17          | T 28 |
| F 29 | 22 27 41 | 5°21'33          | 19° 8           | 26°R56         | 20° 5  | 28°52         | 10°47           | 28°29          | 20° 6         | 20°42          | 13° 9  | 23°R 2         | 22°15          | 17°47          | 24°15          | F 29 |
| S 30 | 22 31 38 | 6°19'35          | 2 Mg 0          | 26°53          | 20°56  | 28°37         | 10°51           | 28°34          | 20° 4         | 20°44          | 13°10  | 23° 2          | 22°12          | 17°53          | 24°13          | S 30 |
| S 31 | 22 35 34 | 7 <b>m</b> 17'38 | 15 <b>M</b> ) 7 | 26 <b>M</b> 45 | 219549 | 28≈22         | 10 <b>∡</b> 755 | 28 <b>≏</b> 40 | 20 <b>∺</b> 2 | 20 <b>Ω</b> 46 | 139911 | 23\$\Omega\$ 1 | 22 <b>N</b> 9  | 18耳 0          | 24 <b>Y</b> 12 | S 31 |

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SEPTEMBER 1924 00:00 UT

| Day  | Sid.t    | 0                | D               | Ϋ́            | Q               | ď      | 4               | ħ              | )∤(            | ¥               | Р      | ß                   | v             | ţ              | ę,            | Day  |
|------|----------|------------------|-----------------|---------------|-----------------|--------|-----------------|----------------|----------------|-----------------|--------|---------------------|---------------|----------------|---------------|------|
| M 1  | 22 39 31 | 8 mg 15'43       | 28 <b>m</b> /31 | 26°R30        | 229542          | 28°R 7 | 10 <b>×</b> 759 | 28 <b>≏</b> 45 | 19°R59         | 20 <b>Ω</b> 48  | 139512 | 22°R59              | 22 <b>N</b> 6 | 18耳 7          | 24°R10        | M 1  |
| T 2  | 22 43 27 | 9°13'50          | 12 <b>º</b> 9   | 26Mp 9        | 23°35           | 27≈53  | 11° 4           | 28°50          | 19 <b>米</b> 57 | 20°50           | 13°13  | 22 <b>N</b> 57      | 22° 2         | 18°13          | 24 <b>Y</b> 8 | T 2  |
| W 3  | 22 47 24 | 10°11'58         | 25°59           | 25°42         | 24°29           | 27°40  | 11° 9           | 28°56          | 19°55          | 20°52           | 13°14  | 22°55               | 21°59         | 18°20          | 24° 7         | W 3  |
| T 4  | 22 51 20 | 11°10'08         | 9 <b>M</b> 59   | 25° 9         | 25°24           | 27°26  | 11°14           | 29° 2          | 19°52          | 20°55           | 13°15  | 22°53               | 21°56         | 18°27          | 24° 5         | T 4  |
| F 5  | 22 55 17 | 12° 8'19         | 24° 6           | 24°29         | 26°19           | 27°14  | 11°19           | 29° 7          | 19°50          | 20°57           | 13°15  | 22°51               | 21°53         | 18°34          | 24° 3         | F 5  |
| S 6  | 22 59 14 | 13° 6'31         | 8 <b>∡</b> 17   | 23°45         | 27°15           | 27° 2  | 11°24           | 29°13          | 19°48          | 20°59           | 13°16  | 22°D50              | 21°50         | 18°40          | 24° 1         | S 6  |
| S 7  | 23 3 10  | 14° 4'45         | 22°30           | 22°55         | 28°11           | 26°50  | 11°29           | 29°19          | 19°45          | 21° 1           | 13°17  | 22°50               | 21°46         | 18°47          | 23°59         | S 7  |
| M 8  | 23 7 7   | 15° 3'01         | 6 <b>る</b> 42   | 22° 1         | 29° 8           | 26°39  | 11°35           | 29°25          | 19°43          | 21° 3           | 13°18  | 22°51               | 21°43         | 18°54          | 23°57         | M 8  |
| T 9  | 23 11 3  | 16° 1'18         | 20°52           | 21° 3         | 0 <b>Ω</b> 5    | 26°29  | 11°40           | 29°30          | 19°40          | 21° 5           | 13°19  | 22°53               | 21°40         | 19° 0          | 23°55         | T 9  |
| W10  | 23 15 0  | 16°59'36         | 4≈57            | 20° 3         | 1° 3            | 26°19  | 11°46           | 29°36          | 19°38          | 21° 7           | 13°20  | 22°54               | 21°37         | 19° 7          | 23°53         | W10  |
| T 11 | 23 18 56 | 17°57'57         | 18°54           | 19° 2         | 2° 1            | 26°10  | 11°52           | 29°42          | 19°36          | 21° 9           | 13°20  | 22°R55              | 21°34         | 19°14          | 23°51         | T 11 |
| F 12 | 23 22 53 | 18°56'18         | 2 <b>)</b> (42  | 18° 1         | 3° 0            | 26° 2  | 11°58           | 29°48          | 19°33          | 21°11           | 13°21  | 22°55               | 21°31         | 19°21          | 23°49         | F 12 |
| S 13 | 23 26 49 | 19°54'42         | 16°17           | 17° 2         | 3°59            | 25°54  | 12° 4           | 29°54          | 19°31          | 21°13           | 13°22  | 22°53               | 21°27         | 19°27          | 23°47         | S 13 |
| S 14 | 23 30 46 | 20°53'07         | 29°37           | 16° 6         | 4°59            | 25°47  | 12°11           | OM 1           | 19°28          | 21°15           | 13°23  | 22°50               | 21°24         | 19°34          | 23°44         | S 14 |
| M15  | 23 34 43 | 21°51'34         | 12 <b>Y</b> 41  | 15°15         | 5°59            | 25°41  | 12°17           | 0° 7           | 19°26          | 21°17           | 13°23  | 22°46               | 21°21         | 19°41          | 23°42         | M15  |
| T 16 | 23 38 39 | 22°50'04         | 25°28           | 14°29         | 6°59            | 25°36  | 12°24           | 0°13           | 19°24          | 21°19           | 13°24  | 22°41               | 21°18         | 19°47          | 23°40         | T 16 |
| W17  | 23 42 36 | 23°48'35         | 7 <b>8</b> 58   | 13°51         | 8° 0            | 25°31  | 12°31           | 0°19           | 19°21          | 21°21           | 13°25  | 22°36               | 21°15         | 19°54          | 23°38         | W17  |
| T 18 | 23 46 32 | 24°47'08         | 20°14           | 13°20         | 9° 1            | 25°27  | 12°38           | 0°25           | 19°19          | 21°23           | 13°25  | 22°31               | 21°12         | 20° 1          | 23°35         | T 18 |
| F 19 | 23 50 29 | 25°45'44         | 2 <b>I</b> I18  | 12°58         | 10° 2           | 25°24  | 12°45           | 0°32           | 19°16          | 21°25           | 13°26  | 22°27               | 21° 8         | 20° 7          | 23°33         | F 19 |
| S 20 | 23 54 25 | 26°44'22         | 14°14           | 12°46         | 11° 4           | 25°22  | 12°52           | 0°38           | 19°14          | 21°27           | 13°26  | 22°25               | 21° 5         | 20°14          | 23°31         | S 20 |
| S 21 | 23 58 22 | 27°43'02         | 26° 6           | 12°D43        | 12° 6           | 25°21  | 13° 0           | 0°45           | 19°12          | 21°29           | 13°27  | 22°D24              | 21° 2         | 20°21          | 23°28         | S 21 |
| M22  | 0 2 18   | 28°41'44         | 7958            | 12°50         | 13° 8           | 25°D20 | 13° 7           | 0°51           | 19° 9          | 21°30           | 13°28  | 22°25               | 20°59         | 20°28          | 23°26         | M22  |
| T 23 | 0 6 15   | 29°40'29         | 19°57           | 13° 6         | 14°11           | 25°20  | 13°15           | 0°58           | 19° 7          | 21°32           | 13°28  | 22°26               | 20°56         | 20°34          | 23°23         | T 23 |
| W24  | 0 10 11  | 0 <b>ჲ</b> 39'16 | 2 <b>N</b> 6    | 13°33         | 15°14           | 25°21  | 13°23           | 1° 4           | 19° 5          | 21°34           | 13°29  | 22°28               | 20°52         | 20°41          | 23°21         | W24  |
| T 25 | 0 14 8   | 1°38'05          | 14°31           | 14° 9         | 16°18           | 25°23  | 13°31           | 1°11           | 19° 2          | 21°36           | 13°29  | 22°29               | 20°49         | 20°48          | 23°18         | T 25 |
| F 26 | 0 18 5   | 2°36'56          | 27°15           | 14°53         | 17°22           | 25°25  | 13°39           | 1°17           | 19° 0          | 21°38           | 13°29  | 22°R29              | 20°46         | 20°54          | 23°16         | F 26 |
| S 27 | 0 22 1   | 3°35'49          | 10 <b>m</b> )20 | 15°46         | 18°26           | 25°28  | 13°47           | 1°24           | 18°58          | 21°40           | 13°30  | 22°28               | 20°43         | 21° 1          | 23°13         | S 27 |
| S 28 | 0 25 58  | 4°34'45          | 23°47           | 16°46         | 19°30           | 25°32  | 13°55           | 1°31           | 18°55          | 21°41           | 13°30  | 22°24               | 20°40         | 21° 8          | 23°11         | S 28 |
| M29  | 0 29 54  | 5°33'42          | 7 <b>≙</b> 35   | 17°54         | 20°35           | 25°37  | 14° 4           | 1°38           | 18°53          | 21°43           | 13°31  | 22°19               | 20°37         | 21°14          | 23° 8         | M29  |
| T 30 | 0 33 51  | 6 <b>₽</b> 32'42 | 21 <b>≏</b> 41  | 19 <b>m</b> 7 | 21 <b>\O</b> 39 | 25≈43  | 14 <b>×</b> 12  | 1 <b>M</b> .44 | 18 <b>)</b> 51 | 21 <b>\O</b> 45 | 13931  | 22 <b>\Omega</b> 12 | 20€33         | 21 <b>Ⅱ</b> 21 | 23 <b>Y</b> 5 | T 30 |

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OCTOBER 1924 00:00 UT

| Day  | Sid.t   | 0                 | D                | ğ              | ·              | S            | 4               | ħ              | ፟                | ¥              | Р      | ß              | S              | Ç               | ę,             | Day  |
|------|---------|-------------------|------------------|----------------|----------------|--------------|-----------------|----------------|------------------|----------------|--------|----------------|----------------|-----------------|----------------|------|
| W 1  | 0 37 47 | 7 <b>₽</b> 31'43  | 5 <b>M</b> .59   | 20 <b>m</b> 26 | 22 <b>Ω</b> 45 | 25≈49        | 14 <b>×</b> 721 | 1 <b>M</b> .51 | 18°R49           | 21 <b>Q</b> 46 | 13931  | 22°R 5         | 20 <b>Q</b> 30 | 21 <b>II</b> 28 | 23°R 3         | W 1  |
| T 2  | 0 41 44 | 8°30'47           | 20°25            | 21°50          | 23°50          | 25°56        | 14°30           | 1°58           | 18 <b>) (</b> 46 | 21°48          | 13°32  | $21\Omega58$   | 20°27          | 21°35           | 23 <b>°</b> 0  | T 2  |
| F 3  | 0 45 40 | 9°29'52           | 4 <b>₹</b> 52    | 23°19          | 24°56          | 26° 4        | 14°39           | 2° 5           | 18°44            | 21°50          | 13°32  | 21°52          | 20°24          | 21°41           | 22°57          | F 3  |
| S 4  | 0 49 37 | 10°28'59          | 19°16            | 24°51          | 26° 1          | 26°13        | 14°48           | 2°12           | 18°42            | 21°51          | 13°32  | 21°48          | 20°21          | 21°48           | 22°55          | S 4  |
| S 5  | 0 53 34 | 11°28'08          | 3 <b>る</b> 32    | 26°26          | 27° 7          | 26°23        | 14°57           | 2°19           | 18°40            | 21°53          | 13°32  | 21°46          | 20°17          | 21°55           | 22°52          | S 5  |
| M 6  | 0 57 30 | 12°27'19          | 17°38            | 28° 3          | 28°14          | 26°33        | 15° 6           | 2°26           | 18°38            | 21°54          | 13°33  | 21°D46         | 20°14          | 22° 1           | 22°49          | M 6  |
| T 7  | 1 1 27  | 13°26'31          | 1≈33             | 29°42          | 29°20          | 26°44        | 15°16           | 2°33           | 18°36            | 21°56          | 13°33  | 21°47          | 20°11          | 22° 8           | 22°47          | T 7  |
| W 8  | 1 5 23  | 14°25'45          | 15°16            | 1 <b>≏</b> 23  | 0 <b>m</b> 27  | 26°55        | 15°25           | 2°40           | 18°34            | 21°58          | 13°33  | 21°R48         | 20° 8          | 22°15           | 22°44          | W 8  |
| T 9  | 1 9 20  | 15°25'01          | 28°49            | 3° 6           | 1°34           | 27° 8        | 15°35           | 2°47           | 18°31            | 21°59          | 13°33  | 21°48          | 20° 5          | 22°21           | 22°41          | T 9  |
| F 10 | 1 13 16 | 16°24'19          | 12 <b>) (</b> 11 | 4°49           | 2°41           | 27°21        | 15°45           | 2°54           | 18°29            | 22° 0          | 13°33  | 21°46          | 20° 2          | 22°28           | 22°38          | F 10 |
| S 11 | 1 17 13 | 17°23'38          | 25°22            | 6°33           | 3°49           | 27°34        | 15°55           | 3° 1           | 18°27            | 22° 2          | 13°33  | 21°41          | 19°58          | 22°35           | 22°36          | S 11 |
| S 12 | 1 21 9  | 18°23'00          | 8 <b>Y</b> 22    | 8°17           | 4°56           | 27°48        | 16° 5           | 3° 8           | 18°25            | 22° 3          | 13°33  | 21°34          | 19°55          | 22°42           | 22°33          | S 12 |
| M13  | 1 25 6  | 19°22'23          | 21° 9            | 10° 1          | 6° 4           | 28° 3        | 16°15           | 3°15           | 18°23            | 22° 5          | 13°33  | 21°25          | 19°52          | 22°48           | 22°30          | M13  |
| T 14 | 1 29 3  | 20°21'49          | 3 <b>8</b> 44    | 11°46          | 7°12           | 28°19        | 16°25           | 3°22           | 18°21            | 22° 6          | 13°R33 | 21°14          | 19°49          | 22°55           | 22°27          | T 14 |
| W15  | 1 32 59 | 21°21'16          | 16° 7            | 13°30          | 8°20           | 28°35        | 16°35           | 3°29           | 18°20            | 22° 7          | 13°33  | 21° 3          | 19°46          | 23° 2           | 22°25          | W15  |
| T 16 | 1 36 56 | 22°20'46          | 28°18            | 15°15          | 9°29           | 28°52        | 16°46           | 3°36           | 18°18            | 22° 9          | 13°33  | 20°52          | 19°43          | 23° 8           | 22°22          | T 16 |
| F 17 | 1 40 52 | 23°20'18          | 10∏19            | 16°58          | 10°37          | 29° 9        | 16°56           | 3°43           | 18°16            | 22°10          | 13°33  | 20°43          | 19°39          | 23°15           | 22°19          | F 17 |
| S 18 | 1 44 49 | 24°19'52          | 22°12            | 18°42          | 11°46          | 29°27        | 17° 7           | 3°51           | 18°14            | 22°11          | 13°33  | 20°36          | 19°36          | 23°22           | 22°16          | S 18 |
| S 19 | 1 48 45 | 25°19'29          | 495 2            | 20°25          | 12°55          | 29°45        | 17°17           | 3°58           | 18°12            | 22°12          | 13°33  | 20°31          | 19°33          | 23°28           | 22°13          | S 19 |
| M20  | 1 52 42 | 26°19'08          | 15°53            | 22° 8          | 14° 4          | 0 <b>∀</b> 4 | 17°28           | 4° 5           | 18°11            | 22°14          | 13°33  | 20°28          | 19°30          | 23°35           | 22°11          | M20  |
| T 21 | 1 56 38 | 27°18'49          | 27°49            | 23°50          | 15°13          | 0°24         | 17°39           | 4°12           | 18° 9            | 22°15          | 13°33  | 20°D28         | 19°27          | 23°42           | 22° 8          | T 21 |
| W22  | 2 0 35  | 28°18'32          | 9 <b>Ω</b> 56    | 25°32          | 16°23          | 0°44         | 17°50           | 4°19           | 18° 7            | 22°16          | 13°33  | 20°28          | 19°23          | 23°49           | 22° 5          | W22  |
| T 23 | 2 4 32  | 29°18'18          | 22°19            | 27°13          | 17°32          | 1° 4         | 18° 1           | 4°27           | 18° 6            | 22°17          | 13°33  | 20°R28         | 19°20          | 23°55           | 22° 2          | T 23 |
| F 24 | 2 8 28  | 0 <b>M</b> .18'06 | 5Mm) 4           | 28°53          | 18°42          | 1°25         | 18°12           | 4°34           | 18° 4            | 22°18          | 13°32  | 20°27          | 19°17          | 24° 2           | 22° 0          | F 24 |
| S 25 | 2 12 25 | 1°17'56           | 18°13            | 0 <b>M</b> _33 | 19°52          | 1°47         | 18°23           | 4°41           | 18° 2            | 22°19          | 13°32  | 20°24          | 19°14          | 24° 9           | 21°57          | S 25 |
| S 26 | 2 16 21 | 2°17'48           | 1 <b>≏</b> 50    | 2°13           | 21° 2          | 2° 9         | 18°34           | 4°48           | 18° 1            | 22°20          | 13°32  | 20°19          | 19°11          | 24°15           | 21°54          | S 26 |
| M27  | 2 20 18 | 3°17'42           | 15°53            | 3°52           | 22°12          | 2°31         | 18°46           | 4°56           | 17°59            | 22°21          | 13°32  | 20°11          | 19° 8          | 24°22           | 21°51          | M27  |
| T 28 | 2 24 14 | 4°17'38           | 0 <b>M</b> 20    | 5°30           | 23°23          | 2°54         | 18°57           | 5° 3           | 17°58            | 22°22          | 13°31  | 20° 0          | 19° 4          | 24°29           | 21°49          | T 28 |
| W29  | 2 28 11 | 5°17'36           | 15° 5            | 7° 8           | 24°33          | 3°18         | 19° 9           | 5°10           | 17°57            | 22°23          | 13°31  | 19°49          | 19° 1          | 24°35           | 21°46          | W29  |
| T 30 | 2 32 7  | 6°17'37           | 29°58            | 8°46           | 25°44          | 3°41         | 19°20           | 5°17           | 17°55            | 22°24          | 13°31  | 19°38          | 18°58          | 24°42           | 21°43          | T 30 |
| F 31 | 2 36 4  | 7 <b>M</b> 17'39  | 14 <b>才</b> 51   | 10M23          | 26 M 55        | 4 <b>光</b> 6 | 19 <b>×</b> 32  | 5 <b>M</b> 25  | 17 <b>米</b> 54   | 22 <b>N</b> 25 | 13930  | 19 <b>Ω</b> 28 | 18 <b>Ω</b> 55 | 24∏49           | 21 <b>Υ</b> 41 | F 31 |

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| Day  | Sid.t   | 0                 | D              | ğ              | φ              | ♂              | 4               | ħ              | )∤(            | ¥              | В      | n              | Ω              | ţ               | ę<br>k         | Day  |
|------|---------|-------------------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|--------|----------------|----------------|-----------------|----------------|------|
| S 1  | 2 40 0  | 8 <b>M</b> 17'42  | 29 <b>х</b> 36 | 11 <b>M</b> 59 | 28M) 5         | 4 <b>∺</b> 30  | 19 <b>×</b> 744 | 5 <b>M</b> 32  | 17°R53         | 22 <b>N</b> 26 | 13°R30 | 19°R21         | 18 <b>N</b> 52 | 24 <b>II</b> 56 | 21°R38         | S 1  |
| S 2  | 2 43 57 | 9°17'48           | 14궁 7          | 13°35          | 29°16          | 4°56           | 19°56           | 5°39           | 17 <b>)</b> 51 | 22°26          | 139529 | 19 <b>Ω</b> 17 | 18°49          | 25° 2           | 21 <b>Y</b> 35 | S 2  |
| M 3  | 2 47 54 | 10°17'55          | 28°19          | 15°11          | 0 <b>ჲ</b> 27  | 5°21           | 20° 8           | 5°46           | 17°50          | 22°27          | 13°29  | 19°15          | 18°45          | 25° 9           | 21°33          | M 3  |
| T 4  | 2 51 50 | 11°18'03          | 12≈12          | 16°46          | 1°39           | 5°47           | 20°20           | 5°54           | 17°49          | 22°28          | 13°29  | 19°14          | 18°42          | 25°16           | 21°30          | T 4  |
| W 5  | 2 55 47 | 12°18'13          | 25°47          | 18°21          | 2°50           | 6°13           | 20°32           | 6° 1           | 17°48          | 22°29          | 13°28  | 19°14          | 18°39          | 25°22           | 21°28          | W 5  |
| T 6  | 2 59 43 | 13°18'24          | 9 <b>米</b> 5   | 19°55          | 4° 1           | 6°40           | 20°44           | 6° 8           | 17°47          | 22°29          | 13°27  | 19°13          | 18°36          | 25°29           | 21°25          | T 6  |
| F 7  | 3 3 40  | 14°18'37          | 22° 8          | 21°29          | 5°13           | 7° 7           | 20°56           | 6°15           | 17°46          | 22°30          | 13°27  | 19°10          | 18°33          | 25°36           | 21°23          | F 7  |
| S 8  | 3 7 36  | 15°18'52          | <b>4</b> Υ59   | 23° 2          | 6°25           | 7°34           | 21° 8           | 6°22           | 17°45          | 22°31          | 13°26  | 19° 4          | 18°29          | 25°42           | 21°20          | S 8  |
| S 9  | 3 11 33 | 16°19'08          | 17°39          | 24°36          | 7°36           | 8° 2           | 21°21           | 6°30           | 17°44          | 22°31          | 13°26  | 18°55          | 18°26          | 25°49           | 21°18          | S 9  |
| M10  | 3 15 29 | 17°19'25          | 9 <b>8</b> 80  | 26° 9          | 8°48           | 8°30           | 21°33           | 6°37           | 17°43          | 22°32          | 13°25  | 18°43          | 18°23          | 25°56           | 21°15          | M10  |
| T 11 | 3 19 26 | 18°19'44          | 12°29          | 27°41          | 10° 0          | 8°58           | 21°46           | 6°44           | 17°42          | 22°32          | 13°25  | 18°29          | 18°20          | 26° 3           | 21°13          | T 11 |
| W12  | 3 23 23 | 19°20'05          | 24°40          | 29°13          | 11°12          | 9°27           | 21°58           | 6°51           | 17°41          | 22°33          | 13°24  | 18°14          | 18°17          | 26° 9           | 21°10          | W12  |
| T 13 | 3 27 19 | 20°20'28          | 6 <b>Ⅱ</b> 44  | 0 <b>∡</b> 745 | 12°24          | 9°56           | 22°11           | 6°58           | 17°41          | 22°33          | 13°23  | 18° 0          | 18°14          | 26°16           | 21° 8          | T 13 |
| F 14 | 3 31 16 | 21°20'52          | 18°40          | 2°17           | 13°37          | 10°25          | 22°23           | 7° 5           | 17°40          | 22°33          | 13°23  | 17°47          | 18°10          | 26°23           | 21° 6          | F 14 |
| S 15 | 3 35 12 | 22°21'19          | 0931           | 3°49           | 14°49          | 10°54          | 22°36           | 7°12           | 17°39          | 22°34          | 13°22  | 17°37          | 18° 7          | 26°29           | 21° 3          | S 15 |
| S 16 | 3 39 9  | 23°21'47          | 12°20          | 5°20           | 16° 2          | 11°24          | 22°49           | 7°19           | 17°39          | 22°34          | 13°21  | 17°30          | 18° 4          | 26°36           | 21° 1          | S 16 |
| M17  | 3 43 5  | 24°22'16          | 24° 9          | 6°50           | 17°14          | 11°54          | 23° 1           | 7°26           | 17°38          | 22°34          | 13°20  | 17°26          | 18° 1          | 26°43           | 20°59          | M17  |
| T 18 | 3 47 2  | 25°22'48          | 6 <b>N</b> 3   | 8°21           | 18°27          | 12°24          | 23°14           | 7°34           | 17°38          | 22°35          | 13°20  | 17°24          | 17°58          | 26°49           | 20°57          | T 18 |
| W19  | 3 50 58 | 26°23'21          | 18° 6          | 9°51           | 19°39          | 12°55          | 23°27           | 7°41           | 17°37          | 22°35          | 13°19  | 17°D23         | 17°54          | 26°56           | 20°55          | W19  |
| T 20 | 3 54 55 | 27°23'56          | 0 <b>m</b> 26  | 11°21          | 20°52          | 13°26          | 23°40           | 7°48           | 17°37          | 22°35          | 13°18  | 17°R23         | 17°51          | 27° 3           | 20°53          | T 20 |
| F 21 | 3 58 52 | 28°24'33          | 13° 5          | 12°51          | 22° 5          | 13°57          | 23°53           | 7°54           | 17°37          | 22°35          | 13°17  | 17°23          | 17°48          | 27° 9           | 20°50          | F 21 |
| S 22 | 4 2 48  | 29°25'11          | 26°10          | 14°20          | 23°18          | 14°28          | 24° 6           | 8° 1           | 17°36          | 22°35          | 13°16  | 17°20          | 17°45          | 27°16           | 20°48          | S 22 |
| S 23 | 4 6 45  | 0 <b>₹</b> 25'51  | 9 <b>≏</b> 45  | 15°49          | 24°31          | 15° 0          | 24°19           | 8° 8           | 17°36          | 22°36          | 13°16  | 17°15          | 17°42          | 27°23           | 20°46          | S 23 |
| M24  | 4 10 41 | 1°26'33           | 23°49          | 17°17          | 25°44          | 15°31          | 24°32           | 8°15           | 17°36          | 22°36          | 13°15  | 17° 7          | 17°39          | 27°30           | 20°44          | M24  |
| T 25 | 4 14 38 | 2°27'17           | 8M22           | 18°45          | 26°57          | 16° 3          | 24°45           | 8°22           | 17°36          | 22°R36         | 13°14  | 16°57          | 17°35          | 27°36           | 20°43          | T 25 |
| W26  | 4 18 34 | 3°28'02           | 23°18          | 20°12          | 28°11          | 16°35          | 24°59           | 8°29           | 17°36          | 22°36          | 13°13  | 16°46          | 17°32          | 27°43           | 20°41          | W26  |
| T 27 | 4 22 31 | 4°28'48           | 8 <b>√</b> 28  | 21°39          | 29°24          | 17° 8          | 25°12           | 8°36           | 17°D36         | 22°36          | 13°12  | 16°35          | 17°29          | 27°50           | 20°39          | T 27 |
| F 28 | 4 26 27 | 5°29'36           | 23°42          | 23° 5          | 0 <b>M</b> .37 | 17°40          | 25°25           | 8°42           | 17°36          | 22°35          | 13°11  | 16°25          | 17°26          | 27°56           | 20°37          | F 28 |
| S 29 | 4 30 24 | 6°30'25           | 8 <b>국</b> 49  | 24°30          | 1°51           | 18°13          | 25°38           | 8°49           | 17°36          | 22°35          | 13°10  | 16°18          | 17°23          | 28° 3           | 20°35          | S 29 |
| S 30 | 4 34 21 | 7 <b>.</b> ₹31'14 | 23 <b>る</b> 40 | 25 <b>×</b> 55 | 3M 4           | 18 <b>∺</b> 46 | 25 <b>×</b> 52  | 8 <b>M</b> .56 | 17 <b>)</b> 36 | 22 <b>N</b> 35 | 1399 9 | 16 <b>Ω</b> 14 | 17 <b>Ω</b> 20 | 28 <b>II</b> 10 | 20 <b>Y</b> 34 | S 30 |

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| Day          | Sid.t              | 0                            | D                       | ğ               | Q-                      | ♂ <sup>™</sup>  | 4                      | ħ               | ᡟ              | ¥              | Р              | ß                       | S              | Ç              | ę,             | Day          |
|--------------|--------------------|------------------------------|-------------------------|-----------------|-------------------------|-----------------|------------------------|-----------------|----------------|----------------|----------------|-------------------------|----------------|----------------|----------------|--------------|
| M 1          | 4 38 17            | 8 <b>₹</b> ³32'05            | 8≈ 8                    | 27 <b>×</b> 18  | 4 <b>M</b> .18          | 19 <b>米</b> 19  | 26 <b>x</b> 5          | 9M 2            | 17 <b>)</b> 36 | 22°R35         | 13°R 8         | 16°R12                  | 17 <b>Ω</b> 16 | 28П16          | 20°R32         | M 1          |
| T 2          | 4 42 14            | 9°32'57                      | 22°12                   | 28°40           | 5°31                    | 19°53           | 26°19                  | 9° 9            | 17°36          | 22 <b>Ω</b> 35 | 1395 7         | 16°D12                  | 17°13          | 28°23          | 20 <b>Y</b> 30 | T 2          |
| W 3          | 4 46 10            | 10°33'49                     | 5 <b>¥</b> 50           | 0중 1            | 6°45                    | 20°26           | 26°32                  | 9°16            | 17°36          | 22°35          | 13° 6          | 16°R12                  | 17°10          | 28°30          | 20°29          | W 3          |
| T 4<br>F 5   | 4 50 7<br>4 54 3   | 11°34'43<br>12°35'37         | 19° 6<br>2 <b>Υ</b> 3   | 1°20<br>2°37    | 7°59<br>9°12            | 21° 0<br>21°34  | 26°45<br>26°59         | 9°22<br>9°29    | 17°37<br>17°37 | 22°34<br>22°34 | 13° 5<br>13° 4 | 16 <b>Ω</b> 12<br>16°10 | 17° 7<br>17° 4 | 28°36          | 20°27<br>20°26 | T 4<br>F 5   |
| S 6          | 4 54 3 4 58 0      | 12 33 37<br>13°36'31         | 14°42                   | 3°53            | 10°26                   | 21° 34<br>22° 8 | 26°39<br>27°13         | 9°35            | 17°38          | 22°34          | 13° 3          | 16° 6                   | 17° 4          | 28°43<br>28°50 | 20°24          | S 6          |
| S 7          | 5 1 56             | 14°37'27                     | 27° 9                   | 5° 5            | 11°40                   | 22°42           | 27°26                  | 9°41            | 17°38          | 22°33          | 13° 2          | 15°58                   | 16°57          | 28°56          | 20°23          | S 7          |
| M 8          | 5 5 5 5 3          | 15°38'23                     | 9 <b>8</b> 25           | 6°15            | 12°54                   | 23°17           | 27°40                  | 9°48            | 17°39          | 22°33          | 13° 1          | 15°49                   | 16°54          | 29° 3          | 20°22          | M 8          |
| T 9          | 5 9 50             | 16°39'20                     | 21°32                   | 7°21            | 14° 8                   | 23°51           | 27°53                  | 9°54            | 17°39          | 22°32          | 13° 0          | 15°38                   | 16°51          | 29°10          | 20°20          | T 9          |
| W10          | 5 13 46            | 17°40'18                     | 3 <b>II</b> 34          | 8°24            | 15°22                   | 24°26           | 28° 7                  | 10° 0           | 17°40          | 22°32          | 12°59          | 15°26                   | 16°48          | 29°17          | 20°19          | W10          |
| T 11         | 5 17 43            | 18°41'17                     | 15°30                   | 9°22            | 16°36                   | 25° 1           | 28°20                  | 10° 7           | 17°40          | 22°31          | 12°58          | 15°15                   | 16°45          | 29°23          | 20°18          | T 11         |
| F 12         | 5 21 39            | 19°42'17                     | 27°22                   | 10°15           | 17°50                   | 25°35           | 28°34                  | 10°13           | 17°41          | 22°31          | 12°56          | 15° 4                   | 16°41          | 29°30          | 20°17          | F 12         |
| S 13         | 5 25 36            | 20°43'17                     | 99511                   | 11° 2           | 19° 4                   | 26°11           | 28°48                  | 10°19           | 17°42          | 22°30          | 12°55          | 14°56                   | 16°38          | 29°37          | 20°16          | S 13         |
| S 14         | 5 29 32            | 21°44'18                     | 21° 1                   | 11°43           | 20°18                   | 26°46           | 29° 1                  | 10°25           | 17°43          | 22°30          | 12°54          | 14°51                   | 16°35          | 29°43          | 20°15          | S 14         |
| M15          | 5 33 29            | 22°45'20                     | 2 <b>Ω</b> 52           | 12°16           | 21°32                   | 27°21           | 29°15                  | 10°31           | 17°44          | 22°29          | 12°53          | 14°47                   | 16°32          | 29°50          | 20°14          | M15          |
| T 16         | 5 37 26            | 23°46'23                     | 14°48                   | 12°41           | 22°47                   | 27°56           | 29°29                  | 10°37           | 17°45          | 22°28          | 12°52          | 14°D47                  | 16°29          | 29°57          | 20°13          | T 16         |
| W17          | 5 41 22            | 24°47'27                     | 26°53                   | 12°57           | 24° 1                   | 28°32           | 29°43                  | 10°43           | 17°46          | 22°28          | 12°51          | 14°47                   | 16°26          | 095 3          | 20°12          | W17          |
| T 18<br>F 19 | 5 45 19<br>5 49 15 | 25°48'32<br>26°49'37         | 9 <b>m</b> )12<br>21°48 | 13°R 3<br>12°57 | 25°15<br>26°29          | 29° 8<br>29°43  | 29°56<br>0 <b>る</b> 10 | 10°49<br>10°54  | 17°47<br>17°48 | 22°27<br>22°26 | 12°49<br>12°48 | 14°49<br>14°R50         | 16°22<br>16°19 | 0°10<br>0°17   | 20°11<br>20°11 | T 18<br>F 19 |
| S 20         | 5 53 12            | 20 49 37<br>27°50'44         | 4 <u>Ω</u> 47           | 12°41           | 26 29<br>27°44          | $0^{\circ}$ 19  | 0°24                   | 10° 34<br>11° 0 | 17 48<br>17°49 | 22°25          | 12 48<br>12°47 | 14 K30<br>14°49         | 16°16          | 0°23           | 20°10          | S 20         |
|              |                    |                              |                         |                 |                         |                 |                        |                 |                |                |                |                         |                |                |                |              |
| S 21<br>M22  | 5 57 8<br>6 1 5    | 28°51'51<br>29°52'59         | 18°12<br>2ML 6          | 12°13<br>11°33  | 28°58<br>0 <b>∡</b> 713 | 0°55<br>1°31    | 0°38<br>0°51           | 11° 6<br>11°11  | 17°50<br>17°51 | 22°24<br>22°24 | 12°46<br>12°45 | 14°48<br>14°44          | 16°13<br>16°10 | 0°30<br>0°37   | 20° 9<br>20° 9 | S 21<br>M22  |
| T 23         | 6 5 1              | 29°52′59<br>0 <b>る</b> 54'07 | 16°29                   | 10°42           | 1°27                    | 2° 7            | 1° 5                   | 11°11           | 17°53          | 22°23          | 12°43          | 14°44<br>14°38          | 16° 10         | 0°43           | 20° 9          | T 23         |
| W24          | 6 8 58             | 1°55'17                      | 10 29<br>1 <b>x</b> 18  | 9°41            | 2°42                    | 2°44            | 1°19                   | 11°22           | 17°54          | 22°22          | 12°42          | 14°32                   | 16° 3          | 0°50           | 20° 8          | W24          |
| T 25         | 6 12 55            | 2°56'27                      | 16°26                   | 8°31            | 3°56                    | 3°20            | 1°33                   | 11°28           | 17°55          | 22°21          | 12°41          | 14°25                   | 16° 0          | 0°57           | 20° 7          | T 25         |
| F 26         | 6 16 51            | 3°57'37                      | 1 <b>ප්</b> 43          | 7°14            | 5°11                    | 3°57            | 1°46                   | 11°33           | 17°57          | 22°20          | 12°40          | 14°19                   | 15°57          | 1° 4           | 20° 7          | F 26         |
| S 27         | 6 20 48            | 4°58'48                      | 17° 0                   | 5°54            | 6°25                    | 4°33            | 2° 0                   | 11°38           | 17°58          | 22°19          | 12°39          | 14°14                   | 15°54          | 1°10           | 20° 7          | S 27         |
| S 28         | 6 24 44            | 5°59'58                      | 2≈ 4                    | 4°32            | 7°40                    | 5°10            | 2°14                   | 11°44           | 18° 0          | 22°18          | 12°37          | 14°12                   | 15°51          | 1°17           | 20° 6          | S 28         |
| M29          | 6 28 41            | 7° 1'09                      | 16°48                   | 3°11            | 8°54                    | 5°47            | 2°28                   | 11°49           | 18° 1          | 22°17          | 12°36          | 14°D11                  | 15°47          | 1°24           | 20° 6          | M29          |
| T 30         | 6 32 37            | 8° 2'20                      | 1 <b>)</b> 7            | 1°54            | 10° 9                   | 6°23            | 2°42                   | 11°54           | 18° 3          | 22°16          | 12°35          | 14°12                   | 15°44          | 1°30           | 20° 6          | T 30         |
| W31          | 6 36 34            | 9 <b>ට</b> 3'31              | 14 <b>米</b> 58          | 0 <b>る</b> 43   | 11 <b>×</b> 724         | 7 <b>Υ</b> 0    | 2 <b>ප්</b> 55         | 11 <b>M</b> 59  | 18 <b>∺</b> 5  | 22 <b>Ω</b> 15 | 12934          | 14Ω14                   | 15 <b>Ω</b> 41 | 19937          | 20 <b>Υ</b> 6  | W31          |

Delta T = 23.76 sec

JANUARY 1925 00:00 UT

| Day  | Sid.t   | 0        | D              | ğ               | φ              | ď              | 4             | ħ              | ) <b>y</b> (   | ¥              | Р      | ß              | v              | Ç     | ę,             | Day  |
|------|---------|----------|----------------|-----------------|----------------|----------------|---------------|----------------|----------------|----------------|--------|----------------|----------------|-------|----------------|------|
| T 1  | 6 40 30 | 10궁 4'41 | 28 <b>)</b> 23 | 29°R40          | 12 <b>~</b> 38 | 7 <b>Ƴ</b> 37  | 3ට 9          | 12 <b>M</b> 4  | 18 <b>)</b> 6  | 22°R13         | 12°R32 | 14Ω15          | 15 <b>Ω</b> 38 | 19544 | 20°D 6         | T 1  |
| F 2  | 6 44 27 | 11° 5'51 | 11 <b>Y</b> 23 | 28 <b>×</b> 745 | 13°53          | 8°14           | 3°23          | 12° 9          | 18° 8          | 22 <b>Ω</b> 12 | 12931  | 14°R16         | 15°35          | 1°50  | 20 <b>°</b> 6  | F 2  |
| S 3  | 6 48 24 | 12° 7'01 | 24° 2          | 28° 1           | 15° 8          | 8°51           | 3°36          | 12°13          | 18°10          | 22°11          | 12°30  | 14°15          | 15°32          | 1°57  | 20° 6          | S 3  |
| S 4  | 6 52 20 | 13° 8'10 | 6 <b>8</b> 24  | 27°27           | 16°22          | 9°29           | 3°50          | 12°18          | 18°12          | 22°10          | 12°29  | 14°13          | 15°28          | 2° 4  | 20° 6          | S 4  |
| M 5  | 6 56 17 | 14° 9'20 | 18°34          | 27° 4           | 17°37          | 10° 6          | 4° 4          | 12°23          | 18°14          | 22° 9          | 12°27  | 14° 9          | 15°25          | 2°10  | 20° 7          | M 5  |
| T 6  | 7 0 13  | 15°10'29 | 0∏34           | 26°50           | 18°52          | 10°43          | 4°17          | 12°27          | 18°16          | 22° 7          | 12°26  | 14° 4          | 15°22          | 2°17  | 20° 7          | T 6  |
| W 7  | 7 4 10  | 16°11'37 | 12°28          | 26°D46          | 20° 6          | 11°21          | 4°31          | 12°32          | 18°17          | 22° 6          | 12°25  | 13°59          | 15°19          | 2°24  | 20° 7          | W 7  |
| T 8  | 7 8 6   | 17°12'46 | 24°19          | 26°50           | 21°21          | 11°58          | 4°45          | 12°36          | 18°20          | 22° 5          | 12°24  | 13°54          | 15°16          | 2°30  | 20° 8          | T 8  |
| F 9  | 7 12 3  | 18°13'54 | 699 9          | 27° 3           | 22°36          | 12°35          | 4°58          | 12°41          | 18°22          | 22° 3          | 12°22  | 13°50          | 15°12          | 2°37  | 20° 8          | F 9  |
| S 10 | 7 15 59 | 19°15'02 | 17°59          | 27°23           | 23°51          | 13°13          | 5°12          | 12°45          | 18°24          | 22° 2          | 12°21  | 13°46          | 15° 9          | 2°44  | 20° 9          | S 10 |
| S 11 | 7 19 56 | 20°16'09 | 29°53          | 27°50           | 25° 6          | 13°51          | 5°26          | 12°49          | 18°26          | 22° 1          | 12°20  | 13°44          | 15° 6          | 2°50  | 20° 9          | S 11 |
| M12  | 7 23 53 | 21°17'16 | 11 <b>£</b> 52 | 28°23           | 26°20          | 14°28          | 5°39          | 12°53          | 18°28          | 21°59          | 12°19  | 13°D43         | 15° 3          | 2°57  | 20°10          | M12  |
| T 13 | 7 27 49 | 22°18'23 | 23°57          | 29° 2           | 27°35          | 15° 6          | 5°53          | 12°57          | 18°30          | 21°58          | 12°17  | 13°44          | 15° 0          | 3° 4  | 20°10          | T 13 |
| W14  | 7 31 46 | 23°19'30 | 6 <b>M</b> p11 | 29°46           | 28°50          | 15°44          | 6° 6          | 13° 1          | 18°32          | 21°57          | 12°16  | 13°45          | 14°57          | 3°11  | 20°11          | W14  |
| T 15 | 7 35 42 | 24°20'36 | 18°38          | 0 <b>궁</b> 34   | 0중 5           | 16°21          | 6°20          | 13° 5          | 18°35          | 21°55          | 12°15  | 13°46          | 14°53          | 3°17  | 20°12          | T 15 |
| F 16 | 7 39 39 | 25°21'42 | 1 <b>₽</b> 19  | 1°27            | 1°20           | 16°59          | 6°33          | 13° 8          | 18°37          | 21°54          | 12°14  | 13°48          | 14°50          | 3°24  | 20°13          | F 16 |
| S 17 | 7 43 35 | 26°22'48 | 14°18          | 2°22            | 2°34           | 17°37          | 6°46          | 13°12          | 18°39          | 21°52          | 12°12  | 13°49          | 14°47          | 3°31  | 20°14          | S 17 |
| S 18 | 7 47 32 | 27°23'53 | 27°38          | 3°22            | 3°49           | 18°15          | 7° 0          | 13°16          | 18°42          | 21°51          | 12°11  | 13°R49         | 14°44          | 3°37  | 20°14          | S 18 |
| M19  | 7 51 28 | 28°24'59 | 11 <b>M</b> 21 | 4°24            | 5° 4           | 18°53          | 7°13          | 13°19          | 18°44          | 21°49          | 12°10  | 13°49          | 14°41          | 3°44  | 20°15          | M19  |
| T 20 | 7 55 25 | 29°26'04 | 25°28          | 5°29            | 6°19           | 19°31          | 7°27          | 13°22          | 18°47          | 21°48          | 12° 9  | 13°48          | 14°38          | 3°51  | 20°17          | T 20 |
| W21  | 7 59 22 | 0≈27'08  | 9 <b>∡</b> 758 | 6°36            | 7°34           | 20° 9          | 7°40          | 13°26          | 18°49          | 21°46          | 12° 8  | 13°46          | 14°34          | 3°57  | 20°18          | W21  |
| T 22 | 8 3 18  | 1°28'13  | 24°47          | 7°46            | 8°49           | 20°47          | 7°53          | 13°29          | 18°52          | 21°45          | 12° 6  | 13°45          | 14°31          | 4° 4  | 20°19          | T 22 |
| F 23 | 8 7 15  | 2°29'16  | 9 <b>궁</b> 48  | 8°57            | 10° 4          | 21°25          | 8° 6          | 13°32          | 18°54          | 21°43          | 12° 5  | 13°43          | 14°28          | 4°11  | 20°20          | F 23 |
| S 24 | 8 11 11 | 3°30'20  | 24°53          | 10°10           | 11°19          | 22° 3          | 8°19          | 13°35          | 18°57          | 21°42          | 12° 4  | 13°42          | 14°25          | 4°17  | 20°21          | S 24 |
| S 25 | 8 15 8  | 4°31'22  | 9 <b>≈</b> 54  | 11°25           | 12°34          | 22°42          | 8°33          | 13°38          | 19° 0          | 21°40          | 12° 3  | 13°D42         | 14°22          | 4°24  | 20°23          | S 25 |
| M26  | 8 19 4  | 5°32'23  | 24°41          | 12°42           | 13°49          | 23°20          | 8°46          | 13°41          | 19° 2          | 21°38          | 12° 2  | 13°42          | 14°18          | 4°31  | 20°24          | M26  |
| T 27 | 8 23 1  | 6°33'24  | 9 <b>∺</b> 8   | 13°59           | 15° 3          | 23°58          | 8°59          | 13°43          | 19° 5          | 21°37          | 12° 1  | 13°43          | 14°15          | 4°37  | 20°25          | T 27 |
| W28  | 8 26 57 | 7°34'23  | 23°10          | 15°19           | 16°18          | 24°36          | 9°12          | 13°46          | 19°8           | 21°35          | 12° 0  | 13°43          | 14°12          | 4°44  | 20°27          | W28  |
| T 29 | 8 30 54 | 8°35'21  | 6 <b>Ƴ</b> 45  | 16°39           | 17°33          | 25°15          | 9°25          | 13°49          | 19°11          | 21°33          | 11°58  | 13°44          | 14° 9          | 4°51  | 20°28          | T 29 |
| F 30 | 8 34 51 | 9°36'18  | 19°54          | 18° 1           | 18°48          | 25°53          | 9°37          | 13°51          | 19°13          | 21°32          | 11°57  | 13°44          | 14° 6          | 4°57  | 20°30          | F 30 |
| S 31 | 8 38 47 | 10≈37'13 | 2 <b>8</b> 39  | 19 <b>る</b> 23  | 20중 3          | 26 <b>Y</b> 31 | 9 <b>궁</b> 50 | 13 <b>M</b> 53 | 19 <b>米</b> 16 | 21 <b>Q</b> 30 | 119556 | 13 <b>Ω</b> 44 | 14 <b>0</b> 3  | 59 4  | 20 <b>Y</b> 32 | S 31 |

Delta T = 23.78 sec

FEBRUARY 1925 00:00 UT

| Day  | Sid.t    | 0                  | D              | φ              | φ              | ♂              | 4              | ħ               | ነ <b>∜</b>      | ¥              | Р      | Ç              | ಬ              | Ç      | Š.             | Day  |
|------|----------|--------------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|----------------|--------|----------------|----------------|--------|----------------|------|
| S 1  | 8 42 44  | 11≈38'08           | 158 4          | 20 <b>궁</b> 47 | 21 <b>궁</b> 18 | 27 <b>Y</b> 10 | 10る 3          | 13 <b>M</b> .56 | 19 <b>米</b> 19  | 21°R29         | 11°R55 | 13°R44         | 13 <b>Ω</b> 59 | 59911  | 20 <b>Y</b> 33 | S 1  |
| M 2  | 8 46 40  | 12°39'01           | 27°13          | 22°12          | 22°33          | 27°48          | 10°16          | 13°58           | 19°22           | 21 <b>£</b> 27 | 119554 | 13 <b>Ω</b> 44 | 13°56          | 5°17   | 20°35          | M 2  |
| T 3  | 8 50 37  | 13°39'52           | 9∏12           | 23°37          | 23°48          | 28°27          | 10°28          | 14° 0           | 19°25           | 21°25          | 11°53  | 13°D44         | 13°53          | 5°24   | 20°37          | T 3  |
| W 4  | 8 54 33  | 14°40'42           | 21° 3          | 25° 4          | 25° 3          | 29° 5          | 10°41          | 14° 2           | 19°28           | 21°24          | 11°52  | 13°44          | 13°50          | 5°31   | 20°39          | W 4  |
| T 5  | 8 58 30  | 15°41'31           | 2952           | 26°32          | 26°18          | 29°44          | 10°54          | 14° 3           | 19°31           | 21°22          | 11°51  | 13°45          | 13°47          | 5°37   | 20°41          | T 5  |
| F 6  | 9 2 26   | 16°42'19           | 14°42          | 28° 0          | 27°33          | 0822           | 11° 6          | 14° 5           | 19°34           | 21°20          | 11°50  | 13°45          | 13°44          | 5°44   | 20°42          | F 6  |
| S 7  | 9 6 23   | 17°43'05           | 26°36          | 29°29          | 28°47          | 1° 0           | 11°19          | 14° 7           | 19°37           | 21°19          | 11°49  | 13°45          | 13°40          | 5°51   | 20°44          | S 7  |
| S 8  | 9 10 20  | 18°43'50           | 8 <b>Ω</b> 36  | 0≈59           | 0≈ 2           | 1°39           | 11°31          | 14° 8           | 19°40           | 21°17          | 11°48  | 13°R45         | 13°37          | 5°57   | 20°46          | S 8  |
| M 9  | 9 14 16  | 19°44'33           | 20°46          | 2°30           | 1°17           | 2°18           | 11°43          | 14°10           | 19°43           | 21°15          | 11°47  | 13°45          | 13°34          | 6° 4   | 20°48          | M 9  |
| T 10 | 9 18 13  | 20°45'15           | 3 Mg 5         | 4° 2           | 2°32           | 2°56           | 11°55          | 14°11           | 19°46           | 21°13          | 11°46  | 13°45          | 13°31          | 6°11   | 20°51          | T 10 |
| W11  | 9 22 9   | 21°45'56           | 15°37          | 5°35           | 3°47           | 3°35           | 12° 8          | 14°12           | 19°49           | 21°12          | 11°45  | 13°44          | 13°28          | 6°17   | 20°53          | W11  |
| T 12 | 9 26 6   | 22°46'35           | 28°20          | 7° 8           | 5° 2           | 4°13           | 12°20          | 14°13           | 19°52           | 21°10          | 11°44  | 13°43          | 13°24          | 6°24   | 20°55          | T 12 |
| F 13 | 9 30 2   | 23°47'13           | 11 <b>≏</b> 18 | 8°43           | 6°17           | 4°52           | 12°32          | 14°14           | 19°55           | 21° 8          | 11°43  | 13°42          | 13°21          | 6°31   | 20°57          | F 13 |
| S 14 | 9 33 59  | 24°47'50           | 24°29          | 10°18          | 7°32           | 5°30           | 12°44          | 14°15           | 19°59           | 21° 7          | 11°43  | 13°40          | 13°18          | 6°37   | 20°59          | S 14 |
| S 15 | 9 37 55  | 25°48'26           | 7 <b>M</b> 55  | 11°54          | 8°47           | 6° 9           | 12°56          | 14°16           | 20° 2           | 21° 5          | 11°42  | 13°39          | 13°15          | 6°44   | 21° 2          | S 15 |
| M16  | 9 41 52  | 26°49'01           | 21°37          | 13°31          | 10° 1          | 6°47           | 13° 7          | 14°17           | 20° 5           | 21° 3          | 11°41  | 13°D39         | 13°12          | 6°51   | 21° 4          | M16  |
| T 17 | 9 45 49  | 27°49'34           | 5 <b>₹</b> 35  | 15° 9          | 11°16          | 7°26           | 13°19          | 14°17           | 20° 8           | 21° 2          | 11°40  | 13°39          | 13° 9          | 6°57   | 21° 7          | T 17 |
| W18  | 9 49 45  | 28°50'07           | 19°47          | 16°48          | 12°31          | 8° 5           | 13°31          | 14°18           | 20°11           | 21° 0          | 11°39  | 13°40          | 13° 5          | 7° 4   | 21° 9          | W18  |
| T 19 | 9 53 42  | 29°50'38           | 4 <b>궁</b> 12  | 18°27          | 13°46          | 8°43           | 13°42          | 14°18           | 20°15           | 20°58          | 11°38  | 13°41          | 13° 2          | 7°11   | 21°11          | T 19 |
| F 20 | 9 57 38  | 0 <b>米</b> 51′08   | 18°47          | 20° 8          | 15° 1          | 9°22           | 13°54          | 14°19           | 20°18           | 20°57          | 11°38  | 13°42          | 12°59          | 7°18   | 21°14          | F 20 |
| S 21 | 10 1 35  | 1°51'36            | 3≈27           | 21°50          | 16°16          | 10° 1          | 14° 5          | 14°19           | 20°21           | 20°55          | 11°37  | 13°43          | 12°56          | 7°24   | 21°17          | S 21 |
| S 22 | 10 5 31  | 2°52'03            | 18° 7          | 23°32          | 17°31          | 10°39          | 14°17          | 14°R19          | 20°25           | 20°53          | 11°36  | 13°R43         | 12°53          | 7°31   | 21°19          | S 22 |
| M23  | 10 9 28  | 3°52'28            | 2 <b>)</b> 39  | 25°15          | 18°46          | 11°18          | 14°28          | 14°19           | 20°28           | 20°52          | 11°36  | 13°42          | 12°49          | 7°38   | 21°22          | M23  |
| T 24 | 10 13 24 | 4°52'52            | 16°57          | 27° 0          | 20° 0          | 11°57          | 14°39          | 14°19           | 20°31           | 20°50          | 11°35  | 13°40          | 12°46          | 7°44   | 21°25          | T 24 |
| W25  | 10 17 21 | 5°53'13            | 0 <b>Υ</b> 57  | 28°45          | 21°15          | 12°35          | 14°50          | 14°18           | 20°35           | 20°48          | 11°34  | 13°37          | 12°43          | 7°51   | 21°27          | W25  |
| T 26 | 10 21 18 | 6°53'33            | 14°34          | 0 <b>)</b> €32 | 22°30          | 13°14          | 15° 1          | 14°18           | 20°38           | 20°47          | 11°33  | 13°34          | 12°40          | 7°58   | 21°30          | T 26 |
| F 27 | 10 25 14 | 7°53'51            | 27°48          | 2°19           | 23°45          | 13°53          | 15°12          | 14°18           | 20°41           | 20°45          | 11°33  | 13°30          | 12°37          | 8° 4   | 21°33          | F 27 |
| S 28 | 10 29 11 | 8 <b>) (</b> 54'07 | 10839          | 4 <b>){</b> 7  | 25≈ 0          | 14831          | 15 <b>る</b> 23 | 14 <b>M</b> 17  | 20 <b>)</b> (45 | 20 <b>Ω</b> 44 | 119532 | 13 <b>Ω</b> 27 | $12\Omega 34$  | 89्ड11 | 21 <b>Y</b> 36 | S 28 |

Delta T = 23.81 sec

MARCH 1925 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | ·               | ď              | 4              | ħ               | )f(              | ħ             | Р      | 'n             | Ω              | Ç     | ę,             | Day  |
|------|----------|------------------|----------------|----------------|-----------------|----------------|----------------|-----------------|------------------|---------------|--------|----------------|----------------|-------|----------------|------|
| S 1  | 10 33 7  | 9 <b>米</b> 54'21 | 23 <b>8</b> 8  | 5 <b>)</b> 57  | 26≈15           | 15 <b>8</b> 10 | 15 <b>る</b> 34 | 14°R16          | 20 <b>) (</b> 48 | 20°R42        | 11°R32 | 13°R24         | 12 <b>Ω</b> 30 | 89518 | 21 <b>Y</b> 38 | S 1  |
| M 2  | 10 37 4  | 10°54'33         | 5 <b>Ⅱ</b> 21  | 7°47           | 27°29           | 15°49          | 15°44          | 14 <b>M</b> .16 | 20°51            | 20₽41         | 119931 | 13 <b>Ω</b> 23 | 12°27          | 8°24  | 21°41          | M 2  |
| T 3  | 10 41 0  | 11°54'43         | 17°20          | 9°39           | 28°44           | 16°27          | 15°55          | 14°15           | 20°55            | 20°39         | 11°31  | 13°D23         | 12°24          | 8°31  | 21°44          | T 3  |
| W 4  | 10 44 57 | 12°54'51         | 29°12          | 11°31          | 29°59           | 17° 6          | 16° 5          | 14°14           | 20°58            | 20°37         | 11°30  | 13°24          | 12°21          | 8°38  | 21°47          | W 4  |
| T 5  | 10 48 53 | 13°54'57         | 1199 1         | 13°24          | 1 <b>) (</b> 14 | 17°45          | 16°15          | 14°13           | 21° 2            | 20°36         | 11°30  | 13°26          | 12°18          | 8°44  | 21°50          | T 5  |
| F 6  | 10 52 50 | 14°55'00         | 22°52          | 15°19          | 2°28            | 18°23          | 16°26          | 14°12           | 21° 5            | 20°34         | 11°29  | 13°28          | 12°15          | 8°51  | 21°53          | F 6  |
| S 7  | 10 56 47 | 15°55'02         | 4 <b>Ω</b> 49  | 17°14          | 3°43            | 19° 2          | 16°36          | 14°10           | 21° 9            | 20°33         | 11°29  | 13°29          | 12°11          | 8°58  | 21°56          | S 7  |
| S 8  | 11 0 43  | 16°55'01         | 16°56          | 19°10          | 4°58            | 19°41          | 16°46          | 14° 9           | 21°12            | 20°31         | 11°28  | 13°R29         | 12° 8          | 9° 4  | 21°59          | S 8  |
| M 9  | 11 4 40  | 17°54'59         | 29°16          | 21° 6          | 6°13            | 20°19          | 16°56          | 14° 8           | 21°15            | 20°30         | 11°28  | 13°28          | 12° 5          | 9°11  | 22° 2          | M 9  |
| T 10 | 11 8 36  | 18°54'54         | 11 <b>m</b> 52 | 23° 4          | 7°27            | 20°58          | 17° 5          | 14° 6           | 21°19            | 20°29         | 11°27  | 13°25          | 12° 2          | 9°18  | 22° 6          | T 10 |
| W11  | 11 12 33 | 19°54'47         | 24°43          | 25° 2          | 8°42            | 21°37          | 17°15          | 14° 4           | 21°22            | 20°27         | 11°27  | 13°21          | 11°59          | 9°24  | 22° 9          | W11  |
| T 12 | 11 16 29 | 20°54'39         | 7 <b>≙</b> 50  | 27° 0          | 9°57            | 22°15          | 17°25          | 14° 3           | 21°26            | 20°26         | 11°27  | 13°15          | 11°55          | 9°31  | 22°12          | T 12 |
| F 13 | 11 20 26 | 21°54'28         | 21°11          | 28°58          | 11°11           | 22°54          | 17°34          | 14° 1           | 21°29            | 20°24         | 11°26  | 13° 8          | 11°52          | 9°38  | 22°15          | F 13 |
| S 14 | 11 24 22 | 22°54'16         | 4 <b>M</b> .46 | 0 <b>Ƴ</b> 56  | 12°26           | 23°33          | 17°43          | 13°59           | 21°33            | 20°23         | 11°26  | 13° 2          | 11°49          | 9°44  | 22°18          | S 14 |
| S 15 | 11 28 19 | 23°54'02         | 18°31          | 2°54           | 13°41           | 24°11          | 17°53          | 13°57           | 21°36            | 20°22         | 11°26  | 12°56          | 11°46          | 9°51  | 22°22          | S 15 |
| M16  | 11 32 15 | 24°53'46         | 2 <b>₹</b> 24  | 4°51           | 14°55           | 24°50          | 18° 2          | 13°55           | 21°39            | 20°20         | 11°26  | 12°52          | 11°43          | 9°58  | 22°25          | M16  |
| T 17 | 11 36 12 | 25°53'29         | 16°25          | 6°48           | 16°10           | 25°29          | 18°11          | 13°53           | 21°43            | 20°19         | 11°25  | 12°50          | 11°40          | 10° 4 | 22°28          | T 17 |
| W18  | 11 40 9  | 26°53'10         | 0 <b>궁</b> 31  | 8°43           | 17°25           | 26° 7          | 18°19          | 13°50           | 21°46            | 20°18         | 11°25  | 12°D50         | 11°36          | 10°11 | 22°31          | W18  |
| T 19 | 11 44 5  | 27°52'50         | 14°42          | 10°36          | 18°39           | 26°46          | 18°28          | 13°48           | 21°50            | 20°16         | 11°25  | 12°51          | 11°33          | 10°18 | 22°35          | T 19 |
| F 20 | 11 48 2  | 28°52'27         | 28°54          | 12°28          | 19°54           | 27°24          | 18°37          | 13°45           | 21°53            | 20°15         | 11°25  | 12°52          | 11°30          | 10°24 | 22°38          | F 20 |
| S 21 | 11 51 58 | 29°52'03         | 13 <b>≈</b> 8  | 14°16          | 21° 9           | 28° 3          | 18°45          | 13°43           | 21°56            | 20°14         | 11°25  | 12°R52         | 11°27          | 10°31 | 22°41          | S 21 |
| S 22 | 11 55 55 | 0 <b>Υ</b> 51'37 | 27°19          | 16° 2          | 22°23           | 28°42          | 18°54          | 13°40           | 22° 0            | 20°13         | 11°25  | 12°51          | 11°24          | 10°38 | 22°45          | S 22 |
| M23  | 11 59 51 | 1°51'09          | 11 <b>米</b> 25 | 17°45          | 23°38           | 29°20          | 19° 2          | 13°38           | 22° 3            | 20°11         | 11°24  | 12°48          | 11°21          | 10°44 | 22°48          | M23  |
| T 24 | 12 3 48  | 2°50'39          | 25°22          | 19°24          | 24°52           | 29°59          | 19°10          | 13°35           | 22° 7            | 20°10         | 11°24  | 12°43          | 11°17          | 10°51 | 22°52          | T 24 |
| W25  | 12 7 44  | 3°50'07          | 9 <b>Ƴ</b> 5   | 20°58          | 26° 7           | 0 <b>Ⅲ</b> 37  | 19°18          | 13°32           | 22°10            | 20° 9         | 11°24  | 12°35          | 11°14          | 10°58 | 22°55          | W25  |
| T 26 | 12 11 41 | 4°49'33          | 22°32          | 22°28          | 27°21           | 1°16           | 19°26          | 13°29           | 22°13            | 20° 8         | 11°D24 | 12°26          | 11°11          | 11° 4 | 22°59          | T 26 |
| F 27 | 12 15 38 | 5°48'57          | 5 <b>8</b> 40  | 23°53          | 28°36           | 1°55           | 19°33          | 13°26           | 22°17            | 20° 7         | 11°24  | 12°17          | 11° 8          | 11°11 | 23° 2          | F 27 |
| S 28 | 12 19 34 | 6°48'19          | 18°28          | 25°12          | 29°50           | 2°33           | 19°41          | 13°23           | 22°20            | 20° 6         | 11°24  | 12° 8          | 11° 5          | 11°18 | 23° 6          | S 28 |
| S 29 | 12 23 31 | 7°47'39          | 0Д58           | 26°25          | 1 <b>Υ</b> 5    | 3°12           | 19°48          | 13°19           | 22°24            | 20° 5         | 11°24  | 12° 0          | 11° 1          | 11°24 | 23° 9          | S 29 |
| M30  | 12 27 27 | 8°46'56          | 13°11          | 27°33          | 2°19            | 3°50           | 19°55          | 13°16           | 22°27            | 20° 4         | 11°25  | 11°55          | 10°58          | 11°31 | 23°13          | M30  |
| T 31 | 12 31 24 | 9 <b>Ƴ</b> 46'11 | 25 <b>Ⅱ</b> 11 | 28 <b>Y</b> 34 | 3 <b>Υ</b> 34   | 4 <b>Ⅱ</b> 29  | 20중 2          | 13 <b>M</b> 13  | 22 <b>)</b> 30   | 20 <b>0</b> 3 | 119925 | 11 <b>0</b> 51 | 10 <b>Ω</b> 55 | 11938 | 23 <b>Y</b> 16 | T 31 |

Delta T = 23.83 sec

APRIL 1925 00:00 UT

|      |          | *                 |                |                |               |                |                |               |                |                |        |                |                |        |                |      |
|------|----------|-------------------|----------------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|--------|----------------|----------------|--------|----------------|------|
| Day  | Sid.t    | 0                 | D              | ğ              | φ             | o <sup>r</sup> | 4              | ħ             | )Å(            | ħ              | В      | V.             | v              | Ç      | Ŷ,             | Day  |
| W 1  | 12 35 20 | 10 <b>Y</b> 45'24 | 7 <b>9</b> 5 3 | 29 <b>Y</b> 29 | <b>4</b> Υ 48 | 5 <b>I</b> 7   | 20궁 9          | 13°R 9        | 22 <b>)</b> 33 | 20°R 2         | 119525 | 11°D50         | 10 <b>Q</b> 52 | 119544 | 23 <b>Y</b> 20 | W 1  |
| T 2  | 12 39 17 | 11°44'34          | 18°52          | 0 <b>8</b> 17  | 6° 3          | 5°46           | 20°16          | 13 <b>M</b> 6 | 22°37          | 20⋒ 1          | 11°25  | 11 <b>Q</b> 50 | 10°49          | 11°51  | 23°23          | T 2  |
| F 3  | 12 43 13 | 12°43'42          | 0 <b>Ω</b> 44  | 0°58           | 7°17          | 6°24           | 20°23          | 13° 2         | 22°40          | 20° 0          | 11°25  | 11°51          | 10°46          | 11°57  | 23°27          | F 3  |
| S 4  | 12 47 10 | 13°42'48          | 12°42          | 1°32           | 8°32          | 7° 3           | 20°29          | 12°59         | 22°43          | 19°59          | 11°25  | 11°R51         | 10°42          | 12° 4  | 23°30          | S 4  |
| S 5  | 12 51 7  | 14°41'52          | 24°53          | 1°59           | 9°46          | 7°41           | 20°36          | 12°55         | 22°47          | 19°58          | 11°26  | 11°50          | 10°39          | 12°11  | 23°34          | S 5  |
| M 6  | 12 55 3  | 15°40'53          | 7 <b>m</b> 21  | 2°19           | 11° 0         | 8°20           | 20°42          | 12°51         | 22°50          | 19°58          | 11°26  | 11°47          | 10°36          | 12°17  | 23°37          | M 6  |
| T 7  | 12 59 0  | 16°39'52          | 20° 8          | 2°33           | 12°15         | 8°58           | 20°48          | 12°48         | 22°53          | 19°57          | 11°26  | 11°42          | 10°33          | 12°24  | 23°41          | T 7  |
| W 8  | 13 2 56  | 17°38'49          | 3 <b>≏</b> 17  | 2°R39          | 13°29         | 9°37           | 20°54          | 12°44         | 22°56          | 19°56          | 11°26  | 11°34          | 10°30          | 12°31  | 23°45          | W 8  |
| T 9  | 13 6 53  | 18°37'43          | 16°45          | 2°39           | 14°44         | 10°15          | 20°59          | 12°40         | 22°59          | 19°55          | 11°27  | 11°24          | 10°26          | 12°37  | 23°48          | T 9  |
| F 10 | 13 10 49 | 19°36'36          | 0 <b>M</b> .33 | 2°32           | 15°58         | 10°54          | 21° 5          | 12°36         | 23° 3          | 19°55          | 11°27  | 11°13          | 10°23          | 12°44  | 23°52          | F 10 |
| S 11 | 13 14 46 | 20°35'27          | 14°34          | 2°19           | 17°12         | 11°32          | 21°10          | 12°32         | 23° 6          | 19°54          | 11°27  | 11° 2          | 10°20          | 12°51  | 23°55          | S 11 |
| S 12 | 13 18 42 | 21°34'16          | 28°46          | 2° 1           | 18°26         | 12°11          | 21°16          | 12°28         | 23° 9          | 19°53          | 11°28  | 10°53          | 10°17          | 12°57  | 23°59          | S 12 |
| M13  | 13 22 39 | 22°33'03          | 13 <b>×</b> 2  | 1°37           | 19°41         | 12°49          | 21°21          | 12°24         | 23°12          | 19°53          | 11°28  | 10°45          | 10°14          | 13° 4  | 24° 3          | M13  |
| T 14 | 13 26 35 | 23°31'48          | 27°18          | 1° 8           | 20°55         | 13°27          | 21°26          | 12°20         | 23°15          | 19°52          | 11°29  | 10°40          | 10°11          | 13°11  | 24° 6          | T 14 |
| W15  | 13 30 32 | 24°30'32          | 11 <b>る</b> 32 | 0°35           | 22° 9         | 14° 6          | 21°30          | 12°16         | 23°18          | 19°52          | 11°29  | 10°38          | 10° 7          | 13°17  | 24°10          | W15  |
| T 16 | 13 34 29 | 25°29'14          | 25°40          | 29 <b>Y</b> 59 | 23°24         | 14°44          | 21°35          | 12°11         | 23°21          | 19°51          | 11°30  | 10°D37         | 10° 4          | 13°24  | 24°14          | T 16 |
| F 17 | 13 38 25 | 26°27'55          | 9 <b>≈</b> 43  | 29°20          | 24°38         | 15°22          | 21°39          | 12° 7         | 23°24          | 19°51          | 11°30  | 10°R37         | 10° 1          | 13°31  | 24°17          | F 17 |
| S 18 | 13 42 22 | 27°26'33          | 23°38          | 28°39          | 25°52         | 16° 1          | 21°44          | 12° 3         | 23°27          | 19°50          | 11°31  | 10°37          | 9°58           | 13°37  | 24°21          | S 18 |
| S 19 | 13 46 18 | 28°25'10          | 7 <b>∺</b> 26  | 27°56          | 27° 6         | 16°39          | 21°48          | 11°58         | 23°30          | 19°50          | 11°31  | 10°35          | 9°55           | 13°44  | 24°24          | S 19 |
| M20  | 13 50 15 | 29°23'46          | 21° 7          | 27°14          | 28°20         | 17°17          | 21°52          | 11°54         | 23°33          | 19°50          | 11°32  | 10°30          | 9°52           | 13°51  | 24°28          | M20  |
| T 21 | 13 54 11 | 0822'19           | <b>4Υ</b> 38   | 26°32          | 29°35         | 17°56          | 21°55          | 11°50         | 23°36          | 19°49          | 11°32  | 10°22          | 9°48           | 13°57  | 24°32          | T 21 |
| W22  | 13 58 8  | 1°20'51           | 17°58          | 25°51          | 0 <b>8</b> 49 | 18°34          | 21°59          | 11°45         | 23°39          | 19°49          | 11°33  | 10°11          | 9°45           | 14° 4  | 24°35          | W22  |
| T 23 | 14 2 4   | 2°19'21           | 18 5           | 25°11          | 2° 3          | 19°12          | 22° 2          | 11°41         | 23°42          | 19°49          | 11°34  | 9°59           | 9°42           | 14°11  | 24°39          | T 23 |
| F 24 | 14 6 1   | 3°17'49           | 13°58          | 24°35          | 3°17          | 19°51          | 22° 5          | 11°36         | 23°45          | 19°48          | 11°34  | 9°46           | 9°39           | 14°17  | 24°42          | F 24 |
| S 25 | 14 9 58  | 4°16'15           | 26°36          | 24° 1          | 4°31          | 20°29          | 22° 8          | 11°32         | 23°47          | 19°48          | 11°35  | 9°33           | 9°36           | 14°24  | 24°46          | S 25 |
| S 26 | 14 13 54 | 5°14'39           | 8耳59           | 23°31          | 5°45          | 21° 7          | 22°11          | 11°27         | 23°50          | 19°48          | 11°36  | 9°22           | 9°32           | 14°31  | 24°50          | S 26 |
| M27  | 14 17 51 | 6°13'02           | 21° 8          | 23° 5          | 6°59          | 21°46          | 22°14          | 11°23         | 23°53          | 19°48          | 11°36  | 9°13           | 9°29           | 14°37  | 24°53          | M27  |
| T 28 | 14 21 47 | 7°11'22           | 3 <b>9</b> 6   | 22°43          | 8°13          | 22°24          | 22°16          | 11°18         | 23°56          | 19°48          | 11°37  | 9° 7           | 9°26           | 14°44  | 24°57          | T 28 |
| W29  | 14 25 44 | 8° 9'40           | 14°57          | 22°25          | 9°28          | 23° 2          | 22°18          | 11°14         | 23°58          | 19°48          | 11°38  | 9° 3           | 9°23           | 14°51  | 25° 0          | W29  |
| T 30 | 14 29 40 | 9 <b>8</b> 7'57   | 269945         | 22 <b>Y</b> 12 | 10842         | 23 <b>Ⅱ</b> 40 | 22 <b>る</b> 21 | 11 <b>M</b> 9 | 24 <b>米</b> 1  | 19 <b>Ω</b> 48 | 11939  | 9Ω 2           | 9 <b>Ω</b> 20  | 149557 | 25 <b>℃</b> 4  | T 30 |

Delta T = 23.85 sec

MAY 1925 00:00 UT

| Day         | Sid.t                | 0                    | D                       | ğ              | φ              | ♂              | 4              | ħ              | )ұ(            | ¥              | Р              | ß            | ß             | Ç              | ę,             | Day         |
|-------------|----------------------|----------------------|-------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|---------------|----------------|----------------|-------------|
| F 1         | 14 33 37             | 108 6'11             | 8 <b>N</b> 35           | 22°R 4         | 11856          | 24∏19          | 22る22          | 11°R 5         | 24 <b>)</b> 4  | 19°D48         | 119540         | 9°R 2        | 9Ω17          | 1599 4         | 25 <b>Y</b> 7  | F 1         |
| S 2         | 14 37 33             | 11° 4'23             | 20°34                   | 22°D 1         | 13°10          | 24°57          | 22°24          | 11 <b>M</b> 0  | 24° 6          | 19 <b>Ω</b> 48 | 11°40          | 9 <b>Ω</b> 2 | 9°13          | 15°11          | 25°11          | S 2         |
| S 3         | 14 41 30             | 12° 2'33             | 2 Mp 45                 | 22 <b>°</b> 2  | 14°24          | 25°35          | 22°26          | 10°56          | 24° 9          | 19°48          | 11°41          | 9° 1         | 9°10          | 15°17          | 25°14          | S 3         |
| M 4         | 14 45 27             | 13° 0'41             | 15°15                   | 22° 9          | 15°38          | 26°13          | 22°27          | 10°51          | 24°11          | 19°48          | 11°42          | 8°57         | 9° 7          | 15°24          | 25°18          | M 4         |
| T 5         | 14 49 23             | 13°58'47             | 28° 7                   | 22°20          | 16°52          | 26°51          | 22°28          | 10°47          | 24°14          | 19°48          | 11°43          | 8°52         | 9° 4          | 15°31          | 25°21          | T 5         |
| W 6         | 14 53 20             | 14°56'52             | 11 <u>Ω</u> 25          | 22°35          | 18° 6          | 27°29          | 22°29          | 10°42          | 24°16          | 19°48          | 11°44          | 8°44         | 9° 1          | 15°37          | 25°25          | W 6         |
| T 7         | 14 57 16             | 15°54'54             | 25° 8                   | 22°56          | 19°20          | 28° 8          | 22°30          | 10°38          | 24°19          | 19°48          | 11°45          | 8°34         | 8°58          | 15°44          | 25°28          | T 7         |
| F 8<br>S 9  | 15 1 13<br>15 5 9    | 16°52'55<br>17°50'54 | 9 <b>M</b> .14<br>23°39 | 23°20<br>23°49 | 20°33<br>21°47 | 28°46<br>29°24 | 22°30<br>22°31 | 10°33<br>10°29 | 24°21<br>24°23 | 19°48<br>19°49 | 11°46<br>11°47 | 8°22<br>8°11 | 8°54<br>8°51  | 15°51<br>15°57 | 25°32<br>25°35 | F 8<br>S 9  |
|             |                      |                      |                         |                |                |                | _              |                | _              |                |                |              |               |                |                |             |
| S 10        | 15 9 6               | 18°48'52             | 8 <b>√</b> 16           | 24°22          | 23° 1          | 099 2          | 22°31          | 10°24          | 24°26          | 19°49          | 11°48          | 8° 1         | 8°48          | 16° 4          | 25°38          | S 10        |
| M11         | 15 13 2              | 19°46'48             | 22°58                   | 24°59          | 24°15          | 0°40           | 22°R31         | 10°20          | 24°28          | 19°49          | 11°49          | 7°53         | 8°45          | 16°11          | 25°42          | M11         |
| T 12<br>W13 | 15 16 59             | 20°44'43             | 7 <b>云</b> 37<br>22°8   | 25°40<br>26°24 | 25°29<br>26°43 | 1°18<br>1°56   | 22°31<br>22°31 | 10°15<br>10°11 | 24°30<br>24°33 | 19°49<br>19°50 | 11°50<br>11°51 | 7°47<br>7°45 | 8°42<br>8°38  | 16°17<br>16°24 | 25°45<br>25°48 | T 12<br>W13 |
| T 14        | 15 20 56<br>15 24 52 | 21°42'36<br>22°40'28 | 6 <b>≈</b> 27           | 26°24<br>27°12 | 20°43<br>27°57 | 2°34           | 22°31<br>22°30 | 10°11<br>10° 7 | 24°35          | 19°50          | 11°51          | 7°D44        | 8°35          | 16°24<br>16°31 | 25°52          | T 14        |
| F 15        | 15 24 32             | 22 40 28<br>23°38'19 | 20°32                   | 28° 3          | 29°11          | 3°12           | 22°29          | 10° 7          | 24°37          | 19°51          | 11°53          | 7°R44        | 8°32          | 16°37          | 25°55          | F 15        |
| S 16        | 15 32 45             | 24°36'09             | 4 <b>)</b> €22          | 28°58          | 0П24           | 3°51           | 22°28          | 9°58           | 24°39          | 19°51          | 11°54          | 7°44         | 8°29          | 16°44          | 25°58          | S 16        |
| S 17        | 15 36 42             | 25°33'58             | 17°58                   | 29°56          | 1°38           | 4°29           | 22°27          | 9°54           | 24°41          | 19°52          | 11°55          | 7°42         | 8°26          | 16°50          | 26° 2          | S 17        |
| M18         | 15 40 38             | 25°33'38<br>26°31'45 | 1γ38<br>1 <b>Υ</b> 21   | 0 <b>8</b> 57  | 2°52           | 5° 7           | 22°26          | 9°34<br>9°49   | 24°41<br>24°43 | 19°52          | 11°56          | 7°42<br>7°38 | 8°23          | 16°57          | 26° 5          | M18         |
| T 19        | 15 44 35             | 20°31'43<br>27°29'32 | 14°31                   | 2° 1           | 4° 6           | 5°45           | 22°25          | 9°45           | 24°45          | 19°53          | 11°57          | 7°31         | 8°19          | 17° 4          | 26° 8          | T 19        |
| W20         | 15 48 31             | 28°27'17             | 27°29                   | 3° 8           | 5°20           | 6°23           | 22°23          | 9°41           | 24°47          | 19°53          | 11°59          | 7°22         | 8°16          | 17°10          | 26°11          | W20         |
| T 21        | 15 52 28             | 29°25'01             | 10816                   | 4°18           | 6°33           | 7° 1           | 22°21          | 9°37           | 24°49          | 19°54          | 12° 0          | 7°11         | 8°13          | 17°17          | 26°14          | T 21        |
| F 22        | 15 56 25             | 0 <b>Ⅲ</b> 22'44     | 22°50                   | 5°31           | 7°47           | 7°39           | 22°19          | 9°33           | 24°51          | 19°55          | 12° 1          | 6°59         | 8°10          | 17°24          | 26°18          | F 22        |
| S 23        | 16 0 21              | 1°20'25              | 5 <b>Ⅱ</b> 13           | 6°46           | 9° 1           | 8°17           | 22°17          | 9°29           | 24°53          | 19°55          | 12° 2          | 6°47         | 8° 7          | 17°30          | 26°21          | S 23        |
| S 24        | 16 4 18              | 2°18'05              | 17°25                   | 8° 4           | 10°15          | 8°55           | 22°14          | 9°25           | 24°54          | 19°56          | 12° 3          | 6°37         | 8° 3          | 17°37          | 26°24          | S 24        |
| M25         | 16 8 14              | 3°15'44              | 29°26                   | 9°25           | 11°29          | 9°33           | 22°12          | 9°21           | 24°56          | 19°57          | 12° 4          | 6°29         | 8° 0          | 17°44          | 26°27          | M25         |
| T 26        | 16 12 11             | 4°13'22              | 119520                  | 10°48          | 12°42          | 10°11          | 22° 9          | 9°17           | 24°58          | 19°58          | 12° 6          | 6°24         | 7°57          | 17°50          | 26°30          | T 26        |
| W27         | 16 16 7              | 5°10'58              | 23° 8                   | 12°14          | 13°56          | 10°49          | 22° 6          | 9°13           | 24°59          | 19°58          | 12° 7          | 6°20         | 7°54          | 17°57          | 26°33          | W27         |
| T 28        | 16 20 4              | 6° 8'33              | 4 <b>Ω</b> 55           | 13°42          | 15°10          | 11°27          | 22° 3          | 9° 9           | 25° 1          | 19°59          | 12° 8          | 6°D20        | 7°51          | 18° 4          | 26°36          | T 28        |
| F 29        | 16 24 0              | 7° 6'07              | 16°45                   | 15°13          | 16°23          | 12° 5          | 22° 0          | 9° 5           | 25° 3          | 20° 0          | 12°10          | 6°20         | 7°48          | 18°10          | 26°39          | F 29        |
| S 30        | 16 27 57             | 8° 3'39              | 28°42                   | 16°46          | 17°37          | 12°43          | 21°56          | 9° 2           | 25° 4          | 20° 1          | 12°11          | 6°21         | 7°44          | 18°17          | 26°42          | S 30        |
| S 31        | 16 31 54             | 9 <b>Ⅱ</b> 1'10      | 10 <b>m</b> 52          | 18822          | 18 <b>Ⅱ</b> 51 | 13921          | 21 <b>る</b> 52 | 8 <b>M</b> .58 | 25 <b>¥</b> 6  | 200 2          | 129612         | 6°R21        | 7 <b>Ω</b> 41 | 18924          | 26 <b>Ƴ</b> 45 | S 31        |

Delta T = 23.87 sec

JUNE 1925 00:00 UT

| Day          | Sid.t                | 0                    | D                      | ğ              | φ              | ð              | 4              | ħ             | )f(                | ¥              | Р              | v             | Ω             | Ç              | ď              | Day          |
|--------------|----------------------|----------------------|------------------------|----------------|----------------|----------------|----------------|---------------|--------------------|----------------|----------------|---------------|---------------|----------------|----------------|--------------|
| M 1          | 16 35 50             | 9∏58'39              | 23 Mp 21               | 20 <b>8</b> 0  | 20Ⅱ 4          | 139559         | 21°R49         | 8°R54         | 25 <b>)</b> 7      | 20 <b>N</b> 3  | 129513         | 6°R20         | 7 <b>Ω</b> 38 | 18930          | 26 <b>Ƴ</b> 47 | M 1          |
| T 2          | 16 39 47             | 10°56'07             | 6 <b>₽</b> 13          | 21°41          | 21°18          | 14°37          | 21 <b>る</b> 45 | 8 <b>M</b> 51 | 25° 8              | 20° 4          | 12°15          | 6 <b>Ω</b> 17 | 7°35          | 18°37          | 26°50          | T 2          |
| W 3          | 16 43 43             | 11°53'34             | 19°31                  | 23°24          | 22°32          | 15°15          | 21°40          | 8°47          | 25°10              | 20° 5          | 12°16          | 6°12          | 7°32          | 18°44          | 26°53          | W 3          |
| T 4          | 16 47 40             | 12°51'00             | 3 <b>m</b> 17          | 25°10          | 23°45          | 15°52          | 21°36          | 8°44          | 25°11              | 20° 6          | 12°17          | 6° 6          | 7°29          | 18°50          | 26°56          | T 4          |
| F 5          | 16 51 36             | 13°48'24             | 17°30                  | 26°58          | 24°59          | 16°30          | 21°32          | 8°41          | 25°12              | 20° 7          | 12°19          | 5°58          | 7°25          | 18°57          | 26°59          | F 5          |
| S 6          | 16 55 33             | 14°45'48             | 2 <b>才</b> 7           | 28°48          | 26°12          | 17° 8          | 21°27          | 8°38          | 25°14              | 20° 8          | 12°20          | 5°50          | 7°22          | 19° 4          | 27° 1          | S 6          |
| S 7          | 16 59 29             | 15°43'11             | 17° 1                  | 0 <b>Ⅲ</b> 41  | 27°26          | 17°46          | 21°22          | 8°34          | 25°15              | 20°10          | 12°22          | 5°43          | 7°19          | 19°10          | 27° 4          | S 7          |
| M 8          | 17 3 26              | 16°40'32             | 2る 2                   | 2°36           | 28°40          | 18°24          | 21°17          | 8°31          | 25°16              | 20°11          | 12°23          | 5°37          | 7°16          | 19°17          | 27° 7          | M 8          |
| T 9          | 17 7 23              | 17°37'54             | 17° 3                  | 4°33           | 29°53          | 19° 2          | 21°12          | 8°28          | 25°17              | 20°12          | 12°24          | 5°34          | 7°13          | 19°24          | 27° 9          | T 9          |
| W10          | 17 11 19             | 18°35'14             | 1≈55                   | 6°33           | 195 7          | 19°40          | 21° 7          | 8°25          | 25°18              | 20°13          | 12°26          | 5°D33         | 7° 9          | 19°30          | 27°12          | W10          |
| T 11<br>F 12 | 17 15 16             | 19°32'34<br>20°29'53 | 16°31<br>0 <b>∺</b> 47 | 8°34<br>10°38  | 2°20<br>3°34   | 20°18<br>20°56 | 21° 1<br>20°56 | 8°23<br>8°20  | 25°19<br>25°20     | 20°14<br>20°16 | 12°27<br>12°29 | 5°33<br>5°34  | 7° 6<br>7° 3  | 19°37<br>19°43 | 27°14<br>27°17 | T 11<br>F 12 |
| S 13         | 17 19 12<br>17 23 9  | 20°29'33<br>21°27'12 | 14°43                  | 10°38<br>12°43 | 4°47           | 20°36<br>21°33 | 20°50          | 8°20<br>8°17  | 25°21              | 20°16<br>20°17 | 12°29<br>12°30 | 5°35          | 7° 0          | 19°43<br>19°50 | 27°17<br>27°19 | S 13         |
|              |                      |                      | _                      | _              | -              |                |                |               | -                  |                |                |               |               |                |                | 1            |
| S 14         | 17 27 5              | 22°24'31             | 28°18                  | 14°50          | 6° 1           | 22°11          | 20°44          | 8°14          | 25°22              | 20°18          | 12°32          | 5°R35         | 6°57          | 19°57          | 27°21          | S 14         |
| M15          | 17 31 2              | 23°21'49             | 11 <b>°</b> 34         | 16°59          | 7°14           | 22°49          | 20°39          | 8°12          | 25°22              | 20°20          | 12°33          | 5°34          | 6°54          | 20° 3          | 27°24          | M15          |
| T 16         | 17 34 58             | 24°19'07             | 24°32                  | 19° 8          | 8°28           | 23°27          | 20°32          | 8° 9          | 25°23              | 20°21          | 12°34          | 5°30          | 6°50          | 20°10          | 27°26          | T 16         |
| W17<br>T 18  | 17 38 55<br>17 42 52 | 25°16'24<br>26°13'42 | 7 <b>8</b> 15<br>19°45 | 21°19<br>23°30 | 9°41<br>10°55  | 24° 5<br>24°43 | 20°26<br>20°20 | 8° 7<br>8° 5  | 25°24<br>25°24     | 20°22<br>20°24 | 12°36<br>12°37 | 5°25<br>5°19  | 6°47<br>6°44  | 20°17<br>20°23 | 27°28<br>27°31 | W17<br>T 18  |
| F 19         | 17 42 32             | 26°13'42<br>27°10'59 | 2 <b>I</b> I 4         | 25°41          | 10°55<br>12° 8 | 24°43<br>25°21 | 20°20<br>20°14 | 8° 3          | 25°24<br>25°25     | 20°24<br>20°25 | 12°37<br>12°39 | 5°12          | 6°44          | 20°23<br>20°30 | 27°33          | F 19         |
| S 20         | 17 40 48             | 28° 8'15             | 14°13                  | 27°53          | 13°22          | 25°58          | 20° 7          | 8° 0          | 25°26              | 20°27          | 12°40          | 5° 6          | 6°38          | 20°37          | 27°35          | S 20         |
|              |                      |                      |                        |                |                |                |                |               |                    |                | -              |               |               |                |                |              |
| S 21         | 17 54 41             | 29° 5'31             | 26°13                  | 099 5          | 14°35          | 26°36          | 20° 0          | 7°58          | 25°26              | 20°28          | 12°42          | 5° 0          | 6°35          | 20°43          | 27°37          | S 21         |
| M22<br>T 23  | 17 58 38<br>18 2 34  | 09 2'47<br>1° 0'03   | 8 <b>9</b> 7<br>19°56  | 2°16<br>4°27   | 15°49<br>17°2  | 27°14<br>27°52 | 19°54<br>19°47 | 7°57<br>7°55  | 25°27<br>25°27     | 20°30<br>20°31 | 12°43<br>12°45 | 4°56<br>4°53  | 6°31<br>6°28  | 20°50<br>20°57 | 27°39<br>27°41 | M22<br>T 23  |
| W24          | 18 6 31              | 1°57'18              | 19.36 $10.43$          | 6°36           | 17 2<br>18°15  | 27°32<br>28°30 | 19 47<br>19°40 | 7°53          | 25°27              | 20°33          | 12°46          | 4°D52         | 6°25          | 20°37<br>21°3  | 27°43          | W24          |
| T 25         | 18 10 27             | 2°54'32              | 13°30                  | 8°45           | 19°29          | 29° 8          | 19°33          | 7°51          | 25°28              | 20°35          | 12°48          | 4°52          | 6°22          | 21°10          | 27°45          | T 25         |
| F 26         | 18 14 24             | 3°51'46              | 25°21                  | 10°52          | 20°42          | 29°46          | 19°26          | 7°50          | 25°28              | 20°36          | 12°49          | 4°53          | 6°19          | 21°17          | 27°47          | F 26         |
| S 27         | 18 18 21             | 4°48'59              | 7 m 20                 | 12°57          | 21°56          | $0\Omega 23$   | 19°19          | 7°48          | 25°28              | 20°38          | 12°51          | 4°55          | 6°15          | 21°23          | 27°49          | S 27         |
| S 28         | 18 22 17             | 5°46'12              | 19°31                  | 15° 2          | 23° 9          | 1° 1           | 19°11          | 7°47          | 25°28              | 20°40          | 12°52          | 4°56          | 6°12          | 21°30          | 27°51          | S 28         |
| M29          | 18 26 14             | 6°43'25              | 19 31<br>1 <b>≏</b> 58 | 13 2<br>17° 4  | 23 9<br>24°22  | 1°39           | 19 11<br>19° 4 | 7°46          | 25°28              | 20°41          | 12°54          | 4°R57         | 6° 9          | 21°37          | 27°52          | M29          |
| T 30         | 18 30 10             | 79640'37             | 1 <u>22</u> 38         | 1999 5         | 25936          | $2\Omega 17$   | 18 <b>궁</b> 57 | 7 <b>M</b> 44 | 25 <del>X</del> 28 | $20\Omega 41$  | 12 54          | $4\Omega 57$  | $6\Omega$ 6   | 219643         | 27 <b>Y</b> 54 | T 30         |
| 1 50         | 10 00 10             | , 🔾 1037             | · ·— · /               | .,— ,          | _5-5-50        | 2001/          | 10007          | / 110/ 17     | 20,120             | 2000.0         | .2-03          | 1000/         | 000           | -1-0.5         | -/ 137         | 1 50         |

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| Day  | Sid.t    | 0                | D               | ğ              | ·             | ♂              | 4              | ħ             | )f(            | ¥               | В      | 'n            | ß             | Ç      | ę,             | Day  |
|------|----------|------------------|-----------------|----------------|---------------|----------------|----------------|---------------|----------------|-----------------|--------|---------------|---------------|--------|----------------|------|
| W 1  | 18 34 7  | 8937'48          | 28 <b>♀</b> 1   | 2195 3         | 269549        | 2 <b>Ω</b> 55  | 18°R49         | 7°R43         | 25°R28         | 20 <b>Ω</b> 45  | 12957  | 4°R56         | 6 <b>N</b> 3  | 219550 | 27 <b>Y</b> 56 | W 1  |
| T 2  | 18 38 3  | 9°35'00          | 11 <b>M</b> .42 | 23° 0          | 28° 2         | 3°33           | 18 <b>궁</b> 42 | 7 <b>M</b> 42 | 25 <b>)</b> 28 | 20°47           | 12°58  | $4\Omega$ 54  | 6° 0          | 21°56  | 27°57          | T 2  |
| F 3  | 18 42 0  | 10°32'11         | 25°51           | 24°55          | 29°16         | 4°10           | 18°34          | 7°41          | 25°28          | 20°48           | 13° 0  | 4°51          | 5°56          | 22° 3  | 27°59          | F 3  |
| S 4  | 18 45 56 | 11°29'22         | 10 <b>×</b> 25  | 26°48          | 0 <b>Ω</b> 29 | 4°48           | 18°27          | 7°41          | 25°28          | 20°50           | 13° 2  | 4°48          | 5°53          | 22°10  | 28° 0          | S 4  |
| S 5  | 18 49 53 | 12°26'32         | 25°21           | 28°39          | 1°42          | 5°26           | 18°19          | 7°40          | 25°28          | 20°52           | 13° 3  | 4°45          | 5°50          | 22°16  | 28° 2          | S 5  |
| M 6  | 18 53 50 | 13°23'43         | 10 <b>궁</b> 29  | $0\Omega_{28}$ | 2°55          | 6° 4           | 18°11          | 7°39          | 25°28          | 20°54           | 13° 5  | 4°43          | 5°47          | 22°23  | 28° 3          | M 6  |
| T 7  | 18 57 46 | 14°20'53         | 25°42           | 2°14           | 4° 9          | 6°42           | 18° 4          | 7°39          | 25°28          | 20°56           | 13° 6  | 4°42          | 5°44          | 22°30  | 28° 5          | T 7  |
| W 8  | 19 1 43  | 15°18'04         | 10≈48           | 3°59           | 5°22          | 7°20           | 17°56          | 7°38          | 25°27          | 20°57           | 13° 8  | 4°D41         | 5°41          | 22°36  | 28° 6          | W 8  |
| T 9  | 19 5 39  | 16°15'15         | 25°40           | 5°42           | 6°35          | 7°57           | 17°48          | 7°38          | 25°27          | 20°59           | 13° 9  | 4°42          | 5°37          | 22°43  | 28° 7          | T 9  |
| F 10 | 19 9 36  | 17°12'27         | 10 <b>米</b> 11  | 7°23           | 7°48          | 8°35           | 17°41          | 7°38          | 25°26          | 21° 1           | 13°11  | 4°43          | 5°34          | 22°50  | 28° 9          | F 10 |
| S 11 | 19 13 32 | 18° 9'38         | 24°19           | 9° 2           | 9° 2          | 9°13           | 17°33          | 7°38          | 25°26          | 21° 3           | 13°12  | 4°44          | 5°31          | 22°56  | 28°10          | S 11 |
| S 12 | 19 17 29 | 19° 6'50         | 8 <b>Y</b> 1    | 10°38          | 10°15         | 9°51           | 17°25          | 7°D38         | 25°26          | 21° 5           | 13°14  | 4°45          | 5°28          | 23° 3  | 28°11          | S 12 |
| M13  | 19 21 26 | 20° 4'03         | 21°18           | 12°13          | 11°28         | 10°29          | 17°17          | 7°38          | 25°25          | 21° 7           | 13°15  | 4°R46         | 5°25          | 23°10  | 28°12          | M13  |
| T 14 | 19 25 22 | 21° 1'16         | 4814            | 13°46          | 12°41         | 11° 7          | 17°10          | 7°38          | 25°24          | 21° 9           | 13°17  | 4°45          | 5°21          | 23°16  | 28°13          | T 14 |
| W15  | 19 29 19 | 21°58'30         | 16°50           | 15°16          | 13°54         | 11°44          | 17° 2          | 7°38          | 25°24          | 21°11           | 13°18  | 4°44          | 5°18          | 23°23  | 28°14          | W15  |
| T 16 | 19 33 15 | 22°55'45         | 29°10           | 16°45          | 15° 7         | 12°22          | 16°54          | 7°38          | 25°23          | 21°13           | 13°20  | 4°43          | 5°15          | 23°30  | 28°15          | T 16 |
| F 17 | 19 37 12 | 23°53'00         | 11 <b>II</b> 19 | 18°11          | 16°20         | 13° 0          | 16°47          | 7°39          | 25°22          | 21°15           | 13°21  | 4°41          | 5°12          | 23°36  | 28°16          | F 17 |
| S 18 | 19 41 8  | 24°50'16         | 23°17           | 19°35          | 17°34         | 13°38          | 16°39          | 7°39          | 25°21          | 21°17           | 13°23  | 4°40          | 5° 9          | 23°43  | 28°17          | S 18 |
| S 19 | 19 45 5  | 25°47'32         | 59910           | 20°58          | 18°47         | 14°16          | 16°32          | 7°40          | 25°21          | 21°19           | 13°24  | 4°39          | 5° 6          | 23°50  | 28°17          | S 19 |
| M20  | 19 49 1  | 26°44'49         | 16°58           | 22°18          | 20° 0         | 14°54          | 16°24          | 7°41          | 25°20          | 21°21           | 13°26  | 4°38          | 5° 2          | 23°56  | 28°18          | M20  |
| T 21 | 19 52 58 | 27°42'07         | 28°45           | 23°35          | 21°13         | 15°32          | 16°17          | 7°42          | 25°19          | 21°23           | 13°27  | 4°38          | 4°59          | 24° 3  | 28°19          | T 21 |
| W22  | 19 56 55 | 28°39'25         | 10 <b>Ω</b> 33  | 24°51          | 22°26         | 16°10          | 16° 9          | 7°43          | 25°18          | 21°25           | 13°29  | 4°D38         | 4°56          | 24° 9  | 28°19          | W22  |
| T 23 | 20 0 51  | 29°36'43         | 22°24           | 26° 4          | 23°39         | 16°47          | 16° 2          | 7°44          | 25°17          | 21°27           | 13°30  | 4°38          | 4°53          | 24°16  | 28°20          | T 23 |
| F 24 | 20 4 48  | 0 <b>Q</b> 34'02 | 4Mp21           | 27°15          | 24°52         | 17°25          | 15°55          | 7°45          | 25°16          | 21°29           | 13°32  | 4°38          | 4°50          | 24°23  | 28°20          | F 24 |
| S 25 | 20 8 44  | 1°31'22          | 16°26           | 28°23          | 26° 5         | 18° 3          | 15°47          | 7°46          | 25°15          | 21°32           | 13°33  | 4°39          | 4°47          | 24°29  | 28°21          | S 25 |
| S 26 | 20 12 41 | 2°28'42          | 28°43           | 29°29          | 27°18         | 18°41          | 15°40          | 7°47          | 25°14          | 21°34           | 13°35  | 4°39          | 4°43          | 24°36  | 28°21          | S 26 |
| M27  | 20 16 37 | 3°26'02          | 11 <b>≏</b> 14  | 0 Mp 32        | 28°31         | 19°19          | 15°33          | 7°49          | 25°12          | 21°36           | 13°36  | 4°39          | 4°40          | 24°43  | 28°21          | M27  |
| T 28 | 20 20 34 | 4°23'23          | 24° 3           | 1°32           | 29°44         | 19°57          | 15°26          | 7°50          | 25°11          | 21°38           | 13°38  | 4°39          | 4°37          | 24°49  | 28°22          | T 28 |
| W29  | 20 24 30 | 5°20'44          | 7 <b>M</b> ₊13  | 2°30           | 0 <b>m</b> 56 | 20°35          | 15°19          | 7°52          | 25°10          | 21°40           | 13°39  | 4°39          | 4°34          | 24°56  | 28°22          | W29  |
| T 30 | 20 28 27 | 6°18'06          | 20°46           | 3°24           | 2° 9          | 21°13          | 15°13          | 7°54          | 25° 9          | 21°42           | 13°41  | 4°39          | 4°31          | 25° 3  | 28°22          | T 30 |
| F 31 | 20 32 24 | 7 <b>Ω</b> 15'29 | 4 <b>₹</b> 45   | 4 Mp 15        | 3 Mp 22       | 21 <b>Ω</b> 51 | 15 <b>궁</b> 6  | 7 <b>M</b> 55 | 25 <b>∺</b> 7  | 21 <b>\O</b> 44 | 139542 | 4 <b>Ω</b> 39 | 4 <b>Ω</b> 27 | 259 9  | 28 <b>Y</b> 22 | F 31 |

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| Day  | Sid.t    | $\odot$            | D              | φ              | Q              | o <sup>7</sup>  | 4              | ħ              | )∤(           | ¥              | 5      | R             | Ω             | ţ     | Š              | Day  |
|------|----------|--------------------|----------------|----------------|----------------|-----------------|----------------|----------------|---------------|----------------|--------|---------------|---------------|-------|----------------|------|
| S 1  | 20 36 20 | 8 <b>N</b> 12'52   | 19 <b>∡</b> 7  | 5Mp 4          | 4 Mp 35        | 22 <b>N</b> 29  | 14°R59         | 7 <b>M</b> 57  | 25°R 6        | 21 <b>Ω</b> 47 | 139543 | 4 <b>Ω</b> 40 | 4 <b>Ω</b> 24 | 25916 | 28 <b>Y</b> 22 | S 1  |
| S 2  | 20 40 17 | 9°10'15            | 3 <b>ප්</b> 51 | 5°48           | 5°48           | 23° 7           | 14 <b>る</b> 53 | 7°59           | 25 <b>¥</b> 5 | 21°49          | 13°45  | 4°40          | 4°21          | 25°23 | 28°R22         | S 2  |
| M 3  | 20 44 13 | 10° 7'40           | 18°51          | 6°29           | 7° 1           | 23°45           | 14°47          | 8° 1           | 25° 3         | 21°51          | 13°46  | 4°40          | 4°18          | 25°29 | 28°22          | M 3  |
| T 4  | 20 48 10 | 11° 5'05           | 4≈ 0           | 7° 7           | 8°13           | 24°22           | 14°40          | 8° 4           | 25° 2         | 21°53          | 13°48  | 4°R40         | 4°15          | 25°36 | 28°22          | T 4  |
| W 5  | 20 52 6  | 12° 2'31           | 19° 8          | 7°40           | 9°26           | 25° 0           | 14°34          | 8° 6           | 25° 0         | 21°55          | 13°49  | 4°40          | 4°12          | 25°43 | 28°22          | W 5  |
| T 6  | 20 56 3  | 12°59'58           | 4 <b>光</b> 6   | 8° 9           | 10°39          | 25°38           | 14°28          | 8° 8           | 24°58         | 21°57          | 13°50  | 4°40          | 4° 8          | 25°49 | 28°22          | T 6  |
| F 7  | 20 59 59 | 13°57'26           | 18°47          | 8°34           | 11°51          | 26°16           | 14°23          | 8°11           | 24°57         | 22° 0          | 13°52  | 4°39          | 4° 5          | 25°56 | 28°22          | F 7  |
| S 8  | 21 3 56  | 14°54'56           | 3 <b>℃</b> 5   | 8°54           | 13° 4          | 26°54           | 14°17          | 8°13           | 24°55         | 22° 2          | 13°53  | 4°38          | 4° 2          | 26° 2 | 28°21          | S 8  |
| S 9  | 21 7 53  | 15°52'26           | 16°56          | 9°10           | 14°17          | 27°32           | 14°11          | 8°16           | 24°54         | 22° 4          | 13°54  | 4°36          | 3°59          | 26° 9 | 28°21          | S 9  |
| M10  | 21 11 49 | 16°49'58           | 0820           | 9°21           | 15°29          | 28°10           | 14° 6          | 8°19           | 24°52         | 22° 6          | 13°56  | 4°35          | 3°56          | 26°16 | 28°21          | M10  |
| T 11 | 21 15 46 | 17°47'32           | 13°18          | 9°26           | 16°42          | 28°48           | 14° 1          | 8°21           | 24°50         | 22° 9          | 13°57  | 4°D35         | 3°53          | 26°22 | 28°20          | T 11 |
| W12  | 21 19 42 | 18°45'07           | 25°54          | 9°R27          | 17°54          | 29°26           | 13°55          | 8°24           | 24°48         | 22°11          | 13°58  | 4°35          | 3°49          | 26°29 | 28°20          | W12  |
| T 13 | 21 23 39 | 19°42'43           | 8 <b>Ⅱ</b> 12  | 9°22           | 19° 7          | 0 Mp 4          | 13°50          | 8°27           | 24°47         | 22°13          | 14° 0  | 4°36          | 3°46          | 26°36 | 28°19          | T 13 |
| F 14 | 21 27 35 | 20°40'21           | 20°15          | 9°11           | 20°19          | 0°43            | 13°46          | 8°30           | 24°45         | 22°15          | 14° 1  | 4°37          | 3°43          | 26°42 | 28°18          | F 14 |
| S 15 | 21 31 32 | 21°38'00           | 295 9          | 8°55           | 21°32          | 1°21            | 13°41          | 8°34           | 24°43         | 22°17          | 14° 2  | 4°38          | 3°40          | 26°49 | 28°18          | S 15 |
| S 16 | 21 35 28 | 22°35'41           | 13°57          | 8°33           | 22°44          | 1°59            | 13°36          | 8°37           | 24°41         | 22°20          | 14° 3  | 4°40          | 3°37          | 26°56 | 28°17          | S 16 |
| M17  | 21 39 25 | 23°33'23           | 25°44          | 8° 6           | 23°57          | 2°37            | 13°32          | 8°40           | 24°39         | 22°22          | 14° 5  | 4°41          | 3°33          | 27° 2 | 28°16          | M17  |
| T 18 | 21 43 22 | 24°31'07           | $7\Omega$ 32   | 7°34           | 25° 9          | 3°15            | 13°28          | 8°44           | 24°37         | 22°24          | 14° 6  | 4°R41         | 3°30          | 27° 9 | 28°15          | T 18 |
| W19  | 21 47 18 | 25°28'52           | 19°25          | 6°56           | 26°22          | 3°53            | 13°24          | 8°47           | 24°35         | 22°26          | 14° 7  | 4°40          | 3°27          | 27°16 | 28°15          | W19  |
| T 20 | 21 51 15 | 26°26'39           | 1 m 24         | 6°14           | 27°34          | 4°31            | 13°20          | 8°51           | 24°33         | 22°29          | 14° 8  | 4°38          | 3°24          | 27°22 | 28°14          | T 20 |
| F 21 | 21 55 11 | 27°24'26           | 13°31          | 5°28           | 28°46          | 5° 9            | 13°16          | 8°54           | 24°31         | 22°31          | 14° 9  | 4°35          | 3°21          | 27°29 | 28°13          | F 21 |
| S 22 | 21 59 8  | 28°22'16           | 25°49          | 4°39           | 29°59          | 5°47            | 13°13          | 8°58           | 24°29         | 22°33          | 14°11  | 4°32          | 3°18          | 27°35 | 28°12          | S 22 |
| S 23 | 22 3 4   | 29°20'06           | 8 <b>≏</b> 18  | 3°47           | 1 <b>≏</b> 11  | 6°26            | 13° 9          | 9° 2           | 24°27         | 22°35          | 14°12  | 4°28          | 3°14          | 27°42 | 28°10          | S 23 |
| M24  | 22 7 1   | 0 <b>m</b> ) 17'58 | 21° 0          | 2°53           | 2°23           | 7° 4            | 13° 6          | 9° 6           | 24°25         | 22°37          | 14°13  | 4°24          | 3°11          | 27°49 | 28° 9          | M24  |
| T 25 | 22 10 57 | 1°15'51            | 3 <b>m</b> 57  | 1°59           | 3°35           | 7°42            | 13° 3          | 9°10           | 24°23         | 22°40          | 14°14  | 4°21          | 3° 8          | 27°55 | 28° 8          | T 25 |
| W26  | 22 14 54 | 2°13'45            | 17°10          | 1° 6           | 4°47           | 8°20            | 13° 0          | 9°14           | 24°20         | 22°42          | 14°15  | 4°19          | 3° 5          | 28° 2 | 28° 7          | W26  |
| T 27 | 22 18 50 | 3°11'40            | 0 <b>,</b> 740 | 0°14           | 6° 0           | 8°58            | 12°58          | 9°18           | 24°18         | 22°44          | 14°16  | 4°D18         | 3° 2          | 28° 9 | 28° 6          | T 27 |
| F 28 | 22 22 47 | 4° 9'37            | 14°29          | 29€24          | 7°12           | 9°36            | 12°55          | 9°22           | 24°16         | 22°46          | 14°17  | 4°18          | 2°58          | 28°15 | 28° 4          | F 28 |
| S 29 | 22 26 44 | 5° 7'35            | 28°37          | 28°39          | 8°24           | 10°15           | 12°53          | 9°27           | 24°14         | 22°48          | 14°18  | 4°20          | 2°55          | 28°22 | 28° 3          | S 29 |
| S 30 | 22 30 40 | 6° 5'35            | 13 <b>중</b> 3  | 27°58          | 9°36           | 10°53           | 12°51          | 9°31           | 24°12         | 22°51          | 14°19  | 4°21          | 2°52          | 28°29 | 28° 2          | S 30 |
| M31  | 22 34 37 | 7 <b>m</b> ) 3'36  | 27 <b>궁</b> 44 | 27 <b>Ω</b> 23 | 10 <b>≏</b> 48 | 11 <b>m</b> y31 | 12 <b>る</b> 49 | 9 <b>M</b> .36 | 24 <b>)</b> 9 | 22 <b>N</b> 53 | 149520 | 4°R22         | 2 <b>Ω</b> 49 | 28935 | 28 <b>Y</b> 0  | M31  |

Delta T = 23.93 sec

SEPTEMBER 1925 00:00 UT

| Day  | Sid.t    | 0                | D              | Ϋ́              | P             | ♂               | 4              | ħ               | )∤(            | ¥               | Р      | ₽.            | Ω             | ţ             | , k            | Day  |
|------|----------|------------------|----------------|-----------------|---------------|-----------------|----------------|-----------------|----------------|-----------------|--------|---------------|---------------|---------------|----------------|------|
| T 1  | 22 38 33 | 8 mg 1'38        | 12≈35          | 26°R55          | 12 <b>♀</b> 0 | 12 <b>m</b> ) 9 | 12°R48         | 9 <b>M</b> .40  | 24°R 7         | 22 <b>N</b> 55  | 149521 | 4°R22         | 2Ω46          | 289542        | 27°R59         | T 1  |
| W 2  | 22 42 30 | 8°59'42          | 27°30          | 26€35           | 13°12         | 12°48           | 12 <b>る</b> 46 | 9°45            | 24 <b>米</b> 5  | 22°57           | 14°22  | $4\Omega 20$  | 2°43          | 28°49         | 27 <b>Y</b> 57 | W 2  |
| T 3  | 22 46 26 | 9°57'47          | 12 <b>米</b> 20 | 26°22           | 14°23         | 13°26           | 12°45          | 9°49            | 24° 2          | 22°59           | 14°23  | 4°17          | 2°39          | 28°55         | 27°55          | T 3  |
| F 4  | 22 50 23 | 10°55'54         | 26°58          | 26°D17          | 15°35         | 14° 4           | 12°44          | 9°54            | 24° 0          | 23° 1           | 14°24  | 4°12          | 2°36          | 29° 2         | 27°54          | F 4  |
| S 5  | 22 54 19 | 11°54'02         | 11 <b>Y</b> 17 | 26°21           | 16°47         | 14°43           | 12°43          | 9°59            | 23°58          | 23° 3           | 14°25  | 4° 6          | 2°33          | 29° 9         | 27°52          | S 5  |
| S 6  | 22 58 16 | 12°52'13         | 25°12          | 26°34           | 17°59         | 15°21           | 12°42          | 10° 4           | 23°55          | 23° 6           | 14°26  | 4° 1          | 2°30          | 29°15         | 27°50          | S 6  |
| M 7  | 23 2 13  | 13°50'26         | 8 <b>8</b> 41  | 26°56           | 19°10         | 15°59           | 12°42          | 10° 9           | 23°53          | 23° 8           | 14°27  | 3°55          | 2°27          | 29°22         | 27°48          | M 7  |
| T 8  | 23 6 9   | 14°48'40         | 21°43          | 27°26           | 20°22         | 16°38           | 12°41          | 10°14           | 23°51          | 23°10           | 14°28  | 3°51          | 2°24          | 29°28         | 27°47          | T 8  |
| W 9  | 23 10 6  | 15°46'57         | 4 <b>Ⅱ</b> 22  | 28° 5           | 21°34         | 17°16           | 12°D41         | 10°19           | 23°48          | 23°12           | 14°29  | 3°49          | 2°20          | 29°35         | 27°45          | W 9  |
| T 10 | 23 14 2  | 16°45'16         | 16°40          | 28°52           | 22°45         | 17°55           | 12°41          | 10°24           | 23°46          | 23°14           | 14°30  | 3°D48         | 2°17          | 29°42         | 27°43          | T 10 |
| F 11 | 23 17 59 | 17°43'37         | 28°43          | 29°47           | 23°57         | 18°33           | 12°41          | 10°29           | 23°44          | 23°16           | 14°30  | 3°49          | 2°14          | 29°48         | 27°41          | F 11 |
| S 12 | 23 21 55 | 18°42'00         | 10936          | 0 <b>m</b> y 50 | 25° 8         | 19°12           | 12°42          | 10°34           | 23°41          | 23°18           | 14°31  | 3°50          | 2°11          | 29°55         | 27°39          | S 12 |
| S 13 | 23 25 52 | 19°40'25         | 22°23          | 1°59            | 26°20         | 19°50           | 12°42          | 10°40           | 23°39          | 23°20           | 14°32  | 3°51          | 2° 8          | 0 <b>Ω</b> 2  | 27°37          | S 13 |
| M14  | 23 29 48 | 20°38'52         | 4Ω11           | 3°14            | 27°31         | 20°28           | 12°43          | 10°45           | 23°36          | 23°22           | 14°33  | 3°R52         | 2° 4          | 0° 8          | 27°35          | M14  |
| T 15 | 23 33 45 | 21°37'21         | 16° 2          | 4°35            | 28°42         | 21° 7           | 12°44          | 10°51           | 23°34          | 23°24           | 14°33  | 3°51          | 2° 1          | 0°15          | 27°33          | T 15 |
| W16  | 23 37 42 | 22°35'52         | 28° 1          | 6° 2            | 29°54         | 21°46           | 12°45          | 10°56           | 23°32          | 23°26           | 14°34  | 3°48          | 1°58          | 0°22          | 27°31          | W16  |
| T 17 | 23 41 38 | 23°34'25         | 10 <b>m</b> 10 | 7°33            | 1 <b>m</b> 5  | 22°24           | 12°47          | 11° 2           | 23°29          | 23°28           | 14°35  | 3°43          | 1°55          | 0°28          | 27°28          | T 17 |
| F 18 | 23 45 35 | 24°33'00         | 22°32          | 9° 8            | 2°16          | 23° 3           | 12°48          | 11° 7           | 23°27          | 23°30           | 14°35  | 3°36          | 1°52          | 0°35          | 27°26          | F 18 |
| S 19 | 23 49 31 | 25°31'37         | 5 <b>₾</b> 7   | 10°46           | 3°28          | 23°41           | 12°50          | 11°13           | 23°24          | 23°32           | 14°36  | 3°27          | 1°49          | 0°42          | 27°24          | S 19 |
| S 20 | 23 53 28 | 26°30'16         | 17°55          | 12°27           | 4°39          | 24°20           | 12°52          | 11°19           | 23°22          | 23°34           | 14°37  | 3°17          | 1°45          | 0°48          | 27°22          | S 20 |
| M21  | 23 57 24 | 27°28'57         | 0 <b>M</b> .56 | 14°11           | 5°50          | 24°58           | 12°54          | 11°25           | 23°20          | 23°36           | 14°37  | 3° 8          | 1°42          | 0°55          | 27°19          | M21  |
| T 22 | 0 121    | 28°27'40         | 14°10          | 15°56           | 7° 1          | 25°37           | 12°57          | 11°30           | 23°17          | 23°38           | 14°38  | 3° 0          | 1°39          | 1° 1          | 27°17          | T 22 |
| W23  | 0 5 17   | 29°26'24         | 27°35          | 17°43           | 8°12          | 26°16           | 12°59          | 11°36           | 23°15          | 23°40           | 14°38  | 2°54          | 1°36          | 1° 8          | 27°15          | W23  |
| T 24 | 0 9 14   | 0 <b>≏</b> 25'10 | 11 <b>才</b> 12 | 19°31           | 9°23          | 26°54           | 13° 2          | 11°42           | 23°12          | 23°42           | 14°39  | 2°50          | 1°33          | 1°15          | 27°12          | T 24 |
| F 25 | 0 13 10  | 1°23'58          | 2 <u>5</u> ° 0 | 21°20           | 10°34         | 27°33           | 13° 5          | 11°48           | 23°10          | 23°44           | 14°39  | 2°48          | 1°30          | 1°21          | 27°10          | F 25 |
| S 26 | 0 17 7   | 2°22'48          | 9 <b>ろ</b> 0   | 23° 9           | 11°44         | 28°12           | 13° 8          | 11°54           | 23° 8          | 23°45           | 14°40  | 2°D48         | 1°26          | 1°28          | 27° 7          | S 26 |
| S 27 | 0 21 4   | 3°21'39          | 23°10          | 24°59           | 12°55         | 28°51           | 13°11          | 12° 0           | 23° 5          | 23°47           | 14°40  | 2°49          | 1°23          | 1°35          | 27° 5          | S 27 |
| M28  | 0 25 0   | 4°20'32          | 7≈30           | 26°48           | 14° 6         | 29°29           | 13°14          | 12° 7           | 23° 3          | 23°49           | 14°41  | 2°R49         | 1°20          | 1°41          | 27° 2          | M28  |
| T 29 | 0 28 57  | 5°19'27          | 21°57          | 28°38           | 15°17         | 0 <b>დ</b> 8    | 1 <u>3</u> °18 | 12°13           | 23° 1          | 23°51           | 14°41  | 2°47          | 1°17          | 1°48          | 27° 0          | T 29 |
| W30  | 0 32 53  | 6 <b>₾</b> 18'23 | 6 <b>∺</b> 28  | 0 <b>ჲ</b> 27   | 16ML27        | 0 <b>ჲ</b> 47   | 13 <b>る</b> 22 | 12 <b>M</b> .19 | 22 <b>米</b> 58 | 23 <b>\O</b> 52 | 149542 | 2 <b>Ω</b> 43 | 1 <b>Ω</b> 14 | 1 <b>Ω</b> 55 | 26 <b>℃</b> 57 | W30  |

Delta T = 23.95 sec

OCTOBER 1925 00:00 UT

| Day   Sid.t   O   D   Q   Q   O'   Q   D   Q   Q   O'   Q   D   Q   Q   D   D   Q   D   D   D   | <b>ξ</b> δ<br>2Ω 1 26°R55 | 1    |
|---|---------------------------|------|
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 20 1 200B56               | Day  |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                           |      |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 2° 8   26 <b>Υ</b> 52     | F 2  |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | 2°15 26°49                | S 3  |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 2°21 26°47                | S 4  |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | 2°28 26°44                | M 5  |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | 2°34 26°41                | T 6  |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 2°41 26°39                | W 7  |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | 2°48 26°36                | T 8  |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | 2°54 26°33                | F 9  |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | 3° 1 26°30                | S 10 |
| T 13  | 3° 8   26°28              | S 11 |
| W14   | 3°14 26°25                | M12  |
| T 15     1 32     2     21° 6'46     18°30     26°28     3°57     10°31     14°39     13°57     22°26     24°16     14°45     1°21     0°26       F 16     1 35 58     22° 6'18     1 \( \oldsymbol{\Omega} \) 5     7     11°10     14°46     14° 4     22°24     24°17     14°R45     1°11     0°23 | 3°21 26°22                | T 13 |
| F 16   1 35 58   22° 6'18   1 \( \Omega \) 5   28° 7   5° 7   11°10   14°46   14° 4   22°24   24°17   14°R45   1°11   0°23  | 3°28 26°19                | W14  |
|   | 3°34 26°17                | T 15 |
| S 17     1 39 55     23° 5'51     13°57     29°44     6°16     11°50     14°53     14°11     22°22     24°19     14°45     0°59     0°20  | 3°41 26°14                | F 16 |
|   | 3°48 26°11                | S 17 |
| S 18   1 43 51   24° 5'27   27° 7   1ML21   7°25   12°29   14°59   14°18   22°20   24°20   14°45   0°46   0°16  | 3°54   26° 8              | S 18 |
| M19   1 47 48   25° 5'05   10 M32   2°58   8°34   13° 8   15° 6   14°25   22°18   24°21   14°45   0°33   0°13   | 4° 1   26° 5              | M19  |
| T 20   1 51 44   26° 4'44   24°10   4°34   9°43   13°47   15°14   14°32   22°16   24°23   14°44   0°21   0°10   | 4° 7   26° 3              | T 20 |
| W21   1 55 41   27° 4'26   7 \$\stackstyle{x}\$57   6° 9   10°52   14°27   15°21   14°39   22°14   24°24   14°44   0°12   0° 7  | 4°14 26° 0                | W21  |
| T 22   1 59 37   28° 4'09   21°52   7°43   12° 1   15° 6   15°28   14°46   22°12   24°25   14°44   0° 6   0° 4  | 4°21 25°57                |      |
| F 23   2 3 34   29° 3'55   5 <b>3</b> 52   9°17   13°10   15°45   15°36   14°53   22°10   24°26   14°44   0° 3   0° 1   | 4°27 25°54                | -    |
| S 24   2 7 31   OML 3'42   19°55   10°51   14°18   16°25   15°43   15° 0   22° 9   24°27   14°44   0° 2   29©57   | 4°34   25°51              | S 24 |
| S 25   2 11 27   1° 3'30   3≈59   12°24   15°27   17° 4   15°51   15° 7   22° 7   24°29   14°44   0° 2   29°54  | 4°41 25°49                | ~    |
| M26   2 15 24   2° 3'20   18° 6   13°56   16°35   17°43   15°59   15°14   22° 5   24°30   14°43   0° 1   29°51  | 4°47 25°46                |      |
| T 27   2 19 20   3° 3'12   2₩13   15°28   17°43   18°23   16° 7   15°21   22° 4   24°31   14°43   29©59   29°48   | 4°54 25°43                |      |
| W28         2 23 17         4° 3'06         16°19         16°59         18°51         19° 2         16°16         15°28         22° 2         24°32         14°43         29°54         29°45   | 5° 1   25°40              |      |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | 5° 7   25°37              | -    |
| F 30   2 31 10   6° 2'57   14°17   20° 1   21° 7   20°21   16°33   15°42   21°59   24°34   14°42   29°37   29°38  | 5°14 25°35                |      |
| S 31   2 35 6   7ML 2'56   28Y 1   21M30   22√15   21♀ 1   16♂41   15M49   21升57   24Ω35   14ञ42   29ञ24   29ञ35   :  |                           | S 31 |

Delta T = 23.97 sec

NOVEMBER 1925 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ               | Q              | ♂              | 4              | ħ              | )Å(            | ¥              | В      | P      | v     | ţ             | ę<br>k         | Day  |
|------|---------|------------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|--------|-------|---------------|----------------|------|
| S 1  | 2 39 3  | 8M 2'56          | 11831          | 23M 0           | 23 <b>×</b> 22 | 21 <u>₽</u> 40 | 16 <b>궁</b> 50 | 15 <b>M</b> 57 | 21°R56         | 24 <b>Q</b> 36 | 14°R42 | 29°R11 | 29932 | 5 <b>Ω</b> 27 | 25°R29         | S 1  |
| M 2  | 2 43 0  | 9° 2'59          | 24°44          | 24°29           | 24°30          | 22°20          | 16°59          | 16° 4          | 21 <b>米</b> 55 | 24°36          | 149541 | 28959  | 29°29 | 5°34          | 25 <b>Y</b> 27 | M 2  |
| T 3  | 2 46 56 | 10° 3'03         | 7Ⅱ38           | 25°57           | 25°37          | 22°59          | 17° 8          | 16°11          | 21°53          | 24°37          | 14°41  | 28°48  | 29°26 | 5°41          | 25°24          | T 3  |
| W 4  | 2 50 53 | 11° 3'10         | 20°12          | 27°25           | 26°44          | 23°39          | 17°17          | 16°18          | 21°52          | 24°38          | 14°40  | 28°40  | 29°22 | 5°47          | 25°21          | W 4  |
| T 5  | 2 54 49 | 12° 3'18         | 29             | 28°52           | 27°51          | 24°19          | 17°27          | 16°25          | 21°51          | 24°39          | 14°40  | 28°35  | 29°19 | 5°54          | 25°18          | T 5  |
| F 6  | 2 58 46 | 13° 3'29         | 14°32          | 0 <b>才</b> 18   | 28°57          | 24°58          | 17°36          | 16°32          | 21°49          | 24°40          | 14°39  | 28°32  | 29°16 | 6° 0          | 25°16          | F 6  |
| S 7  | 3 2 42  | 14° 3'41         | 26°25          | 1°44            | 0중 4           | 25°38          | 17°46          | 16°40          | 21°48          | 24°40          | 14°39  | 28°D31 | 29°13 | 6° 7          | 25°13          | S 7  |
| S 8  | 3 6 3 9 | 15° 3'55         | 8 <b>Ω</b> 13  | 3°10            | 1°10           | 26°18          | 17°55          | 16°47          | 21°47          | 24°41          | 14°38  | 28°31  | 29°10 | 6°14          | 25°11          | S 8  |
| M 9  | 3 10 35 | 16° 4'12         | 20° 2          | 4°34            | 2°16           | 26°57          | 18° 5          | 16°54          | 21°46          | 24°42          | 14°38  | 28°R31 | 29° 7 | 6°20          | 25° 8          | M 9  |
| T 10 | 3 14 32 | 17° 4'30         | 1 <b>m</b> 56  | 5°58            | 3°22           | 27°37          | 18°15          | 17° 1          | 21°45          | 24°42          | 14°37  | 28°30  | 29° 3 | 6°27          | 25° 5          | T 10 |
| W11  | 3 18 29 | 18° 4'51         | 14° 2          | 7°21            | 4°28           | 28°17          | 18°25          | 17° 8          | 21°44          | 24°43          | 14°37  | 28°27  | 29° 0 | 6°34          | 25° 3          | W11  |
| T 12 | 3 22 25 | 19° 5'13         | 26°24          | 8°43            | 5°34           | 28°57          | 18°35          | 17°16          | 21°43          | 24°43          | 14°36  | 28°22  | 28°57 | 6°40          | 25° 0          | T 12 |
| F 13 | 3 26 22 | 20° 5'37         | 9 <b>₾</b> 6   | 10° 4           | 6°39           | 29°37          | 18°45          | 17°23          | 21°42          | 24°44          | 14°35  | 28°13  | 28°54 | 6°47          | 24°58          | F 13 |
| S 14 | 3 30 18 | 21° 6'03         | 22°10          | 11°25           | 7°44           | 0 <b>M</b> .17 | 18°56          | 17°30          | 21°41          | 24°44          | 14°35  | 28° 3  | 28°51 | 6°54          | 24°55          | S 14 |
| S 15 | 3 34 15 | 22° 6'31         | 5 <b>M</b> 35  | 12°43           | 8°49           | 0°56           | 19° 6          | 17°37          | 21°40          | 24°45          | 14°34  | 27°52  | 28°47 | 7° 0          | 24°53          | S 15 |
| M16  | 3 38 11 | 23° 7'01         | 19°22          | 14° 1           | 9°54           | 1°36           | 19°17          | 17°44          | 21°39          | 24°45          | 14°33  | 27°41  | 28°44 | 7° 7          | 24°51          | M16  |
| T 17 | 3 42 8  | 24° 7'32         | 3 <b>∡</b> 125 | 15°17           | 10°58          | 2°16           | 19°27          | 17°51          | 21°39          | 24°46          | 14°33  | 27°30  | 28°41 | 7°14          | 24°48          | T 17 |
| W18  | 3 46 4  | 25° 8'05         | 17°40          | 16°31           | 12° 3          | 2°56           | 19°38          | 17°59          | 21°38          | 24°46          | 14°32  | 27°22  | 28°38 | 7°20          | 24°46          | W18  |
| T 19 | 3 50 1  | 26° 8'39         | 2ਰ 1           | 17°43           | 13° 7          | 3°36           | 19°49          | 18° 6          | 21°37          | 24°46          | 14°31  | 27°17  | 28°35 | 7°27          | 24°44          | T 19 |
| F 20 | 3 53 58 | 27° 9'15         | 16°23          | 18°53           | 14°10          | 4°16           | 20° 0          | 18°13          | 21°37          | 24°47          | 14°30  | 27°15  | 28°32 | 7°33          | 24°41          | F 20 |
| S 21 | 3 57 54 | 28° 9'52         | 0≈43           | 20° 0           | 15°14          | 4°57           | 20°11          | 18°20          | 21°36          | 24°47          | 14°30  | 27°D14 | 28°28 | 7°40          | 24°39          | S 21 |
| S 22 | 4 1 5 1 | 29°10'30         | 14°57          | 21° 5           | 16°17          | 5°37           | 20°22          | 18°27          | 21°36          | 24°47          | 14°29  | 27°15  | 28°25 | 7°47          | 24°37          | S 22 |
| M23  | 4 5 47  | 0 <b>√</b> 11'09 | 29° 3          | 22° 6           | 17°19          | 6°17           | 20°34          | 18°34          | 21°35          | 24°47          | 14°28  | 27°R15 | 28°22 | 7°53          | 24°35          | M23  |
| T 24 | 4 9 44  | 1°11'49          | 13 <b>)</b> 1  | 23° 3           | 18°22          | 6°57           | 20°45          | 18°41          | 21°35          | 24°47          | 14°27  | 27°15  | 28°19 | 8° 0          | 24°33          | T 24 |
| W25  | 4 13 40 | 2°12'30          | 26°51          | 23°56           | 19°24          | 7°37           | 20°56          | 18°48          | 21°34          | 24°48          | 14°26  | 27°12  | 28°16 | 8° 7          | 24°30          | W25  |
| T 26 | 4 17 37 | 3°13'12          | 10 <b>Y</b> 30 | 24°44           | 20°26          | 8°17           | 21° 8          | 18°55          | 21°34          | 24°48          | 14°25  | 27° 7  | 28°12 | 8°13          | 24°28          | T 26 |
| F 27 | 4 21 33 | 4°13'55          | 24° 0          | 25°27           | 21°27          | 8°58           | 21°20          | 19° 3          | 21°34          | 24°48          | 14°24  | 27° 0  | 28° 9 | 8°20          | 24°26          | F 27 |
| S 28 | 4 25 30 | 5°14'40          | 7 <b>8</b> 19  | 26° 4           | 22°28          | 9°38           | 21°31          | 19°10          | 21°34          | 24°R48         | 14°24  | 26°51  | 28° 6 | 8°27          | 24°24          | S 28 |
| S 29 | 4 29 27 | 6°15'25          | 20°25          | 26°33           | 23°29          | 10°18          | 21°43          | 19°17          | 21°33          | 24°48          | 14°23  | 26°41  | 28° 3 | 8°33          | 24°23          | S 29 |
| M30  | 4 33 23 | 7 <b>√</b> 16'12 | 3 <b>Ⅱ</b> 17  | 26 <b>₹</b> 155 | 24 <b>궁</b> 29 | 10 <b>M</b> 58 | 21 <b>る</b> 55 | 19 <b>M</b> 24 | 21 <b>∺</b> 33 | 24 <b>Ω</b> 48 | 149522 | 26932  | 289 0 | 8 <b>Ω</b> 40 | 24 <b>Y</b> 21 | M30  |

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DECEMBER 1925 00:00 UT

| Day  | Sid.t   | 0                | D               | ğ              | Q-             | ঠ               | 4              | ħ               | ᡟ              | ¥              | Р      | ß      | Ω      | Ç             | Š.             | Day  |
|------|---------|------------------|-----------------|----------------|----------------|-----------------|----------------|-----------------|----------------|----------------|--------|--------|--------|---------------|----------------|------|
| T 1  | 4 37 20 | 8 <b>₮</b> 17'00 | 15 <b>Ⅱ</b> 55  | 27 <b>×7</b> 8 | 25 <b>る</b> 29 | 11 <b>M</b> .39 | 22중 7          | 19 <b>M</b> .30 | 21°D33         | 24°R47         | 14°R21 | 26°R24 | 27957  | 8 <b>Ω</b> 47 | 24°R19         | T 1  |
| W 2  | 4 41 16 | 9°17'50          | 28°18           | 27°R12         | 26°28          | 12°19           | 22°19          | 19°37           | 21 <b>米</b> 33 | 24 <b>Ω</b> 47 | 149520 | 269518 | 27°53  | 8°53          | 24 <b>Y</b> 17 | W 2  |
| T 3  | 4 45 13 | 10°18'40         | 109529          | 27° 6          | 27°27          | 13° 0           | 22°31          | 19°44           | 21°33          | 24°47          | 14°19  | 26°15  | 27°50  | 9° 0          | 24°15          | T 3  |
| F 4  | 4 49 9  | 11°19'32         | 22°28           | 26°49          | 28°26          | 13°40           | 22°43          | 19°51           | 21°33          | 24°47          | 14°18  | 26°D13 | 27°47  | 9° 7          | 24°14          | F 4  |
| S 5  | 4 53 6  | 12°20'25         | 4 <b>Ω</b> 20   | 26°21          | 29°24          | 14°20           | 22°56          | 19°58           | 21°34          | 24°47          | 14°17  | 26°14  | 27°44  | 9°13          | 24°12          | S 5  |
| S 6  | 4 57 2  | 13°21'19         | 16° 7           | 25°41          | 0≈21           | 15° 1           | 23° 8          | 20° 5           | 21°34          | 24°46          | 14°16  | 26°15  | 27°41  | 9°20          | 24°10          | S 6  |
| M 7  | 5 0 59  | 14°22'14         | 27°55           | 24°51          | 1°18           | 15°41           | 23°20          | 20°12           | 21°34          | 24°46          | 14°15  | 26°17  | 27°38  | 9°26          | 24° 9          | M 7  |
| T 8  | 5 4 56  | 15°23'11         | 9 <b>₯</b> 48   | 23°50          | 2°15           | 16°22           | 23°33          | 20°18           | 21°34          | 24°46          | 14°13  | 26°18  | 27°34  | 9°33          | 24° 7          | T 8  |
| W 9  | 5 8 52  | 16°24'09         | 21°53           | 22°41          | 3°10           | 17° 3           | 23°45          | 20°25           | 21°35          | 24°45          | 14°12  | 26°R18 | 27°31  | 9°40          | 24° 6          | W 9  |
| T 10 | 5 12 49 | 17°25'08         | 4 <b>≏</b> 13   | 21°25          | 4° 6           | 17°43           | 23°58          | 20°32           | 21°35          | 24°45          | 14°11  | 26°16  | 27°28  | 9°46          | 24° 4          | T 10 |
| F 11 | 5 16 45 | 18°26'08         | 16°53           | 20° 4          | 5° 0           | 18°24           | 24°11          | 20°38           | 21°36          | 24°45          | 14°10  | 26°13  | 27°25  | 9°53          | 24° 3          | F 11 |
| S 12 | 5 20 42 | 19°27'09         | 29°58           | 18°41          | 5°55           | 19° 4           | 24°23          | 20°45           | 21°36          | 24°44          | 14° 9  | 26° 8  | 27°22  | 10° 0         | 24° 2          | S 12 |
| S 13 | 5 24 38 | 20°28'12         | 13M29           | 17°18          | 6°48           | 19°45           | 24°36          | 20°52           | 21°37          | 24°44          | 14° 8  | 26° 2  | 27°18  | 10° 6         | 24° 0          | S 13 |
| M14  | 5 28 35 | 21°29'15         | 27°25           | 16° 0          | 7°41           | 20°26           | 24°49          | 20°58           | 21°37          | 24°43          | 14° 7  | 25°56  | 27°15  | 10°13         | 23°59          | M14  |
| T 15 | 5 32 31 | 22°30'19         | 11 <b>×7</b> 43 | 14°47          | 8°33           | 21° 7           | 25° 2          | 21° 5           | 21°38          | 24°42          | 14° 6  | 25°51  | 27°12  | 10°20         | 23°58          | T 15 |
| W16  | 5 36 28 | 23°31'24         | 26°20           | 13°43          | 9°24           | 21°47           | 25°15          | 21°11           | 21°39          | 24°42          | 14° 5  | 25°47  | 27° 9  | 10°26         | 23°57          | W16  |
| T 17 | 5 40 25 | 24°32'30         | 11 <b>궁</b> 6   | 12°48          | 10°15          | 22°28           | 25°28          | 21°18           | 21°40          | 24°41          | 14° 3  | 25°45  | 27° 6  | 10°33         | 23°56          | T 17 |
| F 18 | 5 44 21 | 25°33'36         | 25°56           | 12° 4          | 11° 5          | 23° 9           | 25°41          | 21°24           | 21°40          | 24°41          | 14° 2  | 25°D44 | 27° 3  | 10°40         | 23°55          | F 18 |
| S 19 | 5 48 18 | 26°34'43         | 10≈42           | 11°31          | 11°53          | 23°50           | 25°55          | 21°30           | 21°41          | 24°40          | 14° 1  | 25°45  | 26°59  | 10°46         | 23°54          | S 19 |
| S 20 | 5 52 14 | 27°35'50         | 25°17           | 11° 8          | 12°42          | 24°31           | 26° 8          | 21°37           | 21°42          | 24°39          | 14° 0  | 25°46  | 26°56  | 10°53         | 23°53          | S 20 |
| M21  | 5 56 11 | 28°36'57         | 9 <b>)</b> 37   | 10°57          | 13°29          | 25°12           | 26°21          | 21°43           | 21°43          | 24°38          | 13°59  | 25°47  | 26°53  | 11° 0         | 23°52          | M21  |
| T 22 | 6 0 7   | 29°38'04         | 23°41           | 10°D55         | 14°15          | 25°53           | 26°34          | 21°49           | 21°44          | 24°38          | 13°57  | 25°R48 | 26°50  | 11° 6         | 23°51          | T 22 |
| W23  | 6 4 4   | 0 <b>ට</b> 39'12 | 7 <b>Υ</b> 27   | 11° 3          | 15° 0          | 26°34           | 26°48          | 21°55           | 21°45          | 24°37          | 13°56  | 25°48  | 26°47  | 11°13         | 23°50          | W23  |
| T 24 | 6 8 0   | 1°40'19          | 20°56           | 11°20          | 15°44          | 27°15           | 27° 1          | 22° 1           | 21°46          | 24°36          | 13°55  | 25°47  | 26°44  | 11°20         | 23°50          | T 24 |
| F 25 | 6 11 57 | 2°41'27          | 4 <b>8</b> 9    | 11°44          | 16°28          | 27°56           | 27°15          | 22° 7           | 21°48          | 24°35          | 13°54  | 25°45  | 26°40  | 11°26         | 23°49          | F 25 |
| S 26 | 6 15 54 | 3°42'35          | 17° 6           | 12°16          | 17°10          | 28°37           | 27°28          | 22°13           | 21°49          | 24°34          | 13°52  | 25°42  | 26°37  | 11°33         | 23°49          | S 26 |
| S 27 | 6 19 50 | 4°43'43          | 29°50           | 12°54          | 17°51          | 29°18           | 27°42          | 22°19           | 21°50          | 24°33          | 13°51  | 25°38  | 26°34  | 11°39         | 23°48          | S 27 |
| M28  | 6 23 47 | 5°44'51          | 12 <b>Ⅲ</b> 22  | 13°38          | 18°30          | 29°59           | 27°55          | 22°25           | 21°51          | 24°32          | 13°50  | 25°35  | 26°31  | 11°46         | 23°48          | M28  |
| T 29 | 6 27 43 | 6°45'59          | 24°41           | 14°27          | 19° 9          | 0 <b>₮</b> 40   | 28° 9          | 22°31           | 21°53          | 24°31          | 13°49  | 25°32  | 26°28  | 11°53         | 23°47          | T 29 |
| W30  | 6 31 40 | 7°47'07          | 6951            | 15°20          | 19°46          | 1°21            | 28°23          | 22°37           | 21°54          | 24°30          | 13°48  | 25°30  | 26°24  | 11°59         | 23°47          | W30  |
| T 31 | 6 35 36 | 8 <b>건</b> 48'15 | 18952           | 16 <b>∡</b> 17 | 20≈21          | 2 <b>₹</b> 2    | 28 <b>궁</b> 36 | 22 <b>M</b> 43  | 21 <b>米</b> 56 | $24\Omega 29$  | 139546 | 259    | 269521 | 12 <b>0</b> 6 | 23 <b>Y</b> 47 | T 31 |

Delta T = 24.00 sec

JANUARY 1926 00:00 UT

| Day          | Sid.t              | 0                    | D                            | ğ               | φ               | ď              | 4                      | ħ              | )∤(              | ¥              | Р              | V               | Ω               | Ç               | \begin{center} \begin | Day          |
|--------------|--------------------|----------------------|------------------------------|-----------------|-----------------|----------------|------------------------|----------------|------------------|----------------|----------------|-----------------|-----------------|-----------------|--|--------------|
| F 1          | 6 39 33            | 9 <b>る</b> 49'24     | 0 <b>Ω</b> 46                | 17 <b>,7</b> 18 | 20≈56           | 2 <b>√</b> 144 | 28 <b>궁</b> 50         | 22 <b>M</b> 48 | 21 <b>) (</b> 57 | 24°R28         | 13°R45         | 25°D29          | 269518          | 12 <b>\O</b> 13 | 23°R46   | F 1          |
| S 2          | 6 43 29            | 10°50'33             | 12°36                        | 18°22           | 21°29           | 3°25           | 29° 4                  | 22°54          | 21°59            | 24 <b>Ω</b> 27 | 139944         | 25930           | 26°15           | 12°19           | 23 <b>Y</b> 46   | S 2          |
| S 3          | 6 47 26            | 11°51'41             | 24°23                        | 19°29           | 22° 0           | 4° 6           | 29°18                  | 22°59          | 22° 0            | 24°26          | 13°43          | 25°31           | 26°12           | 12°26           | 23°46  | S 3          |
| M 4          | 6 51 23            | 12°52'50             | 6 <b>m</b> 11                | 20°39           | 22°30           | 4°48           | 29°32                  | 23° 5          | 22° 2            | 24°25          | 13°41          | 25°32           | 26° 9           | 12°33           | 23°46  | M 4          |
| T 5          | 6 55 19            | 13°54'00             | 18° 5                        | 21°50           | 22°58           | 5°29           | 29°46                  | 23°10          | 22° 4            | 24°24          | 13°40          | 25°33           | 26° 5           | 12°39           | 23°D46   | T 5          |
| W 6<br>T 7   | 6 59 16<br>7 3 12  | 14°55'09<br>15°56'18 | 0 <u><b>Ω</b></u> 8<br>12°25 | 23° 4<br>24°19  | 23°24<br>23°49  | 6°10<br>6°52   | 29°59<br>0 <b>≈</b> 13 | 23°16<br>23°21 | 22° 5<br>22° 7   | 24°22<br>24°21 | 13°39<br>13°37 | 25°34<br>25°R35 | 26° 2<br>25°59  | 12°46<br>12°53  | 23°46<br>23°46   | W 6<br>T 7   |
| F 8          | 7 7 9              | 16°57'28             | 25° 1                        | 25°36           | 24°11           | 7°33           | 0°27                   | 23°26          | 22° 9            | 24°20          | 13°36          | 25°35           | 25°56           | 12°59           | 23°46  | F 8          |
| S 9          | 711 5              | 17°58'37             | 7 <b>M</b> 59                | 26°54           | 24°32           | 8°15           | 0°41                   | 23°31          | 22°11            | 24°19          | 13°35          | 25°34           | 25°53           | 13° 6           | 23°47  | S 9          |
| S 10         | 7 15 2             | 18°59'47             | 21°23                        | 28°14           | 24°51           | 8°56           | 0°55                   | 23°36          | 22°13            | 24°17          | 13°34          | 25°33           | 25°50           | 13°13           | 23°47  | S 10         |
| M11          | 7 18 58            | 20° 0'57             | 5 <b>₹</b> 14                | 29°35           | 25° 8           | 9°38           | 1° 9                   | 23°42          | 22°15            | 24°16          | 13°32          | 25°33           | 25°46           | 13°19           | 23°47  | M11          |
| T 12         | 7 22 55            | 21° 2'06             | 1 <u>9</u> °32               | 0 <b>궁</b> 57   | 25°23           | 10°19          | 1°23                   | 23°46          | 22°17            | 24°15          | 13°31          | 25°32           | 25°43           | 13°26           | 23°48  | T 12         |
| W13          | 7 26 52            | 22° 3'16             | 4 <b>궁</b> 14                | 2°20            | 25°36           | 11° 1          | 1°37                   | 23°51          | 22°19            | 24°13          | 13°30          | 25°32           | 25°40           | 13°33           | 23°48  | W13          |
| T 14<br>F 15 | 7 30 48<br>7 34 45 | 23° 4'25<br>24° 5'34 | 19°13<br>4 <b>≈</b> 21       | 3°43<br>5° 8    | 25°46<br>25°54  | 11°42<br>12°24 | 1°52<br>2° 6           | 23°56<br>24° 1 | 22°21<br>22°23   | 24°12<br>24°11 | 13°29<br>13°27 | 25°D32<br>25°32 | 25°37<br>25°34  | 13°39<br>13°46  | 23°49<br>23°49   | T 14<br>F 15 |
| S 16         | 7 34 43            | 24 3 34<br>25° 6'42  | 4≈21<br>19°29                | 6°34            | 25° 34<br>26° 0 | 12 24<br>13° 6 | 2°20                   | 24° 6          | 22°25            | 24 11<br>24° 9 | 13°26          | 25°R32          | 25°30           | 13°53           | 23°50  | S 16         |
| S 17         | 7 42 38            | 26° 7'50             | 4 <b>¥</b> 28                | 8° 0            | 26° 4           | 13°47          | 2°34                   | 24°10          | 22°27            | 24° 8          | 13°25          | 25°32           | 25°27           | 13°59           | 23°50  | S 17         |
| M18          | 7 46 34            | 27° 8'57             | 19°11                        | 9°27            | 26°R 5          | 14°29          | 2°48                   | 24°15          | 22°30            | 24° 6          | 13°24          | 25°32           | 25°24           | 14° 6           | 23°51  | M18          |
| T 19         | 7 50 31            | 28°10'03             | <b>3</b> Υ31                 | 10°55           | 26° 3           | 15°11          | 3° 2                   | 24°19          | 22°32            | 24° 5          | 13°23          | 25°31           | 25°21           | 14°12           | 23°52  | T 19         |
| W20          | 7 54 28            | 29°11'08             | 17°27                        | 12°23           | 25°59           | 15°53          | 3°16                   | 24°23          | 22°34            | 24° 3          | 13°21          | 25°31           | 25°18           | 14°19           | 23°53  | W20          |
| T 21         | 7 58 24            | 0≈12'12              | 0 <b>8</b> 58                | 13°53           | 25°53           | 16°34          | 3°31                   | 24°28          | 22°37            | 24° 2          | 13°20          | 25°D31          | 25°15           | 14°26           | 23°54  | T 21         |
| F 22<br>S 23 | 8 2 21<br>8 6 17   | 1°13'15<br>2°14'17   | 14° 6<br>26°54               | 15°22<br>16°53  | 25°44<br>25°32  | 17°16<br>17°58 | 3°45<br>3°59           | 24°32<br>24°36 | 22°39<br>22°42   | 24° 0<br>23°59 | 13°19<br>13°18 | 25°31<br>25°32  | 25°11<br>25° 8  | 14°32<br>14°39  | 23°55<br>23°56   | F 22<br>S 23 |
|              |                    |                      |                              |                 |                 |                |                        |                |                  |                |                |                 |                 |                 |  |              |
| S 24<br>M25  | 8 10 14<br>8 14 10 | 3°15'18<br>4°16'18   | 9 <b>∏</b> 24<br>21°40       | 18°24<br>19°56  | 25°18<br>25° 2  | 18°40<br>19°22 | 4°13<br>4°27           | 24°40<br>24°44 | 22°44<br>22°47   | 23°57<br>23°56 | 13°17<br>13°15 | 25°32<br>25°33  | 25° 5<br>25° 2  | 14°46<br>14°52  | 23°57<br>23°58   | S 24<br>M25  |
| T 26         | 8 14 10            | 5°17'18              | 3 <b>9</b> 46                | 21°28           | 23°2<br>24°43   | 20° 4          | 4°42                   | 24°48          | 22°49            | 23°54          | 13°14          | 25°34           | 23° 2<br>24° 59 | 14°59           | 23°59  | T 26         |
| W27          | 8 22 3             | 6°18'16              | 15°44                        | 23° 1           | 24°21           | 20°46          | 4°56                   | 24°51          | 22°52            | 23°53          | 13°13          | 25°35           | 24°56           | 15° 6           | 24° 0  | W27          |
| T 28         | 8 26 0             | 7°19'13              | 27°36                        | 24°35           | 23°57           | 21°28          | 5°10                   | 24°55          | 22°54            | 23°51          | 13°12          | 25°R35          | 24°52           | 15°12           | 24° 2  | T 28         |
| F 29         | 8 29 57            | 8°20'09              | 9 <b>Ω</b> 25                | 26° 9           | 23°32           | 22°10          | 5°24                   | 24°59          | 22°57            | 23°49          | 13°11          | 25°35           | 24°49           | 15°19           | 24° 3  | F 29         |
| S 30         | 8 33 53            | 9°21'04              | 21°14                        | 27°44           | 23° 4           | 22°52          | 5°38                   | 25° 2          | 23° 0            | 23°48          | 13°10          | 25°33           | 24°46           | 15°26           | 24° 4  | S 30         |
| S 31         | 8 37 50            | 10≈21'59             | 3 Mg 3                       | 29 <b>궁</b> 20  | 22≈34           | 23 <b>×</b> 34 | 5≈53                   | 25M 6          | 23 <b>¥</b> 2    | 23 <b>N</b> 46 | 1399 9         | 25931           | 249643          | 15 <b>Ω</b> 32  | 24 <b>Y</b> 6  | S 31         |

Delta T = 24.02 sec

FEBRUARY 1926 00:00 UT

| Day  | Sid.t    | 0                 | D               | ğ              | φ      | ď              | 4              | ħ     | )f(             | 卉              | В      | 'n     | v      | Ç              | ę,            | Day  |
|------|----------|-------------------|-----------------|----------------|--------|----------------|----------------|-------|-----------------|----------------|--------|--------|--------|----------------|---------------|------|
| M 1  | 8 41 46  | 11≈22'52          | 14 <b>M</b> 56  | 0≈56           | 22°R 3 | 24 <b>×</b> 16 | 6≈ 7           | 25M 9 | 23 <b>)</b> 5   | 23°R45         | 13°R 8 | 25°R29 | 249540 | 15 <b>Ω</b> 39 | 24 <b>°</b> 7 | M 1  |
| T 2  | 8 45 43  | 12°23'44          | 26°54           | 2°33           | 21≈30  | 24°58          | 6°21           | 25°12 | 23° 8           | 23₽43          | 1395 6 | 259526 | 24°36  | 15°46          | 24° 9         | T 2  |
| W 3  | 8 49 39  | 13°24'36          | 9 <b>亞</b> 1    | 4°11           | 20°55  | 25°40          | 6°35           | 25°15 | 23°11           | 23°41          | 13° 5  | 25°24  | 24°33  | 15°52          | 24°11         | W 3  |
| T 4  | 8 53 36  | 14°25'26          | 21°19           | 5°49           | 20°20  | 26°22          | 6°49           | 25°18 | 23°13           | 23°40          | 13° 4  | 25°21  | 24°30  | 15°59          | 24°12         | T 4  |
| F 5  | 8 57 32  | 15°26'16          | 3 <b>M</b> 53   | 7°29           | 19°44  | 27° 5          | 7° 3           | 25°21 | 23°16           | 23°38          | 13° 3  | 25°20  | 24°27  | 16° 6          | 24°14         | F 5  |
| S 6  | 9 1 29   | 16°27'04          | 16°45           | 9° 9           | 19° 7  | 27°47          | 7°17           | 25°24 | 23°19           | 23°36          | 13° 2  | 25°D19 | 24°24  | 16°12          | 24°16         | S 6  |
| S 7  | 9 5 26   | 17°27'52          | 29°59           | 10°49          | 18°30  | 28°29          | 7°32           | 25°27 | 23°22           | 23°35          | 13° 1  | 25°20  | 24°21  | 16°19          | 24°17         | S 7  |
| M 8  | 9 9 22   | 18°28'39          | 13 <b>×</b> 38  | 12°31          | 17°52  | 29°11          | 7°46           | 25°30 | 23°25           | 23°33          | 13° 0  | 25°21  | 24°17  | 16°26          | 24°19         | M 8  |
| T 9  | 9 13 19  | 19°29'25          | 27°43           | 14°13          | 17°15  | 29°54          | 8° 0           | 25°32 | 23°28           | 23°31          | 12°59  | 25°23  | 24°14  | 16°32          | 24°21         | T 9  |
| W10  | 9 17 15  | 20°30'10          | 12 <b>る</b> 14  | 15°56          | 16°39  | 0 <b>궁</b> 36  | 8°14           | 25°35 | 23°31           | 23°30          | 12°58  | 25°24  | 24°11  | 16°39          | 24°23         | W10  |
| T 11 | 9 21 12  | 21°30'54          | 27° 6           | 17°40          | 16° 3  | 1°18           | 8°28           | 25°37 | 23°34           | 23°28          | 12°57  | 25°R24 | 24° 8  | 16°46          | 24°25         | T 11 |
| F 12 | 9 25 8   | 22°31'37          | 12≈14           | 19°25          | 15°28  | 2° 1           | 8°42           | 25°40 | 23°37           | 23°26          | 12°56  | 25°24  | 24° 5  | 16°52          | 24°27         | F 12 |
| S 13 | 9 29 5   | 23°32'18          | 27°30           | 21°11          | 14°54  | 2°43           | 8°56           | 25°42 | 23°40           | 23°25          | 12°55  | 25°21  | 24° 2  | 16°59          | 24°29         | S 13 |
| S 14 | 9 33 1   | 24°32'58          | 12 <b>){</b> 41 | 22°57          | 14°21  | 3°26           | 9°10           | 25°44 | 23°43           | 23°23          | 12°55  | 25°18  | 23°58  | 17° 6          | 24°31         | S 14 |
| M15  | 9 36 58  | 25°33'36          | 27°40           | 24°45          | 13°50  | 4° 8           | 9°24           | 25°46 | 23°46           | 23°21          | 12°54  | 25°13  | 23°55  | 17°12          | 24°34         | M15  |
| T 16 | 9 40 55  | 26°34'12          | 12 <b>Y</b> 17  | 26°33          | 13°20  | 4°51           | 9°38           | 25°48 | 23°49           | 23°19          | 12°53  | 25° 9  | 23°52  | 17°19          | 24°36         | T 16 |
| W17  | 9 44 51  | 27°34'47          | 26°27           | 28°22          | 12°53  | 5°33           | 9°52           | 25°50 | 23°53           | 23°18          | 12°52  | 25° 4  | 23°49  | 17°25          | 24°38         | W17  |
| T 18 | 9 48 48  | 28°35'20          | 108 8           | 0 <b>)</b> €11 | 12°27  | 6°16           | 10° 5          | 25°51 | 23°56           | 23°16          | 12°51  | 25° 2  | 23°46  | 17°32          | 24°40         | T 18 |
| F 19 | 9 52 44  | 29°35'51          | 23°22           | 2° 2           | 12° 4  | 6°58           | 10°19          | 25°53 | 23°59           | 23°14          | 12°50  | 25° 0  | 23°42  | 17°39          | 24°43         | F 19 |
| S 20 | 9 56 41  | 0 <b>∺</b> 36'21  | 6 <b>II</b> 9   | 3°53           | 11°43  | 7°41           | 10°33          | 25°54 | 24° 2           | 23°13          | 12°50  | 25°D 0 | 23°39  | 17°45          | 24°45         | S 20 |
| S 21 | 10 037   | 1°36'48           | 18°36           | 5°45           | 11°24  | 8°23           | 10°47          | 25°56 | 24° 5           | 23°11          | 12°49  | 25° 1  | 23°36  | 17°52          | 24°48         | S 21 |
| M22  | 10 4 34  | 2°37'14           | 09୍ଦେ46         | 7°37           | 11° 7  | 9° 6           | 11° 1          | 25°57 | 24° 9           | 23° 9          | 12°48  | 25° 3  | 23°33  | 17°59          | 24°50         | M22  |
| T 23 | 10 8 30  | 3°37'38           | 12°45           | 9°30           | 10°53  | 9°49           | 11°14          | 25°58 | 24°12           | 23° 8          | 12°47  | 25° 4  | 23°30  | 18° 5          | 24°53         | T 23 |
| W24  | 10 12 27 | 4°37'59           | 24°36           | 11°24          | 10°42  | 10°31          | 11°28          | 25°59 | 24°15           | 23° 6          | 12°47  | 25°R 5 | 23°27  | 18°12          | 24°55         | W24  |
| T 25 | 10 16 24 | 5°38'19           | $6\Omega 23$    | 13°17          | 10°33  | 11°14          | 11°42          | 26° 0 | 24°18           | 23° 5          | 12°46  | 25° 4  | 23°23  | 18°19          | 24°58         | T 25 |
| F 26 | 10 20 20 | 6°38'38           | 18°11           | 15°10          | 10°26  | 11°57          | 11°55          | 26° 1 | 24°22           | 23° 3          | 12°45  | 25° 2  | 23°20  | 18°25          | 25° 1         | F 26 |
| S 27 | 10 24 17 | 7°38'54           | 0 Mg 0          | 17° 4          | 10°22  | 12°39          | 12° 9          | 26° 2 | 24°25           | 23° 1          | 12°44  | 24°57  | 23°17  | 18°32          | 25° 3         | S 27 |
| S 28 | 10 28 13 | 8 <b>)</b> €39'08 | 11 <b>m</b> 55  | 18 <b>¥</b> 57 | 10°D20 | 13る22          | 12 <b>≈</b> 22 | 26M 3 | 24 <b>)</b> €28 | 23\$\Omega\$ 0 | 125544 | 24950  | 239514 | 18 <b>Ω</b> 39 | 25 <b>Y</b> 6 | S 28 |

Delta T = 24.04 sec

MARCH 1926 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ               | ·     | ď             | 4     | ħ              | )f(              | 卉              | Р      | v      | Ω      | Ç              | ę,             | Day  |
|------|----------|------------------|----------------|-----------------|-------|---------------|-------|----------------|------------------|----------------|--------|--------|--------|----------------|----------------|------|
| M 1  | 10 32 10 | 9 <b>)</b> 39'21 | 23 <b>m</b> 55 | 20 <b>)</b> (49 | 10≈21 | 14 <b>る</b> 5 | 12≈36 | 26M 3          | 24 <b>) (</b> 32 | 22°R58         | 12°R43 | 24°R42 | 239911 | 18 <b>Ω</b> 45 | 25 <b>Y</b> 9  | M 1  |
| T 2  | 10 36 6  | 10°39'32         | 6₾ 4           | 22°40           | 10°24 | 14°48         | 12°49 | 26° 4          | 24°35            | 22 <b>N</b> 56 | 129543 | 24933  | 23° 8  | 18°52          | 25°11          | T 2  |
| W 3  | 10 40 3  | 11°39'41         | 18°21          | 24°30           | 10°29 | 15°31         | 13° 2 | 26° 4          | 24°38            | 22°55          | 12°42  | 24°24  | 23° 4  | 18°59          | 25°14          | W 3  |
| T 4  | 10 43 59 | 12°39'49         | 0 <b>M</b> .48 | 26°18           | 10°37 | 16°14         | 13°16 | 26° 4          | 24°42            | 22°53          | 12°41  | 24°16  | 23° 1  | 19° 5          | 25°17          | T 4  |
| F 5  | 10 47 56 | 13°39'55         | 13°28          | 28° 4           | 10°47 | 16°56         | 13°29 | 26° 5          | 24°45            | 22°52          | 12°41  | 24°10  | 22°58  | 19°12          | 25°20          | F 5  |
| S 6  | 10 51 52 | 14°40'00         | 26°22          | 29°48           | 10°59 | 17°39         | 13°42 | 26°R 5         | 24°48            | 22°50          | 12°40  | 24° 6  | 22°55  | 19°19          | 25°23          | S 6  |
| S 7  | 10 55 49 | 15°40'03         | 9 <b>∡</b> 33  | 1 <b>Y</b> 28   | 11°14 | 18°22         | 13°55 | 26° 5          | 24°52            | 22°49          | 12°40  | 24° 4  | 22°52  | 19°25          | 25°26          | S 7  |
| M 8  | 10 59 46 | 16°40'04         | 23° 3          | 3° 4            | 11°30 | 19° 5         | 14° 8 | 26° 4          | 24°55            | 22°47          | 12°39  | 24°D 4 | 22°48  | 19°32          | 25°29          | M 8  |
| T 9  | 11 3 42  | 17°40'04         | 6 <b>ප</b> 55  | 4°36            | 11°48 | 19°48         | 14°21 | 26° 4          | 24°59            | 22°46          | 12°39  | 24° 5  | 22°45  | 19°39          | 25°32          | T 9  |
| W10  | 11 7 39  | 18°40'02         | 21° 8          | 6° 4            | 12° 9 | 20°31         | 14°34 | 26° 4          | 25° 2            | 22°44          | 12°39  | 24°R 6 | 22°42  | 19°45          | 25°35          | W10  |
| T 11 | 11 11 35 | 19°39'59         | 5≈43           | 7°26            | 12°31 | 21°14         | 14°47 | 26° 3          | 25° 6            | 22°43          | 12°38  | 24° 6  | 22°39  | 19°52          | 25°38          | T 11 |
| F 12 | 11 15 32 | 20°39'54         | 20°34          | 8°42            | 12°55 | 21°57         | 15° 0 | 26° 3          | 25° 9            | 22°41          | 12°38  | 24° 3  | 22°36  | 19°59          | 25°41          | F 12 |
| S 13 | 11 19 28 | 21°39'47         | 5 <b>₩</b> 37  | 9°52            | 13°20 | 22°40         | 15°13 | 26° 2          | 25°12            | 22°40          | 12°38  | 23°58  | 22°33  | 20° 5          | 25°44          | S 13 |
| S 14 | 11 23 25 | 22°39'38         | 20°43          | 10°56           | 13°48 | 23°23         | 15°26 | 26° 2          | 25°16            | 22°38          | 12°37  | 23°50  | 22°29  | 20°12          | 25°47          | S 14 |
| M15  | 11 27 21 | 23°39'27         | 5 <b>Ƴ</b> 40  | 11°52           | 14°17 | 24° 6         | 15°39 | 26° 1          | 25°19            | 22°37          | 12°37  | 23°41  | 22°26  | 20°19          | 25°51          | M15  |
| T 16 | 11 31 18 | 24°39'14         | 20°22          | 12°41           | 14°47 | 24°50         | 15°51 | 26° 0          | 25°23            | 22°36          | 12°37  | 23°31  | 22°23  | 20°25          | 25°54          | T 16 |
| W17  | 11 35 15 | 25°38'59         | 4 <b>8</b> 39  | 13°22           | 15°19 | 25°33         | 16° 4 | 25°59          | 25°26            | 22°34          | 12°36  | 23°22  | 22°20  | 20°32          | 25°57          | W17  |
| T 18 | 11 39 11 | 26°38'42         | 18°28          | 13°55           | 15°52 | 26°16         | 16°16 | 25°58          | 25°30            | 22°33          | 12°36  | 23°15  | 22°17  | 20°39          | 26° 0          | T 18 |
| F 19 | 11 43 8  | 27°38'22         | 1 <b>Ⅱ</b> 49  | 14°19           | 16°27 | 26°59         | 16°29 | 25°56          | 25°33            | 22°32          | 12°36  | 23° 9  | 22°13  | 20°45          | 26° 4          | F 19 |
| S 20 | 11 47 4  | 28°38'01         | 14°42          | 14°36           | 17° 3 | 27°42         | 16°41 | 25°55          | 25°36            | 22°30          | 12°36  | 23° 6  | 22°10  | 20°52          | 26° 7          | S 20 |
| S 21 | 11 51 1  | 29°37'37         | 27°11          | 14°44           | 17°40 | 28°25         | 16°53 | 25°54          | 25°40            | 22°29          | 12°36  | 23°D 5 | 22° 7  | 20°59          | 26°10          | S 21 |
| M22  | 11 54 57 | 0 <b>Ƴ</b> 37'11 | 9922           | 14°R45          | 18°18 | 29° 8         | 17° 6 | 25°52          | 25°43            | 22°28          | 12°35  | 23° 5  | 22° 4  | 21° 5          | 26°14          | M22  |
| T 23 | 11 58 54 | 1°36'42          | 21°19          | 14°37           | 18°58 | 29°52         | 17°18 | 25°50          | 25°47            | 22°26          | 12°35  | 23°R 6 | 22° 1  | 21°12          | 26°17          | T 23 |
| W24  | 12 2 50  | 2°36'11          | 3 <b>N</b> 9   | 14°22           | 19°39 | 0≈35          | 17°30 | 25°49          | 25°50            | 22°25          | 12°35  | 23° 5  | 21°58  | 21°19          | 26°20          | W24  |
| T 25 | 12 6 47  | 3°35'38          | 14°56          | 14° 0           | 20°20 | 1°18          | 17°42 | 25°47          | 25°53            | 22°24          | 12°35  | 23° 3  | 21°54  | 21°25          | 26°24          | T 25 |
| F 26 | 12 10 44 | 4°35'03          | 26°44          | 13°31           | 21° 3 | 2° 1          | 17°54 | 25°45          | 25°57            | 22°23          | 12°35  | 22°58  | 21°51  | 21°32          | 26°27          | F 26 |
| S 27 | 12 14 40 | 5°34'25          | 8 <b>m</b> /38 | 12°57           | 21°47 | 2°45          | 18° 5 | 25°43          | 26° 0            | 22°22          | 12°D35 | 22°51  | 21°48  | 21°39          | 26°31          | S 27 |
| S 28 | 12 18 37 | 6°33'45          | 20°39          | 12°18           | 22°32 | 3°28          | 18°17 | 25°41          | 26° 4            | 22°21          | 12°35  | 22°40  | 21°45  | 21°45          | 26°34          | S 28 |
| M29  | 12 22 33 | 7°33'04          | 2 <b>≏</b> 50  | 11°34           | 23°17 | 4°11          | 18°29 | 25°39          | 26° 7            | 22°20          | 12°35  | 22°28  | 21°42  | 21°52          | 26°38          | M29  |
| T 30 | 12 26 30 | 8°32'19          | 15°12          | 10°48           | 24° 4 | 4°54          | 18°40 | 25°36          | 26°10            | 22°18          | 12°35  | 22°15  | 21°39  | 21°59          | 26°41          | T 30 |
| W31  | 12 30 26 | 9 <b>Υ</b> 31'33 | 27 <b>≏</b> 45 | 9 <b>Ƴ</b> 59   | 24≈51 | 5≈38          | 18≈52 | 25 <b>M</b> 34 | 26 <b>)</b> 14   | 22 <b>Ω</b> 17 | 12935  | 2295 2 | 219935 | 22 <b>N</b> 5  | 26 <b>Y</b> 45 | W31  |

Delta T = 24.05 sec

APRIL 1926 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ             | φ               | ď     | 4             | ħ      | )∤(              | ¥              | В      | N.     | v      | Ç              | ę,             | Day  |
|------|----------|-------------------|----------------|---------------|-----------------|-------|---------------|--------|------------------|----------------|--------|--------|--------|----------------|----------------|------|
| T 1  | 12 34 23 | 10 <b>Υ</b> 30'46 | 10 <b>M</b> 29 | 9°R 9         | 25≈39           | 6≈21  | 19 <b>≈</b> 3 | 25°R32 | 26 <b>)(</b> 17  | 22°R16         | 12935  | 21°R50 | 21932  | 22 <b>Ω</b> 12 | 26 <b>Y</b> 48 | T 1  |
| F 2  | 12 38 19 | 11°29'56          | 23°24          | 8 <b>Υ</b> 19 | 26°28           | 7° 4  | 19°14         | 25M29  | 26°20            | 22 <b>Ω</b> 15 | 12°35  | 219540 | 21°29  | 22°19          | 26°52          | F 2  |
| S 3  | 12 42 16 | 12°29'04          | 6 <b>₮</b> 31  | 7°30          | 27°18           | 7°48  | 19°26         | 25°27  | 26°24            | 22°14          | 12°36  | 21°33  | 21°26  | 22°25          | 26°55          | S 3  |
| S 4  | 12 46 12 | 13°28'11          | 19°50          | 6°43          | 28° 8           | 8°31  | 19°37         | 25°24  | 26°27            | 22°14          | 12°36  | 21°29  | 21°23  | 22°32          | 26°59          | S 4  |
| M 5  | 12 50 9  | 14°27'16          | 3 <b>る</b> 22  | 5°58          | 29° 0           | 9°14  | 19°48         | 25°21  | 26°30            | 22°13          | 12°36  | 21°28  | 21°19  | 22°39          | 27° 3          | M 5  |
| T 6  | 12 54 6  | 15°26'19          | 17° 9          | 5°17          | 29°51           | 9°58  | 19°59         | 25°18  | 26°34            | 22°12          | 12°36  | 21°27  | 21°16  | 22°45          | 27° 6          | T 6  |
| W 7  | 12 58 2  | 16°25'20          | 1≈10           | 4°39          | 0 <b>) (</b> 44 | 10°41 | 20°10         | 25°15  | 26°37            | 22°11          | 12°36  | 21°27  | 21°13  | 22°52          | 27°10          | W 7  |
| T 8  | 13 1 59  | 17°24'20          | 15°27          | 4° 6          | 1°37            | 11°25 | 20°20         | 25°12  | 26°40            | 22°10          | 12°37  | 21°26  | 21°10  | 22°59          | 27°13          | T 8  |
| F 9  | 13 5 55  | 18°23'18          | 29°58          | 3°37          | 2°31            | 12° 8 | 20°31         | 25° 9  | 26°44            | 22° 9          | 12°37  | 21°22  | 21° 7  | 23° 5          | 27°17          | F 9  |
| S 10 | 13 9 52  | 19°22'14          | 14 <b>米</b> 38 | 3°14          | 3°25            | 12°51 | 20°41         | 25° 6  | 26°47            | 22° 9          | 12°37  | 21°16  | 21° 4  | 23°12          | 27°21          | S 10 |
| S 11 | 13 13 48 | 20°21'08          | 29°22          | 2°56          | 4°20            | 13°35 | 20°52         | 25° 3  | 26°50            | 22° 8          | 12°38  | 21° 7  | 21° 0  | 23°19          | 27°24          | S 11 |
| M12  | 13 17 45 | 21°20'00          | 14 <b>Y</b> 2  | 2°43          | 5°15            | 14°18 | 21° 2         | 25° 0  | 26°53            | 22° 7          | 12°38  | 20°56  | 20°57  | 23°25          | 27°28          | M12  |
| T 13 | 13 21 41 | 22°18'50          | 28°30          | 2°36          | 6°11            | 15° 2 | 21°12         | 24°56  | 26°56            | 22° 6          | 12°38  | 20°44  | 20°54  | 23°32          | 27°32          | T 13 |
| W14  | 13 25 38 | 23°17'39          | 12840          | 2°D34         | 7° 7            | 15°45 | 21°22         | 24°53  | 27° 0            | 22° 6          | 12°39  | 20°32  | 20°51  | 23°39          | 27°35          | W14  |
| T 15 | 13 29 35 | 24°16'25          | 26°26          | 2°37          | 8° 4            | 16°29 | 21°32         | 24°49  | 27° 3            | 22° 5          | 12°39  | 20°22  | 20°48  | 23°45          | 27°39          | T 15 |
| F 16 | 13 33 31 | 25°15'09          | 9∏46           | 2°45          | 9° 1            | 17°12 | 21°42         | 24°46  | 27° 6            | 22° 5          | 12°40  | 20°15  | 20°44  | 23°52          | 27°43          | F 16 |
| S 17 | 13 37 28 | 26°13'51          | 22°42          | 2°58          | 9°59            | 17°55 | 21°52         | 24°42  | 27° 9            | 22° 4          | 12°40  | 20°10  | 20°41  | 23°59          | 27°46          | S 17 |
| S 18 | 13 41 24 | 27°12'31          | 59914          | 3°16          | 10°57           | 18°39 | 22° 2         | 24°38  | 27°12            | 22° 3          | 12°41  | 20° 8  | 20°38  | 24° 5          | 27°50          | S 18 |
| M19  | 13 45 21 | 28°11'09          | 17°27          | 3°39          | 11°55           | 19°22 | 22°11         | 24°35  | 27°15            | 22° 3          | 12°41  | 20°D 7 | 20°35  | 24°12          | 27°53          | M19  |
| T 20 | 13 49 17 | 29° 9'44          | 29°27          | 4° 6          | 12°54           | 20° 6 | 22°21         | 24°31  | 27°18            | 22° 3          | 12°42  | 20°R 7 | 20°32  | 24°19          | 27°57          | T 20 |
| W21  | 13 53 14 | 0 <b>8</b> 8'17   | 11 <b>Ω</b> 18 | 4°37          | 13°53           | 20°49 | 22°30         | 24°27  | 27°21            | 22° 2          | 12°42  | 20° 7  | 20°29  | 24°25          | 28° 1          | W21  |
| T 22 | 13 57 10 | 1° 6'49           | 23° 7          | 5°13          | 14°53           | 21°32 | 22°39         | 24°23  | 27°24            | 22° 2          | 12°43  | 20° 5  | 20°25  | 24°32          | 28° 4          | T 22 |
| F 23 | 14 1 7   | 2° 5'17           | 4 Mp 57        | 5°52          | 15°53           | 22°16 | 22°48         | 24°19  | 27°27            | 22° 1          | 12°44  | 20° 1  | 20°22  | 24°39          | 28° 8          | F 23 |
| S 24 | 14 5 4   | 3° 3'44           | 16°55          | 6°35          | 16°53           | 22°59 | 22°57         | 24°15  | 27°30            | 22° 1          | 12°44  | 19°54  | 20°19  | 24°45          | 28°12          | S 24 |
| S 25 | 14 9 0   | 4° 2'09           | 29° 3          | 7°22          | 17°54           | 23°42 | 23° 6         | 24°11  | 27°33            | 22° 1          | 12°45  | 19°45  | 20°16  | 24°52          | 28°15          | S 25 |
| M26  | 14 12 57 | 5° 0'31           | 11 <b>≏</b> 24 | 8°12          | 18°55           | 24°26 | 23°14         | 24° 7  | 27°36            | 22° 0          | 12°46  | 19°34  | 20°13  | 24°59          | 28°19          | M26  |
| T 27 | 14 16 53 | 5°58'52           | 23°59          | 9° 5          | 19°56           | 25° 9 | 23°23         | 24° 3  | 27°39            | 22° 0          | 12°46  | 19°21  | 20°10  | 25° 5          | 28°23          | T 27 |
| W28  | 14 20 50 | 6°57'11           | 6 <b>M</b> .49 | 10° 1         | 20°57           | 25°53 | 23°31         | 23°59  | 27°42            | 22° 0          | 12°47  | 19° 9  | 20° 6  | 25°12          | 28°26          | W28  |
| T 29 | 14 24 46 | 7°55'28           | 19°53          | 11° 1         | 21°59           | 26°36 | 23°40         | 23°54  | 27°44            | 22° 0          | 12°48  | 18°58  | 20° 3  | 25°19          | 28°30          | T 29 |
| F 30 | 14 28 43 | 8 <b>8</b> 53'43  | 3 <b>∡</b> 10  | 12 <b>°</b> 3 | 23 <b>米</b> 1   | 27≈19 | 23≈48         | 23M50  | 27 <b>) (</b> 47 | 22 <b>N</b> 0  | 129548 | 189549 | 2099 0 | 25 <b>Ω</b> 25 | 28 <b>Y</b> 34 | F 30 |

Delta T = 24.07 sec

MAY 1926 00:00 UT

| Day  | Sid.t    | 0                | D              | φ             | φ              | ð              | 4     | ħ              | )ф(            | 并              | В      | N.     | v      | Ç              | ę,             | Day  |
|------|----------|------------------|----------------|---------------|----------------|----------------|-------|----------------|----------------|----------------|--------|--------|--------|----------------|----------------|------|
| S 1  | 14 32 39 | 9 <b>8</b> 51'57 | 16 <b>₹</b> 38 | 13 <b>Y</b> 8 | 24 <b>)</b> 4  | 28 <b>≈</b> 3  | 23≈56 | 23°R46         | 27 <b>米</b> 50 | 22°R 0         | 125649 | 18°R42 | 19957  | 25 <b>Ω</b> 32 | 28 <b>Y</b> 37 | S 1  |
| S 2  | 14 36 36 | 10°50'09         | 0 <b>ට</b> 16  | 14°16         | 25° 6          | 28°46          | 24° 4 | 23M42          | 27°53          | 22 <b>N</b> 0  | 12°50  | 18939  | 19°54  | 25°39          | 28°41          | S 2  |
| M 3  | 14 40 33 | 11°48'20         | 14° 2          | 15°26         | 26° 9          | 29°29          | 24°11 | 23°37          | 27°55          | 22° 0          | 12°51  | 18°D37 | 19°50  | 25°45          | 28°44          | M 3  |
| T 4  | 14 44 29 | 12°46'29         | 27°57          | 16°39         | 27°12          | 0 <b>∺</b> 13  | 24°19 | 23°33          | 27°58          | 22°D 0         | 12°52  | 18°37  | 19°47  | 25°52          | 28°48          | T 4  |
| W 5  | 14 48 26 | 13°44'37         | 11≈59          | 17°54         | 28°16          | 0°56           | 24°26 | 23°29          | 28° 1          | 22° 0          | 12°53  | 18°R38 | 19°44  | 25°59          | 28°52          | W 5  |
| T 6  | 14 52 22 | 14°42'43         | 26° 8          | 19°11         | 29°20          | 1°39           | 24°34 | 23°24          | 28° 3          | 22° 0          | 12°53  | 18°37  | 19°41  | 26° 5          | 28°55          | T 6  |
| F 7  | 14 56 19 | 15°40'48         | 10 <b>∺</b> 23 | 20°31         | 0 <b>Υ</b> 23  | 2°22           | 24°41 | 23°20          | 28° 6          | 22° 0          | 12°54  | 18°35  | 19°38  | 26°12          | 28°59          | F 7  |
| S 8  | 15 0 15  | 16°38'52         | 24°41          | 21°54         | 1°27           | 3° 6           | 24°48 | 23°15          | 28° 8          | 22° 0          | 12°55  | 18°30  | 19°35  | 26°19          | 29° 2          | S 8  |
| S 9  | 15 4 12  | 17°36'54         | 8 <b>Υ</b> 59  | 23°18         | 2°32           | 3°49           | 24°55 | 23°11          | 28°11          | 22° 0          | 12°56  | 18°23  | 19°31  | 26°25          | 29° 6          | S 9  |
| M10  | 15 8 8   | 18°34'55         | 23°12          | 24°45         | 3°36           | 4°32           | 25° 1 | 23° 6          | 28°13          | 22° 0          | 12°57  | 18°14  | 19°28  | 26°32          | 29° 9          | M10  |
| T 11 | 15 12 5  | 19°32'54         | 7 <b>8</b> 16  | 26°13         | 4°41           | 5°15           | 25° 8 | 23° 2          | 28°16          | 22° 0          | 12°58  | 18° 5  | 19°25  | 26°39          | 29°13          | T 11 |
| W12  | 15 16 2  | 20°30'52         | 21° 5          | 27°44         | 5°46           | 5°58           | 25°14 | 22°57          | 28°18          | 22° 1          | 12°59  | 17°56  | 19°22  | 26°45          | 29°16          | W12  |
| T 13 | 15 19 58 | 21°28'48         | 4 <b>II</b> 36 | 29°17         | 6°51           | 6°41           | 25°21 | 22°53          | 28°21          | 22° 1          | 13° 0  | 17°48  | 19°19  | 26°52          | 29°20          | T 13 |
| F 14 | 15 23 55 | 22°26'43         | 17°46          | 0 <b>8</b> 52 | 7°56           | 7°24           | 25°27 | 22°48          | 28°23          | 22° 1          | 13° 1  | 17°42  | 19°16  | 26°59          | 29°23          | F 14 |
| S 15 | 15 27 51 | 23°24'36         | 0935           | 2°29          | 9° 2           | 8° 7           | 25°33 | 22°44          | 28°25          | 22° 2          | 13° 2  | 17°38  | 19°12  | 27° 5          | 29°27          | S 15 |
| S 16 | 15 31 48 | 24°22'28         | 13° 5          | 4° 9          | 10° 7          | 8°50           | 25°38 | 22°39          | 28°28          | 22° 2          | 13° 3  | 17°D36 | 19° 9  | 27°12          | 29°30          | S 16 |
| M17  | 15 35 44 | 25°20'18         | 25°18          | 5°50          | 11°13          | 9°33           | 25°44 | 22°35          | 28°30          | 22° 2          | 13° 4  | 17°37  | 19° 6  | 27°19          | 29°33          | M17  |
| T 18 | 15 39 41 | 26°18'06         | 7 <b>Ω</b> 19  | 7°34          | 12°19          | 10°16          | 25°49 | 22°30          | 28°32          | 22° 3          | 13° 6  | 17°38  | 19° 3  | 27°25          | 29°37          | T 18 |
| W19  | 15 43 37 | 27°15'53         | 19°12          | 9°19          | 13°25          | 10°59          | 25°55 | 22°26          | 28°34          | 22° 3          | 13° 7  | 17°39  | 19° 0  | 27°32          | 29°40          | W19  |
| T 20 | 15 47 34 | 28°13'37         | 1 m 2          | 11° 7         | 14°31          | 11°42          | 26° 0 | 22°21          | 28°36          | 22° 4          | 13° 8  | 17°R39 | 18°56  | 27°39          | 29°43          | T 20 |
| F 21 | 15 51 31 | 29°11'21         | 12°55          | 12°57         | 15°37          | 12°25          | 26° 5 | 22°17          | 28°38          | 22° 5          | 13° 9  | 17°38  | 18°53  | 27°45          | 29°47          | F 21 |
| S 22 | 15 55 27 | 0 <b>Ⅱ</b> 9'02  | 24°55          | 14°48         | 16°44          | 13° 8          | 26° 9 | 22°13          | 28°40          | 22° 5          | 13°10  | 17°35  | 18°50  | 27°52          | 29°50          | S 22 |
| S 23 | 15 59 24 | 1° 6'42          | 7요 7           | 16°42         | 17°50          | 13°50          | 26°14 | 22° 8          | 28°42          | 22° 6          | 13°11  | 17°30  | 18°47  | 27°59          | 29°53          | S 23 |
| M24  | 16 3 20  | 2° 4'21          | 19°34          | 18°38         | 18°57          | 14°33          | 26°18 | 22° 4          | 28°44          | 22° 6          | 13°12  | 17°24  | 18°44  | 28° 5          | 29°57          | M24  |
| T 25 | 16 7 17  | 3° 1'58          | 2 <b>M</b> .19 | 20°36         | 20° 4          | 15°16          | 26°23 | 21°59          | 28°46          | 22° 7          | 13°14  | 17°16  | 18°41  | 28°12          | 29°59          | T 25 |
| W26  | 16 11 13 | 3°59'34          | 15°22          | 22°36         | 21°11          | 15°58          | 26°27 | 21°55          | 28°48          | 22° 8          | 13°15  | 17° 9  | 18°37  | 28°19          | 0 <b>8</b> 3   | W26  |
| T 27 | 16 15 10 | 4°57'08          | 28°45          | 24°38         | 22°18          | 16°41          | 26°31 | 21°51          | 28°50          | 22° 9          | 13°16  | 17° 2  | 18°34  | 28°25          | 0° 6           | T 27 |
| F 28 | 16 19 6  | 5°54'41          | 12 <b>×</b> 23 | 26°42         | 23°25          | 17°23          | 26°34 | 21°46          | 28°52          | 22° 9          | 13°17  | 16°57  | 18°31  | 28°32          | 0° 9           | F 28 |
| S 29 | 16 23 3  | 6°52'14          | 26°16          | 28°47         | 24°33          | 18° 6          | 26°38 | 21°42          | 28°54          | 22°10          | 13°19  | 16°53  | 18°28  | 28°39          | 0°12           | S 29 |
| S 30 | 16 27 0  | 7°49'45          | 10 <b>ਰ</b> 19 | 0 <b>Ⅱ</b> 54 | 25°40          | 18°48          | 26°41 | 21°38          | 28°55          | 22°11          | 13°20  | 16°D52 | 18°25  | 28°45          | 0°15           | S 30 |
| M31  | 16 30 56 | 8 <b>Ⅲ</b> 47'15 | 24る29          | 3 <b>II</b> 2 | 26 <b>Ƴ</b> 48 | 19 <b>米</b> 31 | 26≈44 | 21 <b>M</b> 34 | 28 <b>米</b> 57 | 22 <b>Ω</b> 12 | 139521 | 16952  | 189522 | 28 <b>Ω</b> 52 | 0 <b>8</b> 18  | M31  |

Delta T = 24.08 sec

JUNE 1926 00:00 UT

| Day  | Sid.t    | 0        | D              | ğ             | φ              | ♂              | 4      | ħ              | )∤(            | ¥               | В      | v      | Ω      | Ç              | Š             | Day  |
|------|----------|----------|----------------|---------------|----------------|----------------|--------|----------------|----------------|-----------------|--------|--------|--------|----------------|---------------|------|
| T 1  | 16 34 53 | 9∏44'45  | 8≈43           | 5 <b>Ⅱ</b> 12 | 27 <b>Y</b> 56 | 20 <b>米</b> 13 | 26≈47  | 21°R30         | 28 <b>米</b> 59 | 22 <b>\O</b> 13 | 139523 | 16953  | 189518 | 28 <b>Ω</b> 59 | 0821          | T 1  |
| W 2  | 16 38 49 | 10°42'14 | 22°57          | 7°22          | 29° 3          | 20°55          | 26°50  | 21 <b>M</b> 25 | 29° 0          | 22°14           | 13°24  | 16°54  | 18°15  | 29° 6          | 0°24          | W 2  |
| T 3  | 16 42 46 | 11°39'42 | 7 <b>∺</b> 10  | 9°33          | 0811           | 21°38          | 26°53  | 21°21          | 29° 2          | 22°15           | 13°25  | 16°R55 | 18°12  | 29°12          | 0°27          | T 3  |
| F 4  | 16 46 42 | 12°37'09 | 21°20          | 11°45         | 1°19           | 22°20          | 26°55  | 21°17          | 29° 3          | 22°16           | 13°27  | 16°55  | 18° 9  | 29°19          | 0°30          | F 4  |
| S 5  | 16 50 39 | 13°34'35 | 5 <b>Y</b> 25  | 13°57         | 2°28           | 23° 2          | 26°58  | 21°13          | 29° 5          | 22°17           | 13°28  | 16°53  | 18° 6  | 29°26          | 0°33          | S 5  |
| S 6  | 16 54 35 | 14°32'01 | 19°22          | 16° 9         | 3°36           | 23°44          | 27° 0  | 21° 9          | 29° 6          | 22°18           | 13°29  | 16°50  | 18° 2  | 29°32          | 0°36          | S 6  |
| M 7  | 16 58 32 | 15°29'27 | 3 <b>8</b> 10  | 18°21         | 4°44           | 24°26          | 27° 2  | 21° 5          | 29° 7          | 22°19           | 13°31  | 16°46  | 17°59  | 29°39          | 0°39          | M 7  |
| T 8  | 17 2 29  | 16°26'51 | 16°46          | 20°33         | 5°53           | 25° 8          | 27° 3  | 21° 2          | 29° 9          | 22°20           | 13°32  | 16°41  | 17°56  | 29°46          | 0°42          | T 8  |
| W 9  | 17 6 25  | 17°24'15 | 0 <b>I</b> I10 | 22°43         | 7° 1           | 25°49          | 27° 5  | 20°58          | 29°10          | 22°21           | 13°33  | 16°37  | 17°53  | 29°52          | 0°45          | W 9  |
| T 10 | 17 10 22 | 18°21'39 | 13°18          | 24°52         | 8°10           | 26°31          | 27° 6  | 20°54          | 29°11          | 22°22           | 13°35  | 16°33  | 17°50  | 29°59          | 0°47          | T 10 |
| F 11 | 17 14 18 | 19°19'01 | 26°10          | 27° 0         | 9°19           | 27°13          | 27° 7  | 20°50          | 29°12          | 22°23           | 13°36  | 16°30  | 17°47  | 0 Mp 6         | 0°50          | F 11 |
| S 12 | 17 18 15 | 20°16'23 | 8 <b>9</b> 547 | 29° 7         | 10°27          | 27°54          | 27° 8  | 20°47          | 29°14          | 22°24           | 13°38  | 16°29  | 17°43  | 0°12           | 0°53          | S 12 |
| S 13 | 17 22 11 | 21°13'44 | 21° 8          | 19512         | 11°36          | 28°36          | 27° 9  | 20°43          | 29°15          | 22°26           | 13°39  | 16°D29 | 17°40  | 0°19           | 0°55          | S 13 |
| M14  | 17 26 8  | 22°11'04 | 3 <b>Ω</b> 17  | 3°15          | 12°45          | 29°17          | 27°10  | 20°40          | 29°16          | 22°27           | 13°41  | 16°29  | 17°37  | 0°26           | 0°58          | M14  |
| T 15 | 17 30 4  | 23° 8'24 | 15°16          | 5°16          | 13°54          | 29°59          | 27°10  | 20°36          | 29°17          | 22°28           | 13°42  | 16°31  | 17°34  | 0°32           | 1° 0          | T 15 |
| W16  | 17 34 1  | 24° 5'42 | 27° 8          | 7°16          | 15° 3          | 0 <b>Υ</b> 40  | 27°R10 | 20°33          | 29°18          | 22°30           | 13°43  | 16°33  | 17°31  | 0°39           | 1° 3          | W16  |
| T 17 | 17 37 58 | 25° 3'00 | 8 <b>m</b> 58  | 9°13          | 16°13          | 1°21           | 27°10  | 20°29          | 29°18          | 22°31           | 13°45  | 16°34  | 17°28  | 0°46           | 1° 5          | T 17 |
| F 18 | 17 41 54 | 26° 0'17 | 20°51          | 11° 8         | 17°22          | 2° 2           | 27°10  | 20°26          | 29°19          | 22°32           | 13°46  | 16°R35 | 17°24  | 0°52           | 1° 8          | F 18 |
| S 19 | 17 45 51 | 26°57'33 | 2 <b>≙</b> 52  | 13° 0         | 18°31          | 2°43           | 27° 9  | 20°23          | 29°20          | 22°34           | 13°48  | 16°35  | 17°21  | 0°59           | 1°10          | S 19 |
| S 20 | 17 49 47 | 27°54'48 | 15° 4          | 14°51         | 19°41          | 3°24           | 27° 9  | 20°20          | 29°21          | 22°35           | 13°49  | 16°34  | 17°18  | 1° 6           | 1°13          | S 20 |
| M21  | 17 53 44 | 28°52'02 | 27°32          | 16°39         | 20°50          | 4° 4           | 27° 8  | 20°17          | 29°22          | 22°37           | 13°51  | 16°32  | 17°15  | 1°12           | 1°15          | M21  |
| T 22 | 17 57 40 | 29°49'16 | 10 <b>M</b> 20 | 18°25         | 22° 0          | 4°45           | 27° 7  | 20°14          | 29°22          | 22°38           | 13°52  | 16°30  | 17°12  | 1°19           | 1°17          | T 22 |
| W23  | 18 1 37  | 09546'30 | 23°31          | 20° 9         | 23° 9          | 5°26           | 27° 6  | 20°11          | 29°23          | 22°40           | 13°54  | 16°28  | 17° 8  | 1°26           | 1°19          | W23  |
| T 24 | 18 5 33  | 1°43'42  | 7 <b>.</b> ₹ 3 | 21°50         | 24°19          | 6° 6           | 27° 4  | 20° 8          | 29°23          | 22°41           | 13°55  | 16°26  | 17° 5  | 1°32           | 1°22          | T 24 |
| F 25 | 18 9 30  | 2°40'55  | 20°58          | 23°29         | 25°29          | 6°46           | 27° 3  | 20° 6          | 29°24          | 22°43           | 13°57  | 16°25  | 17° 2  | 1°39           | 1°24          | F 25 |
| S 26 | 18 13 27 | 3°38'07  | 5 <b>る</b> 12  | 25° 6         | 26°39          | 7°26           | 27° 1  | 20° 3          | 29°24          | 22°44           | 13°58  | 16°24  | 16°59  | 1°46           | 1°26          | S 26 |
| S 27 | 18 17 23 | 4°35'19  | 19°39          | 26°40         | 27°48          | 8° 7           | 26°59  | 20° 0          | 29°25          | 22°46           | 14° 0  | 16°D24 | 16°56  | 1°53           | 1°28          | S 27 |
| M28  | 18 21 20 | 5°32'30  | 4≈16           | 28°12         | 28°58          | 8°47           | 26°57  | 19°58          | 29°25          | 22°47           | 14° 1  | 16°24  | 16°53  | 1°59           | 1°30          | M28  |
| T 29 | 18 25 16 | 6°29'42  | 18°55          | 29°42         | 0 <u>П</u> 9   | 9°26           | 26°55  | 19°56          | 29°26          | 22°49           | 14° 3  | 16°25  | 16°49  | 2° 6           | 1°32          | T 29 |
| W30  | 18 29 13 | 79526'53 | 3 <b>∺</b> 30  | 1 <b>0</b> 9  | 1 <b>I</b> I19 | 10 <b>Y</b> 6  | 26≈52  | 19 <b>M</b> 53 | 29 <b>米</b> 26 | 22 <b>N</b> 51  | 1495 4 | 16925  | 169546 | 2 Mp 13        | 1 <b>8</b> 34 | W30  |

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JULY 1926 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ            | ♂              | 4      | ħ               | )Å(            | 卉              | Р      | ß      | ß      | Ç       | ę,            | Day  |
|------|----------|------------------|----------------|----------------|--------------|----------------|--------|-----------------|----------------|----------------|--------|--------|--------|---------|---------------|------|
| T 1  | 18 33 9  | 8924'05          | 17 <b>)</b> 58 | 2 <b>Ω</b> 34  | 2Д29         | 10 <b>Υ</b> 46 | 26°R50 | 19°R51          | 29 <b>米</b> 26 | 22 <b>Ω</b> 52 | 1495 6 | 169526 | 169643 | 2 Mp 19 | 1 <b>8</b> 36 | T 1  |
| F 2  | 18 37 6  | 9°21'17          | 2 <b>Υ</b> 13  | 3°56           | 3°39         | 11°25          | 26≈47  | 19 <b>M</b> .49 | 29°26          | 22°54          | 14° 7  | 16°26  | 16°40  | 2°26    | 1°38          | F 2  |
| S 3  | 18 41 2  | 10°18'29         | 16°15          | 5°16           | 4°49         | 12° 4          | 26°44  | 19°47           | 29°26          | 22°56          | 14° 9  | 16°R26 | 16°37  | 2°33    | 1°39          | S 3  |
| S 4  | 18 44 59 | 11°15'41         | 0 <b>8</b> 1   | 6°33           | 6° 0         | 12°44          | 26°40  | 19°45           | 29°26          | 22°58          | 14°11  | 16°26  | 16°34  | 2°39    | 1°41          | S 4  |
| M 5  | 18 48 56 | 12°12'53         | 13°31          | 7°48           | 7°10         | 13°23          | 26°37  | 19°43           | 29°R26         | 22°59          | 14°12  | 16°26  | 16°30  | 2°46    | 1°43          | M 5  |
| T 6  | 18 52 52 | 13°10'06         | 26°45          | 9° 0           | 8°21         | 14° 2          | 26°33  | 19°41           | 29°26          | 23° 1          | 14°14  | 16°25  | 16°27  | 2°53    | 1°44          | T 6  |
| W 7  | 18 56 49 | 14° 7'19         | 9 <b>Ⅱ</b> 45  | 10° 9          | 9°31         | 14°40          | 26°30  | 19°39           | 29°26          | 23° 3          | 14°15  | 16°25  | 16°24  | 2°59    | 1°46          | W 7  |
| T 8  | 19 0 45  | 15° 4'33         | 22°31          | 11°16          | 10°42        | 15°19          | 26°26  | 19°38           | 29°26          | 23° 5          | 14°17  | 16°25  | 16°21  | 3° 6    | 1°48          | T 8  |
| F 9  | 19 4 42  | 16° 1'46         | 599 4          | 12°20          | 11°53        | 15°57          | 26°22  | 19°36           | 29°26          | 23° 7          | 14°18  | 16°D25 | 16°18  | 3°13    | 1°49          | F 9  |
| S 10 | 19 8 38  | 16°59'00         | 17°24          | 13°20          | 13° 4        | 16°36          | 26°17  | 19°35           | 29°26          | 23° 8          | 14°20  | 16°R25 | 16°14  | 3°19    | 1°51          | S 10 |
| S 11 | 19 12 35 | 17°56'14         | 29°35          | 14°18          | 14°14        | 17°14          | 26°13  | 19°34           | 29°26          | 23°10          | 14°21  | 16°25  | 16°11  | 3°26    | 1°52          | S 11 |
| M12  | 19 16 32 | 18°53'28         | 11 <b>£</b> 36 | 15°13          | 15°25        | 17°52          | 26° 8  | 19°32           | 29°25          | 23°12          | 14°23  | 16°25  | 16° 8  | 3°33    | 1°53          | M12  |
| T 13 | 19 20 28 | 19°50'43         | 23°31          | 16° 4          | 16°36        | 18°29          | 26° 3  | 19°31           | 29°25          | 23°14          | 14°24  | 16°24  | 16° 5  | 3°40    | 1°55          | T 13 |
| W14  | 19 24 25 | 20°47'57         | 5 <b>m</b> 22  | 16°52          | 17°47        | 19° 7          | 25°59  | 19°30           | 29°25          | 23°16          | 14°26  | 16°24  | 16° 2  | 3°46    | 1°56          | W14  |
| T 15 | 19 28 21 | 21°45'11         | 17°12          | 17°37          | 18°58        | 19°44          | 25°53  | 19°29           | 29°24          | 23°18          | 14°27  | 16°23  | 15°59  | 3°53    | 1°57          | T 15 |
| F 16 | 19 32 18 | 22°42'26         | 29° 4          | 18°17          | 20° 9        | 20°21          | 25°48  | 19°28           | 29°24          | 23°20          | 14°29  | 16°22  | 15°55  | 4° 0    | 1°58          | F 16 |
| S 17 | 19 36 14 | 23°39'41         | 11 <b>♀</b> 4  | 18°54          | 21°20        | 20°58          | 25°43  | 19°27           | 29°23          | 23°22          | 14°31  | 16°22  | 15°52  | 4° 6    | 1°59          | S 17 |
| S 18 | 19 40 11 | 24°36'55         | 23°14          | 19°27          | 22°32        | 21°35          | 25°37  | 19°27           | 29°23          | 23°24          | 14°32  | 16°D22 | 15°49  | 4°13    | 2° 0          | S 18 |
| M19  | 19 44 7  | 25°34'10         | 5 <b>M</b> .40 | 19°56          | 23°43        | 22°12          | 25°32  | 19°26           | 29°22          | 23°26          | 14°34  | 16°22  | 15°46  | 4°20    | 2° 1          | M19  |
| T 20 | 19 48 4  | 26°31'26         | 18°26          | 20°21          | 24°54        | 22°48          | 25°26  | 19°26           | 29°21          | 23°28          | 14°35  | 16°22  | 15°43  | 4°26    | 2° 2          | T 20 |
| W21  | 19 52 1  | 27°28'41         | 1 <b>₹</b> 34  | 20°41          | 26° 6        | 23°24          | 25°20  | 19°25           | 29°21          | 23°30          | 14°37  | 16°23  | 15°40  | 4°33    | 2° 3          | W21  |
| T 22 | 19 55 57 | 28°25'57         | 15° 8          | 20°57          | 27°17        | 24° 0          | 25°14  | 19°25           | 29°20          | 23°32          | 14°38  | 16°24  | 15°36  | 4°40    | 2° 4          | T 22 |
| F 23 | 19 59 54 | 29°23'13         | 29° 8          | 21° 8          | 28°28        | 24°36          | 25° 7  | 19°25           | 29°19          | 23°34          | 14°40  | 16°25  | 15°33  | 4°46    | 2° 5          | F 23 |
| S 24 | 20 3 50  | 0 <b>Ω</b> 20′30 | 13 <b>る</b> 32 | 21°14          | 29°40        | 25°12          | 25° 1  | 19°D25          | 29°18          | 23°36          | 14°41  | 16°R26 | 15°30  | 4°53    | 2° 6          | S 24 |
| S 25 | 20 7 47  | 1°17'47          | 28°16          | 21°R15         | 0952         | 25°47          | 24°55  | 19°25           | 29°17          | 23°38          | 14°43  | 16°25  | 15°27  | 5° 0    | 2° 6          | S 25 |
| M26  | 20 11 43 | 2°15'05          | 13 <b>≈</b> 13 | 21°11          | 2° 3         | 26°22          | 24°48  | 19°25           | 29°16          | 23°40          | 14°44  | 16°24  | 15°24  | 5° 7    | 2° 7          | M26  |
| T 27 | 20 15 40 | 3°12'23          | 28°16          | 21° 2          | 3°15         | 26°57          | 24°41  | 19°25           | 29°15          | 23°42          | 14°46  | 16°23  | 15°20  | 5°13    | 2° 8          | T 27 |
| W28  | 20 19 36 | 4° 9'42          | 13 <b>米</b> 15 | 20°48          | 4°27         | 27°31          | 24°35  | 19°25           | 29°14          | 23°45          | 14°47  | 16°21  | 15°17  | 5°20    | 2° 8          | W28  |
| T 29 | 20 23 33 | 5° 7'03          | 28° 2          | 20°29          | 5°39         | 28° 6          | 24°28  | 19°26           | 29°13          | 23°47          | 14°48  | 16°18  | 15°14  | 5°27    | 2° 9          | T 29 |
| F 30 | 20 27 30 | 6° 4'24          | 12 <b>Y</b> 32 | 20° 5          | 6°50         | 28°40          | 24°21  | 19°26           | 29°12          | 23°49          | 14°50  | 16°17  | 15°11  | 5°33    | 2° 9          | F 30 |
| S 31 | 20 31 26 | 7 <b>Ω</b> 1'46  | 26 <b>Ƴ</b> 39 | 19 <b>N</b> 36 | 8 <b>9</b> 2 | 29 <b>Υ</b> 14 | 24≈14  | 19 <b>M</b> 27  | 29 <b>米</b> 11 | 23 <b>N</b> 51 | 14951  | 169915 | 1595 8 | 5 Mp 40 | 2 <b>8</b> 9  | S 31 |

Delta T = 24.11 sec

AUGUST 1926 00:00 UT

| Day  | Sid.t    | 0                | 9             | ğ              | <b>Q</b> +     | ঠ              | 4      | ħ              | ᡟ              | ¥              | Р     | ß      | ಭ      | Ç              | ķ             | Day  |
|------|----------|------------------|---------------|----------------|----------------|----------------|--------|----------------|----------------|----------------|-------|--------|--------|----------------|---------------|------|
| S 1  | 20 35 23 | 7 <b>Ω</b> 59'10 | 10824         | 19°R 4         | 99514          | 29 <b>Y</b> 47 | 24°R 6 | 19 <b>M</b> 28 | 29°R10         | 23 <b>£</b> 53 | 14953 | 16°D15 | 1595 5 | 5 <b>M</b> 47  | 2810          | S 1  |
| M 2  | 20 39 19 | 8°56'34          | 23°46         | 18 <b>Ω</b> 27 | 10°26          | 0820           | 23≈59  | 19°28          | 29 <b>米</b> 8  | 23°55          | 14°54 | 169516 | 15° 1  | 5°53           | 2°10          | M 2  |
| T 3  | 20 43 16 | 9°54'00          | 6∏48          | 17°47          | 11°38          | 0°53           | 23°52  | 19°29          | 29° 7          | 23°57          | 14°56 | 16°17  | 14°58  | 6° 0           | 2°10          | T 3  |
| W 4  | 20 47 12 | 10°51'27         | 19°31         | 17° 4          | 12°51          | 1°26           | 23°44  | 19°30          | 29° 6          | 24° 0          | 14°57 | 16°19  | 14°55  | 6° 7           | 2°10          | W 4  |
| T 5  | 20 51 9  | 11°48'55         | 2 <b>95</b> 0 | 16°19          | 14° 3          | 1°59           | 23°37  | 19°31          | 29° 4          | 24° 2          | 14°59 | 16°20  | 14°52  | 6°13           | 2°10          | T 5  |
| F 6  | 20 55 5  | 12°46'25         | 14°16         | 15°32          | 15°15          | 2°31           | 23°29  | 19°33          | 29° 3          | 24° 4          | 15° 0 | 16°R21 | 14°49  | 6°20           | 2°R10         | F 6  |
| S 7  | 20 59 2  | 13°43'55         | 26°23         | 14°45          | 16°27          | 3° 2           | 23°22  | 19°34          | 29° 2          | 24° 6          | 15° 1 | 16°20  | 14°46  | 6°27           | 2°10          | S 7  |
| S 8  | 21 2 59  | 14°41'27         | 8 <b>Ω</b> 23 | 13°58          | 17°40          | 3°34           | 23°14  | 19°35          | 29° 0          | 24° 8          | 15° 3 | 16°18  | 14°42  | 6°34           | 2°10          | S 8  |
| M 9  | 21 6 55  | 15°39'00         | 20°17         | 13°12          | 18°52          | 4° 5           | 23° 6  | 19°37          | 28°59          | 24°11          | 15° 4 | 16°15  | 14°39  | 6°40           | 2°10          | M 9  |
| T 10 | 21 10 52 | 16°36'33         | 2Mp 9         | 12°29          | 20° 5          | 4°36           | 22°59  | 19°38          | 28°57          | 24°13          | 15° 5 | 16°11  | 14°36  | 6°47           | 2°10          | T 10 |
| W11  | 21 14 48 | 17°34'08         | 13°59         | 11°48          | 21°17          | 5° 6           | 22°51  | 19°40          | 28°55          | 24°15          | 15° 7 | 16° 5  | 14°33  | 6°54           | 2°10          | W11  |
| T 12 | 21 18 45 | 18°31'44         | 25°49         | 11°10          | 22°30          | 5°36           | 22°43  | 19°42          | 28°54          | 24°17          | 15° 8 | 16° 0  | 14°30  | 7° 0           | 2° 9          | T 12 |
| F 13 | 21 22 41 | 19°29'21         | 7 <b>≏</b> 43 | 10°38          | 23°42          | 6° 6           | 22°35  | 19°43          | 28°52          | 24°19          | 15° 9 | 15°54  | 14°26  | 7° 7           | 2° 9          | F 13 |
| S 14 | 21 26 38 | 20°26'59         | 19°44         | 10°10          | 24°55          | 6°35           | 22°27  | 19°45          | 28°50          | 24°22          | 15°11 | 15°49  | 14°23  | 7°14           | 2° 9          | S 14 |
| S 15 | 21 30 34 | 21°24'37         | 1 <b>M</b> 54 | 9°48           | 26° 8          | 7° 4           | 22°20  | 19°47          | 28°49          | 24°24          | 15°12 | 15°46  | 14°20  | 7°20           | 2° 8          | S 15 |
| M16  | 21 34 31 | 22°22'17         | 14°17         | 9°33           | 27°20          | 7°33           | 22°12  | 19°49          | 28°47          | 24°26          | 15°13 | 15°44  | 14°17  | 7°27           | 2° 8          | M16  |
| T 17 | 21 38 28 | 23°19'58         | 26°58         | 9°24           | 28°33          | 8° 1           | 22° 4  | 19°52          | 28°45          | 24°28          | 15°15 | 15°D44 | 14°14  | 7°34           | 2° 7          | T 17 |
| W18  | 21 42 24 | 24°17'40         | 10 <b>×</b> 0 | 9°D23          | 29°46          | 8°29           | 21°56  | 19°54          | 28°43          | 24°30          | 15°16 | 15°45  | 14°11  | 7°40           | 2° 7          | W18  |
| T 19 | 21 46 21 | 25°15'23         | 23°27         | 9°29           | $0\Omega$ 59   | 8°56           | 21°48  | 19°56          | 28°41          | 24°33          | 15°17 | 15°46  | 14° 7  | 7°47           | 2° 6          | T 19 |
| F 20 | 21 50 17 | 26°13'07         | 7 <b>云</b> 22 | 9°42           | 2°12           | 9°23           | 21°40  | 19°59          | 28°39          | 24°35          | 15°18 | 15°48  | 14° 4  | 7°54           | 2° 5          | F 20 |
| S 21 | 21 54 14 | 27°10'52         | 21°44         | 10° 3          | 3°25           | 9°50           | 21°33  | 20° 1          | 28°38          | 24°37          | 15°19 | 15°R48 | 14° 1  | 8° 1           | 2° 4          | S 21 |
| S 22 | 21 58 10 | 28° 8'39         | 6≈30          | 10°32          | 4°38           | 10°16          | 21°25  | 20° 4          | 28°36          | 24°39          | 15°21 | 15°46  | 13°58  | 8° 7           | 2° 4          | S 22 |
| M23  | 22 2 7   | 29° 6'27         | 21°36         | 11°8           | 5°51           | 10°41          | 21°17  | 20° 7          | 28°34          | 24°42          | 15°22 | 15°43  | 13°55  | 8°14           | 2° 3          | M23  |
| T 24 | 22 6 3   | 0Mp 4'16         | 6 <b>¥</b> 51 | 11°52          | 7° 4           | 11° 7          | 21° 9  | 20°10          | 28°32          | 24°44          | 15°23 | 15°37  | 13°51  | 8°21           | 2° 2          | T 24 |
| W25  | 22 10 0  | 1° 2'06          | 22° 7         | 12°43          | 8°17           | 11°31          | 21° 2  | 20°13          | 28°30          | 24°46          | 15°24 | 15°31  | 13°48  | 8°27           | 2° 1          | W25  |
| T 26 | 22 13 57 | 1°59'58          | 7 <b>Υ</b> 12 | 13°41          | 9°31           | 11°56          | 20°54  | 20°16          | 28°28          | 24°48          | 15°25 | 15°24  | 13°45  | 8°34           | 2° 0          | T 26 |
| F 27 | 22 17 53 | 2°57'52          | 21°57         | 14°46          | 10°44          | 12°19          | 20°47  | 20°19          | 28°25          | 24°50          | 15°26 | 15°18  | 13°42  | 8°41           | 1°59          | F 27 |
| S 28 | 22 21 50 | 3°55'48          | 6 <b>8</b> 16 | 15°57          | 11°57          | 12°43          | 20°39  | 20°22          | 28°23          | 24°53          | 15°27 | 15°13  | 13°39  | 8°47           | 1°58          | S 28 |
| S 29 | 22 25 46 | 4°53'45          | 20° 7         | 17°14          | 13°11          | 13° 6          | 20°32  | 20°25          | 28°21          | 24°55          | 15°29 | 15°10  | 13°36  | 8°54           | 1°56          | S 29 |
| M30  | 22 29 43 | 5°51'45          | 3Ⅲ30          | 18°37          | 14°24          | 13°28          | 20°24  | 20°29          | 28°19          | 24°57          | 15°30 | 15°D 9 | 13°32  | 9° 1           | 1°55          | M30  |
| T 31 | 22 33 39 | 6 <b>m</b> 49'46 | 16耳28         | 20 <b>N</b> 5  | 15 <b>Ω</b> 38 | 13850          | 20≈17  | 20 <b>M</b> 32 | 28 <b>米</b> 17 | 24 <b>Ω</b> 59 | 15931 | 1599 9 | 13929  | 9 <b>m</b> , 8 | 1 <b>8</b> 54 | T 31 |

Delta T = 24.13 sec

SEPTEMBER 1926 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | Q              | ♂      | 4              | ħ               | )∤(            | ¥             | Р     | N.     | v      | Ç              | o<br>k        | Day  |
|------|----------|------------------|-----------------|----------------|----------------|--------|----------------|-----------------|----------------|---------------|-------|--------|--------|----------------|---------------|------|
| W 1  | 22 37 36 | 7 <b>m</b> 47'49 | 29Ⅱ 4           | 21 <b>Ω</b> 38 | 16 <b>Q</b> 51 | 14811  | 20°R10         | 20 <b>M</b> .36 | 28°R15         | 25⋒ 1         | 15932 | 159910 | 139526 | 9 <b>m</b> /14 | 1°R53         | W 1  |
| T 2  | 22 41 32 | 8°45'55          | 119523          | 23°15          | 18° 5          | 14°31  | 20≈ 3          | 20°39           | 28 <b>米</b> 12 | 25° 4         | 15°33 | 15°R11 | 13°23  | 9°21           | 1 <b>8</b> 51 | T 2  |
| F 3  | 22 45 29 | 9°44'02          | 23°30           | 24°56          | 19°18          | 14°51  | 19°56          | 20°43           | 28°10          | 25° 6         | 15°34 | 15°11  | 13°20  | 9°28           | 1°50          | F 3  |
| S 4  | 22 49 25 | 10°42'11         | 5 <b>Ω</b> 28   | 26°40          | 20°32          | 15°11  | 19°49          | 20°47           | 28° 8          | 25° 8         | 15°35 | 15° 9  | 13°17  | 9°34           | 1°48          | S 4  |
| S 5  | 22 53 22 | 11°40'21         | 17°20           | 28°27          | 21°46          | 15°30  | 19°42          | 20°51           | 28° 6          | 25°10         | 15°36 | 15° 4  | 13°13  | 9°41           | 1°47          | S 5  |
| M 6  | 22 57 19 | 12°38'34         | 29°11           | 0 <b>m</b> )16 | 22°59          | 15°48  | 19°36          | 20°55           | 28° 3          | 25°12         | 15°37 | 14°57  | 13°10  | 9°48           | 1°45          | M 6  |
| T 7  | 23 1 15  | 13°36'48         | 11 <b>m</b> p 1 | 2° 7           | 24°13          | 16° 5  | 19°29          | 20°59           | 28° 1          | 25°14         | 15°38 | 14°48  | 13° 7  | 9°54           | 1°43          | T 7  |
| W 8  | 23 5 12  | 14°35'04         | 22°52           | 3°59           | 25°27          | 16°22  | 19°23          | 21° 3           | 27°59          | 25°17         | 15°38 | 14°37  | 13° 4  | 10° 1          | 1°42          | W 8  |
| T 9  | 23 9 8   | 15°33'22         | 4 <b>≗</b> 47   | 5°52           | 26°41          | 16°38  | 19°16          | 21° 7           | 27°57          | 25°19         | 15°39 | 14°25  | 13° 1  | 10° 8          | 1°40          | T 9  |
| F 10 | 23 13 5  | 16°31'42         | 16°46           | 7°46           | 27°55          | 16°54  | 19°10          | 21°11           | 27°54          | 25°21         | 15°40 | 14°14  | 12°57  | 10°14          | 1°38          | F 10 |
| S 11 | 23 17 1  | 17°30'03         | 28°51           | 9°41           | 29° 9          | 17° 9  | 19° 4          | 21°15           | 27°52          | 25°23         | 15°41 | 14° 3  | 12°54  | 10°21          | 1°37          | S 11 |
| S 12 | 23 20 58 | 18°28'26         | 11 <b>M</b> 6   | 11°35          | 0 m 23         | 17°23  | 18°58          | 21°20           | 27°49          | 25°25         | 15°42 | 13°55  | 12°51  | 10°28          | 1°35          | S 12 |
| M13  | 23 24 54 | 19°26'50         | 23°31           | 13°30          | 1°37           | 17°37  | 18°52          | 21°24           | 27°47          | 25°27         | 15°43 | 13°50  | 12°48  | 10°35          | 1°33          | M13  |
| T 14 | 23 28 51 | 20°25'16         | 6 <b>₹</b> 11   | 15°24          | 2°51           | 17°49  | 18°47          | 21°29           | 27°45          | 25°29         | 15°43 | 13°47  | 12°45  | 10°41          | 1°31          | T 14 |
| W15  | 23 32 48 | 21°23'44         | 19° 8           | 17°18          | 4° 5           | 18° 1  | 18°41          | 21°33           | 27°42          | 25°31         | 15°44 | 13°D46 | 12°42  | 10°48          | 1°29          | W15  |
| T 16 | 23 36 44 | 22°22'13         | 2 <b>る</b> 28   | 19°11          | 5°19           | 18°13  | 18°36          | 21°38           | 27°40          | 25°33         | 15°45 | 13°46  | 12°38  | 10°55          | 1°27          | T 16 |
| F 17 | 23 40 41 | 23°20'44         | 16°12           | 21° 4          | 6°33           | 18°23  | 18°31          | 21°43           | 27°38          | 25°35         | 15°46 | 13°R46 | 12°35  | 11° 1          | 1°25          | F 17 |
| S 18 | 23 44 37 | 24°19'17         | 0≈22            | 22°55          | 7°47           | 18°33  | 18°26          | 21°48           | 27°35          | 25°37         | 15°46 | 13°45  | 12°32  | 11° 8          | 1°23          | S 18 |
| S 19 | 23 48 34 | 25°17'51         | 14°58           | 24°46          | 9° 2           | 18°42  | 18°21          | 21°53           | 27°33          | 25°39         | 15°47 | 13°42  | 12°29  | 11°15          | 1°21          | S 19 |
| M20  | 23 52 30 | 26°16'27         | 29°56           | 26°36          | 10°16          | 18°50  | 18°16          | 21°57           | 27°30          | 25°41         | 15°48 | 13°37  | 12°26  | 11°22          | 1°18          | M20  |
| T 21 | 23 56 27 | 27°15'05         | 15 <b>¥</b> 8   | 28°25          | 11°30          | 18°58  | 18°12          | 22° 3           | 27°28          | 25°43         | 15°48 | 13°28  | 12°23  | 11°28          | 1°16          | T 21 |
| W22  | 0 0 23   | 28°13'44         | 0 <b>Υ</b> 25   | 0 <b>ჲ</b> 14  | 12°45          | 19° 5  | 18° 7          | 22° 8           | 27°26          | 25°45         | 15°49 | 13°18  | 12°19  | 11°35          | 1°14          | W22  |
| T 23 | 0 4 20   | 29°12'26         | 15°36           | 2° 1           | 13°59          | 19°10  | 18° 3          | 22°13           | 27°23          | 25°47         | 15°49 | 13° 8  | 12°16  | 11°42          | 1°12          | T 23 |
| F 24 | 0 8 17   | 0 <b>ჲ</b> 11'09 | 0829            | 3°47           | 15°13          | 19°15  | 17°59          | 22°18           | 27°21          | 25°49         | 15°50 | 12°58  | 12°13  | 11°48          | 1° 9          | F 24 |
| S 25 | 0 12 13  | 1° 9'55          | 14°58           | 5°33           | 16°28          | 19°19  | 17°55          | 22°23           | 27°18          | 25°51         | 15°51 | 12°49  | 12°10  | 11°55          | 1° 7          | S 25 |
| S 26 | 0 16 10  | 2° 8'43          | 28°57           | 7°17           | 17°42          | 19°23  | 17°52          | 22°29           | 27°16          | 25°53         | 15°51 | 12°43  | 12° 7  | 12° 2          | 1° 5          | S 26 |
| M27  | 0 20 6   | 3° 7'33          | 12 <b>Ⅱ</b> 26  | 9° 1           | 18°57          | 19°25  | 17°48          | 22°34           | 27°14          | 25°55         | 15°52 | 12°40  | 12° 3  | 12° 8          | 1° 2          | M27  |
| T 28 | 0 24 3   | 4° 6'26          | 25°27           | 10°43          | 20°11          | 19°27  | 17°45          | 22°39           | 27°11          | 25°56         | 15°52 | 12°38  | 12° 0  | 12°15          | 1° 0          | T 28 |
| W29  | 0 27 59  | 5° 5'21          | 895 4           | 12°25          | 21°26          | 19°R27 | 17°42          | 22°45           | 27° 9          | 25°58         | 15°53 | 12°38  | 11°57  | 12°22          | 0°57          | W29  |
| T 30 | 0 31 56  | 6 <b>₽</b> 4'18  | 20©21           | 14 <b>º</b> 6  | 22 Mp 41       | 19827  | 17 <b>≈</b> 39 | 22 <b>M</b> 51  | 27 <b>)</b> 6  | 26 <b>Ω</b> 0 | 15953 | 12938  | 119554 | 12 <b>M</b> 29 | 0 <b>8</b> 55 | T 30 |

Delta T = 24.14 sec

OCTOBER 1926 00:00 UT

| Day  | Sid.t   | 0                 | D               | ğ              | φ              | ♂      | 4              | ħ             | )Å(           | ¥              | Р      | v              | Ω      | Ç               | ę,             | Day  |
|------|---------|-------------------|-----------------|----------------|----------------|--------|----------------|---------------|---------------|----------------|--------|----------------|--------|-----------------|----------------|------|
| F 1  | 0 35 52 | 7 <b>♀</b> 3'17   | 2 <b>Ω</b> 25   | 15 <b>≏</b> 46 | 23 m 55        | 19°R26 | 17°R36         | 22M56         | 27°R 4        | 26 <b>Ω</b> 2  | 15953  | 12°R37         | 11951  | 12 <b>m</b> /35 | 0°R52          | F 1  |
| S 2  | 0 39 49 | 8° 2'19           | 14°19           | 17°25          | 25°10          | 19824  | 17 <b>≈</b> 34 | 23° 2         | 27 <b>∺</b> 2 | 26° 4          | 15°54  | 12934          | 11°48  | 12°42           | 0 <b>8</b> 50  | S 2  |
| S 3  | 0 43 46 | 9° 1'23           | 26° 9           | 19° 3          | 26°25          | 19°21  | 17°31          | 23° 8         | 26°59         | 26° 5          | 15°54  | 12°28          | 11°44  | 12°49           | 0°47           | S 3  |
| M 4  | 0 47 42 | 10° 0'29          | 7 <b>m</b> 58   | 20°40          | 27°39          | 19°17  | 17°29          | 23°13         | 26°57         | 26° 7          | 15°54  | 12°19          | 11°41  | 12°55           | 0°45           | M 4  |
| T 5  | 0 51 39 | 10°59'37          | 19°50           | 22°17          | 28°54          | 19°12  | 17°27          | 23°19         | 26°55         | 26° 9          | 15°55  | 12° 7          | 11°38  | 13° 2           | 0°42           | T 5  |
| W 6  | 0 55 35 | 11°58'47          | 1 <b>≏</b> 46   | 23°53          | 0 <b>₽</b> 9   | 19° 7  | 17°26          | 23°25         | 26°52         | 26°10          | 15°55  | 11°53          | 11°35  | 13° 9           | 0°40           | W 6  |
| T 7  | 0 59 32 | 12°57'59          | 13°47           | 25°28          | 1°24           | 19° 0  | 17°24          | 23°31         | 26°50         | 26°12          | 15°55  | 11°39          | 11°32  | 13°15           | 0°37           | T 7  |
| F 8  | 1 3 28  | 13°57'14          | 25°56           | 27° 2          | 2°39           | 18°53  | 17°23          | 23°37         | 26°48         | 26°14          | 15°56  | 11°25          | 11°28  | 13°22           | 0°34           | F 8  |
| S 9  | 1 7 25  | 14°56'30          | 8 <b>M</b> 13   | 28°35          | 3°53           | 18°44  | 17°22          | 23°43         | 26°46         | 26°15          | 15°56  | 11°12          | 11°25  | 13°29           | 0°32           | S 9  |
| S 10 | 1 11 21 | 15°55'49          | 20°38           | 0 <b>11</b> .8 | 5° 8           | 18°35  | 17°21          | 23°49         | 26°43         | 26°17          | 15°56  | 11° 2          | 11°22  | 13°36           | 0°29           | S 10 |
| M11  | 1 15 18 | 16°55'09          | 3 <b>∡</b> 13   | 1°40           | 6°23           | 18°25  | 17°20          | 23°55         | 26°41         | 26°18          | 15°56  | 10°54          | 11°19  | 13°42           | 0°26           | M11  |
| T 12 | 1 19 14 | 17°54'31          | 16° 0           | 3°11           | 7°38           | 18°14  | 17°19          | 24° 2         | 26°39         | 26°20          | 15°56  | 10°50          | 11°16  | 13°49           | 0°23           | T 12 |
| W13  | 1 23 11 | 18°53'55          | 29° 1           | 4°41           | 8°53           | 18° 3  | 17°19          | 24° 8         | 26°37         | 26°22          | 15°56  | 10°48          | 11°13  | 13°56           | 0°21           | W13  |
| T 14 | 1 27 8  | 19°53'21          | 12 <b>る</b> 19  | 6°11           | 10° 8          | 17°50  | 17°D19         | 24°14         | 26°35         | 26°23          | 15°56  | 10°48          | 11° 9  | 14° 2           | 0°18           | T 14 |
| F 15 | 1 31 4  | 20°52'49          | 25°56           | 7°40           | 11°23          | 17°37  | 17°19          | 24°21         | 26°32         | 26°25          | 15°57  | 10°48          | 11° 6  | 14° 9           | 0°15           | F 15 |
| S 16 | 1 35 1  | 21°52'18          | 9≈55            | 9° 9           | 12°38          | 17°23  | 17°19          | 24°27         | 26°30         | 26°26          | 15°57  | 10°47          | 11° 3  | 14°16           | 0°12           | S 16 |
| S 17 | 1 38 57 | 22°51'49          | 24°14           | 10°36          | 13°53          | 17° 8  | 17°20          | 24°33         | 26°28         | 26°27          | 15°R57 | 10°44          | 11° 0  | 14°23           | 0° 9           | S 17 |
| M18  | 1 42 54 | 23°51'22          | 8 <b>) (</b> 54 | 12° 3          | 15° 8          | 16°53  | 17°20          | 24°40         | 26°26         | 26°29          | 15°57  | 10°38          | 10°57  | 14°29           | 0° 7           | M18  |
| T 19 | 1 46 50 | 24°50'56          | 23°48           | 13°29          | 16°23          | 16°37  | 17°21          | 24°46         | 26°24         | 26°30          | 15°57  | 10°30          | 10°54  | 14°36           | 0° 4           | T 19 |
| W20  | 1 50 47 | 25°50'32          | 8 <b>Ƴ</b> 49   | 14°54          | 17°38          | 16°20  | 17°22          | 24°53         | 26°22         | 26°31          | 15°57  | 10°20          | 10°50  | 14°43           | 0° 1           | W20  |
| T 21 | 1 54 43 | 26°50'10          | 23°48           | 16°19          | 18°53          | 16° 3  | 17°23          | 24°59         | 26°20         | 26°33          | 15°56  | 10° 9          | 10°47  | 14°49           | 29 <b>Y</b> 58 | T 21 |
| F 22 | 1 58 40 | 27°49'50          | 8 <b>8</b> 35   | 17°42          | 20° 8          | 15°45  | 17°25          | 25° 6         | 26°18         | 26°34          | 15°56  | 9°58           | 10°44  | 14°56           | 29°55          | F 22 |
| S 23 | 2 2 37  | 28°49'33          | 23° 2           | 19° 5          | 21°24          | 15°26  | 17°27          | 25°13         | 26°16         | 26°35          | 15°56  | 9°49           | 10°41  | 15° 3           | 29°52          | S 23 |
| S 24 | 2 6 3 3 | 29°49'17          | 7 <b>I</b> 3    | 20°27          | 22°39          | 15° 8  | 17°28          | 25°19         | 26°14         | 26°37          | 15°56  | 9°43           | 10°38  | 15° 9           | 29°50          | S 24 |
| M25  | 2 10 30 | 0 <b>IL</b> 49'04 | 20°36           | 21°48          | 23°54          | 14°48  | 17°30          | 25°26         | 26°12         | 26°38          | 15°56  | 9°39           | 10°34  | 15°16           | 29°47          | M25  |
| T 26 | 2 14 26 | 1°48'52           | <b>394</b> 2    | 23° 7          | 25° 9          | 14°29  | 17°33          | 25°33         | 26°11         | 26°39          | 15°56  | 9°37           | 10°31  | 15°23           | 29°44          | T 26 |
| W27  | 2 18 23 | 2°48'43           | 16°23           | 24°26          | 26°24          | 14° 8  | 17°35          | 25°39         | 26° 9         | 26°40          | 15°56  | 9°D37          | 10°28  | 15°30           | 29°41          | W27  |
| T 28 | 2 22 19 | 3°48'37           | 28°44           | 25°43          | 27°39          | 13°48  | 17°38          | 25°46         | 26° 7         | 26°41          | 15°55  | 9°R38          | 10°25  | 15°36           | 29°38          | T 28 |
| F 29 | 2 26 16 | 4°48'32           | $10\Omega 49$   | 26°59          | 28°55          | 13°27  | 17°41          | 25°53         | 26° 5         | 26°42          | 15°55  | 9°38           | 10°22  | 15°43           | 29°35          | F 29 |
| S 30 | 2 30 12 | 5°48'29           | 22°44           | 28°14          | 0 <b>M</b> .10 | 13° 7  | 17°44          | 26° 0         | 26° 4         | 26°43          | 15°55  | 9°36           | 10°19  | 15°50           | 29°33          | S 30 |
| S 31 | 2 34 9  | 6ML48'29          | 4 <b>m</b> /35  | 29 <b>M</b> 27 | 1 <b>M</b> 25  | 12846  | 17 <b>≈</b> 47 | 26 <b>M</b> 7 | 26 <b>∺</b> 2 | 26 <b>Ω</b> 44 | 159554 | 9 <b>93</b> 32 | 109915 | 15 <b>m</b> 56  | 29 <b>Y</b> 30 | S 31 |

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| Day  | Sid.t   | 0                | D              | ğ              | φ             | ð             | 4     | ħ              | )∤(            | 并      | В      | ₽.    | Ω      | Ç               | ę,             | Day  |
|------|---------|------------------|----------------|----------------|---------------|---------------|-------|----------------|----------------|--------|--------|-------|--------|-----------------|----------------|------|
| M 1  | 2 38 6  | 7 <b>M</b> 48'31 | 16 <b>M</b> 25 | 0 <b>∡</b> 738 | 2 <b>M</b> 40 | 12°R24        | 17≈50 | 26MJ14         | 26°R 0         | 26₽45  | 15°R54 | 9°R26 | 109512 | 16Mp 3          | 29°R27         | M 1  |
| T 2  | 2 42 2  | 8°48'34          | 28°19          | 1°48           | 3°56          | 128 3         | 17°54 | 26°21          | 25 <b>米</b> 59 | 26°46  | 159554 | 99317 | 10° 9  | 16°10           | 29 <b>Y</b> 24 | T 2  |
| W 3  | 2 45 59 | 9°48'40          | 10 <b>≏</b> 20 | 2°55           | 5°11          | 11°42         | 17°58 | 26°27          | 25°57          | 26°47  | 15°53  | 9° 6  | 10° 6  | 16°17           | 29°21          | W 3  |
| T 4  | 2 49 55 | 10°48'48         | 22°30          | 4° 0           | 6°26          | 11°21         | 18° 2 | 26°34          | 25°56          | 26°48  | 15°53  | 8°55  | 10° 3  | 16°23           | 29°19          | T 4  |
| F 5  | 2 53 52 | 11°48'58         | 4 <b>M</b> .51 | 5° 2           | 7°42          | 11° 0         | 18° 6 | 26°41          | 25°54          | 26°49  | 15°52  | 8°44  | 9°59   | 16°30           | 29°16          | F 5  |
| S 6  | 2 57 48 | 12°49'09         | 17°22          | 6° 1           | 8°57          | 10°39         | 18°10 | 26°48          | 25°53          | 26°50  | 15°52  | 8°34  | 9°56   | 16°37           | 29°13          | S 6  |
| S 7  | 3 1 45  | 13°49'23         | 0 <b>≯</b> 5   | 6°57           | 10°12         | 10°18         | 18°15 | 26°55          | 25°51          | 26°50  | 15°52  | 8°26  | 9°53   | 16°43           | 29°10          | S 7  |
| M 8  | 3 5 41  | 14°49'38         | 12°58          | 7°48           | 11°28         | 9°58          | 18°19 | 27° 2          | 25°50          | 26°51  | 15°51  | 8°20  | 9°50   | 16°50           | 29° 8          | M 8  |
| T 9  | 3 9 38  | 15°49'55         | 2 <u>6</u> ° 3 | 8°36           | 12°43         | 9°38          | 18°24 | 27°10          | 25°49          | 26°52  | 15°51  | 8°17  | 9°47   | 16°57           | 29° 5          | T 9  |
| W10  | 3 13 35 | 16°50'13         | 9 <b>る</b> 19  | 9°19           | 13°58         | 9°18          | 18°29 | 27°17          | 25°48          | 26°53  | 15°50  | 8°D16 | 9°44   | 17° 4           | 29° 2          | W10  |
| T 11 | 3 17 31 | 17°50'33         | 22°47          | 9°57           | 15°14         | 8°59          | 18°35 | 27°24          | 25°46          | 26°53  | 15°49  | 8°17  | 9°40   | 17°10           | 29° 0          | T 11 |
| F 12 | 3 21 28 | 18°50'54         | 6≈29           | 10°29          | 16°29         | 8°40          | 18°40 | 27°31          | 25°45          | 26°54  | 15°49  | 8°18  | 9°37   | 17°17           | 28°57          | F 12 |
| S 13 | 3 25 24 | 19°51'17         | 20°23          | 10°54          | 17°44         | 8°22          | 18°46 | 27°38          | 25°44          | 26°55  | 15°48  | 8°R19 | 9°34   | 17°24           | 28°54          | S 13 |
| S 14 | 3 29 21 | 20°51'41         | 4 <b>∺</b> 31  | 11°12          | 19° 0         | 8° 4          | 18°51 | 27°45          | 25°43          | 26°55  | 15°48  | 8°18  | 9°31   | 17°30           | 28°52          | S 14 |
| M15  | 3 33 17 | 21°52'06         | 18°52          | 11°22          | 20°15         | 7°47          | 18°57 | 27°52          | 25°42          | 26°56  | 15°47  | 8°15  | 9°28   | 17°37           | 28°49          | M15  |
| T 16 | 3 37 14 | 22°52'33         | 3 <b>Υ</b> 21  | 11°R23         | 21°30         | 7°30          | 19° 3 | 27°59          | 25°41          | 26°56  | 15°46  | 8°10  | 9°25   | 17°44           | 28°47          | T 16 |
| W17  | 3 41 10 | 23°53'01         | 17°56          | 11°15          | 22°46         | 7°14          | 19°10 | 28° 6          | 25°40          | 26°57  | 15°46  | 8° 4  | 9°21   | 17°51           | 28°44          | W17  |
| T 18 | 3 45 7  | 24°53'30         | 2 <b>8</b> 29  | 10°57          | 24° 1         | 6°59          | 19°16 | 28°13          | 25°39          | 26°57  | 15°45  | 7°57  | 9°18   | 17°57           | 28°42          | T 18 |
| F 19 | 3 49 4  | 25°54'00         | 16°54          | 10°28          | 25°17         | 6°44          | 19°23 | 28°21          | 25°38          | 26°57  | 15°44  | 7°50  | 9°15   | 18° 4           | 28°39          | F 19 |
| S 20 | 3 53 0  | 26°54'33         | 1 <b>I</b> I 4 | 9°49           | 26°32         | 6°30          | 19°30 | 28°28          | 25°37          | 26°58  | 15°43  | 7°44  | 9°12   | 18°11           | 28°37          | S 20 |
| S 21 | 3 56 57 | 27°55'06         | 14°55          | 9° 0           | 27°47         | 6°17          | 19°36 | 28°35          | 25°37          | 26°58  | 15°43  | 7°40  | 9° 9   | 18°17           | 28°34          | S 21 |
| M22  | 4 0 53  | 28°55'42         | 28°24          | 8° 1           | 29° 3         | 6° 4          | 19°44 | 28°42          | 25°36          | 26°58  | 15°42  | 7°38  | 9° 5   | 18°24           | 28°32          | M22  |
| T 23 | 4 4 50  | 29°56'19         | 119529         | 6°53           | 0 <b>∡</b> 18 | 5°53          | 19°51 | 28°49          | 25°35          | 26°59  | 15°41  | 7°D38 | 9° 2   | 18°31           | 28°30          | T 23 |
| W24  | 4 8 46  | 0 <b>∡</b> 56'57 | 24°12          | 5°38           | 1°34          | 5°41          | 19°58 | 28°56          | 25°35          | 26°59  | 15°40  | 7°39  | 8°59   | 18°38           | 28°27          | W24  |
| T 25 | 4 12 43 | 1°57'38          | $6\Omega$ 35   | 4°18           | 2°49          | 5°31          | 20° 6 | 29° 3          | 25°34          | 26°59  | 15°39  | 7°40  | 8°56   | 18°44           | 28°25          | T 25 |
| F 26 | 4 16 39 | 2°58'19          | 18°44          | 2°56           | 4° 4          | 5°22          | 20°14 | 29°11          | 25°34          | 26°59  | 15°39  | 7°42  | 8°53   | 18°51           | 28°23          | F 26 |
| S 27 | 4 20 36 | 3°59'03          | 0 <b>m</b> /42 | 1°35           | 5°20          | 5°13          | 20°21 | 29°18          | 25°33          | 26°59  | 15°38  | 7°R43 | 8°50   | 18°58           | 28°21          | S 27 |
| S 28 | 4 24 33 | 4°59'47          | 12°34          | 0°16           | 6°35          | 5° 5          | 20°29 | 29°25          | 25°33          | 26°59  | 15°37  | 7°43  | 8°46   | 19° 4           | 28°18          | S 28 |
| M29  | 4 28 29 | 6° 0'34          | 24°26          | 29M 3          | 7°51          | 4°58          | 20°38 | 29°32          | 25°32          | 27° 0  | 15°36  | 7°41  | 8°43   | 19°11           | 28°16          | M29  |
| T 30 | 4 32 26 | 7 <b>.₹</b> 1'22 | 6 <b>Ω</b> 22  | 27 <b>M</b> 58 | 9 <b>∤</b> 6  | 4 <b>8</b> 52 | 20≈46 | 29 <b>M</b> 39 | 25 <b>)</b> 32 | 27°R 0 | 15935  | 7938  | 8940   | 19 <b>m</b> /18 | 28 <b>Y</b> 14 | T 30 |

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DECEMBER 1926 00:00 UT

| Day  | Sid.t   | $\odot$           | Ŋ              | φ               | ·               | o <sup>7</sup> | 4     | ħ              | )∤(            | ¥              | 5      | R     | Ω            | ţ               | δ              | Day  |
|------|---------|-------------------|----------------|-----------------|-----------------|----------------|-------|----------------|----------------|----------------|--------|-------|--------------|-----------------|----------------|------|
| W 1  | 4 36 22 | 8 <b>%</b> 2'11   | 18 <b>≏</b> 26 | 27°R 3          | 10 <b>∡</b> 122 | 4°R47          | 20≈54 | 29M46          | 25°R32         | 26°R59         | 15°R34 | 7°R33 | 8937         | 19 <b>m</b> )25 | 28°R12         | W 1  |
| T 2  | 4 40 19 | 9° 3'02           | 0 <b>M</b> .42 | 26MJ18          | 11°37           | 4842           | 21° 3 | 29°53          | 25 <b>)</b> 32 | 26€59          | 15933  | 79528 | 8°34         | 19°31           | 28 <b>Y</b> 10 | T 2  |
| F 3  | 4 44 15 | 10° 3'54          | 13°11          | 25°45           | 12°53           | 4°38           | 21°12 | 0 <b>∡</b> 0   | 25°31          | 26°59          | 15°32  | 7°23  | 8°31         | 19°38           | 28° 8          | F 3  |
| S 4  | 4 48 12 | 11° 4'47          | 25°57          | 25°23           | 14° 8           | 4°35           | 21°20 | 0° 7           | 25°31          | 26°59          | 15°31  | 7°19  | 8°27         | 19°45           | 28° 6          | S 4  |
| S 5  | 4 52 8  | 12° 5'42          | 8 <b>√</b> 157 | 25°D12          | 15°24           | 4°33           | 21°29 | 0°15           | 25°31          | 26°59          | 15°30  | 7°16  | 8°24         | 19°51           | 28° 5          | S 5  |
| M 6  | 4 56 5  | 13° 6'37          | 22°14          | 25°12           | 16°39           | 4°32           | 21°39 | 0°22           | 25°D31         | 26°59          | 15°29  | 7°13  | 8°21         | 19°58           | 28° 3          | M 6  |
| T 7  | 5 0 2   | 14° 7'34          | 5 <b>云</b> 43  | 25°23           | 17°54           | 4°D31          | 21°48 | 0°29           | 25°31          | 26°59          | 15°28  | 7°D13 | 8°18         | 20° 5           | 28° 1          | T 7  |
| W 8  | 5 3 58  | 15° 8'31          | 19°25          | 25°42           | 19°10           | 4°32           | 21°57 | 0°36           | 25°31          | 26°58          | 15°27  | 7°13  | 8°15         | 20°12           | 27°59          | W 8  |
| T 9  | 5 7 55  | 16° 9'30          | 3≈16           | 26°10           | 20°25           | 4°33           | 22° 7 | 0°43           | 25°32          | 26°58          | 15°26  | 7°14  | 8°11         | 20°18           | 27°58          | T 9  |
| F 10 | 5 11 51 | 17°10'29          | 17°15          | 26°46           | 21°41           | 4°35           | 22°17 | 0°50           | 25°32          | 26°58          | 15°25  | 7°16  | 8° 8         | 20°25           | 27°56          | F 10 |
| S 11 | 5 15 48 | 18°11'28          | 1 <b>∺</b> 20  | 27°28           | 22°56           | 4°37           | 22°26 | 0°57           | 25°32          | 26°57          | 15°24  | 7°17  | 8° 5         | 20°32           | 27°54          | S 11 |
| S 12 | 5 19 44 | 19°12'28          | 15°29          | 28°17           | 24°12           | 4°41           | 22°36 | 1° 3           | 25°32          | 26°57          | 15°23  | 7°R18 | 8° 2         | 20°38           | 27°53          | S 12 |
| M13  | 5 23 41 | 20°13'29          | 29°41          | 29°10           | 25°27           | 4°45           | 22°46 | 1°10           | 25°33          | 26°57          | 15°21  | 7°17  | 7°59         | 20°45           | 27°51          | M13  |
| T 14 | 5 27 37 | 21°14'30          | 13 <b>Y</b> 52 | 0 <b>∡</b> 7 8  | 26°43           | 4°50           | 22°56 | 1°17           | 25°33          | 26°56          | 15°20  | 7°16  | 7°56         | 20°52           | 27°50          | T 14 |
| W15  | 5 31 34 | 22°15'31          | 28° 1          | 1°11            | 27°58           | 4°56           | 23° 7 | 1°24           | 25°34          | 26°56          | 15°19  | 7°15  | 7°52         | 20°59           | 27°48          | W15  |
| T 16 | 5 35 31 | 23°16'33          | 128 4          | 2°16            | 29°13           | 5° 2           | 23°17 | 1°31           | 25°34          | 26°55          | 15°18  | 7°13  | 7°49         | 21° 5           | 27°47          | T 16 |
| F 17 | 5 39 27 | 24°17'36          | 25°59          | 3°25            | 0 <b>궁</b> 29   | 5° 9           | 23°28 | 1°38           | 25°35          | 26°55          | 15°17  | 7°11  | 7°46         | 21°12           | 27°46          | F 17 |
| S 18 | 5 43 24 | 25°18'39          | 9∏42           | 4°37            | 1°44            | 5°17           | 23°38 | 1°45           | 25°35          | 26°54          | 15°16  | 7°10  | 7°43         | 21°19           | 27°45          | S 18 |
| S 19 | 5 47 20 | 26°19'43          | 23°11          | 5°51            | 3° 0            | 5°26           | 23°49 | 1°51           | 25°36          | 26°53          | 15°14  | 7° 9  | 7°40         | 21°25           | 27°43          | S 19 |
| M20  | 5 51 17 | 27°20'47          | 6923           | 7° 7            | 4°15            | 5°35           | 24° 0 | 1°58           | 25°37          | 26°53          | 15°13  | 7°D 8 | 7°37         | 21°32           | 27°42          | M20  |
| T 21 | 5 55 13 | 28°21'52          | 19°18          | 8°25            | 5°31            | 5°44           | 24°11 | 2° 5           | 25°37          | 26°52          | 15°12  | 7° 9  | 7°33         | 21°39           | 27°41          | T 21 |
| W22  | 5 59 10 | 2 <u>9°</u> 22'57 | 1 <b>Ω</b> 57  | 9°44            | 6°46            | 5°55           | 24°22 | 2°11           | 25°38          | 26°51          | 15°11  | 7° 9  | 7°30         | 21°46           | 27°40          | W22  |
| T 23 | 6 3 7   | 0 <b>පි</b> 24'03 | 14°19          | 11° 5           | 8° 1            | 6° 6           | 24°33 | 2°18           | 25°39          | 26°51          | 15°10  | 7°10  | 7°27         | 21°52           | 27°39          | T 23 |
| F 24 | 6 7 3   | 1°25'09           | 26°28          | 12°27           | 9°17            | 6°17           | 24°44 | 2°24           | 25°40          | 26°50          | 15° 8  | 7°11  | 7°24         | 21°59           | 27°38          | F 24 |
| S 25 | 6 11 0  | 2°26'16           | 8 Mp 28        | 13°50           | 10°32           | 6°30           | 24°55 | 2°31           | 25°41          | 26°49          | 15° 7  | 7°11  | 7°21         | 22° 6           | 27°37          | S 25 |
| S 26 | 6 14 56 | 3°27'24           | 20°21          | 15°14           | 11°48           | 6°43           | 25° 7 | 2°37           | 25°42          | 26°48          | 15° 6  | 7°11  | 7°17         | 22°13           | 27°37          | S 26 |
| M27  | 6 18 53 | 4°28'32           | 2 <b>≏</b> 13  | 16°39           | 13° 3           | 6°56           | 25°18 | 2°44           | 25°43          | 26°47          | 15° 5  | 7°R12 | 7°14         | 22°19           | 27°36          | M27  |
| T 28 | 6 22 49 | 5°29'41           | 14° 9          | 18° 5           | 14°18           | 7°10           | 25°30 | 2°50           | 25°44          | 26°46          | 15° 4  | 7°12  | 7°11         | 22°26           | 27°35          | T 28 |
| W29  | 6 26 46 | 6°30'50           | 26°12          | 19°31           | 15°34           | 7°24           | 25°42 | 2°57           | 25°45          | 26°46          | 15° 2  | 7°12  | 7° 8         | 22°33           | 27°35          | W29  |
| T 30 | 6 30 42 | 7°32'00           | 8M28           | 20°58           | 16°49           | 7°39           | 25°54 | 3° 3           | 25°47          | 26°45          | 15° 1  | 7°D12 | 7° 5         | 22°39           | 27°34          | T 30 |
| F 31 | 6 34 39 | 8 <b>ප</b> 33'10  | 21 <b>m</b> 1  | 22 <b>×</b> 126 | 18중 5           | 7 <b>8</b> 55  | 26≈ 6 | 3 <b>∡</b> 7 9 | 25 <b>)</b> 48 | 26 <b>Ω</b> 44 | 1599 0 | 79512 | <b>799</b> 2 | 22 Mp 46        | 27 <b>Y</b> 34 | F 31 |

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JANUARY 1927 00:00 UT

| Day  | Sid.t   | 0                | D              | Ϋ́              | φ              | ♂     | 4             | ħ             | )∤(              | 并             | Р      | u     | v    | ţ              | Ŷ,             | Day  |
|------|---------|------------------|----------------|-----------------|----------------|-------|---------------|---------------|------------------|---------------|--------|-------|------|----------------|----------------|------|
| S 1  | 6 38 36 | 9 <b>ට</b> 34'21 | 3 <b>₹</b> 53  | 23 <b>×</b> 754 | 19 <b>る</b> 20 | 8811  | 26≈18         | 3 <b>₹</b> 16 | 25 <b>)</b> (49  | 26°R43        | 14°R59 | 79512 | 6958 | 22 <b>m</b> 53 | 27°R33         | S 1  |
| S 2  | 6 42 32 | 10°35'31         | 17° 5          | 25°23           | 20°35          | 8°28  | 26°30         | 3°22          | 25°51            | 26₽42         | 14957  | 7°12  | 6°55 | 23° 0          | 27 <b>Y</b> 33 | S 2  |
| M 3  | 6 46 29 | 11°36'43         | 0 <b>궁</b> 39  | 26°53           | 21°51          | 8°45  | 26°42         | 3°28          | 25°52            | 26°41         | 14°56  | 7°R12 | 6°52 | 23° 6          | 27°32          | M 3  |
| T 4  | 6 50 25 | 12°37'54         | 14°33          | 28°22           | 23° 6          | 9° 2  | 26°54         | 3°34          | 25°53            | 26°39         | 14°55  | 7°12  | 6°49 | 23°13          | 27°32          | T 4  |
| W 5  | 6 54 22 | 13°39'05         | 28°43          | 29°53           | 24°22          | 9°20  | 27° 6         | 3°40          | 25°55            | 26°38         | 14°54  | 7°12  | 6°46 | 23°20          | 27°32          | W 5  |
| T 6  | 6 58 18 | 14°40'16         | 13 <b>≈</b> 4  | 1る23            | 25°37          | 9°39  | 27°19         | 3°46          | 25°56            | 26°37         | 14°52  | 7°11  | 6°43 | 23°26          | 27°32          | T 6  |
| F 7  | 7 2 15  | 15°41'26         | 27°32          | 2°54            | 26°52          | 9°58  | 27°31         | 3°52          | 25°58            | 26°36         | 14°51  | 7°10  | 6°39 | 23°33          | 27°32          | F 7  |
| S 8  | 7 6 11  | 16°42'36         | 12 <b>米</b> 1  | 4°26            | 28° 8          | 10°17 | 27°44         | 3°58          | 26° 0            | 26°35         | 14°50  | 7° 9  | 6°36 | 23°40          | 27°D32         | S 8  |
| S 9  | 7 10 8  | 17°43'46         | 26°25          | 5°58            | 29°23          | 10°37 | 27°57         | 4° 4          | 26° 1            | 26°34         | 14°48  | 7° 8  | 6°33 | 23°47          | 27°32          | S 9  |
| M10  | 7 14 5  | 18°44'55         | 10 <b>Y</b> 42 | 7°30            | 0≈38           | 10°57 | 28° 9         | 4°10          | 26° 3            | 26°32         | 14°47  | 7° 8  | 6°30 | 23°53          | 27°32          | M10  |
| T 11 | 7 18 1  | 19°46'04         | 24°48          | 9° 3            | 1°54           | 11°17 | 28°22         | 4°15          | 26° 5            | 26°31         | 14°46  | 7°D 8 | 6°27 | 24° 0          | 27°32          | T 11 |
| W12  | 7 21 58 | 20°47'12         | 8 <b>8</b> 42  | 10°36           | 3° 9           | 11°38 | 28°35         | 4°21          | 26° 7            | 26°30         | 14°45  | 7° 8  | 6°23 | 24° 7          | 27°32          | W12  |
| T 13 | 7 25 54 | 21°48'19         | 22°24          | 12°10           | 4°24           | 12° 0 | 28°48         | 4°27          | 26° 9            | 26°29         | 14°43  | 7° 9  | 6°20 | 24°13          | 27°32          | T 13 |
| F 14 | 7 29 51 | 22°49'26         | 5 <b>Ⅱ</b> 52  | 13°44           | 5°39           | 12°22 | 29° 1         | 4°32          | 26°11            | 26°27         | 14°42  | 7°10  | 6°17 | 24°20          | 27°32          | F 14 |
| S 15 | 7 33 47 | 23°50'32         | 19° 7          | 15°19           | 6°55           | 12°44 | 29°14         | 4°38          | 26°12            | 26°26         | 14°41  | 7°12  | 6°14 | 24°27          | 27°33          | S 15 |
| S 16 | 7 37 44 | 24°51'38         | 29510          | 16°54           | 8°10           | 13° 6 | 29°27         | 4°43          | 26°14            | 26°25         | 14°40  | 7°R12 | 6°11 | 24°34          | 27°33          | S 16 |
| M17  | 7 41 40 | 25°52'43         | 15° 0          | 18°30           | 9°25           | 13°29 | 29°40         | 4°48          | 26°17            | 26°23         | 14°38  | 7°12  | 6° 8 | 24°40          | 27°34          | M17  |
| T 18 | 7 45 37 | 26°53'47         | 27°39          | 20° 6           | 10°40          | 13°52 | 29°54         | 4°54          | 26°19            | 26°22         | 14°37  | 7°11  | 6° 4 | 24°47          | 27°34          | T 18 |
| W19  | 7 49 34 | 27°54'51         | $10\Omega$ 5   | 21°43           | 11°56          | 14°16 | 0 <b>∺</b> 7  | 4°59          | 26°21            | 26°20         | 14°36  | 7° 9  | 6° 1 | 24°54          | 27°35          | W19  |
| T 20 | 7 53 30 | 28°55'55         | 22°20          | 23°20           | 13°11          | 14°39 | 0°20          | 5° 4          | 26°23            | 26°19         | 14°35  | 7° 6  | 5°58 | 25° 1          | 27°35          | T 20 |
| F 21 | 7 57 27 | 29°56'57         | 4 Mp 26        | 24°58           | 14°26          | 15° 3 | 0°34          | 5° 9          | 26°25            | 26°17         | 14°34  | 7° 2  | 5°55 | 25° 7          | 27°36          | F 21 |
| S 22 | 8 1 23  | 0≈58'00          | 16°25          | 26°36           | 15°41          | 15°28 | 0°47          | 5°14          | 26°27            | 26°16         | 14°32  | 6°58  | 5°52 | 25°14          | 27°37          | S 22 |
| S 23 | 8 5 20  | 1°59'01          | 28°18          | 28°15           | 16°56          | 15°52 | 1° 1          | 5°19          | 26°30            | 26°14         | 14°31  | 6°54  | 5°49 | 25°21          | 27°38          | S 23 |
| M24  | 8 9 16  | 3° 0'02          | 10 <b>♀</b> 9  | 29°55           | 18°11          | 16°17 | 1°14          | 5°24          | 26°32            | 26°13         | 14°30  | 6°50  | 5°45 | 25°27          | 27°39          | M24  |
| T 25 | 8 13 13 | 4° 1'03          | 22° 3          | 1≈35            | 19°27          | 16°43 | 1°28          | 5°29          | 26°34            | 26°11         | 14°29  | 6°48  | 5°42 | 25°34          | 27°40          | T 25 |
| W26  | 8 17 9  | 5° 2'03          | 4M 4           | 3°16            | 20°42          | 17° 8 | 1°41          | 5°34          | 26°37            | 26°10         | 14°28  | 6°D48 | 5°39 | 25°41          | 27°41          | W26  |
| T 27 | 8 21 6  | 6° 3'03          | 16°17          | 4°58            | 21°57          | 17°34 | 1°55          | 5°38          | 26°39            | 26° 8         | 14°26  | 6°48  | 5°36 | 25°48          | 27°42          | T 27 |
| F 28 | 8 25 3  | 7° 4'02          | 28°46          | 6°40            | 23°12          | 18° 0 | 2° 9          | 5°43          | 26°42            | 26° 7         | 14°25  | 6°50  | 5°33 | 25°54          | 27°43          | F 28 |
| S 29 | 8 28 59 | 8° 5'00          | 11 <b>×</b> 35 | 8°22            | 24°27          | 18°26 | 2°23          | 5°47          | 26°44            | 26° 5         | 14°24  | 6°51  | 5°29 | 26° 1          | 27°44          | S 29 |
| S 30 | 8 32 56 | 9° 5'58          | 24°49          | 10° 6           | 25°42          | 18°53 | 2°37          | 5°52          | 26°47            | 26° 4         | 14°23  | 6°53  | 5°26 | 26° 8          | 27°45          | S 30 |
| M31  | 8 36 52 | 10≈ 6'55         | 8 <b>궁</b> 29  | 11≈50           | 26≈57          | 19820 | 2 <b>∺</b> 51 | 5 <b>₹</b> 56 | 26 <b>) (</b> 49 | 26 <b>Ω</b> 2 | 149522 | 6°R53 | 5923 | 26 Mp 14       | 27 <b>Y</b> 46 | M31  |

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| Day  | Sid.t    | 0                | 7              | φ             | Q.              | δ              | 4             | ħ              | ፟፟፟፟፟          | ¥              | 2      | ß            | G    | ţ              | δ              | Day  |
|------|----------|------------------|----------------|---------------|-----------------|----------------|---------------|----------------|----------------|----------------|--------|--------------|------|----------------|----------------|------|
| T 1  | 8 40 49  | 11≈ 7'51         | 22 <b>궁</b> 35 | 13≈35         | 28≈12           | 19 <b>8</b> 47 | 3 <b>∺</b> 4  | 6 <b>₹</b> 1   | 26 <b>)</b> 52 | 26°R 0         | 14°R21 | 6°R52        | 5920 | 26 <b>m</b> 21 | 27 <b>Y</b> 48 | T 1  |
| W 2  | 8 44 45  | 12° 8'46         | 7≈ 4           | 15°20         | 29°27           | 20°14          | 3°18          | 6° 5           | 26°54          | 25 <b>Ω</b> 59 | 149520 | 6950         | 5°17 | 26°28          | 27°49          | W 2  |
| T 3  | 8 48 42  | 13° 9'40         | 21°51          | 17° 6         | 0 <b>) (</b> 42 | 20°41          | 3°32          | 6° 9           | 26°57          | 25°57          | 14°19  | 6°45         | 5°14 | 26°35          | 27°50          | T 3  |
| F 4  | 8 52 38  | 14°10'33         | 6 <b>)(</b> 47 | 18°52         | 1°57            | 21° 9          | 3°47          | 6°13           | 27° 0          | 25°56          | 14°17  | 6°39         | 5°10 | 26°41          | 27°52          | F 4  |
| S 5  | 8 56 35  | 15°11'24         | 21°45          | 20°40         | 3°12            | 21°37          | 4° 1          | 6°17           | 27° 3          | 25°54          | 14°16  | 6°33         | 5° 7 | 26°48          | 27°53          | S 5  |
| S 6  | 9 0 32   | 16°12'15         | 6 <b>Υ</b> 34  | 22°27         | 4°27            | 22° 5          | 4°15          | 6°21           | 27° 5          | 25°52          | 14°15  | 6°28         | 5° 4 | 26°55          | 27°55          | S 6  |
| M 7  | 9 4 28   | 17°13'03         | 21° 9          | 24°15         | 5°42            | 22°33          | 4°29          | 6°25           | 27° 8          | 25°51          | 14°14  | 6°24         | 5° 1 | 27° 2          | 27°57          | M 7  |
| T 8  | 9 8 25   | 18°13'50         | 5 <b>8</b> 24  | 26° 3         | 6°57            | 23° 2          | 4°43          | 6°28           | 27°11          | 25°49          | 14°13  | 6°21         | 4°58 | 27° 8          | 27°58          | T 8  |
| W 9  | 9 12 21  | 19°14'36         | 19°18          | 27°51         | 8°11            | 23°31          | 4°57          | 6°32           | 27°14          | 25°47          | 14°12  | 6°D20        | 4°55 | 27°15          | 28° 0          | W 9  |
| T 10 | 9 16 18  | 20°15'20         | 2 <b>Ⅱ</b> 51  | 29°40         | 9°26            | 23°59          | 5°12          | 6°35           | 27°17          | 25°46          | 14°11  | 6°21         | 4°51 | 27°22          | 28° 2          | T 10 |
| F 11 | 9 20 14  | 21°16'03         | 16° 4          | 1 <b>∺</b> 28 | 10°41           | 24°29          | 5°26          | 6°39           | 27°20          | 25°44          | 14°10  | 6°22         | 4°48 | 27°28          | 28° 4          | F 11 |
| S 12 | 9 24 11  | 22°16'44         | 29° 1          | 3°16          | 11°56           | 24°58          | 5°40          | 6°42           | 27°22          | 25°42          | 14° 9  | 6°23         | 4°45 | 27°35          | 28° 6          | S 12 |
| S 13 | 9 28 7   | 23°17'23         | 119543         | 5° 4          | 13°10           | 25°27          | 5°54          | 6°46           | 27°25          | 25°41          | 14° 8  | 6°R23        | 4°42 | 27°42          | 28° 8          | S 13 |
| M14  | 9 32 4   | 24°18'01         | 24°14          | 6°50          | 14°25           | 25°57          | 6° 9          | 6°49           | 27°28          | 25°39          | 14° 7  | 6°22         | 4°39 | 27°49          | 28°10          | M14  |
| T 15 | 9 36 1   | 25°18'37         | 6Ω34           | 8°36          | 15°40           | 26°27          | 6°23          | 6°52           | 27°31          | 25°37          | 14° 7  | 6°18         | 4°35 | 27°55          | 28°12          | T 15 |
| W16  | 9 39 57  | 26°19'11         | 18°47          | 10°20         | 16°54           | 26°57          | 6°37          | 6°55           | 27°34          | 25°36          | 14° 6  | 6°11         | 4°32 | 28° 2          | 28°14          | W16  |
| T 17 | 9 43 54  | 27°19'44         | 0 <b>m</b> 52  | 12° 2         | 18° 9           | 27°27          | 6°52          | 6°58           | 27°37          | 25°34          | 14° 5  | 6° 2         | 4°29 | 28° 9          | 28°16          | T 17 |
| F 18 | 9 47 50  | 28°20'16         | 12°52          | 13°42         | 19°24           | 27°57          | 7° 6          | 7° 1           | 27°41          | 25°32          | 14° 4  | 5°52         | 4°26 | 28°16          | 28°18          | F 18 |
| S 19 | 9 51 47  | 29°20'46         | 24°48          | 15°19         | 20°38           | 28°27          | 7°21          | 7° 3           | 27°44          | 25°30          | 14° 3  | 5°41         | 4°23 | 28°22          | 28°20          | S 19 |
| S 20 | 9 55 43  | 0 <b>∺</b> 21'14 | 6 <b>₽</b> 40  | 16°52         | 21°53           | 28°58          | 7°35          | 7° 6           | 27°47          | 25°29          | 14° 2  | 5°31         | 4°20 | 28°29          | 28°22          | S 20 |
| M21  | 9 59 40  | 1°21'41          | 18°32          | 18°22         | 23° 7           | 29°28          | 7°49          | 7° 8           | 27°50          | 25°27          | 14° 1  | 5°22         | 4°16 | 28°36          | 28°25          | M21  |
| T 22 | 10 3 36  | 2°22'07          | 0 <b>M</b> 26  | 19°46         | 24°22           | 29°59          | 8° 4          | 7°11           | 27°53          | 25°25          | 14° 1  | 5°15         | 4°13 | 28°42          | 28°27          | T 22 |
| W23  | 10 7 33  | 3°22'31          | 12°25          | 21° 6         | 25°36           | 0Д30           | 8°18          | 7°13           | 27°56          | 25°24          | 14° 0  | 5°10         | 4°10 | 28°49          | 28°30          | W23  |
| T 24 | 10 11 30 | 4°22'54          | 24°34          | 22°20         | 26°50           | 1° 1           | 8°33          | 7°16           | 27°59          | 25°22          | 13°59  | 5° 7         | 4° 7 | 28°56          | 28°32          | T 24 |
| F 25 | 10 15 26 | 5°23'16          | 6 <b>才</b> 58  | 23°27         | 28° 5           | 1°32           | 8°47          | 7°18           | 28° 3          | 25°20          | 13°58  | 5°D 7        | 4° 4 | 29° 3          | 28°34          | F 25 |
| S 26 | 10 19 23 | 6°23'36          | 19°41          | 24°27         | 29°19           | 2° 3           | 9° 2          | 7°20           | 28° 6          | 25°19          | 13°58  | 5° 7         | 4° 1 | 29° 9          | 28°37          | S 26 |
| S 27 | 10 23 19 | 7°23'55          | 2 <b>ප</b> 49  | 25°20         | 0 <b>Υ</b> 33   | 2°35           | 9°16          | 7°22           | 28° 9          | 25°17          | 13°57  | 5°R 8        | 3°57 | 29°16          | 28°40          | S 27 |
| M28  | 10 27 16 | 8 <b>∺</b> 24'12 | 16 <b>ට</b> 23 | 26 <b>∺</b> 4 | 1 <b>Ƴ</b> 47   | 3 <b>I</b> 6   | 9 <b>∺</b> 31 | 7 <b>,₹</b> 24 | 28 <b>ℋ</b> 12 | 25 <b>Ω</b> 16 | 13956  | 5 <b>9</b> 7 | 3954 | 29 <b>m</b> 23 | 28 <b>Y</b> 42 | M28  |

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| Sid.t    | 0  | 9  | ğ   | φ  | δ   | 4   | ħ   | ᡟ   | ¥   | Р   | Ę  | <b>ී</b>  | Ç   | ę,  | Day  |
|----------|--|--|---|--|---|---|---|---|---|---|--|---|---|---|--|
| 10 31 12 | 9 <b>)</b> €24'28  | 0≈28   | 26 <b>∺</b> 39  | 3 <b>Υ</b> 2   | 3耳38  | 9 <b>)</b> (45  | 7 <b>₹</b> 25   | 28 <b>米</b> 16  | 25°R14  | 13°R56  | 5°R 5  | 3951  | 29 <b>m</b> 29  | 28 <b>Y</b> 45  | T 1  |
|          |  |  |   |  |   |   |   |   |   |   |  |   | _,  |   | W 2  |
|          |  |  |   |  |   | -   |   | -   |   |   | -  |   |   |   | T 3  |
|          |  |  |   | -  | -   |   |   |   |   |   |  | _   |   |   | F 4<br>S 5   |
|          |  |  |   |  |   |   |   |   |   |   |  |   |   |   |  |
|          | -  |  |   |  |   |   |   |   |   |   |  |   | -   |   | S 6<br>M 7   |
|          |  |  |   |  |   |   |   |   |   |   | _  |   |   |   | T 8  |
|          |  |  |   |  |   |   |   |   |   |   |  |   |   |   | W 9  |
| 11 641   | 18°25'28   | 12 <b>Ⅱ</b> 46   | 25°12   | 14° 8  | 8°28  | 11°56   | 7°37  | 28°46   | 25° 0   | 13°51   | 4° 3   | 3°22  | 0°30  | 29°10   | T 10   |
| 11 10 38 | 19°25'25   | 25°58  | 24°24   | 15°22  | 9° 1  | 12°10   | 7°38  | 28°49   | 24°58   | 13°50   | 4°D 3  | 3°19  | 0°37  | 29°13   | F 11   |
| 11 14 34 | 20°25'19   | 8 <b>9</b> 48  | 23°32   | 16°35  | 9°33  | 12°24   | 7°38  | 28°53   | 24°57   | 13°50   | 4°R 3  | 3°16  | 0°43  | 29°16   | S 12   |
| 11 18 31 | 21°25'11   | 21°20  | 22°37   | 17°49  | 10° 6   | 12°39   | 7°39  | 28°56   | 24°55   | 13°49   | 4° 2   | 3°13  | 0°50  | 29°19   | S 13   |
| 11 22 28 | 22°25'00   | 3 <b>Ω</b> 39  | 21°39   | 19° 3  | 10°39   | 12°53   | 7°39  | 28°59   | 24°54   | 13°49   | 3°58   | 3°10  | 0°57  | 29°23   | M14  |
|          |  |  | -   |  |   |   |   | -   |   | ,   |  |   |   |   | T 15   |
|          |  |  | -   |  | -   | _   |   |   | -   |   |  |   | -   |   | W16<br>T 17  |
|          | -  |  |   |  | ,   |   | ,   |   |   |   |  |   |   |   | F 18   |
|          |  |  |   |  | -   |   |   |   | _   |   |  |   |   |   | S 19   |
|          |  |  |   |  |   | 14010   | 7940  |   |   | 12047   | 2010   |   | 1027  |   | S 20   |
|          |  |  | -   |  |   | -   |   |   |   |   | -  | -   |   |   | M21  |
| 11 54 0  |  | 9 <b>m</b> .18   | 15°12   | 28°50  | 15° 6   | 14°48   | 7°39  | 29°27   | 24°43   | 13°47   | 2°25   | 2°44  | 1°51  | 29°48   | T 22   |
| 11 57 56 | 1°21'54  | 21°20  | 14°44   | 0 <b>8</b> 3   | 15°39   | 15° 2   | 7°39  | 29°30   | 24°41   | 13°47   | 2°17   | 2°41  | 1°57  | 29°52   | W23  |
| 12 1 53  | 2°21'23  | 3 <b>₹</b> 31  | 14°23   | 1°16   | 16°13   | 15°16   | 7°38  | 29°34   | 24°40   | 13°47   | 2°13   | 2°38  | 2° 4  |   | T 24   |
|          |  |  |   | -  |   |   |   |   |   |   |  |   |   |   | F 25   |
|          |  |  |   | _  |   | -   |   |   |   |   |  |   | _   | _   | S 26   |
| 12 13 43 | 5°19'42  |  | 13°D54  | 4°55   | 17°54   | 15°58   | 7°36  | 29°44   | 24°37   | 13°47   | 2°10   | 2°28  | 2°24  | 0° 5  | S 27   |
|          |  |  |   |  |   | -   |   |   |   |   | -  | _   | _   | 0 /   | M28  |
|          |  |  |   |  |   |   |   |   |   |   |  |   |   |   | T 29<br>W30  |
|          |  |  |   |  | -, -,   |   |   |   |   | ,   |  |   |   |   | T 31   |
|          | 10 31 12<br>10 35 9<br>10 39 5<br>10 43 2<br>10 46 59<br>10 50 55<br>10 54 52<br>10 58 48<br>11 2 45<br>11 6 41<br>11 10 38<br>11 14 34<br>11 18 31<br>11 22 28<br>11 26 24<br>11 30 21<br>11 34 17<br>11 38 14<br>11 42 10<br>11 50 3<br>11 54 0<br>11 57 56<br>12 1 53<br>12 5 50<br>12 9 46 | 10 31 12 9\(\frac{2}{2}\)24'28 10 35 9 10°24'42 10 39 5 11°24'55 10 43 2 12°25'06 10 46 59 13°25'14 10 50 55 14°25'21 10 54 52 15°25'26 10 58 48 16°25'29 11 2 45 17°25'30 11 6 41 18°25'28 11 10 38 19°25'25 11 14 34 20°25'19 11 18 31 21°25'11 11 22 28 22°25'00 11 26 24 23°24'48 11 30 21 24°24'33 11 34 17 25°24'16 11 38 14 26°23'28 11 42 10 27°23'37 11 46 7 28°23'14 11 50 3 29°22'49 11 54 0 0\(\frac{2}{2}\)22'22 11 57 56 1°21'54 12 1 53 2°21'23 12 5 50 3°20'51 12 9 46 4°20'18 12 13 43 5°19'42 12 17 39 6°19'05 12 21 36 7°18'26 12 25 32 8°17'45 | 10 31 12 9 ★24'28 0≈28 10 35 9 10°24'42 15° 0 10 39 5 11°24'55 29°57 10 43 2 12°25'06 15 ★ 9 10 46 59 13°25'14 0 ℃26 10 50 55 14°25'21 15°38 10 54 52 15°25'26 0 ♂33 10 58 48 16°25'29 15° 4 11 2 45 17°25'30 29° 9 11 6 41 18°25'28 12 | 10 31 12 9 ★24'28 0 ≈ 28 26 ★39 10 35 9 10°24'42 15° 0 27° 6 10 39 5 11°24'55 29°57 27°23 10 43 2 12°25'06 15 ★ 9 27°R30 10 46 59 13°25'14 0 ℃26 27°29 10 50 55 14°25'21 15°38 27°18 10 54 52 15°25'26 0 33 26°58 10 58 48 16°25'29 15° 4 26°30 11 2 45 17°25'30 29° 9 25°54 11 6 41 18°25'28 12 | 10 31 12 9 ★24'28 0 ≈ 28 26 ★39 3 ↑ 2 10 35 9 10°24'42 15° 0 27° 6 4°16 10 39 5 11°24'55 29°57 27°23 5°30 10 43 2 12°25'06 15 ★ 9 27°R30 6°44 10 46 59 13°25'14 0 ↑ 26 27°29 7°58 10 50 55 14°25'21 15°38 27°18 9°12 10 54 52 15°25'26 0 ♂33 26°58 10°26 10 58 48 16°25'29 15° 4 26°30 11°40 11 2 45 17°25'30 29° 9 25°54 12°54 11 6 41 18°25'28 12 Ⅲ 46 25°12 14° 8 11 10 38 19°25'25 25°58 24°24 15°22 11 14 34 20°25'19 8 4 4 26°30 11°40 11 2 2 2 2 2 2 25'00 3 €3 2 2 2 3 7 17°49 11 22 2 8 2 2 2 5 10 3 €3 2 2 2 3 7 17°49 11 30 21 2 4 2 4 3 3 2 2 4 4 15°2 2 2 2 6 1 3 4 1 7° 2 5 3 2 1 2 1 4 6 1 3 1 3 1 2 1 2 1 2 1 2 1 2 1 2 1 3 3 1 4 17° 2 5 2 3 1 3 4 1 7° 2 5 2 1 1 4 1 3 4 1 7° 2 5 2 1 1 4 1 3 4 1 7° 2 5 2 1 1 4 1 3 4 1 7° 2 5 2 1 1 1 3 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 | 10 31 12 9 ★24'28 0 ≈ 28 26 ★39 3 ↑ 2 3 1 38 10 35 9 10°24'42 15° 0 27° 6 4°16 4°10 10 39 5 11°24'55 29°57 27°23 5°30 4°42 10 43 2 12°25'06 15 ★ 9 27°R30 6°44 5°14 10 46 59 13°25'14 0 ↑ 26 27°29 7°58 5°46 10 50 55 14°25'21 15°38 27°18 9°12 6°18 10 54 52 15°25'26 0 ♂ 33 26°58 10°26 6°50 10 58 48 16°25'29 15° 4 26°30 11°40 7°23 11 2 45 17°25'30 29° 9 25°54 12°54 7°55 11 6 41 18°25'28 12 1 46 25°12 14° 8 8°28 11 10 38 19°25'25 25°58 24°24 15°22 9° 1 11 14 34 20°25'19 8 48 48 23°32 16°35 9°33 11 18 31 21°25'11 21°20 22°37 17°49 10° 6 11 22 28 22°25'00 3 0 3 0 39 21°39 19° 3 10°39 11 26 24 23°24'48 15°47 20°42 20°16 11°12 11 30 21 24°24'33 27°49 19°44 21°30 11°45 11 34 17 25°24'16 9 14 6 18°49 22°43 12°19 11 38 14 26°23'58 21°41 17°57 23°57 12°52 11 42 10 27°23'37 3 2 3 4 17° 8 25°10 13°25 11 50 3 29°22'49 27°20 15°45 27°37 14°32 11 54 0 0 12'22 9 11 18 15°12 28°50 15° 6 11°57 56 1°21'54 21°20 14°44 0 3 3 15°39 12 153 2°21'23 3 3 3 1 14°23 1°16 16°13 12 550 3°20'51 15°55 14° 7 2°29 16°47 22°20 16°47 22°29 16°47 22°20 16°47 22° | 10 31 12 9 ★24'28 0 ≈ 28 26 ★39 3 ↑ 2 3 1 38 9 ★45 10 35 9 10°24'42 15° 0 27° 6 4°16 4°10 10° 0 10 39 5 11°24'55 29°57 27°23 5°30 4°42 10°14 10°19 10 43 2 12°25'06 15 ★ 9 27°R30 6°44 5°14 10°29 10 46 59 13°25'14 0 ↑ 26 27°29 7°58 5°46 10°43 10 50 55 14°25'21 15°38 27°18 9°12 6°18 10°58 10 54 52 15°25'26 0 33 26°58 10°26 6°50 11°12 10 58 48 16°25'29 15° 4 26°30 11°40 7°23 11°27 11 2 45 17°25'30 29° 9 25°54 12°54 7°55 11°41 10 641 18°25'25 12 146 25°12 14° 8 8°28 11°56 11 10 38 19°25'25 25°58 24°24 15°22 9° 1 12°10 11 14 34 20°25'19 8 48 48 23°32 16°35 9°33 12°24 11 18 31 21°25'11 21°20 22°37 17°49 10° 6 12°39 11 22 28 22°25'00 3 0 3 0 39 21°39 19° 3 10°39 12°53 11 30 21 24°24'33 27°49 19°44 21°30 11°45 13°22 11 34 17 25°24'16 9 14 18°49 22°43 12°19 13°36 11 38 14 26°23'58 21°41 17°57 23°57 12°52 13°51 11 42 10 27°23'37 3 3 3 3 4 17° 8 25°10 13°25 14° 5 11°48 11 57 56 1°21'54 21°20 14°44 0 3 15°39 15° 2 12°15 15° 50 3°20'51 15°55 14° 7 2°29 16°47 15°30 12° 946 4°20'18 28°35 13°58 3°42 17°20 15°44 12°39 16°35 9°35 15° 6 14°48 11 57 56 1°21'54 21°20 14°44 0 3 15°39 15° 2 12°15 15° 56 12°15 28°35 13°58 3°42 17°20 15°44 12°33 11°56 12°53 3°20'51 15°55 14° 7 2°29 16°47 15°30 12°54 12°13 34 3 5°19'42 11°36 13°D54 4°55 17°54 15°58 12°13 43 5°19'42 11°36 13°D54 4°55 17°54 15°58 12°13 47°15 28°57 14°15 28°57 14°20 15°44 12°13 15°16 16°13 15°16 12°13 13°15 16°16 13°15 15°16 12°13 13°15 16°16 13°15 15°16 12°13 13°15 16°16 13°15 15°16 12°13 13°15 16°16 13°15°16 12°13 13°15 13° | 10 31 12 9 € 24′28 0 ≈ 28 26 € 39 3 № 2 3 № 38 9 € 45 7 ₹ 25 10 35 9 10°24′42 15° 0 27° 6 4°16 4°10 10° 0 7°27 10 39 5 11°24′55 29°57 27°23 5°30 4°42 10°14 7°29 10 43 2 12°25′06 15 € 9 27°R30 6°44 5°14 10°29 7°30 10 46 59 13°25′14 0 № 26 27°29 7°58 5°46 10°43 7°31 10 50 55 14°25′21 15°38 27°18 9°12 6°18 10°58 7°33 10 54 52 15°25′26 0 ♂33 26°58 10°26 6°50 11°12 7°34 10 58 48 16°25′29 15° 4 26°30 11°40 7°23 11°27 7°35 11 2 45 17°25′30 29° 9 25°54 12°54 7°55 11°41 7°36 11 641 18°25′28 12 № 6 25°12 14° 8 8°28 11°56 7°37 11 10 38 19°25′25 25°58 24°24 15°22 9° 1 12°10 7°38 11 14 34 20°25′19 8 № 48 23°32 16°35 9°33 12°24 7°38 11 22 28 22°25′00 3 № 32 21°39 19° 3 10°39 12°53 7°39 11 22 28 22°25′00 3 № 3 21°39 19° 3 10°39 12°53 7°39 11 38 14 26°23′58 21°41 17°57 23°57 12°52 13°51 7°40 11 38 14 26°23′58 21°41 17°57 23°57 12°52 13°51 7°40 11 38 14 26°23′58 21°41 17°57 23°57 12°52 13°51 7°40 11 38 14 26°23′58 21°41 17°57 23°57 12°52 13°51 7°40 11 42 10 27°23′37 3 № 34 17° 8 25°10 13°25 14° 5 7°40 11 42 10 27°23′37 3 № 34 17° 8 25°10 13°25 14° 5 7°40 11 54 0 0 № 22′22 9 № 18 15°12 28°50 15° 6 14°48 7°39 11 57 56 1°21′54 21°20 14°44 0 3 15°39 15° 2 7°39 11 57 56 1°21′54 21°20 14°44 0 3 15°39 15° 2 7°39 11 57 56 1°21′54 21°20 14°44 0 3 15°39 15° 2 7°39 11 57 56 1°21′54 21°20 14°44 0 3 15°39 15° 2 7°39 11 57 56 1°21′54 21°20 14°44 0 3 15°39 15° 2 7°39 12 15°45 21°23 3 № 31 14°23 1°16 16°13 15°16 7°38 12 550 3°20′51 15°55 14° 7°22 11°54 15°30 7°38 12 25°50 3°20′51 15°55 14° 7°22 11°54 15°58 7°36 12°13 47°45 21°20 14°44 0 3 15°39 15° 2 7°39 12 15°45 21°23 3 № 31 14°23 1°16 16°13 15°16 7°38 12 15°30 7°142 11 33°57 6°8 18°28 16°12 7°35 12°25 32 8°17′45 23°20 14°18 8°34 19°36 16°40 7°33 12°25 32 8°17′45 23°20 14°18 8°34 19°36 16°40 7°33 | 10 31 12 9 ★24'28 0 ≈ 28 26 ★39 3 Ŷ 2 3 138 9 ★45 7 ₹25 28 ★16 10 35 9 10°24'42 15° 0 27° 6 4°16 4°10 10° 0 7°27 28°19 10°39 5 11°24'55 29°57 27°23 5°30 4°42 10°14 7°29 28°22 10 43 2 12°25'06 15 ★ 9 27°R30 6°44 5°14 10°29 7°30 28°26 10 46 59 13°25'14 0 Ŷ 26 27°29 7°58 5°46 10°43 7°31 28°29 10 50 55 14°25'25 0 33 26°58 10°26 6°50 11°12 7°34 28°36 10 54 52 15°25'26 0 33 26°58 10°26 6°50 11°12 7°34 28°36 10 54 52 15°25'29 15° 4 26°30 11°40 7°25 11°21 7°35 28°39 11°245 17°25'30 29° 9 25°54 12°54 7°55 11°41 7°36 28°42 11°64 1 18°25'28 12 146 25°12 14° 8 8°28 11°56 7°37 28°46 11°13 8 19°25'25 25°58 24°24 15°22 9° 1 12°10 7°38 28°49 11°43 4 20°25'19 8 6 48 23°32 16°35 9°33 12°24 7°38 28°53 11°36 24°24'48 15°47 20°42 20°16 11°12 13° 8 7°40 29° 3 11°30 21 24°24'33 27°49 19°44 21°30 11°45 13°22 7°40 29° 1 13°16 7°40 29° 1 13°17 25°24'16 9 14 18°40 11°18 11°18 11°25 11° 11° 10° 11° 11° 11° 11° 11° 11° 11° | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 10 31 12 9 ★24'28 0 ≈ 28 26 ★39 3 ♥ 2 3 ₩38 9 ★45 7 ₹25 28 ★16 25 ® 14 13 ® 56 10 35 9 10 ° 24'42 15 ° 0 27 ° 6 4 ° 16 4 ° 10 10 ° 0 7 ° 27 28 ° 19 25 € 12 13 № 55 10 39 5 11 ° 24'55 29 ° 57 27 ° 23 5 ° 30 4 ° 42 10 ° 14 7 ° 29 28 ° 22 25 ° 11 13 ° 54 10 43 2 12 ° 25 ′ 16 15 ₩ 9 27 ° 83 0 6 ° 44 5 ° 14 10 ° 29 7 ° 30 28 ° 22 25 ° 11 13 ° 54 10 46 59 13 ° 25 ′ 14 0 ° 26 6 ° 27 ° 29 7 ° 58 5 ° 46 10 ° 43 7 ° 31 28 ° 29 25 ° 7 13 ° 53 10 5 6 55 14 ° 25 ′ 21 15 ° 38 27 ° 18 9 ° 12 6 ° 18 10 ° 58 7 ° 33 28 ° 32 25 ° 6 13 ° 53 10 5 4 5 2 15 ° 25 ′ 26 0 ⅓ 33 26 ° 58 10 ° 26 6 ° 50 11 ° 12 7 ° 34 28 ° 36 25 ° 4 13 ° 52 11 24 5 17 ° 25 ′ 30 29 ° 9 25 ° 54 12 ° 54 4 7 ° 55 11 ° 41 7 ° 36 28 ° 42 25 ° 1 13 ° 51 11 0 38 19 ° 25 ′ 28 ′ 22 ° 29 ° 1 12 ° 10 7 ° 38 28 ° 49 24 ° 58 11 ° 14 8 8 ° 28 11 ° 6 7 ° 37 28 ° 46 25 ° 0 13 ° 51 11 43 4 20 ° 25 ′ 19 8 € 4 23 ° 32 16 ° 35 9 ° 33 12 ° 24 7 ° 38 28 ° 32 24 ° 55 13 ° 50 11 14 34 20 ° 25 ′ 11 2 ° 20 22 ° 37 17 ° 49 10 ° 6 12 ° 39 7 ° 39 28 ° 53 24 ° 55 13 ° 49 11 22 28 22 ° 25 ′ 00 3 € 30 39 21 ° 39 19 ° 3 10 ° 39 12 ° 53 7 ° 39 28 ° 59 24 ° 54 13 ° 48 11 34 17 25 ° 24 ′ 16 9 № 44 21 ° 30 11 ° 45 7 ° 40 29 ° 6 24 ° 51 13 ° 48 11 34 17 25 ° 24 ′ 16 9 № 44 21 ° 30 11 ° 45 7 ° 40 29 ° 6 24 ° 51 13 ° 48 11 34 17 25 ° 24 ′ 16 9 № 44 21 ° 30 11 ° 45 7 ° 40 29 ° 6 24 ° 51 13 ° 48 11 34 17 25 ° 24 ′ 16 18 ° 49 22 ° 3 11 ° 25 7 ° 34 29 ° 24 ° 54 13 ° 48 11 34 17 25 ° 24 ′ 16 18 ° 49 22 ° 3 11 ° 35 7 ° 34 29 ° 24 ° 54 13 ° 48 11 34 17 25 ° 24 ′ 16 18 ° 49 22 ° 3 11 ° 45 7 ° 40 29 ° 6 24 ° 51 13 ° 48 11 34 17 25 ° 24 ′ 16 18 ° 49 22 ° 3 11 ° 45 7 ° 40 29 ° 7 24 ° 44 13 ° 47 11 5 ′ 6 10 ° 24 26 ° 25 ° 3 13 ° 58 14 ° 7 ° 7 ° 7 ° 7 ° 7 ° 7 ° 7 ° 7 ° 7 ° | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ |

Delta T = 24.22 sec

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| Day  | Sid.t    | 0                 | D               | ğ                | φ              | ď              | 4              | ħ              | )f(           | ¥              | В      | v      | Ω     | Ç             | ę,            | Day  |
|------|----------|-------------------|-----------------|------------------|----------------|----------------|----------------|----------------|---------------|----------------|--------|--------|-------|---------------|---------------|------|
| F 1  | 12 33 25 | 10 <b>Υ</b> 16'17 | 23 <b>)</b> 18  | 14 <b>) (</b> 59 | 10 <b>8</b> 59 | 20 <b>Ⅱ</b> 44 | 17 <b>)</b> 8  | 7°R30          | 0 <b>Υ</b> 1  | 24°R31         | 139547 | 1°R43  | 29512 | 2 <b>≏</b> 58 | 0 <b>8</b> 23 | F 1  |
| S 2  | 12 37 22 | 11°15'31          | 8 <b>Y</b> 38   | 15°27            | 12°12          | 21°19          | 17°22          | 7 <b>.₹</b> 29 | 0° 4          | 24⋒30          | 13°47  | 19532  | 2° 9  | 3° 5          | 0°26          | S 2  |
| S 3  | 12 41 19 | 12°14'42          | 23°56           | 15°59            | 13°25          | 21°53          | 17°36          | 7°27           | 0°8           | 24°29          | 13°47  | 1°21   | 2° 6  | 3°11          | 0°30          | S 3  |
| M 4  | 12 45 15 | 13°13'51          | 9 <b>8</b> 1    | 16°35            | 14°37          | 22°27          | 17°50          | 7°26           | 0°11          | 24°28          | 13°47  | 1°12   | 2° 3  | 3°18          | 0°33          | M 4  |
| T 5  | 12 49 12 | 14°12'58          | 23°45           | 17°15            | 15°50          | 23° 2          | 18° 4          | 7°24           | 0°14          | 24°27          | 13°47  | 1° 5   | 2° 0  | 3°25          | 0°37          | T 5  |
| W 6  | 12 53 8  | 15°12'03          | 8 <b>I</b> 1    | 17°59            | 17° 2          | 23°36          | 18°17          | 7°22           | 0°18          | 24°26          | 13°47  | 1° 1   | 1°57  | 3°31          | 0°41          | W 6  |
| T 7  | 12 57 5  | 16°11'06          | 21°48           | 18°47            | 18°14          | 24°11          | 18°31          | 7°20           | 0°21          | 24°25          | 13°48  | 0°59   | 1°53  | 3°38          | 0°44          | T 7  |
| F 8  | 13 1 1   | 17°10'06          | 5 <b>95</b> 6   | 19°37            | 19°27          | 24°45          | 18°45          | 7°18           | 0°24          | 24°24          | 13°48  | 0°D59  | 1°50  | 3°45          | 0°48          | F 8  |
| S 9  | 13 4 58  | 18° 9'04          | 17°59           | 20°31            | 20°39          | 25°20          | 18°58          | 7°16           | 0°28          | 24°23          | 13°48  | 0°R59  | 1°47  | 3°52          | 0°51          | S 9  |
| S 10 | 13 8 54  | 19° 8'00          | 0 <b>Ω</b> 31   | 21°28            | 21°51          | 25°54          | 19°12          | 7°14           | 0°31          | 24°22          | 13°48  | 0°59   | 1°44  | 3°58          | 0°55          | S 10 |
| M11  | 13 12 51 | 20° 6'54          | 12°47           | 22°28            | 23° 3          | 26°29          | 19°25          | 7°12           | 0°34          | 24°22          | 13°49  | 0°56   | 1°41  | 4° 5          | 0°59          | M11  |
| T 12 | 13 16 48 | 21° 5'45          | 24°51           | 23°31            | 24°15          | 27° 4          | 19°39          | 7°10           | 0°38          | 24°21          | 13°49  | 0°52   | 1°38  | 4°12          | 1° 2          | T 12 |
| W13  | 13 20 44 | 22° 4'34          | 6 <b>m</b> 48   | 24°36            | 25°27          | 27°38          | 19°52          | 7° 7           | 0°41          | 24°20          | 13°49  | 0°44   | 1°34  | 4°19          | 1° 6          | W13  |
| T 14 | 13 24 41 | 23° 3'20          | 18°41           | 25°44            | 26°39          | 28°13          | 20° 5          | 7° 5           | 0°44          | 24°19          | 13°50  | 0°34   | 1°31  | 4°25          | 1°10          | T 14 |
| F 15 | 13 28 37 | 24° 2'05          | 0 <b>ჲ</b> 33   | 26°54            | 27°50          | 28°48          | 20°19          | 7° 2           | 0°47          | 24°19          | 13°50  | 0°23   | 1°28  | 4°32          | 1°13          | F 15 |
| S 16 | 13 32 34 | 25° 0'47          | 12°26           | 28° 6            | 29° 2          | 29°23          | 20°32          | 6°59           | 0°51          | 24°18          | 13°51  | 0°10   | 1°25  | 4°39          | 1°17          | S 16 |
| S 17 | 13 36 30 | 25°59'27          | 24°21           | 29°21            | 0 <b>Ⅱ</b> 14  | 29°58          | 20°45          | 6°57           | 0°54          | 24°17          | 13°51  | 29Ⅲ58  | 1°22  | 4°45          | 1°21          | S 17 |
| M18  | 13 40 27 | 26°58'06          | 6M20            | 0 <b>Ƴ</b> 37    | 1°25           | 0ഇ33           | 20°58          | 6°54           | 0°57          | 24°17          | 13°51  | 29°47  | 1°18  | 4°52          | 1°25          | M18  |
| T 19 | 13 44 23 | 27°56'42          | 18°25           | 1°56             | 2°37           | 1° 8           | 21°11          | 6°51           | 1° 0          | 24°16          | 13°52  | 29°38  | 1°15  | 4°59          | 1°28          | T 19 |
| W20  | 13 48 20 | 28°55'17          | 0 <b>₮</b> 36   | 3°17             | 3°48           | 1°43           | 21°24          | 6°48           | 1° 3          | 24°16          | 13°52  | 29°32  | 1°12  | 5° 6          | 1°32          | W20  |
| T 21 | 13 52 17 | 29°53'50          | 12°57           | 4°40             | 4°59           | 2°18           | 21°37          | 6°45           | 1° 6          | 24°15          | 13°53  | 29°28  | 1° 9  | 5°12          | 1°36          | T 21 |
| F 22 | 13 56 13 | 0 <b>8</b> 52'22  | 25°28           | 6° 5             | 6°10           | 2°53           | 21°50          | 6°42           | 1° 9          | 24°15          | 13°54  | 29°D27 | 1° 6  | 5°19          | 1°39          | F 22 |
| S 23 | 14 0 10  | 1°50'51           | 8 <b>궁</b> 13   | 7°32             | 7°21           | 3°28           | 22° 2          | 6°39           | 1°12          | 24°14          | 13°54  | 29°27  | 1° 3  | 5°26          | 1°43          | S 23 |
| S 24 | 14 4 6   | 2°49'19           | 21°16           | 9° 0             | 8°33           | 4° 3           | 22°15          | 6°35           | 1°15          | 24°14          | 13°55  | 29°28  | 0°59  | 5°33          | 1°47          | S 24 |
| M25  | 14 8 3   | 3°47'46           | 4≈40            | 10°31            | 9°43           | 4°38           | 22°28          | 6°32           | 1°19          | 24°13          | 13°55  | 29°R28 | 0°56  | 5°39          | 1°51          | M25  |
| T 26 | 14 11 59 | 4°46'11           | 18°26           | 12° 3            | 10°54          | 5°14           | 22°40          | 6°29           | 1°22          | 24°13          | 13°56  | 29°27  | 0°53  | 5°46          | 1°54          | T 26 |
| W27  | 14 15 56 | 5°44'34           | 2 <b>) (</b> 37 | 13°37            | 12° 5          | 5°49           | 22°53          | 6°25           | 1°24          | 24°13          | 13°57  | 29°24  | 0°50  | 5°53          | 1°58          | W27  |
| T 28 | 14 19 52 | 6°42'55           | 17°11           | 15°13            | 13°16          | 6°24           | 23° 5          | 6°22           | 1°27          | 24°13          | 13°57  | 29°20  | 0°47  | 5°59          | 2° 2          | T 28 |
| F 29 | 14 23 49 | 7°41'15           | 2 <b>Y</b> 3    | 16°51            | 14°26          | 7° 0           | 23°18          | 6°18           | 1°30          | 24°12          | 13°58  | 29°13  | 0°43  | 6° 6          | 2° 5          | F 29 |
| S 30 | 14 27 46 | 8 <b>8</b> 39'34  | 17 <b>Y</b> 7   | 18 <b>Y</b> 31   | 15 <b>耳</b> 37 | 7 <b>93</b> 35 | 23 <b>米</b> 30 | 6 <b>₹</b> 14  | 1 <b>Y</b> 33 | 24 <b>Ω</b> 12 | 139559 | 29耳 5  | 09540 | 6 <b>₽</b> 13 | 2 <b>8</b> 9  | S 30 |

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| Day  | Sid.t    | 0                | D               | ğ              | ·              | ♂     | 4                | ħ              | )f(           | ħ              | В      | u               | Ω     | Ç             | Ş.            | Day  |
|------|----------|------------------|-----------------|----------------|----------------|-------|------------------|----------------|---------------|----------------|--------|-----------------|-------|---------------|---------------|------|
| S 1  | 14 31 42 | 9 <b>8</b> 37'51 | 2 <b>8</b> 13   | 20 <b>Y</b> 12 | 16 <b>Ⅱ</b> 47 | 8910  | 23 <b>) (</b> 42 | 6°R11          | 1 <b>Y</b> 36 | 24°R12         | 1495 0 | 28°R58          | 0937  | 6 <b>₽</b> 20 | 2 <b>8</b> 13 | S 1  |
| M 2  | 14 35 39 | 10°36'06         | 17°12           | 21°55          | 17°58          | 8°46  | 23°54            | 6 <b>∡</b> 7 7 | 1°39          | 24 <b>Ω</b> 12 | 14° 0  | 28耳51           | 0°34  | 6°26          | 2°17          | M 2  |
| T 3  | 14 39 35 | 11°34'19         | 1 <b>Ⅱ</b> 54   | 23°40          | 19° 8          | 9°21  | 24° 6            | 6° 3           | 1°42          | 24°12          | 14° 1  | 28°47           | 0°31  | 6°33          | 2°20          | T 3  |
| W 4  | 14 43 32 | 12°32'31         | 16°13           | 25°27          | 20°18          | 9°57  | 24°18            | 5°59           | 1°45          | 24°12          | 14° 2  | 28°44           | 0°28  | 6°40          | 2°24          | W 4  |
| T 5  | 14 47 28 | 13°30'41         | 0ණ 5            | 27°16          | 21°28          | 10°32 | 24°30            | 5°55           | 1°47          | 24°11          | 14° 3  | 28°D43          | 0°24  | 6°46          | 2°28          | T 5  |
| F 6  | 14 51 25 | 14°28'48         | 13°30           | 29° 7          | 22°38          | 11° 8 | 24°42            | 5°51           | 1°50          | 24°D11         | 14° 4  | 28°44           | 0°21  | 6°53          | 2°31          | F 6  |
| S 7  | 14 55 21 | 15°26'54         | 26°28           | 0 <b>8</b> 59  | 23°48          | 11°43 | 24°53            | 5°47           | 1°53          | 24°11          | 14° 5  | 28°45           | 0°18  | 7° 0          | 2°35          | S 7  |
| S 8  | 14 59 18 | 16°24'58         | 9⋒ 5            | 2°53           | 24°58          | 12°19 | 25° 5            | 5°43           | 1°56          | 24°12          | 14° 6  | 28°46           | 0°15  | 7° 7          | 2°39          | S 8  |
| M 9  | 15 3 15  | 17°23'00         | 21°24           | 4°49           | 26° 7          | 12°55 | 25°16            | 5°39           | 1°58          | 24°12          | 14° 6  | 28°R47          | 0°12  | 7°13          | 2°42          | M 9  |
| T 10 | 15 7 11  | 18°21'00         | 3 <b>m</b> 29   | 6°47           | 27°17          | 13°30 | 25°28            | 5°35           | 2° 1          | 24°12          | 14° 7  | 28°45           | 0° 9  | 7°20          | 2°46          | T 10 |
| W11  | 15 11 8  | 19°18'58         | 15°26           | 8°46           | 28°26          | 14° 6 | 25°39            | 5°31           | 2° 3          | 24°12          | 14° 8  | 28°42           | 0° 5  | 7°27          | 2°50          | W11  |
| T 12 | 15 15 4  | 20°16'55         | 27°18           | 10°48          | 29°35          | 14°42 | 25°50            | 5°27           | 2° 6          | 24°12          | 14° 9  | 28°38           | 0° 2  | 7°34          | 2°53          | T 12 |
| F 13 | 15 19 1  | 21°14'49         | 9 <b>≏</b> 10   | 12°51          | 09୍ଦେ44        | 15°18 | 26° 2            | 5°22           | 2° 8          | 24°12          | 14°10  | 28°32           | 29∏59 | 7°40          | 2°57          | F 13 |
| S 14 | 15 22 57 | 22°12'42         | 21° 5           | 14°55          | 1°54           | 15°53 | 26°13            | 5°18           | 2°11          | 24°13          | 14°11  | 28°25           | 29°56 | 7°47          | 3° 0          | S 14 |
| S 15 | 15 26 54 | 23°10'33         | 3M 5            | 17° 1          | 3° 2           | 16°29 | 26°24            | 5°14           | 2°13          | 24°13          | 14°12  | 28°19           | 29°53 | 7°54          | 3° 4          | S 15 |
| M16  | 15 30 50 | 24° 8'23         | 15°12           | 19° 8          | 4°11           | 17° 5 | 26°34            | 5°10           | 2°16          | 24°13          | 14°13  | 28°13           | 29°49 | 8° 0          | 3° 7          | M16  |
| T 17 | 15 34 47 | 25° 6'11         | 27°27           | 21°17          | 5°20           | 17°41 | 26°45            | 5° 5           | 2°18          | 24°13          | 14°15  | 28° 9           | 29°46 | 8° 7          | 3°11          | T 17 |
| W18  | 15 38 44 | 26° 3'58         | 9 <b>₹</b> 52   | 23°27          | 6°28           | 18°17 | 26°56            | 5° 1           | 2°21          | 24°14          | 14°16  | 28° 6           | 29°43 | 8°14          | 3°14          | W18  |
| T 19 | 15 42 40 | 27° 1'44         | 2 <u>2</u> °28  | 25°37          | 7°37           | 18°52 | 27° 6            | 4°56           | 2°23          | 24°14          | 14°17  | 28°D 4          | 29°40 | 8°21          | 3°18          | T 19 |
| F 20 | 15 46 37 | 27°59'28         | 5 <b>궁</b> 16   | 27°48          | 8°45           | 19°28 | 27°17            | 4°52           | 2°25          | 24°15          | 14°18  | 28° 4           | 29°37 | 8°27          | 3°21          | F 20 |
| S 21 | 15 50 33 | 28°57'11         | 18°16           | 29°59          | 9°53           | 20° 4 | 27°27            | 4°48           | 2°27          | 24°15          | 14°19  | 28° 5           | 29°34 | 8°34          | 3°25          | S 21 |
| S 22 | 15 54 30 | 29°54'53         | 1≈31            | 2 <b>I</b> I11 | 11° 1          | 20°40 | 27°37            | 4°43           | 2°30          | 24°16          | 14°20  | 28° 7           | 29°30 | 8°41          | 3°28          | S 22 |
| M23  | 15 58 26 | 0∏52'34          | 15° 2           | 4°23           | 12° 9          | 21°16 | 27°47            | 4°39           | 2°32          | 24°16          | 14°21  | 28° 8           | 29°27 | 8°47          | 3°32          | M23  |
| T 24 | 16 2 23  | 1°50'13          | 28°49           | 6°34           | 13°17          | 21°52 | 27°57            | 4°34           | 2°34          | 24°17          | 14°22  | 28°R 9          | 29°24 | 8°54          | 3°35          | T 24 |
| W25  | 16 6 19  | 2°47'52          | 12 <b>)</b> 53  | 8°44           | 14°24          | 22°28 | 28° 7            | 4°30           | 2°36          | 24°17          | 14°24  | 28° 9           | 29°21 | 9° 1          | 3°38          | W25  |
| T 26 | 16 10 16 | 3°45'30          | 27°13           | 10°53          | 15°31          | 23° 4 | 28°17            | 4°25           | 2°38          | 24°18          | 14°25  | 28° 7           | 29°18 | 9° 8          | 3°42          | T 26 |
| F 27 | 16 14 13 | 4°43'07          | 11 <b>Y</b> 45  | 13° 1          | 16°39          | 23°40 | 28°27            | 4°21           | 2°40          | 24°19          | 14°26  | 28° 5           | 29°15 | 9°14          | 3°45          | F 27 |
| S 28 | 16 18 9  | 5°40'43          | 26°25           | 15° 8          | 17°46          | 24°16 | 28°36            | 4°16           | 2°42          | 24°19          | 14°27  | 28° 2           | 29°11 | 9°21          | 3°48          | S 28 |
| S 29 | 16 22 6  | 6°38'18          | 118 8           | 17°13          | 18°53          | 24°53 | 28°46            | 4°12           | 2°44          | 24°20          | 14°29  | 27°59           | 29° 8 | 9°28          | 3°52          | S 29 |
| M30  | 16 26 2  | 7°35'52          | 25°45           | 19°16          | 20° 0          | 25°29 | 28°55            | 4° 7           | 2°46          | 24°21          | 14°30  | 27°57           | 29° 5 | 9°35          | 3°55          | M30  |
| T 31 | 16 29 59 | 8 <b>Ⅱ</b> 33'25 | 10 <b>I</b> I10 | 21 <b>I</b> I7 | 2199 6         | 269 5 | 29 <b>米</b> 4    | 4 <b>水</b> 3   | 2 <b>Υ</b> 48 | 24 <b>Ω</b> 22 | 14931  | 27 <b>II</b> 55 | 29耳 2 | 9 <b>≏</b> 41 | 3 <b>8</b> 58 | T 31 |

Delta T = 24.24 sec

JUNE 1927 00:00 UT

| Day  | Sid.t    | 0        | D               | ğ               | φ              | ď             | 4              | ħ              | )Å(           | ¥              | В      | ₽.             | v              | Ç             | ę,            | Day  |
|------|----------|----------|-----------------|-----------------|----------------|---------------|----------------|----------------|---------------|----------------|--------|----------------|----------------|---------------|---------------|------|
| W 1  | 16 33 55 | 9∏30'58  | 24∏19           | 23 <b>I</b> I16 | 229513         | 269541        | 29 <b>)</b> 13 | 3°R59          | 2 <b>Υ</b> 50 | 24€22          | 14932  | 27°D54         | 28耳59          | 9 <b>≙</b> 48 | 4 <b>8</b> 1  | W 1  |
| T 2  | 16 37 52 | 10°28'29 | 8 <b>9</b> 5    | 25°12           | 23°19          | 27°17         | 29°22          | 3 <b>,</b> ₹54 | 2°51          | 24°23          | 14°34  | 27 <b>Ⅱ</b> 55 | 28°55          | 9°55          | 4° 4          | T 2  |
| F 3  | 16 41 48 | 11°25'58 | 21°29           | 27° 6           | 24°25          | 27°54         | 29°31          | 3°50           | 2°53          | 24°24          | 14°35  | 27°56          | 28°52          | 10° 1         | 4° 8          | F 3  |
| S 4  | 16 45 45 | 12°23'27 | 4 <b>Ω</b> 30   | 28°58           | 25°31          | 28°30         | 29°40          | 3°45           | 2°55          | 24°25          | 14°36  | 27°57          | 28°49          | 10° 8         | 4°11          | S 4  |
| S 5  | 16 49 42 | 13°20'54 | 17°10           | 09647           | 26°36          | 29° 6         | 29°48          | 3°41           | 2°56          | 24°26          | 14°38  | 27°58          | 28°46          | 10°15         | 4°14          | S 5  |
| M 6  | 16 53 38 | 14°18'21 | 29°32           | 2°33            | 27°42          | 29°42         | 29°56          | 3°37           | 2°58          | 24°27          | 14°39  | 27°59          | 28°43          | 10°22         | 4°17          | M 6  |
| T 7  | 16 57 35 | 15°15'45 | 11 <b>Mp</b> 40 | 4°17            | 28°47          | 0 <b>Ω</b> 19 | 0 <b>Υ</b> 5   | 3°32           | 3° 0          | 24°28          | 14°40  | 27°R59         | 28°40          | 10°28         | 4°20          | T 7  |
| W 8  | 17 131   | 16°13'09 | 23°38           | 5°58            | 29°52          | 0°55          | 0°13           | 3°28           | 3° 1          | 24°29          | 14°42  | 27°59          | 28°36          | 10°35         | 4°23          | W 8  |
| T 9  | 17 5 28  | 17°10'32 | 5 <b>≏</b> 32   | 7°37            | 0 <b>Ω</b> 57  | 1°31          | 0°21           | 3°24           | 3° 2          | 24°30          | 14°43  | 27°59          | 28°33          | 10°42         | 4°26          | T 9  |
| F 10 | 17 9 24  | 18° 7'54 | 17°25           | 9°12            | 2° 2           | 2° 8          | 0°29           | 3°19           | 3° 4          | 24°31          | 14°45  | 27°58          | 28°30          | 10°48         | 4°29          | F 10 |
| S 11 | 17 13 21 | 19° 5'14 | 29°22           | 10°46           | 3° 6           | 2°44          | 0°36           | 3°15           | 3° 5          | 24°32          | 14°46  | 27°57          | 28°27          | 10°55         | 4°32          | S 11 |
| S 12 | 17 17 17 | 20° 2'34 | 11 <b>M</b> 26  | 12°16           | 4°10           | 3°21          | 0°44           | 3°11           | 3° 7          | 24°33          | 14°47  | 27°55          | 28°24          | 11° 2         | 4°35          | S 12 |
| M13  | 17 21 14 | 20°59'53 | 23°40           | 13°43           | 5°14           | 3°57          | 0°51           | 3° 7           | 3° 8          | 24°35          | 14°49  | 27°54          | 28°21          | 11° 9         | 4°37          | M13  |
| T 14 | 17 25 11 | 21°57'11 | 6 <b>≯</b> 7    | 15° 8           | 6°18           | 4°34          | 0°59           | 3° 3           | 3° 9          | 24°36          | 14°50  | 27°54          | 28°17          | 11°15         | 4°40          | T 14 |
| W15  | 17 29 7  | 22°54'28 | 18°47           | 16°30           | 7°21           | 5°10          | 1° 6           | 2°59           | 3°10          | 24°37          | 14°52  | 27°53          | 28°14          | 11°22         | 4°43          | W15  |
| T 16 | 17 33 4  | 23°51'45 | 1 <b>る</b> 42   | 17°49           | 8°25           | 5°47          | 1°13           | 2°55           | 3°11          | 24°38          | 14°53  | 27°D53         | 28°11          | 11°29         | 4°46          | T 16 |
| F 17 | 17 37 0  | 24°49'01 | 14°52           | 19° 5           | 9°27           | 6°23          | 1°19           | 2°51           | 3°13          | 24°40          | 14°55  | 27°54          | 28° 8          | 11°36         | 4°48          | F 17 |
| S 18 | 17 40 57 | 25°46'17 | 28°16           | 20°18           | 10°30          | 7° 0          | 1°26           | 2°47           | 3°14          | 24°41          | 14°56  | 27°54          | 28° 5          | 11°42         | 4°51          | S 18 |
| S 19 | 17 44 53 | 26°43'32 | 11 <b>≈</b> 53  | 21°28           | 11°32          | 7°36          | 1°33           | 2°43           | 3°15          | 24°42          | 14°58  | 27°54          | 28° 1          | 11°49         | 4°54          | S 19 |
| M20  | 17 48 50 | 27°40'47 | 25°42           | 22°35           | 12°34          | 8°13          | 1°39           | 2°39           | 3°16          | 24°44          | 14°59  | 27°R54         | 27°58          | 11°56         | 4°56          | M20  |
| T 21 | 17 52 46 | 28°38'02 | 9 <b>米</b> 41   | 23°39           | 13°36          | 8°49          | 1°45           | 2°35           | 3°17          | 24°45          | 15° 1  | 27°54          | 27°55          | 12° 2         | 4°59          | T 21 |
| W22  | 17 56 43 | 29°35'16 | 23°48           | 24°40           | 14°38          | 9°26          | 1°51           | 2°31           | 3°17          | 24°46          | 15° 2  | 27°D54         | 27°52          | 12° 9         | 5° 1          | W22  |
| T 23 | 18 0 40  | 0932'31  | 8 <b>Y</b> 1    | 25°37           | 15°39          | 10° 3         | 1°57           | 2°28           | 3°18          | 24°48          | 15° 4  | 27°54          | 27°49          | 12°16         | 5° 4          | T 23 |
| F 24 | 18 4 36  | 1°29'45  | 22°19           | 26°31           | 16°40          | 10°39         | 2° 3           | 2°24           | 3°19          | 24°49          | 15° 5  | 27°54          | 27°46          | 12°23         | 5° 6          | F 24 |
| S 25 | 18 8 33  | 2°26'59  | 6 <b>8</b> 37   | 27°22           | 17°40          | 11°16         | 2° 8           | 2°21           | 3°20          | 24°51          | 15° 7  | 27°54          | 27°42          | 12°29         | 5° 8          | S 25 |
| S 26 | 18 12 29 | 3°24'14  | 20°53           | 28° 9           | 18°40          | 11°53         | 2°14           | 2°17           | 3°20          | 24°52          | 15° 8  | 27°55          | 27°39          | 12°36         | 5°11          | S 26 |
| M27  | 18 16 26 | 4°21'28  | 5 <b>II</b> 2   | 28°52           | 19°40          | 12°30         | 2°19           | 2°14           | 3°21          | 24°54          | 15°10  | 27°55          | 27°36          | 12°43         | 5°13          | M27  |
| T 28 | 18 20 22 | 5°18'42  | 19° 2           | 29°31           | 20°40          | 13° 6         | 2°24           | 2°10           | 3°22          | 24°55          | 15°11  | 27°56          | 27°33          | 12°49         | 5°15          | T 28 |
| W29  | 18 24 19 | 6°15'56  | 2 <b>9</b> 49   | 0Ω 6            | 21°39          | 13°43         | 2°29           | 2° 7           | 3°22          | 24°57          | 15°13  | 27°R56         | 27°30          | 12°56         | 5°18          | W29  |
| T 30 | 18 28 16 | 79513'10 | 169520          | 0 <b>Ω</b> 37   | 22 <b>Ω</b> 37 | $14\Omega 20$ | 2 <b>Υ</b> 34  | 2 <b>,</b> ₹ 4 | 3 <b>℃</b> 23 | 24 <b>Ω</b> 59 | 159914 | 27 <b>Ⅱ</b> 55 | 27 <b>Ⅲ</b> 27 | 13 <b>₾</b> 3 | 5 <b>8</b> 20 | T 30 |

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JULY 1927 00:00 UT

| Day          | Sid.t                | 0                    | D                       | ğ              | P               | ď              | 4             | ħ              | )f(           | ¥              | Р              | u               | v               | ţ              | ۸٥            | Day          |
|--------------|----------------------|----------------------|-------------------------|----------------|-----------------|----------------|---------------|----------------|---------------|----------------|----------------|-----------------|-----------------|----------------|---------------|--------------|
| F 1          | 18 32 12             | 8910'24              | 29934                   | 1 <b>0</b> 4   | 23 <b>N</b> 36  | 14 <b>Ω</b> 57 | 2 <b>Υ</b> 38 | 2°R 1          | <b>3</b> Υ23  | 25 <b>Ω</b> 0  | 15916          | 27°R55          | 27 <b>II</b> 23 | 13 <b>≏</b> 10 | 5 <b>8</b> 22 | F 1          |
| S 2          | 18 36 9              | 9° 7'37              | 12 <b>N</b> 29          | 1°27           | 24°34           | 15°34          | 2°42          | 1 <b>∡</b> 757 | 3°24          | 25° 2          | 15°17          | 27 <b>Ⅱ</b> 53  | 27°20           | 13°16          | 5°24          | S 2          |
| S 3          | 18 40 5              | 10° 4'50             | 25° 6                   | 1°45           | 25°31           | 16°11          | 2°47          | 1°54           | 3°24          | 25° 4          | 15°19          | 27°52           | 27°17           | 13°23          | 5°26          | S 3          |
| M 4          | 18 44 2              | 11° 2'03             | 7 m/28                  | 1°59           | 26°28           | 16°48          | 2°51          | 1°51           | 3°24          | 25° 5          | 15°20          | 27°50           | 27°14           | 13°30          | 5°28          | M 4          |
| T 5<br>W 6   | 18 47 58<br>18 51 55 | 11°59'16<br>12°56'28 | 19°37<br>1 <b>Ω</b> 36  | 2° 8<br>2°R13  | 27°25<br>28°21  | 17°25<br>18° 1 | 2°54<br>2°58  | 1°49<br>1°46   | 3°24<br>3°25  | 25° 7<br>25° 9 | 15°22<br>15°23 | 27°48<br>27°47  | 27°11<br>27° 7  | 13°36<br>13°43 | 5°30<br>5°32  | T 5<br>W 6   |
| T 7          | 18 55 51             | 13°53'40             | 13°30                   | 2°13           | 29°17           | 18°38          | 3° 1          | 1°43           | 3°25          | 25°10          | 15°25          | 27°D47          | 27° 4           | 13°50          | 5°34          | T 7          |
| F 8          | 18 59 48             | 14°50'52             | 25°23                   | 2° 8           | 0mp 12          | 19°15          | 3° 5          | 1°40           | 3°25          | 25°12          | 15°27          | 27°47           | 27° 1           | 13°57          | 5°35          | F 8          |
| S 9          | 19 3 45              | 15°48'04             | 7 <b>ጤ</b> 21           | 1°58           | 1° 6            | 19°52          | 3° 8          | 1°38           | 3°25          | 25°14          | 15°28          | 27°48           | 26°58           | 14° 3          | 5°37          | S 9          |
| S 10         | 19 741               | 16°45'16             | 19°27                   | 1°44           | 2° 0            | 20°30          | 3°11          | 1°35           | 3°R25         | 25°16          | 15°30          | 27°50           | 26°55           | 14°10          | 5°39          | S 10         |
| M11          | 19 11 38             | 17°42'27             | 1 <b>√</b> 145          | 1°25           | 2°54            | 21° 7          | 3°13          | 1°33           | 3°25          | 25°18          | 15°31          | 27°51           | 26°52           | 14°17          | 5°40          | M11          |
| T 12         | 19 15 34             | 18°39'39             | 14°20                   | 1° 3           | 3°47            | 21°44          | 3°16          | 1°30           | 3°25          | 25°19          | 15°33          | 27°52           | 26°48           | 14°23          | 5°42          | T 12         |
| W13<br>T 14  | 19 19 31<br>19 23 27 | 19°36'51<br>20°34'03 | 27°13<br>10 <b>♂</b> 26 | 0°36<br>0° 6   | 4°39<br>5°31    | 22°21<br>22°58 | 3°18<br>3°20  | 1°28<br>1°26   | 3°25          | 25°21<br>25°23 | 15°34<br>15°36 | 27°R53<br>27°52 | 26°45<br>26°42  | 14°30<br>14°37 | 5°44          | W13<br>T 14  |
| F 15         | 19 23 27             | 20°34'03<br>21°31'15 | 23°58                   | 29932          | 6°22            | 22°38<br>23°35 | 3°22          | 1°24           | 3°24<br>3°24  | 25°25          | 15°37          | 27°52<br>27°51  | 26°42<br>26°39  | 14°37          | 5°45<br>5°47  | F 15         |
| S 16         | 19 31 20             | 22°28'28             | 7 <b>≈</b> 48           | 28°56          | 7°12            | 24°12          | 3°24          | 1°22           | 3°24          | 25°27          | 15°39          | 27°48           | 26°36           | 14°50          | 5°48          | S 16         |
| S 17         | 19 35 17             | 23°25'41             | 21°53                   | 28°18          | 8° 2            | 24°49          | 3°26          | 1°20           | 3°24          | 25°29          | 15°40          | 27°45           | 26°33           | 14°57          | 5°49          | S 17         |
| M18          | 19 39 14             | 24°22'54             | 6 <b>₩</b> 7            | 27°38          | 8°51            | 25°27          | 3°27          | 1°18           | 3°23          | 25°31          | 15°42          | 27°41           | 26°29           | 15° 4          | 5°51          | M18          |
| T 19         | 19 43 10             | 25°20'08             | 20°27                   | 26°57          | 9°39            | 26° 4          | 3°28          | 1°17           | 3°23          | 25°33          | 15°44          | 27°38           | 26°26           | 15°11          | 5°52          | T 19         |
| W20          | 19 47 7              | 26°17'23             | <b>4</b> Υ48            | 26°16          | 10°26           | 26°41          | 3°29          | 1°15           | 3°22          | 25°35          | 15°45          | 27°35           | 26°23           | 15°17          | 5°53          | W20          |
| T 21         | 19 51 3              | 27°14'38             | 19° 6                   | 25°36          | 11°13           | 27°18          | 3°30          | 1°13           | 3°22          | 25°37          | 15°47          | 27°34           | 26°20           | 15°24          | 5°54          | T 21         |
| F 22<br>S 23 | 19 55 0<br>19 58 56  | 28°11'55<br>29° 9'12 | 3 <b>8</b> 18<br>17°22  | 24°57<br>24°20 | 11°59<br>12°44  | 27°56<br>28°33 | 3°31<br>3°31  | 1°12<br>1°11   | 3°21<br>3°21  | 25°39<br>25°41 | 15°48<br>15°50 | 27°D34<br>27°35 | 26°17<br>26°13  | 15°31<br>15°37 | 5°55<br>5°56  | F 22<br>S 23 |
| S 24         | 20 2 53              | 0Ω 6'30              | 1 <b>I</b> I17          | 23°45          | 13°28           | 29°10          | 3°31          | 1° 9           | 3°20          | 25°43          | 15°51          | 27°36           | 26°10           | 15°44          | 5°57          | S 24         |
| M25          | 20 2 33 20 6 49      | 1° 3'49              | 15° 2                   | 23°14          | 13 28<br>14°11  | 29°10<br>29°48 | 3°R31         | 1°8            | 3°19          | 25°45          | 15°53          | 27°37           | 26° 7           | 15°51          | 5°58          | M25          |
| T 26         | 20 10 46             | 2° 1'09              | 28°36                   | 22°47          | 14°53           | 0m25           | 3°31          | 1° 7           | 3°18          | 25°47          | 15°54          | 27°R38          | 26° 4           | 15°58          | 5°59          | T 26         |
| W27          | 20 14 43             | 2°58'30              | 119558                  | 22°24          | 15°34           | 1° 3           | 3°31          | 1° 6           | 3°18          | 25°49          | 15°56          | 27°37           | 26° 1           | 16° 4          | 6° 0          | W27          |
| T 28         | 20 18 39             | 3°55'52              | 25° 7                   | 22° 6          | 16°15           | 1°40           | 3°30          | 1° 5           | 3°17          | 25°51          | 15°57          | 27°34           | 25°58           | 16°11          | 6° 1          | T 28         |
| F 29         | 20 22 36             | 4°53'14              | 8 <b>Ω</b> 4            | 21°54          | 16°54           | 2°18           | 3°29          | 1° 4           | 3°16          | 25°53          | 15°59          | 27°30           | 25°54           | 16°18          | 6° 2          | F 29         |
| S 30         | 20 26 32             | 5°50'37              | 20°46                   | 21°47          | 17°32           | 2°55           | 3°28          | 1° 4           | 3°15          | 25°55          | 16° 0          | 27°24           | 25°51           | 16°24          | 6° 2          | S 30         |
| S 31         | 20 30 29             | 6 <b>Ω</b> 48'01     | 3 <b>m</b> ) 16         | 21°D46         | 18 <b>m</b> ) 9 | 3 Mp 33        | <b>3</b> Υ27  | 1 <b>√</b> 3   | 3 <b>Υ</b> 14 | 25 <b>Ω</b> 58 | 1695 2         | 27 <b>Ⅱ</b> 17  | 25 <b>∏</b> 48  | 16 <b>≏</b> 31 | 6 <b>8</b> 3  | S 31         |

Delta T = 24.26 sec

AUGUST 1927 00:00 UT

| Day  | Sid.t    | 0                | )               | <b>Σ</b> +   | φ               | δ        | 4             | ħ              | )∤(           | ¥             | Р      | ß               | Ω              | Ç              | %             | Day  |
|------|----------|------------------|-----------------|--------------|-----------------|----------|---------------|----------------|---------------|---------------|--------|-----------------|----------------|----------------|---------------|------|
| M 1  | 20 34 25 | 7 <b>Ω</b> 45'25 | 15 <b>M</b> 32  | 21951        | 18 <b>M</b> )44 | 4 Mp 10  | 3°R26         | 1°R 2          | 3°R13         | 26 <b>Ω</b> 0 | 169 3  | 27°R10          | 25 <b>Ⅱ</b> 45 | 16 <b>≏</b> 38 | 6 <b>8</b> 3  | M 1  |
| T 2  | 20 38 22 | 8°42'50          | 27°38           | 22° 3        | 19°19           | 4°48     | 3 <b>℃</b> 24 | 1 <b>√</b> 2   | 3 <b>Υ</b> 12 | 26° 2         | 16° 5  | 27 <b>I</b> I 4 | 25°42          | 16°45          | 6° 4          | T 2  |
| W 3  | 20 42 18 | 9°40'16          | 9 <b>ჲ</b> 36   | 22°21        | 19°52           | 5°26     | 3°22          | 1° 2           | 3°11          | 26° 4         | 16° 6  | 26°58           | 25°39          | 16°51          | 6° 4          | W 3  |
| T 4  | 20 46 15 | 10°37'43         | 21°28           | 22°45        | 20°23           | 6° 3     | 3°20          | 1° 2           | 3°10          | 26° 6         | 16° 7  | 26°55           | 25°35          | 16°58          | 6° 5          | T 4  |
| F 5  | 20 50 12 | 11°35'10         | 3M20            | 23°16        | 20°54           | 6°41     | 3°18          | 1° 1           | 3° 8          | 26° 8         | 16° 9  | 26°53           | 25°32          | 17° 5          | 6° 5          | F 5  |
| S 6  | 20 54 8  | 12°32'38         | 15°16           | 23°53        | 21°22           | 7°19     | 3°16          | 1°D 1          | 3° 7          | 26°10         | 16°10  | 26°D52          | 25°29          | 17°11          | 6° 5          | S 6  |
| S 7  | 20 58 5  | 13°30'06         | 27°20           | 24°37        | 21°50           | 7°56     | 3°13          | 1° 1           | 3° 6          | 26°13         | 16°12  | 26°53           | 25°26          | 17°18          | 6° 6          | S 7  |
| M 8  | 21 2 1   | 14°27'36         | 9 <b>∡</b> ³39  | 25°27        | 22°16           | 8°34     | 3°11          | 1° 2           | 3° 5          | 26°15         | 16°13  | 26°54           | 25°23          | 17°25          | 6° 6          | M 8  |
| T 9  | 21 5 58  | 15°25'06         | 2 <u>2</u> °16  | 26°23        | 22°40           | 9°12     | 3° 8          | 1° 2           | 3° 3          | 26°17         | 16°14  | 26°R55          | 25°19          | 17°32          | 6° 6          | T 9  |
| W10  | 21 9 54  | 16°22'38         | 5 <b>ਰ</b> 15   | 27°26        | 23° 2           | 9°50     | 3° 5          | 1° 2           | 3° 2          | 26°19         | 16°16  | 26°55           | 25°16          | 17°38          | 6° 6          | W10  |
| T 11 | 21 13 51 | 17°20'10         | 18°39           | 28°34        | 23°23           | 10°28    | 3° 1          | 1° 3           | 3° 0          | 26°21         | 16°17  | 26°53           | 25°13          | 17°45          | 6°R 6         | T 11 |
| F 12 | 21 17 47 | 18°17'43         | 2≈28            | 29°48        | 23°41           | 11° 6    | 2°58          | 1° 3           | 2°59          | 26°24         | 16°19  | 26°49           | 25°10          | 17°52          | 6° 6          | F 12 |
| S 13 | 21 21 44 | 19°15'17         | 16°40           | 1 <b>N</b> 8 | 23°58           | 11°43    | 2°54          | 1° 4           | 2°57          | 26°26         | 16°20  | 26°43           | 25° 7          | 17°58          | 6° 6          | S 13 |
| S 14 | 21 25 41 | 20°12'52         | 1 <b>)</b> 10   | 2°32         | 24°13           | 12°21    | 2°50          | 1° 5           | 2°56          | 26°28         | 16°21  | 26°35           | 25° 4          | 18° 5          | 6° 6          | S 14 |
| M15  | 21 29 37 | 21°10'29         | 15°53           | 4° 2         | 24°26           | 12°59    | 2°46          | 1° 5           | 2°54          | 26°30         | 16°23  | 26°27           | 25° 0          | 18°12          | 6° 5          | M15  |
| T 16 | 21 33 34 | 22° 8'07         | 0 <b>Υ</b> 39   | 5°36         | 24°37           | 13°37    | 2°42          | 1° 6           | 2°53          | 26°32         | 16°24  | 26°19           | 24°57          | 18°19          | 6° 5          | T 16 |
| W17  | 21 37 30 | 23° 5'46         | 15°21           | 7°15         | 24°46           | 14°15    | 2°38          | 1° 7           | 2°51          | 26°35         | 16°25  | 26°12           | 24°54          | 18°25          | 6° 5          | W17  |
| T 18 | 21 41 27 | 24° 3'27         | 29°53           | 8°57         | 24°53           | 14°53    | 2°33          | 1° 9           | 2°49          | 26°37         | 16°26  | 26° 8           | 24°51          | 18°32          | 6° 5          | T 18 |
| F 19 | 21 45 23 | 25° 1'10         | 14 <b>8</b> 10  | 10°43        | 24°57           | 15°31    | 2°29          | 1°10           | 2°48          | 26°39         | 16°28  | 26° 5           | 24°48          | 18°39          | 6° 4          | F 19 |
| S 20 | 21 49 20 | 25°58'54         | 28°11           | 12°32        | 25°R 0          | 16° 9    | 2°24          | 1°11           | 2°46          | 26°41         | 16°29  | 26°D 5          | 24°44          | 18°45          | 6° 4          | S 20 |
| S 21 | 21 53 16 | 26°56'40         | 11 <b>II</b> 55 | 14°24        | 24°59           | 16°48    | 2°19          | 1°13           | 2°44          | 26°43         | 16°30  | 26° 5           | 24°41          | 18°52          | 6° 3          | S 21 |
| M22  | 21 57 13 | 27°54'28         | 25°23           | 16°18        | 24°57           | 17°26    | 2°13          | 1°14           | 2°42          | 26°46         | 16°31  | 26°R 6          | 24°38          | 18°59          | 6° 2          | M22  |
| T 23 | 22 1 10  | 28°52'17         | 8937            | 18°13        | 24°52           | 18° 4    | 2°8           | 1°16           | 2°40          | 26°48         | 16°33  | 26° 5           | 24°35          | 19° 5          | 6° 2          | T 23 |
| W24  | 22 5 6   | 29°50'08         | 21°37           | 20°10        | 24°45           | 18°42    | 2° 3          | 1°17           | 2°39          | 26°50         | 16°34  | 26° 2           | 24°32          | 19°12          | 6° 1          | W24  |
| T 25 | 22 9 3   | 0 Mp 48'01       | $4\Omega 26$    | 22° 8        | 24°36           | 19°20    | 1°57          | 1°19           | 2°37          | 26°52         | 16°35  | 25°57           | 24°29          | 19°19          | 6° 0          | T 25 |
| F 26 | 22 12 59 | 1°45'55          | 17° 4           | 24° 7        | 24°24           | 19°59    | 1°51          | 1°21           | 2°35          | 26°55         | 16°36  | 25°49           | 24°25          | 19°26          | 6° 0          | F 26 |
| S 27 | 22 16 56 | 2°43'51          | 29°32           | 26° 6        | 24°10           | 20°37    | 1°45          | 1°23           | 2°33          | 26°57         | 16°37  | 25°39           | 24°22          | 19°32          | 5°59          | S 27 |
| S 28 | 22 20 52 | 3°41'49          | 11 <b>m</b> )49 | 28° 5        | 23°54           | 21°15    | 1°39          | 1°25           | 2°31          | 26°59         | 16°38  | 25°27           | 24°19          | 19°39          | 5°58          | S 28 |
| M29  | 22 24 49 | 4°39'47          | 23°58           | 0Mp 4        | 23°35           | 21°54    | 1°33          | 1°27           | 2°29          | 27° 1         | 16°40  | 25°14           | 24°16          | 19°46          | 5°57          | M29  |
| T 30 | 22 28 45 | 5°37'48          | 5 <b>≏</b> 58   | 2° 3         | 23°14           | 22°32    | 1°26          | 1°30           | 2°27          | 27° 3         | 16°41  | 25° 2           | 24°13          | 19°52          | 5°56          | T 30 |
| W31  | 22 32 42 | 6 <b>m</b> 35'50 | 17 <b>≏</b> 52  | 4M) 1        | 22 <b>m</b> 51  | 23 Mp 11 | 1 <b>Υ</b> 20 | 1 <b>∡</b> 732 | 2 <b>Υ</b> 25 | 27 <b>N</b> 6 | 169542 | 24耳51           | 24 <b>Ⅱ</b> 10 | 19 <b>≏</b> 59 | 5 <b>8</b> 55 | W31  |

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SEPTEMBER 1927 00:00 UT

| Day  | Sid.t    | 0                | D               | Ϋ́             | Q               | ♂              | 4              | ħ             | )Å(            | ¥             | Р      | ß              | v               | ţ              | Q<br>K        | Day  |
|------|----------|------------------|-----------------|----------------|-----------------|----------------|----------------|---------------|----------------|---------------|--------|----------------|-----------------|----------------|---------------|------|
| T 1  | 22 36 39 | 7 m/33'53        | 29 <b>≏</b> 42  | 5 <b>m</b> 59  | 22°R25          | 23 Mp 49       | 1°R13          | 1 <b>₹</b> 34 | 2°R22          | 27 <b>Ω</b> 8 | 169543 | 24°R43         | 24 <b>I</b> I 6 | 20 <b>♀</b> 6  | 5°R53         | T 1  |
| F 2  | 22 40 35 | 8°31'58          | 11 <b>M</b> 32  | 7°55           | 21 <b>m</b> 58  | 24°28          | 1 <b>Υ</b> 6   | 1°37          | $2\Upsilon 20$ | 27°10         | 16°44  | 24∏38          | 24° 3           | 20°13          | 5 <b>8</b> 52 | F 2  |
| S 3  | 22 44 32 | 9°30'04          | 23°25           | 9°51           | 21°29           | 25° 6          | 1° 0           | 1°40          | 2°18           | 27°12         | 16°45  | 24°35          | 24° 0           | 20°19          | 5°51          | S 3  |
| S 4  | 22 48 28 | 10°28'11         | 5 <b>₹</b> 27   | 11°46          | 20°58           | 25°45          | 0°53           | 1°42          | 2°16           | 27°14         | 16°46  | 24°33          | 23°57           | 20°26          | 5°50          | S 4  |
| M 5  | 22 52 25 | 11°26'21         | 17°43           | 13°40          | 20°26           | 26°23          | 0°46           | 1°45          | 2°14           | 27°17         | 16°47  | 24°33          | 23°54           | 20°33          | 5°48          | M 5  |
| T 6  | 22 56 21 | 12°24'31         | 0 <b>궁</b> 17   | 15°32          | 19°52           | 27° 2          | 0°38           | 1°48          | 2°12           | 27°19         | 16°48  | 24°33          | 23°50           | 20°39          | 5°47          | T 6  |
| W 7  | 23 0 18  | 13°22'43         | 13°15           | 17°24          | 19°18           | 27°41          | 0°31           | 1°51          | 2° 9           | 27°21         | 16°49  | 24°32          | 23°47           | 20°46          | 5°46          | W 7  |
| T 8  | 23 4 14  | 14°20'57         | 26°40           | 19°14          | 18°42           | 28°19          | 0°24           | 1°54          | 2° 7           | 27°23         | 16°50  | 24°29          | 23°44           | 20°53          | 5°44          | T 8  |
| F 9  | 23 8 11  | 15°19'12         | 10≈35           | 21° 4          | 18° 5           | 28°58          | 0°16           | 1°57          | 2° 5           | 27°25         | 16°51  | 24°23          | 23°41           | 21° 0          | 5°43          | F 9  |
| S 10 | 23 12 8  | 16°17'29         | 24°57           | 22°52          | 17°29           | 29°37          | 0° 9           | 2° 1          | 2° 3           | 27°27         | 16°52  | 24°15          | 23°38           | 21° 6          | 5°41          | S 10 |
| S 11 | 23 16 4  | 17°15'47         | 9 <b>) (</b> 44 | 24°39          | 16°51           | 0 <b>ჲ</b> 16  | 0° 1           | 2° 4          | 2° 0           | 27°29         | 16°52  | 24° 5          | 23°35           | 21°13          | 5°39          | S 11 |
| M12  | 23 20 1  | 18°14'07         | 24°46           | 26°25          | 16°14           | 0°54           | 29 <b>米</b> 54 | 2° 7          | 1°58           | 27°32         | 16°53  | 23°54          | 23°31           | 21°20          | 5°38          | M12  |
| T 13 | 23 23 57 | 19°12'29         | 9 <b>Ƴ</b> 55   | 28° 9          | 15°37           | 1°33           | 29°46          | 2°11          | 1°56           | 27°34         | 16°54  | 23°43          | 23°28           | 21°26          | 5°36          | T 13 |
| W14  | 23 27 54 | 20°10'53         | 24°59           | 29°53          | 15° 1           | 2°12           | 29°38          | 2°14          | 1°53           | 27°36         | 16°55  | 23°34          | 23°25           | 21°33          | 5°34          | W14  |
| T 15 | 23 31 50 | 21° 9'19         | 9 <b>8</b> 51   | 1 <b>≏</b> 36  | 14°25           | 2°51           | 29°30          | 2°18          | 1°51           | 27°38         | 16°56  | 23°27          | 23°22           | 21°40          | 5°32          | T 15 |
| F 16 | 23 35 47 | 22° 7'47         | 24°22           | 3°17           | 13°50           | 3°30           | 29°22          | 2°22          | 1°49           | 27°40         | 16°56  | 23°23          | 23°19           | 21°46          | 5°31          | F 16 |
| S 17 | 23 39 43 | 23° 6'17         | 8 <b>Ⅱ</b> 31   | 4°57           | 13°17           | 4° 9           | 29°14          | 2°26          | 1°46           | 27°42         | 16°57  | 23°22          | 23°16           | 21°53          | 5°29          | S 17 |
| S 18 | 23 43 40 | 24° 4'50         | 22°15           | 6°37           | 12°45           | 4°48           | 29° 6          | 2°29          | 1°44           | 27°44         | 16°58  | 23°21          | 23°12           | 22° 0          | 5°27          | S 18 |
| M19  | 23 47 36 | 25° 3'25         | 5938            | 8°15           | 12°14           | 5°27           | 28°58          | 2°33          | 1°41           | 27°46         | 16°59  | 23°21          | 23° 9           | 22° 7          | 5°25          | M19  |
| T 20 | 23 51 33 | 26° 2'02         | 18°41           | 9°52           | 11°46           | 6° 6           | 28°51          | 2°37          | 1°39           | 27°48         | 16°59  | 23°20          | 23° 6           | 22°13          | 5°23          | T 20 |
| W21  | 23 55 30 | 27° 0'41         | 1 <b>Ω</b> 28   | 11°29          | 11°19           | 6°46           | 28°42          | 2°42          | 1°37           | 27°50         | 17° 0  | 23°16          | 23° 3           | 22°20          | 5°21          | W21  |
| T 22 | 23 59 26 | 27°59'23         | 14° 2           | 13° 4          | 10°54           | 7°25           | 28°34          | 2°46          | 1°34           | 27°52         | 17° 1  | 23°10          | 23° 0           | 22°27          | 5°19          | T 22 |
| F 23 | 0 3 23   | 28°58'06         | 26°24           | 14°38          | 10°31           | 8° 4           | 28°26          | 2°50          | 1°32           | 27°54         | 17° 1  | 23° 1          | 22°56           | 22°33          | 5°16          | F 23 |
| S 24 | 0 7 19   | 29°56'52         | 8 <b>m</b> 38   | 16°12          | 10°11           | 8°43           | 28°18          | 2°54          | 1°29           | 27°56         | 17° 2  | 22°49          | 22°53           | 22°40          | 5°14          | S 24 |
| S 25 | 0 11 16  | 0 <b>ჲ</b> 55'39 | 20°44           | 17°44          | 9°52            | 9°22           | 28°10          | 2°59          | 1°27           | 27°58         | 17° 3  | 22°36          | 22°50           | 22°47          | 5°12          | S 25 |
| M26  | 0 15 12  | 1°54'29          | 2 <b>≏</b> 44   | 19°16          | 9°36            | 10° 2          | 28° 2          | 3° 3          | 1°25           | 28° 0         | 17° 3  | 22°21          | 22°47           | 22°54          | 5°10          | M26  |
| T 27 | 0 19 9   | 2°53'21          | 14°39           | 20°46          | 9°23            | 10°41          | 27°54          | 3° 8          | 1°22           | 28° 2         | 17° 4  | 22° 8          | 22°44           | 23° 0          | 5° 7          | T 27 |
| W28  | 0 23 5   | 3°52'14          | 26°30           | 22°16          | 9°12            | 11°21          | 27°46          | 3°13          | 1°20           | 28° 4         | 17° 4  | 21°56          | 22°41           | 23° 7          | 5° 5          | W28  |
| T 29 | 0 27 2   | 4°51'10          | 8M20            | 23°45          | 9° 3            | 12° 0          | 27°39          | 3°17          | 1°17           | 28° 6         | 17° 5  | 21°46          | 22°37           | 23°14          | 5° 3          | T 29 |
| F 30 | 0 30 59  | 5 <b>≏</b> 50'07 | 20 <b>M</b> 9   | 25 <b>≏</b> 12 | 8 <b>m</b> ) 57 | 12 <b>≏</b> 40 | 27 <b>米</b> 31 | 3 <b>₹</b> 22 | 1 <b>Υ</b> 15  | 28 <b>Ω</b> 7 | 1795 5 | 21 <b>Ⅱ</b> 39 | 22 <b>∏</b> 34  | 23 <b>≏</b> 20 | 5 <b>8</b> 0  | F 30 |

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OCTOBER 1927 00:00 UT

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|------|---------|------------------|-----------------|----------------|-----------------|----------------|----------------|---------------|---------------|----------------|--------|----------------|-----------------|----------------|---------------|------|
| Day  | Sid.t   | 0                | D               | ğ              | ·               | ♂              | 4              | ħ             | )f(           | ¥              | В      | N.             | ß               | Ç              | ç             | Day  |
| S 1  | 0 34 55 | 6 <b>₽</b> 49'07 | 2 <b>×7</b> 2   | 26 <b>₽</b> 39 | 8°R53           | 13 <b>≏</b> 19 | 27°R23         | 3 <b>₹</b> 27 | 1°R13         | 28 <b>N</b> 9  | 1795 6 | 21°R35         | 22 <b>II</b> 31 | 23 <b>≏</b> 27 | 4°R58         | S 1  |
| S 2  | 0 38 52 | 7°48'08          | 14° 3           | 28° 5          | 8°D51           | 13°59          | 27 <b>)</b> 15 | 3°32          | 1 <b>Y</b> 10 | 28°11          | 17° 6  | 21 <b>П</b> 34 | 22°28           | 23°34          | 4 <b>8</b> 56 | S 2  |
| M 3  | 0 42 48 | 8°47'11          | 26°17           | 29°30          | 8 <b>m</b> ) 52 | 14°38          | 27° 7          | 3°37          | 1°8           | 28°13          | 17° 6  | 21°D33         | 22°25           | 23°40          | 4°53          | M 3  |
| T 4  | 0 46 45 | 9°46'16          | 8 <b>云</b> 47   | 0 <b>M</b> 54  | 8°56            | 15°18          | 27° 0          | 3°42          | 1° 5          | 28°15          | 17° 7  | 21°R34         | 22°21           | 23°47          | 4°51          | T 4  |
| W 5  | 0 50 41 | 10°45'22         | 21°40           | 2°16           | 9° 1            | 15°58          | 26°52          | 3°47          | 1° 3          | 28°16          | 17° 7  | 21°33          | 22°18           | 23°54          | 4°48          | W 5  |
| T 6  | 0 54 38 | 11°44'31         | 4≈59            | 3°38           | 9° 9            | 16°37          | 26°45          | 3°52          | 1° 1          | 28°18          | 17° 7  | 21°31          | 22°15           | 24° 1          | 4°45          | T 6  |
| F 7  | 0 58 34 | 12°43'41         | 18°48           | 4°58           | 9°19            | 17°17          | 26°37          | 3°58          | 0°58          | 28°20          | 17° 8  | 21°27          | 22°12           | 24° 7          | 4°43          | F 7  |
| S 8  | 1 2 31  | 13°42'52         | 3 <b>)</b> ₹ 7  | 6°18           | 9°31            | 17°57          | 26°30          | 4° 3          | 0°56          | 28°22          | 17° 8  | 21°20          | 22° 9           | 24°14          | 4°40          | S 8  |
| S 9  | 1 6 28  | 14°42'06         | 17°54           | 7°36           | 9°45            | 18°37          | 26°23          | 4° 8          | 0°54          | 28°23          | 17° 8  | 21°11          | 22° 6           | 24°21          | 4°38          | S 9  |
| M10  | 1 10 24 | 15°41'21         | 3 <b>Υ</b> 1    | 8°53           | 10° 1           | 19°16          | 26°16          | 4°14          | 0°51          | 28°25          | 17° 8  | 21° 1          | 22° 2           | 24°27          | 4°35          | M10  |
| T 11 | 1 14 21 | 16°40'39         | 18°20           | 10° 8          | 10°20           | 19°56          | 26° 8          | 4°19          | 0°49          | 28°26          | 17° 9  | 20°51          | 21°59           | 24°34          | 4°32          | T 11 |
| W12  | 1 18 17 | 17°39'58         | 3 <b>8</b> 38   | 11°22          | 10°40           | 20°36          | 26° 2          | 4°25          | 0°47          | 28°28          | 17° 9  | 20°43          | 21°56           | 24°41          | 4°29          | W12  |
| T 13 | 1 22 14 | 18°39'20         | 18°45           | 12°34          | 11° 2           | 21°16          | 25°55          | 4°30          | 0°44          | 28°30          | 17° 9  | 20°37          | 21°53           | 24°47          | 4°27          | T 13 |
| F 14 | 1 26 10 | 19°38'44         | 3Ⅲ32            | 13°45          | 11°26           | 21°56          | 25°48          | 4°36          | 0°42          | 28°31          | 17° 9  | 20°34          | 21°50           | 24°54          | 4°24          | F 14 |
| S 15 | 1 30 7  | 20°38'10         | 17°54           | 14°54          | 11°52           | 22°36          | 25°41          | 4°42          | 0°40          | 28°33          | 17° 9  | 20°D32         | 21°47           | 25° 1          | 4°21          | S 15 |
| S 16 | 1 34 3  | 21°37'39         | 19549           | 16° 1          | 12°19           | 23°16          | 25°35          | 4°48          | 0°38          | 28°34          | 17° 9  | 20°33          | 21°43           | 25° 8          | 4°18          | S 16 |
| M17  | 1 38 0  | 22°37'10         | 15°16           | 17° 6          | 12°48           | 23°56          | 25°29          | 4°53          | 0°36          | 28°36          | 17° 9  | 20°34          | 21°40           | 25°14          | 4°16          | M17  |
| T 18 | 1 41 57 | 23°36'43         | 28°20           | 18° 8          | 13°18           | 24°37          | 25°23          | 4°59          | 0°33          | 28°37          | 17° 9  | 20°R34         | 21°37           | 25°21          | 4°13          | T 18 |
| W19  | 1 45 53 | 24°36'18         | 11 <b>0</b> 3   | 19°8           | 13°50           | 25°17          | 25°16          | 5° 5          | 0°31          | 28°39          | 17°R 9 | 20°32          | 21°34           | 25°28          | 4°10          | W19  |
| T 20 | 1 49 50 | 25°35'56         | 23°30           | 20° 4          | 14°24           | 25°57          | 25°11          | 5°11          | 0°29          | 28°40          | 17° 9  | 20°28          | 21°31           | 25°34          | 4° 7          | T 20 |
| F 21 | 1 53 46 | 26°35'36         | 5 <b>m</b> ) 44 | 20°58          | 14°59           | 26°37          | 25° 5          | 5°17          | 0°27          | 28°41          | 17° 9  | 20°22          | 21°27           | 25°41          | 4° 4          | F 21 |
| S 22 | 1 57 43 | 27°35'18         | 17°48           | 21°48          | 15°35           | 27°18          | 24°59          | 5°23          | 0°25          | 28°43          | 17° 9  | 20°14          | 21°24           | 25°48          | 4° 1          | S 22 |
| S 23 | 2 1 39  | 28°35'02         | 29°46           | 22°35          | 16°13           | 27°58          | 24°54          | 5°29          | 0°23          | 28°44          | 17° 9  | 20° 5          | 21°21           | 25°54          | 3°59          | S 23 |
| M24  | 2 5 36  | 29°34'49         | 11 <b>≏</b> 40  | 23°17          | 16°52           | 28°38          | 24°48          | 5°36          | 0°21          | 28°45          | 17° 9  | 19°54          | 21°18           | 26° 1          | 3°56          | M24  |
| T 25 | 2 9 32  | 0 <b>M</b> 34'37 | 23°31           | 23°55          | 17°32           | 29°19          | 24°43          | 5°42          | 0°19          | 28°47          | 17° 9  | 19°44          | 21°15           | 26° 8          | 3°53          | T 25 |
| W26  | 2 13 29 | 1°34'27          | 5 <b>M</b> ₊22  | 24°27          | 18°13           | 29°59          | 24°38          | 5°48          | 0°17          | 28°48          | 17° 9  | 19°36          | 21°12           | 26°15          | 3°50          | W26  |
| T 27 | 2 17 25 | 2°34'20          | 17°13           | 24°53          | 18°55           | 0 <b>M</b> .40 | 24°34          | 5°54          | 0°15          | 28°49          | 17° 9  | 19°29          | 21° 8           | 26°21          | 3°47          | T 27 |
| F 28 | 2 21 22 | 3°34'14          | 29° 6           | 25°14          | 19°39           | 1°21           | 24°29          | 6° 1          | 0°13          | 28°50          | 17° 8  | 19°24          | 21° 5           | 26°28          | 3°44          | F 28 |
| S 29 | 2 25 19 | 4°34'10          | 11 <b>×7</b> 5  | 25°27          | 20°23           | 2° 1           | 24°25          | 6° 7          | 0°11          | 28°51          | 17° 8  | 19°22          | 21° 2           | 26°35          | 3°41          | S 29 |
| S 30 | 2 29 15 | 5°34'08          | 23°11           | 25°R33         | 21° 8           | 2°42           | 24°20          | 6°14          | 0° 9          | 28°52          | 17° 8  | 19°D22         | 20°59           | 26°41          | 3°38          | S 30 |
| M31  | 2 33 12 | 6MJ34'08         | 5 <b>云</b> 28   | 25 <b>M</b> 30 | 21 <b>m</b> 55  | 3M23           | 24 <b>)</b> 16 | 6 <b>₮</b> 20 | oΥ 8          | 28 <b>Ω</b> 54 | 1795 8 | 19∏23          | 20耳56           | 26 <b>≏</b> 48 | 3 <b>8</b> 36 | M31  |

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| Day  | Sid.t   | 0                  | D               | ğ              | ·              | ♂ <sup>™</sup> | 4              | ħ             | )f(            | 卉              | В      | n              | ດ     | ţ              | ę<br>k        | Day  |
|------|---------|--------------------|-----------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|--------|----------------|-------|----------------|---------------|------|
| T 1  | 2 37 8  | 7 <b>11</b> L34'09 | 18 <b>る</b> 0   | 25°R19         | 22 Mp 42       | 4M 3           | 24°R12         | 6 <b>₹</b> 27 | 0°R 6          | 28 <b>N</b> 55 | 17°R 7 | 19 <b>Ⅱ</b> 24 | 20耳53 | 26 <b>♀</b> 55 | 3°R33         | T 1  |
| W 2  | 2 41 5  | 8°34'12            | 0≈51            | 24M59          | 23°30          | 4°44           | 24 <b>)</b> 9  | 6°33          | oΥ 4           | 28°56          | 1795 7 | 19°26          | 20°49 | 27° 1          | 3 <b>8</b> 30 | W 2  |
| T 3  | 2 45 1  | 9°34'17            | 14° 4           | 24°29          | 24°19          | 5°25           | 24° 5          | 6°40          | 0° 2           | 28°57          | 17° 7  | 19°R26         | 20°46 | 27° 8          | 3°27          | T 3  |
| F 4  | 2 48 58 | 10°34'23           | 27°43           | 23°50          | 25° 9          | 6° 6           | 24° 2          | 6°46          | 0° 1           | 28°58          | 17° 6  | 19°24          | 20°43 | 27°15          | 3°24          | F 4  |
| S 5  | 2 52 54 | 11°34'30           | 11 <b>∺</b> 50  | 23° 1          | 26° 0          | 6°47           | 23°59          | 6°53          | 29 <b>米</b> 59 | 28°59          | 17° 6  | 19°21          | 20°40 | 27°21          | 3°21          | S 5  |
| S 6  | 2 56 51 | 12°34'40           | 26°22           | 22° 3          | 26°51          | 7°28           | 23°56          | 7° 0          | 29°58          | 28°59          | 17° 5  | 19°17          | 20°37 | 27°28          | 3°18          | S 6  |
| M 7  | 3 0 48  | 13°34'50           | 11 <b>Y</b> 17  | 20°58          | 27°43          | 8° 9           | 23°53          | 7° 6          | 29°56          | 29° 0          | 17° 5  | 19°12          | 20°33 | 27°35          | 3°16          | M 7  |
| T 8  | 3 4 44  | 14°35'02           | 26°26           | 19°45          | 28°36          | 8°50           | 23°51          | 7°13          | 29°54          | 29° 1          | 17° 5  | 19° 6          | 20°30 | 27°42          | 3°13          | T 8  |
| W 9  | 3 8 41  | 15°35'16           | 11 <b>8</b> 41  | 18°28          | 29°30          | 9°31           | 23°48          | 7°20          | 29°53          | 29° 2          | 17° 4  | 19° 2          | 20°27 | 27°48          | 3°10          | W 9  |
| T 10 | 3 12 37 | 16°35'32           | 26°50           | 17° 9          | 0 <b>ჲ</b> 24  | 10°12          | 23°46          | 7°27          | 29°52          | 29° 3          | 17° 4  | 18°59          | 20°24 | 27°55          | 3° 7          | T 10 |
| F 11 | 3 16 34 | 17°35'49           | 11 <b>Ⅱ</b> 45  | 15°49          | 1°19           | 10°53          | 23°44          | 7°33          | 29°50          | 29° 3          | 17° 3  | 18°57          | 20°21 | 28° 2          | 3° 4          | F 11 |
| S 12 | 3 20 30 | 18°36'09           | 26°17           | 14°32          | 2°14           | 11°34          | 23°43          | 7°40          | 29°49          | 29° 4          | 17° 2  | 18°D57         | 20°18 | 28° 8          | 3° 2          | S 12 |
| S 13 | 3 24 27 | 19°36'30           | 10923           | 13°21          | 3°11           | 12°15          | 23°41          | 7°47          | 29°47          | 29° 5          | 17° 2  | 18°58          | 20°14 | 28°15          | 2°59          | S 13 |
| M14  | 3 28 24 | 20°36'53           | 24° 1           | 12°16          | 4° 7           | 12°57          | 23°40          | 7°54          | 29°46          | 29° 6          | 17° 1  | 19° 0          | 20°11 | 28°22          | 2°56          | M14  |
| T 15 | 3 32 20 | 21°37'18           | 7 <b>Ω</b> 12   | 11°21          | 5° 5           | 13°38          | 23°39          | 8° 1          | 29°45          | 29° 6          | 17° 1  | 19° 1          | 20° 8 | 28°28          | 2°53          | T 15 |
| W16  | 3 36 17 | 22°37'45           | 20° 0           | 10°36          | 6° 2           | 14°19          | 23°38          | 8° 8          | 29°44          | 29° 7          | 17° 0  | 19°R 2         | 20° 5 | 28°35          | 2°51          | W16  |
| T 17 | 3 40 13 | 23°38'14           | 2 <b>m</b> ) 27 | 10° 3          | 7° 1           | 15° 1          | 23°37          | 8°15          | 29°43          | 29° 7          | 16°59  | 19° 2          | 20° 2 | 28°42          | 2°48          | T 17 |
| F 18 | 3 44 10 | 24°38'45           | 14°40           | 9°41           | 8° 0           | 15°42          | 23°37          | 8°22          | 29°42          | 29° 8          | 16°59  | 19° 0          | 19°59 | 28°49          | 2°45          | F 18 |
| S 19 | 3 48 6  | 25°39'17           | 26°41           | 9°D31          | 8°59           | 16°24          | 23°37          | 8°29          | 29°40          | 29° 8          | 16°58  | 18°58          | 19°55 | 28°55          | 2°43          | S 19 |
| S 20 | 3 52 3  | 26°39'51           | 8 <b>₾</b> 35   | 9°32           | 9°59           | 17° 5          | 23°D37         | 8°36          | 29°39          | 29° 9          | 16°57  | 18°54          | 19°52 | 29° 2          | 2°40          | S 20 |
| M21  | 3 55 59 | 27°40'27           | 20°25           | 9°44           | 10°59          | 17°47          | 23°37          | 8°43          | 29°39          | 29° 9          | 16°57  | 18°50          | 19°49 | 29° 9          | 2°38          | M21  |
| T 22 | 3 59 56 | 28°41'04           | 2 <b>M</b> 15   | 10° 6          | 12° 0          | 18°29          | 23°37          | 8°50          | 29°38          | 29° 9          | 16°56  | 18°47          | 19°46 | 29°15          | 2°35          | T 22 |
| W23  | 4 3 52  | 29°41'43           | 14° 7           | 10°37          | 13° 1          | 19°10          | 23°38          | 8°57          | 29°37          | 29°10          | 16°55  | 18°44          | 19°43 | 29°22          | 2°33          | W23  |
| T 24 | 4 7 49  | 0 <b>,</b> ₹42'24  | 26° 3           | 11°15          | 14° 3          | 19°52          | 23°38          | 9° 4          | 29°36          | 29°10          | 16°54  | 18°41          | 19°39 | 29°29          | 2°30          | T 24 |
| F 25 | 4 11 46 | 1°43'06            | 8 <b>才</b> 6    | 12° 1          | 15° 5          | 20°34          | 23°39          | 9°11          | 29°35          | 29°10          | 16°53  | 18°40          | 19°36 | 29°35          | 2°28          | F 25 |
| S 26 | 4 15 42 | 2°43'49            | 20°15           | 12°54          | 16° 7          | 21°16          | 23°41          | 9°18          | 29°34          | 29°11          | 16°53  | 18°D40         | 19°33 | 29°42          | 2°25          | S 26 |
| S 27 | 4 19 39 | 3°44'34            | 2 <b>ප</b> 34   | 13°52          | 17°10          | 21°57          | 23°42          | 9°25          | 29°34          | 29°11          | 16°52  | 18°40          | 19°30 | 29°49          | 2°23          | S 27 |
| M28  | 4 23 35 | 4°45'20            | 15° 5           | 14°54          | 18°13          | 22°39          | 23°44          | 9°32          | 29°33          | 29°11          | 16°51  | 18°41          | 19°27 | 29°55          | 2°21          | M28  |
| T 29 | 4 27 32 | 5°46'07            | 27°48           | 16° 1          | 19°16          | 23°21          | 23°45          | 9°39          | 29°33          | 29°11          | 16°50  | 18°42          | 19°24 | 0M 2           | 2°18          | T 29 |
| W30  | 4 31 28 | 6 <b>₹</b> 146'55  | 10≈46           | 17 <b>M</b> 12 | 20 <b>≏</b> 20 | 24M 3          | 23 <b>)</b> 47 | 9 <b>∡</b> 47 | 29 <b>米</b> 32 | 29 <b>Ω</b> 11 | 169549 | 18 <b>Ⅱ</b> 44 | 19Ⅱ20 | OM 9           | 2 <b>8</b> 16 | W30  |

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| Day  | Sid.t   | 0                 | D               | ğ               | φ              | ď              | 4              | ħ              | )∤(             | ¥                   | Р      | n              | v              | Ç              | ę,    | Day  |
|------|---------|-------------------|-----------------|-----------------|----------------|----------------|----------------|----------------|-----------------|---------------------|--------|----------------|----------------|----------------|-------|------|
| T 1  | 4 35 25 | 7 <b>.7</b> 47'43 | 24≈ 2           | 18 <b>M</b> .26 | 21 <b>≏</b> 24 | 24 <b>M</b> 45 | 23 <b>米</b> 50 | 9 <b>∡</b> 754 | 29°R32          | 29 <b>Ω</b> 11      | 16°R48 | 18 <b>Ⅱ</b> 44 | 19 <b>Ⅱ</b> 17 | 0 <b>M</b> .16 | 2°R14 | T 1  |
| F 2  | 4 39 22 | 8°48'33           | 7 <b>∺</b> 37   | 19°42           | 22°28          | 25°27          | 23°52          | 10° 1          | 29 <b>)</b> (31 | 29°R11              | 169547 | 18°R45         | 19°14          | 0°22           | 2812  | F 2  |
| S 3  | 4 43 18 | 9°49'24           | 21°32           | 21° 1           | 23°33          | 26° 9          | 23°55          | 10° 8          | 29°31           | 29°11               | 16°46  | 18°45          | 19°11          | 0°29           | 2°10  | S 3  |
| S 4  | 4 47 15 | 10°50'15          | 5 <b>Ƴ</b> 47   | 22°21           | 24°38          | 26°52          | 23°57          | 10°15          | 29°30           | 29°11               | 16°45  | 18°44          | 19°8           | 0°36           | 2° 7  | S 4  |
| M 5  | 4 51 11 | 11°51'07          | 20°19           | 23°44           | 25°43          | 27°34          | 24° 0          | 10°22          | 29°30           | 29°11               | 16°44  | 18°43          | 19° 5          | 0°42           | 2° 5  | M 5  |
| T 6  | 4 55 8  | 12°52'00          | 5 <b>8</b> 5    | 25° 7           | 26°49          | 28°16          | 24° 4          | 10°29          | 29°30           | 29°11               | 16°43  | 18°42          | 19° 1          | 0°49           | 2° 3  | T 6  |
| W 7  | 4 59 4  | 13°52'54          | 19°58           | 26°33           | 27°55          | 28°58          | 24° 7          | 10°36          | 29°30           | 29°11               | 16°42  | 18°42          | 18°58          | 0°56           | 2° 1  | W 7  |
| T 8  | 5 3 1   | 14°53'49          | 4 <b>Ⅱ</b> 51   | 27°59           | 29° 1          | 29°41          | 24°11          | 10°43          | 29°30           | 29°11               | 16°41  | 18°42          | 18°55          | 1° 2           | 1°59  | T 8  |
| F 9  | 5 6 57  | 15°54'44          | 19°36           | 29°26           | 0 <b>™</b> 7   | 0 <b>,</b> ₹23 | 24°15          | 10°51          | 29°30           | 29°11               | 16°40  | 18°D41         | 18°52          | 1° 9           | 1°58  | F 9  |
| S 10 | 5 10 54 | 16°55'41          | 499 5           | 0 <b>≯</b> 53   | 1°14           | 1° 5           | 24°19          | 10°58          | 29°D30          | 29°10               | 16°39  | 18°42          | 18°49          | 1°16           | 1°56  | S 10 |
| S 11 | 5 14 51 | 17°56'39          | 18°14           | 2°22            | 2°21           | 1°48           | 24°23          | 11° 5          | 29°30           | 29°10               | 16°38  | 18°42          | 18°45          | 1°22           | 1°54  | S 11 |
| M12  | 5 18 47 | 18°57'37          | 1 <b>Q</b> 58   | 3°51            | 3°28           | 2°30           | 24°27          | 11°12          | 29°30           | 29°10               | 16°37  | 18°R42         | 18°42          | 1°29           | 1°52  | M12  |
| T 13 | 5 22 44 | 19°58'37          | 15°17           | 5°20            | 4°35           | 3°13           | 24°32          | 11°19          | 29°30           | 29° 9               | 16°36  | 18°42          | 18°39          | 1°36           | 1°50  | T 13 |
| W14  | 5 26 40 | 20°59'38          | 28°12           | 6°50            | 5°42           | 3°55           | 24°36          | 11°26          | 29°30           | 29° 9               | 16°35  | 18°41          | 18°36          | 1°42           | 1°49  | W14  |
| T 15 | 5 30 37 | 22° 0'39          | 10 <b>m</b> 45  | 8°21            | 6°50           | 4°38           | 24°41          | 11°33          | 29°30           | 29° 9               | 16°33  | 18°41          | 18°33          | 1°49           | 1°47  | T 15 |
| F 16 | 5 34 33 | 23° 1'42          | 23° 0           | 9°51            | 7°58           | 5°21           | 24°46          | 11°40          | 29°31           | 29° 8               | 16°32  | 18°D41         | 18°30          | 1°56           | 1°46  | F 16 |
| S 17 | 5 38 30 | 24° 2'46          | 5 <b>≙</b> 2    | 11°22           | 9° 6           | 6° 3           | 24°52          | 11°47          | 29°31           | 29° 8               | 16°31  | 18°41          | 18°26          | 2° 3           | 1°44  | S 17 |
| S 18 | 5 42 26 | 25° 3'50          | 16°56           | 12°53           | 10°14          | 6°46           | 24°57          | 11°54          | 29°31           | 29° 7               | 16°30  | 18°42          | 18°23          | 2° 9           | 1°43  | S 18 |
| M19  | 5 46 23 | 26° 4'55          | 28°46           | 14°25           | 11°23          | 7°29           | 25° 3          | 12° 1          | 29°32           | 29° 7               | 16°29  | 18°42          | 18°20          | 2°16           | 1°41  | M19  |
| T 20 | 5 50 20 | 27° 6'02          | 10 <b>M</b> .36 | 15°57           | 12°32          | 8°12           | 25° 9          | 12° 8          | 29°32           | 29° 6               | 16°28  | 18°43          | 18°17          | 2°23           | 1°40  | T 20 |
| W21  | 5 54 16 | 28° 7'09          | 22°30           | 17°29           | 13°41          | 8°55           | 25°15          | 12°15          | 29°33           | 29° 6               | 16°27  | 18°44          | 18°14          | 2°29           | 1°39  | W21  |
| T 22 | 5 58 13 | 29° 8'16          | 4 <b>₹</b> 32   | 19° 1           | 14°50          | 9°38           | 25°21          | 12°22          | 29°33           | 29° 5               | 16°25  | 18°45          | 18°11          | 2°36           | 1°37  | T 22 |
| F 23 | 6 2 9   | 0る 9'24           | 16°45           | 20°33           | 15°59          | 10°21          | 25°27          | 12°29          | 29°34           | 29° 4               | 16°24  | 18°R45         | 18° 7          | 2°43           | 1°36  | F 23 |
| S 24 | 6 6 6   | 1°10'33           | 29° 9           | 22° 6           | 17° 8          | 11° 4          | 25°34          | 12°36          | 29°35           | 29° 4               | 16°23  | 18°45          | 18° 4          | 2°49           | 1°35  | S 24 |
| S 25 | 6 10 2  | 2°11'43           | 11 <b>궁</b> 47  | 23°39           | 18°18          | 11°47          | 25°40          | 12°43          | 29°36           | 29° 3               | 16°22  | 18°44          | 18° 1          | 2°56           | 1°34  | S 25 |
| M26  | 6 13 59 | 3°12'52           | 24°38           | 25°12           | 19°27          | 12°30          | 25°47          | 12°49          | 29°36           | 29° 2               | 16°20  | 18°43          | 17°58          | 3° 3           | 1°33  | M26  |
| T 27 | 6 17 55 | 4°14'02           | 7≈43            | 26°45           | 20°37          | 13°13          | 25°54          | 12°56          | 29°37           | 29° 1               | 16°19  | 18°40          | 17°55          | 3° 9           | 1°32  | T 27 |
| W28  | 6 21 52 | 5°15'12           | 21° 1           | 28°19           | 21°47          | 13°56          | 26° 1          | 13° 3          | 29°38           | 29° 0               | 16°18  | 18°38          | 17°51          | 3°16           | 1°31  | W28  |
| T 29 | 6 25 49 | 6°16'21           | 4 <b>)</b> €32  | 29°53           | 22°57          | 14°39          | 26° 9          | 13°10          | 29°39           | 29° 0               | 16°17  | 18°36          | 17°48          | 3°23           | 1°30  | T 29 |
| F 30 | 6 29 45 | 7°17'31           | 18°15           | 1 <b>る</b> 27   | 24° 7          | 15°23          | 26°16          | 13°16          | 29°40           | 28°59               | 16°15  | 18°34          | 17°45          | 3°29           | 1°29  | F 30 |
| S 31 | 6 33 42 | 8 <b>ට</b> 18'41  | 2 <b>Υ</b> 9    | 3 <b>る</b> 2    | 25 <b>M</b> 17 | 16 <b>才</b> 6  | 26 <b>米</b> 24 | 13 <b>×</b> 23 | 29 <b>米</b> 41  | 28 <b>\Omega</b> 58 | 169514 | 18°D33         | 17 <b>Ⅱ</b> 42 | 3 <b>M</b> .36 | 1829  | S 31 |

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JANUARY 1928 00:00 UT

| Day          | Sid.t              | 0                           | D                      | ğ              | ·              | ♂                      | 4                  | ħ               | )∤(                   | ¥              | В              | n               | Ω              | Ç            | ķ             | Day          |
|--------------|--------------------|-----------------------------|------------------------|----------------|----------------|------------------------|--------------------|-----------------|-----------------------|----------------|----------------|-----------------|----------------|--------------|---------------|--------------|
| S 1          | 6 37 38            | 9 <b>ට</b> 19'50            | 16 <b>Υ</b> 14         | 4 <b>る</b> 36  | 26M28          | 16 <b>×</b> 749        | 26 <b>)</b> 32     | 13 <b>×</b> 30  | 29 <b>) (</b> 42      | 28°R57         | 16°R13         | 18 <b>Д</b> 33  | 17 <b>Ⅱ</b> 39 | 3M43         | 1°R28         | S 1          |
| M 2          | 6 41 35            | 10°20'59                    | 0 <b>8</b> 27          | 6°11           | 27°38          | 17°33                  | 26°40              | 13°36           | 29°43                 | 28€56          | 169512         | 18°34           | 17°36          | 3°49         | 1 <b>8</b> 27 | M 2          |
| T 3          | 6 45 31            | 11°22'08                    | 14°48                  | 7°47           | 28°49          | 18°16                  | 26°48              | 13°43           | 29°45                 | 28°55          | 16°10          | 18°35           | 17°32          | 3°56         | 1°27          | T 3          |
| W 4          | 6 49 28            | 12°23'17                    | 29°12                  | 9°22           | 29°59          | 18°59                  | 26°56              | 13°50           | 29°46                 | 28°54          | 16° 9          | 18°37           | 17°29          | 4° 3         | 1°26          | W 4          |
| T 5          | 6 53 24            | 13°24'25                    | 13 <b>II</b> 37        | 10°59          | 1711           | 19°43                  | 27° 5              | 13°56           | 29°47                 | 28°53          | 16° 8          | 18°R38          | 17°26          | 4°10         | 1°26          | T 5          |
| F 6          | 6 57 21            | 14°25'34                    | 27°57                  | 12°35          | 2°22           | 20°26                  | 27°13              | 14° 3           | 29°49                 | 28°52          | 16° 7          | 18°37           | 17°23          | 4°16         | 1°25          | F 6          |
| S 7          | 7 1 18             | 15°26'42                    | 1295 7                 | 14°12          | 3°33           | 21°10                  | 27°22              | 14° 9           | 29°50                 | 28°51          | 16° 5          | 18°36           | 17°20          | 4°23         | 1°25          | S 7          |
| S 8          | 7 5 14             | 16°27'50                    | 26° 4                  | 15°49          | 4°44           | 21°54                  | 27°31              | 14°15           | 29°51                 | 28°50          | 16° 4          | 18°33           | 17°17          | 4°30         | 1°25          | S 8          |
| M 9          | 7 9 11             | 17°28'58                    | 9 <b>Ω</b> 42          | 17°27          | 5°55           | 22°37                  | 27°40              | 14°22           | 29°53                 | 28°48          | 16° 3          | 18°28           | 17°13          | 4°36         | 1°24          | M 9          |
| T 10         | 7 13 7             | 18°30'05                    | 23° 0                  | 19° 5          | 7° 6           | 23°21                  | 27°49              | 14°28           | 29°54                 | 28°47          | 16° 2          | 18°23           | 17°10          | 4°43         | 1°24          | T 10         |
| W11          | 7 17 4             | 19°31'13                    | 5 m 57                 | 20°43          | 8°18           | 24° 5                  | 27°58              | 14°34           | 29°56                 | 28°46          | 16° 0          | 18°18           | 17° 7          | 4°50         | 1°24          | W11          |
| T 12         | 7 21 0             | 20°32'20                    | 18°33                  | 22°22<br>24° 2 | 9°29           | 24°49                  | 28° 7              | 14°41           | 29°58                 | 28°45          | 15°59          | 18°14           | 17° 4          | 4°56<br>5° 3 | 1°D24         | T 12         |
| F 13<br>S 14 | 7 24 57<br>7 28 54 | 21°33'28<br>22°34'35        | 0 <b>≙</b> 52<br>12°56 | 25°42          | 10°41<br>11°53 | 25°32<br>26°16         | 28°17<br>28°26     | 14°47<br>14°53  | 29°59<br>0 <b>⋎</b> 1 | 28°44<br>28°42 | 15°58<br>15°57 | 18°10<br>18° 8  | 17° 1<br>16°57 | 5°10         | 1°24<br>1°24  | F 13<br>S 14 |
|              |                    |                             |                        |                |                |                        |                    |                 |                       |                |                |                 |                |              |               |              |
| S 15         | 7 32 50            | 23°35'42                    | 24°51                  | 27°22          | 13° 4          | 27° 0                  | 28°36              | 14°59           | 0° 3                  | 28°41          | 15°55          | 18°D 7          | 16°54          | 5°16         | 1°24          | S 15         |
| M16          | 7 36 47            | 24°36'49                    | 6M41                   | 29° 3          | 14°16          | 27°44                  | 28°46              | 15° 5           | 0° 5                  | 28°40          | 15°54          | 18° 8           | 16°51          | 5°23         | 1°24          | M16          |
| T 17         | 7 40 43            | 25°37'56                    | 18°31                  | 0≈44           | 15°28          | 28°28                  | 28°56              | 15°11           | 0° 7<br>0° 8          | 28°38          | 15°53          | 18°10           | 16°48          | 5°30         | 1°25          | T 17         |
| W18<br>T 19  | 7 44 40<br>7 48 36 | 26°39'02<br>27°40'08        | 0 <b>∡</b> 27<br>12°33 | 2°26<br>4°8    | 16°40<br>17°52 | 29°12<br>29°56         | 29° 6<br>29°17     | 15°17<br>15°23  | 0° 8<br>0°10          | 28°37<br>28°36 | 15°52<br>15°50 | 18°12<br>18°R13 | 16°45<br>16°42 | 5°36<br>5°43 | 1°25<br>1°25  | W18<br>T 19  |
| F 20         | 7 52 33            | 27 40 08<br>28°41'14        | 24°53                  | 5°50           | 17 32<br>19° 4 | 29 36<br>0 <b>중</b> 40 | 29°17<br>29°27     | 15°29           | 0°12                  | 28°34          | 15°49          | 18°13           | 16°42<br>16°38 | 5°50         | 1°26          | F 20         |
| S 21         | 7 56 29            | 29°42'20                    | 7 <b>국</b> 33          | 7°33           | 20°17          | 1°25                   | 29°37              | 15°35           | 0°14                  | 28°33          | 15°48          | 18°11           | 16°35          | 5°56         | 1°26          | S 21         |
|              |                    |                             |                        |                |                |                        |                    |                 | -                     |                |                |                 |                |              |               |              |
| S 22<br>M23  | 8 0 26<br>8 4 23   | 0 <b>≈</b> 43'25<br>1°44'29 | 20°24<br>3 <b>≈</b> 38 | 9°16<br>10°59  | 21°29<br>22°41 | 2° 9<br>2°53           | 29°48<br>29°59     | 15°40<br>15°46  | 0°16<br>0°19          | 28°31<br>28°30 | 15°47<br>15°45 | 18° 7<br>18° 1  | 16°32<br>16°29 | 6° 3<br>6°10 | 1°27<br>1°27  | S 22<br>M23  |
| T 24         | 8 8 19             | 2°45'32                     | 17° 9                  | 10°39          | 23°54          | 3°37                   | $0\mathbf{Y}_{10}$ | 15°52           | 0°21                  | 28°28          | 15°44          | 17°53           | 16°26          | 6°16         | 1°28          | T 24         |
| W25          | 8 12 16            | 3°46'35                     | 0 <b>)</b> €55         | 14°25          | 25° 6          | 4°22                   | 0°20               | 15°57           | 0°23                  | 28°27          | 15°43          | 17°45           | 16°23          | 6°23         | 1°29          | W25          |
| T 26         | 8 16 12            | 4°47'36                     | 14°52                  | 16° 9          | 26°19          | 5° 6                   | 0°32               | 16° 3           | 0°25                  | 28°25          | 15°42          | 17°37           | 16°19          | 6°30         | 1°30          | T 26         |
| F 27         | 8 20 9             | 5°48'37                     | 28°57                  | 17°51          | 27°31          | 5°50                   | 0°43               | 16° 8           | 0°27                  | 28°24          | 15°41          | 17°31           | 16°16          | 6°37         | 1°30          | F 27         |
| S 28         | 8 24 5             | 6°49'36                     | 13 <b>°</b> 5          | 19°34          | 28°44          | 6°35                   | 0°54               | 16°13           | 0°30                  | 28°22          | 15°39          | 17°26           | 16°13          | 6°43         | 1°31          | S 28         |
| S 29         | 8 28 2             | 7°50'34                     | 27°14                  | 21°15          | 29°56          | 7°19                   | 1° 5               | 16°19           | 0°32                  | 28°21          | 15°38          | 17°24           | 16°10          | 6°50         | 1°32          | S 29         |
| M30          | 8 31 58            | 8°51'31                     | 11821                  | 22°56          | 1る 9           | 8° 4                   | 1°17               | 16°24           | 0°35                  | 28°19          | 15°37          | 17°D23          | 16° 7          | 6°57         | 1°33          | M30          |
| T 31         | 8 35 55            | 9≈52'27                     | 25 <b>8</b> 27         | 24≈35          | 2 <b>ろ</b> 22  | 8 <b>건</b> 48          | 1 <b>Υ</b> 28      | 16 <b>×</b> 129 | 0 <b>Υ</b> 37         | 28 <b>Ω</b> 18 | 15936          | 17 <b>Ⅱ</b> 24  | 16耳 3          | 7 <b>™</b> 3 | 1 <b>8</b> 34 | T 31         |

Delta T = 24.31 sec

FEBRUARY 1928 00:00 UT

| Day  | Sid.t    | $\odot$          | <b>)</b>       | φ             | φ             | ď             | 4             | ħ              | )ұ(           | ¥              | 2      | ß              | Ω               | Ç              | Š             | Day  |
|------|----------|------------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|----------------|--------|----------------|-----------------|----------------|---------------|------|
| W 1  | 8 39 52  | 10≈53'21         | 9П28           | 26≈12         | 3 <b>ට</b> 34 | 9 <b>ට</b> 33 | 1 <b>Υ</b> 40 | 16 <b>×</b> 34 | 0 <b>Υ</b> 39 | 28°R16         | 15°R35 | 17∏25          | 16 <b>I</b> I 0 | 7 <b>M</b> .10 | 1836          | W 1  |
| T 2  | 8 43 48  | 11°54'15         | 23°26          | 27°48         | 4°47          | 10°17         | 1°52          | 16°39          | 0°42          | 28 <b>Ω</b> 15 | 15934  | 17°R25         | 15°57           | 7°17           | 1°37          | T 2  |
| F 3  | 8 47 45  | 12°55'07         | 79917          | 29°21         | 6° 0          | 11° 2         | 2° 3          | 16°44          | 0°44          | 28°13          | 15°33  | 17°23          | 15°54           | 7°23           | 1°38          | F 3  |
| S 4  | 8 51 41  | 13°55'57         | 21° 1          | 0 <b>¥</b> 51 | 7°13          | 11°46         | 2°15          | 16°49          | 0°47          | 28°11          | 15°31  | 17°19          | 15°51           | 7°30           | 1°39          | S 4  |
| S 5  | 8 55 38  | 14°56'47         | 4Ω34           | 2°17          | 8°26          | 12°31         | 2°27          | 16°54          | 0°50          | 28°10          | 15°30  | 17°12          | 15°48           | 7°37           | 1°41          | S 5  |
| M 6  | 8 59 34  | 15°57'35         | 17°54          | 3°39          | 9°39          | 13°16         | 2°39          | 16°59          | 0°52          | 28° 8          | 15°29  | 17° 3          | 15°44           | 7°43           | 1°42          | M 6  |
| T 7  | 9 3 31   | 16°58'21         | 1 Mp 0         | 4°56          | 10°52         | 14° 1         | 2°52          | 17° 4          | 0°55          | 28° 6          | 15°28  | 16°52          | 15°41           | 7°50           | 1°43          | T 7  |
| W 8  | 9 7 27   | 17°59'07         | 13°49          | 6° 7          | 12° 5         | 14°45         | 3° 4          | 17° 8          | 0°58          | 28° 5          | 15°27  | 16°40          | 15°38           | 7°57           | 1°45          | W 8  |
| T 9  | 9 11 24  | 18°59'51         | 26°22          | 7°11          | 13°18         | 15°30         | 3°16          | 17°13          | 1° 0          | 28° 3          | 15°26  | 16°29          | 15°35           | 8° 3           | 1°47          | T 9  |
| F 10 | 9 15 21  | 20° 0'35         | 8 <u>0</u> 39  | 8° 9          | 14°31         | 16°15         | 3°29          | 17°17          | 1° 3          | 28° 2          | 15°25  | 16°20          | 15°32           | 8°10           | 1°48          | F 10 |
| S 11 | 9 19 17  | 21° 1'17         | 20°43          | 8°59          | 15°44         | 17° 0         | 3°41          | 17°22          | 1° 6          | 28° 0          | 15°24  | 16°13          | 15°28           | 8°17           | 1°50          | S 11 |
| S 12 | 9 23 14  | 22° 1'58         | 2 <b>M</b> 38  | 9°40          | 16°57         | 17°45         | 3°54          | 17°26          | 1° 9          | 27°58          | 15°23  | 16° 9          | 15°25           | 8°23           | 1°52          | S 12 |
| M13  | 9 27 10  | 23° 2'38         | 14°27          | 10°11         | 18°10         | 18°30         | 4° 6          | 17°30          | 1°11          | 27°57          | 15°22  | 16° 7          | 15°22           | 8°30           | 1°53          | M13  |
| T 14 | 9 31 7   | 24° 3'17         | 26°17          | 10°33         | 19°24         | 19°15         | 4°19          | 17°34          | 1°14          | 27°55          | 15°21  | 16°D 6         | 15°19           | 8°37           | 1°55          | T 14 |
| W15  | 9 35 3   | 25° 3'55         | 8 <b>√</b> 11  | 10°45         | 20°37         | 20° 0         | 4°32          | 17°38          | 1°17          | 27°53          | 15°20  | 16° 7          | 15°16           | 8°43           | 1°57          | W15  |
| T 16 | 9 39 0   | 26° 4'32         | 2 <u>0</u> °17 | 10°R46        | 21°50         | 20°45         | 4°45          | 17°42          | 1°20          | 27°51          | 15°19  | 16°R 7         | 15°13           | 8°50           | 1°59          | T 16 |
| F 17 | 9 42 56  | 27° 5'07         | 2 <b>ප</b> 39  | 10°36         | 23° 3         | 21°30         | 4°58          | 17°46          | 1°23          | 27°50          | 15°18  | 16° 6          | 15° 9           | 8°57           | 2° 1          | F 17 |
| S 18 | 9 46 53  | 28° 5'41         | 15°22          | 10°17         | 24°17         | 22°15         | 5°11          | 17°50          | 1°26          | 27°48          | 15°17  | 16° 2          | 15° 6           | 9° 3           | 2° 3          | S 18 |
| S 19 | 9 50 50  | 29° 6'14         | 28°27          | 9°47          | 25°30         | 23° 0         | 5°24          | 17°54          | 1°29          | 27°46          | 15°17  | 15°56          | 15° 3           | 9°10           | 2° 5          | S 19 |
| M20  | 9 54 46  | 0 <b>光</b> 6'45  | 11≈57          | 9° 9          | 26°43         | 23°45         | 5°37          | 17°57          | 1°32          | 27°45          | 15°16  | 15°47          | 15° 0           | 9°17           | 2° 7          | M20  |
| T 21 | 9 58 43  | 1° 7'15          | 25°50          | 8°22          | 27°57         | 24°31         | 5°50          | 18° 1          | 1°35          | 27°43          | 15°15  | 15°36          | 14°57           | 9°23           | 2° 9          | T 21 |
| W22  | 10 2 39  | 2° 7'44          | 10 <b>米</b> 2  | 7°29          | 29°10         | 25°16         | 6° 3          | 18° 5          | 1°38          | 27°41          | 15°14  | 15°24          | 14°54           | 9°30           | 2°11          | W22  |
| T 23 | 10 6 36  | 3° 8'10          | 24°28          | 6°30          | 0≈24          | 26° 1         | 6°17          | 18° 8          | 1°41          | 27°40          | 15°13  | 15°12          | 14°50           | 9°37           | 2°14          | T 23 |
| F 24 | 10 10 32 | 4° 8'35          | 9 <b>℃</b> 0   | 5°28          | 1°37          | 26°46         | 6°30          | 18°11          | 1°44          | 27°38          | 15°13  | 15° 2          | 14°47           | 9°43           | 2°16          | F 24 |
| S 25 | 10 14 29 | 5° 8'58          | 23°33          | 4°23          | 2°51          | 27°32         | 6°43          | 18°15          | 1°48          | 27°36          | 15°12  | 14°54          | 14°44           | 9°50           | 2°18          | S 25 |
| S 26 | 10 18 25 | 6° 9'19          | 7 <b>8</b> 59  | 3°18          | 4° 4          | 28°17         | 6°57          | 18°18          | 1°51          | 27°35          | 15°11  | 14°49          | 14°41           | 9°57           | 2°21          | S 26 |
| M27  | 10 22 22 | 7° 9'38          | 22°16          | 2°14          | 5°18          | 29° 2         | 7°10          | 18°21          | 1°54          | 27°33          | 15°10  | 14°47          | 14°38           | 10° 3          | 2°23          | M27  |
| T 28 | 10 26 19 | 8° 9'55          | 6 <b>Ⅱ</b> 22  | 1°12          | 6°31          | 29°48         | 7°24          | 18°24          | 1°57          | 27°31          | 15°10  | 14°46          | 14°34           | 10°10          | 2°26          | T 28 |
| W29  | 10 30 15 | 9 <b>)</b> 10'10 | 20Ⅱ15          | 0 <b>∺</b> 14 | 7≈45          | 0≈33          | 7 <b>Ƴ</b> 38 | 18 <b>∡</b> 27 | 2 <b>Υ</b> 0  | 27 <b>Ω</b> 30 | 1599 9 | 14 <b>Ⅱ</b> 46 | 14 <b>II</b> 31 | 10 <b>M</b> 17 | 2 <b>8</b> 28 | W29  |

Delta T = 24.32 sec

MARCH 1928 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | Ŷ              | ð     | 4              | ħ              | )∤(           | 卉              | В      | ß              | ß              | Ç               | Ş,            | Day  |
|------|----------|-------------------|----------------|----------------|----------------|-------|----------------|----------------|---------------|----------------|--------|----------------|----------------|-----------------|---------------|------|
| T 1  | 10 34 12 | 10 <b>¥</b> 10′23 | 3956           | 29°R20         | 8≈58           | 1≈19  | 7 <b>Υ</b> 51  | 18 <b>×</b> 29 | 2 <b>Υ</b> 4  | 27°R28         | 15°R 8 | 14°R45         | 14∏28          | 10M23           | 2 <b>8</b> 31 | T 1  |
| F 2  | 10 38 8  | 11°10'34          | 17°26          | 28≈33          | 10°12          | 2° 4  | 8° 5           | 18°32          | 2° 7          | $27\Omega 27$  | 1595 8 | 14 <b>Ⅱ</b> 42 | 14°25          | 10°30           | 2°33          | F 2  |
| S 3  | 10 42 5  | 12°10'43          | 0 <b>Ω</b> 45  | 27°51          | 11°25          | 2°49  | 8°19           | 18°35          | 2°10          | 27°25          | 15° 7  | 14°37          | 14°22          | 10°37           | 2°36          | S 3  |
| S 4  | 10 46 1  | 13°10'50          | 13°54          | 27°16          | 12°39          | 3°35  | 8°33           | 18°37          | 2°13          | 27°23          | 15° 6  | 14°28          | 14°19          | 10°43           | 2°39          | S 4  |
| M 5  | 10 49 58 | 14°10'54          | 26°52          | 26°48          | 13°52          | 4°20  | 8°46           | 18°39          | 2°17          | 27°22          | 15° 6  | 14°16          | 14°15          | 10°50           | 2°42          | M 5  |
| T 6  | 10 53 54 | 15°10'57          | 9 <b>₥</b> 38  | 26°27          | 15° 6          | 5° 6  | 9° 0           | 18°42          | 2°20          | 27°20          | 15° 5  | 14° 3          | 14°12          | 10°57           | 2°44          | T 6  |
| W 7  | 10 57 51 | 16°10'58          | 22°13          | 26°13          | 16°19          | 5°52  | 9°14           | 18°44          | 2°23          | 27°19          | 15° 5  | 13°49          | 14° 9          | 11° 3           | 2°47          | W 7  |
| T 8  | 11 148   | 17°10'57          | 4 <b>Ω</b> 35  | 26° 5          | 17°33          | 6°37  | 9°28           | 18°46          | 2°27          | 27°17          | 15° 4  | 13°35          | 14° 6          | 11°10           | 2°50          | T 8  |
| F 9  | 11 5 44  | 18°10'54          | 16°45          | 26°D 4         | 18°47          | 7°23  | 9°42           | 18°48          | 2°30          | 27°15          | 15° 4  | 13°23          | 14° 3          | 11°17           | 2°53          | F 9  |
| S 10 | 11 941   | 19°10'50          | 28°45          | 26° 9          | 20° 0          | 8° 8  | 9°56           | 18°50          | 2°33          | 27°14          | 15° 3  | 13°14          | 14° 0          | 11°23           | 2°56          | S 10 |
| S 11 | 11 13 37 | 20°10'43          | 10 <b>ጤ</b> 37 | 26°19          | 21°14          | 8°54  | 10°10          | 18°52          | 2°37          | 27°12          | 15° 3  | 13° 7          | 13°56          | 11°30           | 2°59          | S 11 |
| M12  | 11 17 34 | 21°10'35          | 22°26          | 26°36          | 22°27          | 9°40  | 10°24          | 18°54          | 2°40          | 27°11          | 15° 2  | 13° 4          | 13°53          | 11°37           | 3° 2          | M12  |
| T 13 | 11 21 30 | 22°10'26          | 4 <b>₹</b> 14  | 26°58          | 23°41          | 10°25 | 10°39          | 18°55          | 2°43          | 27° 9          | 15° 2  | 13° 2          | 13°50          | 11°43           | 3° 5          | T 13 |
| W14  | 11 25 27 | 23°10'14          | 16° 7          | 27°24          | 24°55          | 11°11 | 10°53          | 18°57          | 2°47          | 27° 8          | 15° 2  | 13°D 2         | 13°47          | 11°50           | 3° 8          | W14  |
| T 15 | 11 29 23 | 24°10'01          | 28°12          | 27°56          | 26° 8          | 11°57 | 11° 7          | 18°58          | 2°50          | 27° 6          | 15° 1  | 13°R 2         | 13°44          | 11°57           | 3°11          | T 15 |
| F 16 | 11 33 20 | 25° 9'47          | 10 <b>궁</b> 32 | 28°31          | 27°22          | 12°43 | 11°21          | 19° 0          | 2°54          | 27° 5          | 15° 1  | 13° 1          | 13°40          | 12° 3           | 3°14          | F 16 |
| S 17 | 11 37 16 | 26° 9'30          | 23°13          | 29°11          | 28°36          | 13°28 | 11°35          | 19° 1          | 2°57          | 27° 3          | 15° 1  | 12°58          | 13°37          | 12°10           | 3°17          | S 17 |
| S 18 | 11 41 13 | 27° 9'12          | 6≈20           | 29°55          | 29°49          | 14°14 | 11°50          | 19° 2          | 3° 0          | 27° 2          | 15° 0  | 12°53          | 13°34          | 12°17           | 3°20          | S 18 |
| M19  | 11 45 10 | 28° 8'52          | 19°54          | 0 <b>)</b> 42  | 1 <b>∺</b> 3   | 15° 0 | 12° 4          | 19° 3          | 3° 4          | 27° 1          | 15° 0  | 12°45          | 13°31          | 12°23           | 3°24          | M19  |
| T 20 | 11 49 6  | 29° 8'30          | 3 <b>∺</b> 57  | 1°33           | 2°17           | 15°46 | 12°18          | 19° 4          | 3° 7          | 26°59          | 15° 0  | 12°35          | 13°28          | 12°30           | 3°27          | T 20 |
| W21  | 11 53 3  | 0 <b>℃</b> 8'06   | 18°24          | 2°26           | 3°31           | 16°32 | 12°33          | 19° 5          | 3°11          | 26°58          | 15° 0  | 12°24          | 13°25          | 12°37           | 3°30          | W21  |
| T 22 | 11 56 59 | 1° 7'40           | 3 <b>⋎</b> 9   | 3°23           | 4°44           | 17°18 | 12°47          | 19° 6          | 3°14          | 26°57          | 14°59  | 12°13          | 13°21          | 12°43           | 3°33          | T 22 |
| F 23 | 12 0 56  | 2° 7'13           | 18° 6          | 4°23           | 5°58           | 18° 3 | 13° 1          | 19° 6          | 3°18          | 26°55          | 14°59  | 12° 4          | 13°18          | 12°50           | 3°37          | F 23 |
| S 24 | 12 4 52  | 3° 6'43           | 3 <b>8</b> 3   | 5°25           | 7°12           | 18°49 | 13°16          | 19° 7          | 3°21          | 26°54          | 14°59  | 11°56          | 13°15          | 12°57           | 3°40          | S 24 |
| S 25 | 12 8 49  | 4° 6'10           | 17°53          | 6°30           | 8°25           | 19°35 | 13°30          | 19° 7          | 3°24          | 26°53          | 14°59  | 11°52          | 13°12          | 13° 3           | 3°43          | S 25 |
| M26  | 12 12 45 | 5° 5'36           | 2Ⅱ29           | 7°37           | 9°39           | 20°21 | 13°45          | 19° 7          | 3°28          | 26°51          | 14°59  | 11°50          | 13° 9          | 13°10           | 3°47          | M26  |
| T 27 | 12 16 42 | 6° 5'00           | 16°47          | 8°46           | 10°53          | 21° 7 | 13°59          | 19° 8          | 3°31          | 26°50          | 14°59  | 11°D49         | 13° 5          | 13°17           | 3°50          | T 27 |
| W28  | 12 20 39 | 7° 4'21           | 0ණ45           | 9°58           | 12° 7          | 21°53 | 14°14          | 19° 8          | 3°35          | 26°49          | 14°59  | 11°R50         | 13° 2          | 13°23           | 3°54          | W28  |
| T 29 | 12 24 35 | 8° 3'40           | 14°24          | 11°12          | 13°20          | 22°39 | 14°28          | 19°R 8         | 3°38          | 26°48          | 14°D59 | 11°50          | 12°59          | 13°30           | 3°57          | T 29 |
| F 30 | 12 28 32 | 9° 2'56           | 27°46          | 12°27          | 14°34          | 23°25 | 14°43          | 19° 8          | 3°42          | 26°47          | 14°59  | 11°48          | 12°56          | 13°37           | 4° 1          | F 30 |
| S 31 | 12 32 28 | 10 <b>Y</b> 2'10  | 10 <b>Ω</b> 51 | 13 <b>)</b> 45 | 15 <b>)</b> 48 | 24≈11 | 14 <b>Y</b> 57 | 19 <b>×</b> 8  | 3 <b>Ƴ</b> 45 | 26 <b>Ω</b> 46 | 149559 | 11 <b>∏</b> 44 | 12 <b>Ⅱ</b> 53 | 13 <b>M</b> .43 | 48 4          | S 31 |

Delta T = 24.33 sec

APRIL 1928 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ             | φ              | ♂             | 4              | ħ               | )f(           | ¥              | В      | u              | v     | Ç              | ę,            | Day  |
|------|----------|------------------|----------------|---------------|----------------|---------------|----------------|-----------------|---------------|----------------|--------|----------------|-------|----------------|---------------|------|
| S 1  | 12 36 25 | 11 <b>°</b> 1'22 | 23 <b>Ω</b> 42 | 15 <b>)</b> 4 | 17 <b>)</b> 1  | 24≈57         | 15 <b>Y</b> 12 | 19°R 7          | <b>3</b> Υ48  | 26°R44         | 149559 | 11°R38         | 12耳50 | 13 <b>M</b> 50 | 4 <b>8</b> 8  | S 1  |
| M 2  | 12 40 21 | 12° 0'31         | 6Mp22          | 16°25         | 18°15          | 25°43         | 15°26          | 19 <b>🗷</b> 7   | 3°52          | 26 <b>Ω</b> 43 | 14°59  | 11 <b>Ⅱ</b> 29 | 12°46 | 13°57          | 4°11          | M 2  |
| T 3  | 12 44 18 | 12°59'38         | 18°50          | 17°49         | 19°29          | 26°29         | 15°41          | 19° 7           | 3°55          | 26°42          | 14°59  | 11°19          | 12°43 | 14° 3          | 4°15          | T 3  |
| W 4  | 12 48 14 | 13°58'43         | 1 <b>≏</b> 8   | 19°13         | 20°42          | 27°14         | 15°55          | 19° 6           | 3°59          | 26°41          | 14°59  | 11°8           | 12°40 | 14°10          | 4°18          | W 4  |
| T 5  | 12 52 11 | 14°57'46         | 13°17          | 20°40         | 21°56          | 28° 0         | 16°10          | 19° 5           | 4° 2          | 26°40          | 14°59  | 10°57          | 12°37 | 14°17          | 4°22          | T 5  |
| F 6  | 12 56 8  | 15°56'47         | 25°18          | 22° 8         | 23°10          | 28°46         | 16°24          | 19° 5           | 4° 5          | 26°39          | 15° 0  | 10°48          | 12°34 | 14°23          | 4°26          | F 6  |
| S 7  | 13 0 4   | 16°55'46         | 7 <b>M</b> 12  | 23°37         | 24°23          | 29°32         | 16°38          | 19° 4           | 4° 9          | 26°38          | 15° 0  | 10°40          | 12°31 | 14°30          | 4°29          | S 7  |
| S 8  | 13 4 1   | 17°54'43         | 19° 2          | 25° 9         | 25°37          | 0 <b>∺</b> 18 | 16°53          | 19° 3           | 4°12          | 26°37          | 15° 0  | 10°36          | 12°27 | 14°37          | 4°33          | S 8  |
| M 9  | 13 7 57  | 18°53'38         | 0 <b>₮</b> 49  | 26°42         | 26°51          | 1° 4          | 17° 7          | 19° 2           | 4°15          | 26°36          | 15° 0  | 10°33          | 12°24 | 14°43          | 4°37          | M 9  |
| T 10 | 13 11 54 | 19°52'31         | 12°38          | 28°16         | 28° 5          | 1°50          | 17°22          | 19° 1           | 4°19          | 26°36          | 15° 1  | 10°D33         | 12°21 | 14°50          | 4°40          | T 10 |
| W11  | 13 15 50 | 20°51'22         | 24°32          | 29°52         | 29°18          | 2°36          | 17°36          | 18°59           | 4°22          | 26°35          | 15° 1  | 10°33          | 12°18 | 14°57          | 4°44          | W11  |
| T 12 | 13 19 47 | 21°50'12         | 6 <b>ප</b> 35  | 1 <b>Y</b> 30 | 0 <b>Υ</b> 32  | 3°22          | 17°51          | 18°58           | 4°25          | 26°34          | 15° 1  | 10°35          | 12°15 | 15° 3          | 4°48          | T 12 |
| F 13 | 13 23 43 | 22°49'00         | 18°54          | 3° 9          | 1°46           | 4° 8          | 18° 5          | 18°57           | 4°29          | 26°33          | 15° 2  | 10°R36         | 12°11 | 15°10          | 4°51          | F 13 |
| S 14 | 13 27 40 | 23°47'47         | 1≈33           | 4°50          | 2°59           | 4°54          | 18°20          | 18°55           | 4°32          | 26°32          | 15° 2  | 10°35          | 12° 8 | 15°17          | 4°55          | S 14 |
| S 15 | 13 31 37 | 24°46'31         | 14°35          | 6°32          | 4°13           | 5°40          | 18°34          | 18°53           | 4°35          | 26°32          | 15° 2  | 10°33          | 12° 5 | 15°23          | 4°59          | S 15 |
| M16  | 13 35 33 | 25°45'14         | 28° 6          | 8°16          | 5°27           | 6°26          | 18°49          | 18°52           | 4°39          | 26°31          | 15° 3  | 10°30          | 12° 2 | 15°30          | 5° 3          | M16  |
| T 17 | 13 39 30 | 26°43'55         | 12 <b>米</b> 5  | 10° 2         | 6°40           | 7°12          | 19° 3          | 18°50           | 4°42          | 26°30          | 15° 3  | 10°24          | 11°59 | 15°37          | 5° 6          | T 17 |
| W18  | 13 43 26 | 27°42'35         | 26°32          | 11°49         | 7°54           | 7°58          | 19°18          | 18°48           | 4°45          | 26°30          | 15° 4  | 10°18          | 11°56 | 15°43          | 5°10          | W18  |
| T 19 | 13 47 23 | 28°41'12         | 11 <b>Y</b> 22 | 13°38         | 9° 8           | 8°44          | 19°32          | 18°46           | 4°48          | 26°29          | 15° 4  | 10°11          | 11°52 | 15°50          | 5°14          | T 19 |
| F 20 | 13 51 19 | 29°39'48         | 26°28          | 15°28         | 10°22          | 9°30          | 19°46          | 18°44           | 4°51          | 26°28          | 15° 5  | 10° 6          | 11°49 | 15°57          | 5°18          | F 20 |
| S 21 | 13 55 16 | 0 <b>8</b> 38'22 | 11 <b>8</b> 39 | 17°20         | 11°35          | 10°16         | 20° 1          | 18°42           | 4°55          | 26°28          | 15° 5  | 10° 1          | 11°46 | 16° 3          | 5°21          | S 21 |
| S 22 | 13 59 12 | 1°36'54          | 26°47          | 19°14         | 12°49          | 11° 2         | 20°15          | 18°40           | 4°58          | 26°27          | 15° 6  | 9°59           | 11°43 | 16°10          | 5°25          | S 22 |
| M23  | 14 3 9   | 2°35'24          | 11 <b>Ⅱ</b> 42 | 21° 9         | 14° 3          | 11°48         | 20°29          | 18°37           | 5° 1          | 26°27          | 15° 6  | 9°D58          | 11°40 | 16°17          | 5°29          | M23  |
| T 24 | 14 7 6   | 3°33'52          | 26°17          | 23° 6         | 15°16          | 12°34         | 20°44          | 18°35           | 5° 4          | 26°26          | 15° 7  | 9°59           | 11°37 | 16°23          | 5°33          | T 24 |
| W25  | 14 11 2  | 4°32'18          | 109528         | 25° 4         | 16°30          | 13°20         | 20°58          | 18°32           | 5° 7          | 26°26          | 15° 8  | 10° 1          | 11°33 | 16°30          | 5°37          | W25  |
| T 26 | 14 14 59 | 5°30'41          | 24°16          | 27° 4         | 17°44          | 14° 5         | 21°12          | 18°30           | 5°10          | 26°26          | 15° 8  | 10° 2          | 11°30 | 16°37          | 5°40          | T 26 |
| F 27 | 14 18 55 | 6°29'03          | $7\Omega 40$   | 29° 6         | 18°57          | 14°51         | 21°27          | 18°27           | 5°13          | 26°25          | 15° 9  | 10°R 2         | 11°27 | 16°43          | 5°44          | F 27 |
| S 28 | 14 22 52 | 7°27'22          | 20°42          | 18 9          | 20°11          | 15°37         | 21°41          | 18°24           | 5°16          | 26°25          | 15°10  | 10° 1          | 11°24 | 16°50          | 5°48          | S 28 |
| S 29 | 14 26 48 | 8°25'39          | 3 Mp 26        | 3°13          | 21°24          | 16°23         | 21°55          | 18°22           | 5°19          | 26°25          | 15°10  | 9°59           | 11°21 | 16°57          | 5°52          | S 29 |
| M30  | 14 30 45 | 9 <b>8</b> 23'55 | 15 <b>M</b> 55 | 5 <b>8</b> 19 | 22 <b>Y</b> 38 | 17 <b>米</b> 9 | 22 <b>Y</b> 9  | 18 <b>,7</b> 19 | 5 <b>Ƴ</b> 22 | 26 <b>Ω</b> 24 | 159911 | 9耳56           | 11耳17 | 17 <b>M</b> 3  | 5 <b>8</b> 56 | M30  |

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| Day         | Sid.t                | 0                    | D                       | ğ                      | ·                      | ð                     | 4                      | ħ              | ) <b>f</b> (     | 卉                            | Р              | n             | v                                  | Ç                        | ę,            | Day         |
|-------------|----------------------|----------------------|-------------------------|------------------------|------------------------|-----------------------|------------------------|----------------|------------------|------------------------------|----------------|---------------|------------------------------------|--------------------------|---------------|-------------|
| T 1         | 14 34 41             | 10822'08             | 28 <b>m</b> /11         | 7 <b>8</b> 26          | 23 <b>Y</b> 52         | 17 <b>米</b> 55        | 22 <b>Y</b> 23         | 18°R16         | 5 <b>Υ</b> 25    | 26°R24                       | 159612         | 9°R51         | 11 <b>I</b> I14                    | 17 <b>M</b> .10          | 5 <b>8</b> 59 | T 1         |
| W 2         | 14 38 38             | 11°20'19             | 10-17                   | 9°34                   | 25° 5                  | 18°40                 | 22°37                  | 18 <b>×</b> 13 | 5°28             | 26Ω24                        | 15°13          | 9 <b>Ⅱ</b> 46 | 11°11                              | 17°16                    | 6° 3          | W 2         |
| T 3<br>F 4  | 14 42 35<br>14 46 31 | 12°18'28<br>13°16'36 | 22°15<br>4M 8           | 11°43<br>13°52         | 26°19<br>27°33         | 19°26<br>20°12        | 22°51<br>23° 5         | 18°10<br>18° 6 | 5°31<br>5°34     | 26°24<br>26°24               | 15°13<br>15°14 | 9°41<br>9°37  | 11° 8<br>11° 5                     | 17°23<br>17°30           | 6° 7<br>6°11  | T 3<br>F 4  |
| S 5         | 14 40 31             | 13 16 36<br>14°14'42 | 15°58                   | 16° 2                  | 27 33<br>28°46         | 20°58                 | 23°19                  | 18° 3          | 5°37             | 26°24                        | 15°15          | 9°34          | 11° 2                              | 17°36                    | 6°14          | S 5         |
|             |                      |                      |                         |                        |                        |                       |                        |                |                  |                              |                |               |                                    |                          |               | 1 1         |
| S 6<br>M 7  | 14 54 24<br>14 58 21 | 15°12'46<br>16°10'48 | 27°46<br>9 <b>∡</b> ³35 | 18°12<br>20°22         | 29°59<br>1 <b>8</b> 13 | 21°43<br>22°29        | 23°33<br>23°47         | 18° 0<br>17°57 | 5°40<br>5°42     | 26°23<br>26°23               | 15°16<br>15°17 | 9°32<br>9°D32 | 10°58<br>10°55                     | 17°43<br>17°50           | 6°18<br>6°22  | S 6<br>M 7  |
| T 8         | 15 2 17              | 17° 8'49             | 21°27                   | 20°22<br>22°32         | 2°27                   | 23°15                 | 24° 1                  | 17°53          | 5°45             | 26°D23                       | 15°18          | 9°32          | 10°52                              | 17°56                    | 6°26          | T 8         |
| W 9         | 15 6 14              | 18° 6'49             | 3 <b>ප</b> 26           | 24°41                  | 3°41                   | 24° 0                 | 24°15                  | 17°50          | 5°48             | 26°23                        | 15°19          | 9°33          | 10°49                              | 18° 3                    | 6°29          | W 9         |
| T 10        | 15 10 10             | 19° 4'47             | 15°34                   | 26°49                  | 4°54                   | 24°46                 | 24°29                  | 17°46          | 5°51             | 26°23                        | 15°19          | 9°35          | 10°46                              | 18°10                    | 6°33          | T 10        |
| F 11        | 15 14 7              | 20° 2'44             | 27°56                   | 28°56                  | 6° 8                   | 25°32                 | 24°43                  | 17°42          | 5°53             | 26°24                        | 15°20          | 9°36          | 10°43                              | 18°16                    | 6°37          | F 11        |
| S 12        | 15 18 4              | 21° 0'40             | 10≈35                   | 1 <b>II</b> 2          | 7°21                   | 26°17                 | 24°56                  | 17°39          | 5°56             | 26°24                        | 15°21          | 9°37          | 10°39                              | 18°23                    | 6°41          | S 12        |
| S 13        | 15 22 0              | 21°58'34             | 23°35                   | 3° 6                   | 8°35                   | 27° 3                 | 25°10                  | 17°35          | 5°59             | 26°24                        | 15°22          | 9°R38         | 10°36                              | 18°30                    | 6°44          | S 13        |
| M14         | 15 25 57             | 22°56'27             | 6 <b>¥</b> 59           | 5° 8                   | 9°49                   | 27°48                 | 25°24                  | 17°31          | 6° 1             | 26°24                        | 15°23          | 9°37          | 10°33                              | 18°36                    | 6°48          | M14         |
| T 15        | 15 29 53             | 23°54'19             | 20°50                   | 7° 7                   | 11° 2                  | 28°34                 | 25°37                  | 17°27          | 6° 4             | 26°24                        | 15°24          | 9°36          | 10°30                              | 18°43                    | 6°52          | T 15        |
| W16<br>T 17 | 15 33 50<br>15 37 46 | 24°52'10<br>25°49'59 | 5 <b>°</b> 6<br>19°47   | 9° 5<br>10°59          | 12°16<br>13°30         | 29°19<br>0 <b>⋎</b> 5 | 25°51<br>26° 4         | 17°23<br>17°20 | 6° 6<br>6° 9     | 26°25<br>26°25               | 15°25<br>15°27 | 9°34<br>9°33  | 10°27<br>10°23                     | 18°50<br>18°56           | 6°55<br>6°59  | W16<br>T 17 |
| F 18        | 15 3 / 46            | 25°49'39<br>26°47'47 | 4 <b>8</b> 45           | 10°59<br>12°51         | 13°30<br>14°43         | 0°50                  | 26° 4<br>26°18         | 17°20<br>17°16 | 6°11             | 26°25                        | 15°27<br>15°28 | 9°33          | 10°23<br>10°20                     | 18°36                    | 7° 3          | F 18        |
| S 19        | 15 45 39             | 27°45'34             | 19°55                   | 14°41                  | 15°57                  | 1°35                  | 26°31                  | 17°12          | 6°14             | 26°26                        | 15°29          | 9°30          | 10°20                              | 19°10                    | 7° 6          | S 19        |
| S 20        | 15 49 36             | 28°43'20             | 5 <b>П</b> 6            | 16°27                  | 17°10                  | 2°21                  | 26°45                  | 17° 7          | 6°16             | 26°26                        | 15°30          | 9°D30         | 10°14                              | 19°16                    | 7°10          | S 20        |
| M21         | 15 53 33             | 29°41'04             | 20° 8                   | 18°10                  | 18°24                  | 3° 6                  | 26°58                  | 17° 3          | 6°19             | 26°26                        | 15°31          | 9°30          | 10°14                              | 19°23                    | 7°13          | M21         |
| T 22        | 15 57 29             | 0 <b>Ⅲ</b> 38'47     | 4955                    | 19°51                  | 19°38                  | 3°51                  | 27°11                  | 16°59          | 6°21             | 26°27                        | 15°32          | 9°30          | 10° 8                              | 19°30                    | 7°17          | T 22        |
| W23         | 16 1 26              | 1°36'28              | 19°19                   | 21°28                  | 20°51                  | 4°36                  | 27°24                  | 16°55          | 6°23             | 26°27                        | 15°33          | 9°31          | 10° 4                              | 19°36                    | 7°21          | W23         |
| T 24        | 16 5 22              | 2°34'08              | 3 <b>Ω</b> 18           | 23° 2                  | 22° 5                  | 5°22                  | 27°37                  | 16°51          | 6°25             | 26°28                        | 15°34          | 9°32          | 10° 1                              | 19°43                    | 7°24          | T 24        |
| F 25        | 16 9 19              | 3°31'47              | 16°50                   | 24°33                  | 23°18                  | 6° 7                  | 27°50                  | 16°47          | 6°28             | 26°28                        | 15°36          | 9°32          | 9°58                               | 19°50                    | 7°28          | F 25        |
| S 26        | 16 13 15             | 4°29'24              | 29°56                   | 26° 0                  | 24°32                  | 6°52                  | 28° 3                  | 16°42          | 6°30             | 26°29                        | 15°37          | 9°R32         | 9°55                               | 19°56                    | 7°31          | S 26        |
| S 27        | 16 17 12             | 5°26'59              | 12 <b>m</b> /41         | 27°24                  | 25°46                  | 7°37                  | 28°16                  | 16°38          | 6°32             | 26°30                        | 15°38          | 9°32          | 9°52                               | 20° 3                    | 7°35          | S 27        |
| M28         | 16 21 8              | 6°24'33              | 25° 6                   | 28°45                  | 26°59                  | 8°22                  | 28°29                  | 16°34          | 6°34             | 26°30                        | 15°39          | 9°32          | 9°49                               | 20°10                    | 7°38          | M28         |
| T 29<br>W30 | 16 25 5<br>16 29 2   | 7°22'05<br>8°19'36   | 7 <b>≙</b> 17<br>19°16  | 0 <b>9</b> 6 3<br>1°17 | 28°13<br>29°26         | 9° 7<br>9°52          | 28°42<br>28°55         | 16°29<br>16°25 | 6°36<br>6°38     | 26°31<br>26°32               | 15°41<br>15°42 | 9°32<br>9°32  | 9°45<br>9°42                       | 20°16<br>20°23           | 7°41<br>7°45  | T 29<br>W30 |
| T 31        | 16 29 2              | 9 <b>Ⅱ</b> 17'06     | 19-16<br>1 <b>M</b> 9   | 29528                  | 29°26<br>0 <b>Ⅱ</b> 40 | 10 <b>Y</b> 37        | 28°55<br>29 <b>°</b> 7 | 16°23          | 6 <sup>3</sup> 8 | $26^{\circ}32$ $26\Omega 32$ | 15943          | 9°D32         | 9 <sup>1</sup> 42<br>9 <b>Ⅱ</b> 39 | 20°23<br>20 <b>11</b> 29 | 7 <b>8</b> 48 | T 31        |
| 1 31        | 10 52 50             | /11/00               | 1110 /                  | 2-20                   | 04-0                   | 10 1 37               | 27 I /                 | 107 21         | 0170             | 200632                       | 13-13          | 1 1002        | 71137                              | LUIIUL                   | , 🔾 🗝         | 1 11        |

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|------|----------|-------------------|----------------|----------------|---------------|----------------|----------------|----------------|---------------|---------------|--------|---------------|----------------|----------------|---------------|------|
| F 1  | 16 36 55 | 10 <b>Ⅱ</b> 14'35 | 12 <b>M</b> 58 | 3 <b>9</b> 35  | 1 <b>Ⅱ</b> 53 | 11 <b>Y</b> 21 | 29 <b>Υ</b> 20 | 16°R16         | 6 <b>Υ</b> 42 | 26€33         | 159544 | 9 <b>Ⅲ</b> 32 | 9Д36           | 20 <b>M</b> 36 | 7 <b>8</b> 52 | F 1  |
| S 2  | 16 40 51 | 11°12'02          | 24°46          | 4°39           | 3° 7          | 12° 6          | 29°33          | 16 <b>₹</b> 12 | 6°44          | 26°34         | 15°46  | 9°32          | 9°33           | 20°43          | 7°55          | S 2  |
| S 3  | 16 44 48 | 12° 9'29          | 6 <b>₹</b> 36  | 5°39           | 4°21          | 12°51          | 29°45          | 16° 7          | 6°46          | 26°35         | 15°47  | 9°R32         | 9°29           | 20°49          | 7°58          | S 3  |
| M 4  | 16 48 44 | 13° 6'54          | 18°30          | 6°35           | 5°34          | 13°36          | 29°58          | 16° 3          | 6°48          | 26°36         | 15°48  | 9°32          | 9°26           | 20°56          | 8° 1          | M 4  |
| T 5  | 16 52 41 | 14° 4'19          | 0 <b>궁</b> 30  | 7°27           | 6°48          | 14°20          | 0810           | 15°58          | 6°49          | 26°37         | 15°50  | 9°32          | 9°23           | 21° 3          | 8° 5          | T 5  |
| W 6  | 16 56 37 | 15° 1'43          | 12°39          | 8°16           | 8° 1          | 15° 5          | 0°22           | 15°54          | 6°51          | 26°37         | 15°51  | 9°31          | 9°20           | 21° 9          | 8° 8          | W 6  |
| T 7  | 17 0 34  | 15°59'06          | 24°58          | 9° 0           | 9°15          | 15°49          | 0°34           | 15°50          | 6°53          | 26°38         | 15°53  | 9°30          | 9°17           | 21°16          | 8°11          | T 7  |
| F 8  | 17 431   | 16°56'28          | 7≈30           | 9°41           | 10°29         | 16°34          | 0°46           | 15°45          | 6°55          | 26°39         | 15°54  | 9°29          | 9°14           | 21°23          | 8°14          | F 8  |
| S 9  | 17 8 27  | 17°53'50          | 20°17          | 10°17          | 11°42         | 17°18          | 0°58           | 15°41          | 6°56          | 26°40         | 15°55  | 9°29          | 9°10           | 21°29          | 8°17          | S 9  |
| S 10 | 17 12 24 | 18°51'11          | 3 <b>∺</b> 21  | 10°49          | 12°56         | 18° 2          | 1°10           | 15°36          | 6°58          | 26°41         | 15°57  | 9°28          | 9° 7           | 21°36          | 8°20          | S 10 |
| M11  | 17 16 20 | 19°48'31          | 16°44          | 11°17          | 14° 9         | 18°47          | 1°22           | 15°32          | 6°59          | 26°43         | 15°58  | 9°D28         | 9° 4           | 21°43          | 8°24          | M11  |
| T 12 | 17 20 17 | 20°45'51          | 0 <b>Y</b> 27  | 11°40          | 15°23         | 19°31          | 1°34           | 15°27          | 7° 1          | 26°44         | 16° 0  | 9°28          | 9° 1           | 21°49          | 8°27          | T 12 |
| W13  | 17 24 13 | 21°43'11          | 14°31          | 11°59          | 16°37         | 20°15          | 1°46           | 15°23          | 7° 2          | 26°45         | 16° 1  | 9°28          | 8°58           | 21°56          | 8°30          | W13  |
| T 14 | 17 28 10 | 22°40'30          | 28°56          | 12°14          | 17°50         | 20°59          | 1°57           | 15°19          | 7° 4          | 26°46         | 16° 2  | 9°29          | 8°54           | 22° 3          | 8°33          | T 14 |
| F 15 | 17 32 6  | 23°37'49          | 13 <b>8</b> 37 | 12°24          | 19° 4         | 21°43          | 2° 9           | 15°14          | 7° 5          | 26°47         | 16° 4  | 9°30          | 8°51           | 22° 9          | 8°36          | F 15 |
| S 16 | 17 36 3  | 24°35'08          | 28°30          | 12°29          | 20°18         | 22°27          | 2°20           | 15°10          | 7° 6          | 26°48         | 16° 5  | 9°31          | 8°48           | 22°16          | 8°38          | S 16 |
| S 17 | 17 40 0  | 25°32'26          | 13 <b>Ⅱ</b> 29 | 12°R30         | 21°31         | 23°11          | 2°32           | 15° 5          | 7° 8          | 26°50         | 16° 7  | 9°R31         | 8°45           | 22°23          | 8°41          | S 17 |
| M18  | 17 43 56 | 26°29'44          | 28°25          | 12°26          | 22°45         | 23°55          | 2°43           | 15° 1          | 7° 9          | 26°51         | 16° 8  | 9°30          | 8°42           | 22°29          | 8°44          | M18  |
| T 19 | 17 47 53 | 27°27'02          | 1399 9         | 12°18          | 23°59         | 24°39          | 2°54           | 14°57          | 7°10          | 26°52         | 16°10  | 9°29          | 8°39           | 22°36          | 8°47          | T 19 |
| W20  | 17 51 49 | 28°24'18          | 27°36          | 12° 6          | 25°12         | 25°23          | 3° 5           | 14°53          | 7°11          | 26°53         | 16°11  | 9°27          | 8°35           | 22°43          | 8°50          | W20  |
| T 21 | 17 55 46 | 29°21'34          | $11\Omega 40$  | 11°49          | 26°26         | 26° 6          | 3°16           | 14°48          | 7°12          | 26°55         | 16°13  | 9°24          | 8°32           | 22°49          | 8°52          | T 21 |
| F 22 | 17 59 42 | 0918'50           | 25°18          | 11°29          | 27°40         | 26°50          | 3°27           | 14°44          | 7°13          | 26°56         | 16°14  | 9°22          | 8°29           | 22°56          | 8°55          | F 22 |
| S 23 | 18 3 39  | 1°16'05           | 8 <b>m</b> /30 | 11° 5          | 28°53         | 27°34          | 3°38           | 14°40          | 7°14          | 26°58         | 16°16  | 9°19          | 8°26           | 23° 3          | 8°58          | S 23 |
| S 24 | 18 736   | 2°13'19           | 21°18          | 10°38          | 0             | 28°17          | 3°48           | 14°36          | 7°15          | 26°59         | 16°17  | 9°18          | 8°23           | 23° 9          | 9° 0          | S 24 |
| M25  | 18 11 32 | 3°10'32           | 3 <b>≏</b> 45  | 10° 8          | 1°21          | 29° 0          | 3°59           | 14°32          | 7°16          | 27° 0         | 16°19  | 9°D17         | 8°20           | 23°16          | 9° 3          | M25  |
| T 26 | 18 15 29 | 4° 7'45           | 15°55          | 9°36           | 2°34          | 29°44          | 4° 9           | 14°28          | 7°17          | 27° 2         | 16°20  | 9°18          | 8°16           | 23°22          | 9° 5          | T 26 |
| W27  | 18 19 25 | 5° 4'57           | 27°53          | 9° 2           | 3°48          | 0 <b>8</b> 27  | 4°20           | 14°24          | 7°18          | 27° 3         | 16°22  | 9°19          | 8°13           | 23°29          | 9° 8          | W27  |
| T 28 | 18 23 22 | 6° 2'09           | 9 <b>M</b> .44 | 8°27           | 5° 2          | 1°10           | 4°30           | 14°20          | 7°18          | 27° 5         | 16°23  | 9°21          | 8°10           | 23°36          | 9°10          | T 28 |
| F 29 | 18 27 18 | 6°59'21           | 21°31          | 7°51           | 6°16          | 1°53           | 4°40           | 14°16          | 7°19          | 27° 7         | 16°25  | 9°23          | 8° 7           | 23°42          | 9°13          | F 29 |
| S 30 | 18 31 15 | 7956'32           | 3 <b>₹</b> 21  | 7 <b>9</b> 515 | 7 <b>9</b> 29 | 2 <b>8</b> 36  | 4 <b>8</b> 50  | 14 <b>×</b> 12 | 7 <b>Y</b> 20 | 27 <b>N</b> 8 | 169526 | 9∏24          | 8 <b>I</b> I 4 | 23 <b>M</b> 49 | 9 <b>8</b> 15 | S 30 |

Delta T = 24.35 sec

JULY 1928 00:00 UT

| Day  | Sid.t    | 0                  | D              | φ            | Ŷ               | ð             | 4             | ħ               | )f(           | ¥              | Р      | ß             | ದಿ            | ţ              | ٥,            | Day  |
|------|----------|--------------------|----------------|--------------|-----------------|---------------|---------------|-----------------|---------------|----------------|--------|---------------|---------------|----------------|---------------|------|
| S 1  | 18 35 11 | 8953'43            | 15 <b>₹</b> 15 | 6°R39        | 89643           | 3 <b>8</b> 19 | 5 <b>8</b> 0  | 14°R 8          | 7 <b>Υ</b> 20 | 27 <b>Ω</b> 10 | 169528 | 9°R24         | 8 <b>I</b> 0  | 23 <b>M</b> 56 | 9 <b>8</b> 17 | S 1  |
| M 2  | 18 39 8  | 9°50'54            | 27°17          | 6 <b>9</b> 5 | 9°57            | 4° 2          | 5°10          | 14 <b>×7</b> 4  | 7°21          | 27°11          | 16°30  | 9∏22          | 7°57          | 24° 2          | 9°20          | M 2  |
| T 3  | 18 43 5  | 10°48'05           | 9 <b>궁</b> 28  | 5°33         | 11°10           | 4°44          | 5°19          | 14° 0           | 7°21          | 27°13          | 16°31  | 9°19          | 7°54          | 24° 9          | 9°22          | T 3  |
| W 4  | 18 47 1  | 11°45'15           | 21°52          | 5° 3         | 12°24           | 5°27          | 5°29          | 13°57           | 7°22          | 27°15          | 16°33  | 9°15          | 7°51          | 24°16          | 9°24          | W 4  |
| T 5  | 18 50 58 | 12°42'26           | 4≈28           | 4°35         | 13°38           | 6°10          | 5°38          | 13°53           | 7°22          | 27°16          | 16°34  | 9°10          | 7°48          | 24°22          | 9°26          | T 5  |
| F 6  | 18 54 54 | 13°39'37           | 17°18          | 4°12         | 14°52           | 6°52          | 5°48          | 13°50           | 7°23          | 27°18          | 16°36  | 9° 4          | 7°45          | 24°29          | 9°28          | F 6  |
| S 7  | 18 58 51 | 14°36'48           | 0 <b>∺</b> 21  | 3°52         | 16° 6           | 7°35          | 5°57          | 13°46           | 7°23          | 27°20          | 16°37  | 8°59          | 7°41          | 24°36          | 9°30          | S 7  |
| S 8  | 19 2 47  | 15°33'59           | 13°37          | 3°36         | 17°19           | 8°17          | 6° 6          | 13°43           | 7°23          | 27°21          | 16°39  | 8°55          | 7°38          | 24°42          | 9°32          | S 8  |
| M 9  | 19 6 44  | 16°31'11           | 27° 7          | 3°24         | 18°33           | 8°59          | 6°15          | 13°39           | 7°23          | 27°23          | 16°40  | 8°51          | 7°35          | 24°49          | 9°34          | M 9  |
| T 10 | 19 10 40 | 17°28'23           | 10 <b>Y</b> 51 | 3°18         | 19°47           | 9°41          | 6°24          | 13°36           | 7°23          | 27°25          | 16°42  | 8°50          | 7°32          | 24°56          | 9°36          | T 10 |
| W11  | 19 14 37 | 18°25'35           | 24°49          | 3°D16        | 21° 1           | 10°23         | 6°32          | 13°33           | 7°24          | 27°27          | 16°43  | 8°D50         | 7°29          | 25° 2          | 9°38          | W11  |
| T 12 | 19 18 34 | 19°22'48           | 9 <b>8</b> 0   | 3°20         | 22°15           | 11° 5         | 6°41          | 13°30           | 7°24          | 27°29          | 16°45  | 8°51          | 7°26          | 25° 9          | 9°40          | T 12 |
| F 13 | 19 22 30 | 20°20'02           | 23°22          | 3°29         | 23°28           | 11°47         | 6°49          | 13°26           | 7°R24         | 27°30          | 16°47  | 8°52          | 7°22          | 25°15          | 9°42          | F 13 |
| S 14 | 19 26 27 | 21°17'16           | 7 <b>Ⅱ</b> 53  | 3°43         | 24°42           | 12°29         | 6°58          | 13°23           | 7°24          | 27°32          | 16°48  | 8°R53         | 7°19          | 25°22          | 9°44          | S 14 |
| S 15 | 19 30 23 | 22°14'31           | 22°30          | 4° 3         | 25°56           | 13°10         | 7° 6          | 13°20           | 7°24          | 27°34          | 16°50  | 8°52          | 7°16          | 25°29          | 9°45          | S 15 |
| M16  | 19 34 20 | 23°11'47           | 7 <b>95</b> 6  | 4°28         | 27°10           | 13°52         | 7°14          | 13°18           | 7°23          | 27°36          | 16°51  | 8°49          | 7°13          | 25°35          | 9°47          | M16  |
| T 17 | 19 38 16 | 24° 9'02           | 21°35          | 4°59         | 28°24           | 14°33         | 7°22          | 13°15           | 7°23          | 27°38          | 16°53  | 8°45          | 7°10          | 25°42          | 9°48          | T 17 |
| W18  | 19 42 13 | 25° 6'19           | 5 <b>Ω</b> 52  | 5°35         | 29°38           | 15°15         | 7°30          | 13°12           | 7°23          | 27°40          | 16°54  | 8°38          | 7° 7          | 25°49          | 9°50          | W18  |
| T 19 | 19 46 9  | 26° 3'35           | 19°50          | 6°16         | $0$ $\Omega$ 52 | 15°56         | 7°37          | 13° 9           | 7°23          | 27°42          | 16°56  | 8°31          | 7° 3          | 25°55          | 9°51          | T 19 |
| F 20 | 19 50 6  | 27° 0'52           | 3 Mp 26        | 7° 3         | 2° 5            | 16°37         | 7°45          | 13° 7           | 7°22          | 27°44          | 16°57  | 8°23          | 7° 0          | 26° 2          | 9°53          | F 20 |
| S 21 | 19 54 3  | 27°58'10           | 16°38          | 7°55         | 3°19            | 17°18         | 7°52          | 13° 4           | 7°22          | 27°46          | 16°59  | 8°16          | 6°57          | 26° 9          | 9°54          | S 21 |
| S 22 | 19 57 59 | 28°55'27           | 29°27          | 8°53         | 4°33            | 17°59         | 7°59          | 13° 2           | 7°22          | 27°48          | 17° 1  | 8°11          | 6°54          | 26°15          | 9°55          | S 22 |
| M23  | 20 1 56  | 29°52'45           | 11 <b>≏</b> 55 | 9°55         | 5°47            | 18°40         | 8° 6          | 12°59           | 7°21          | 27°50          | 17° 2  | 8° 7          | 6°51          | 26°22          | 9°57          | M23  |
| T 24 | 20 5 52  | $0$ $\Omega$ 50'03 | 24° 6          | 11° 3        | 7° 1            | 19°20         | 8°13          | 12°57           | 7°21          | 27°52          | 17° 4  | 8° 5          | 6°47          | 26°29          | 9°58          | T 24 |
| W25  | 20 9 49  | 1°47'22            | 6M 4           | 12°16        | 8°15            | 20° 1         | 8°20          | 12°55           | 7°20          | 27°54          | 17° 5  | 8°D 5         | 6°44          | 26°35          | 9°59          | W25  |
| T 26 | 20 13 45 | 2°44'41            | 17°55          | 13°34        | 9°29            | 20°41         | 8°26          | 12°53           | 7°20          | 27°56          | 17° 7  | 8° 6          | 6°41          | 26°42          | 10° 0         | T 26 |
| F 27 | 20 17 42 | 3°42'00            | 29°43          | 14°56        | 10°43           | 21°21         | 8°33          | 12°51           | 7°19          | 27°58          | 17° 8  | 8° 7          | 6°38          | 26°49          | 10° 1         | F 27 |
| S 28 | 20 21 38 | 4°39'20            | 11 <b>~</b> 34 | 16°23        | 11°57           | 22° 2         | 8°39          | 12°49           | 7°18          | 28° 0          | 17°10  | 8°R 7         | 6°35          | 26°55          | 10° 2         | S 28 |
| S 29 | 20 25 35 | 5°36'41            | 23°33          | 17°54        | 13°11           | 22°42         | 8°45          | 12°47           | 7°17          | 28° 2          | 17°11  | 8° 6          | 6°32          | 27° 2          | 10° 3         | S 29 |
| M30  | 20 29 32 | 6°34'02            | 5 <b>七</b> 43  | 19°30        | 14°25           | 23°21         | 8°51          | 12°45           | 7°17          | 28° 4          | 17°13  | 8° 2          | 6°28          | 27° 9          | 10° 4         | M30  |
| T 31 | 20 33 28 | 7 <b>Ω</b> 31'24   | 18 <b>궁</b> 7  | 219510       | 15 <b>Ω</b> 39  | 24 <b>8</b> 1 | 8 <b>8</b> 57 | 12 <b>,7</b> 44 | 7 <b>Υ</b> 16 | 28€ 6          | 179514 | 7 <b>Ⅱ</b> 56 | 6 <b>Ⅱ</b> 25 | 27 <b>M</b> 15 | 10 <b>8</b> 5 | T 31 |

Delta T = 24.36 sec

AUGUST 1928 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | φ              | ♂              | 4            | ħ               | )f(           | ¥              | Р      | Ç             | <b>ී</b>      | Ç              | ę,            | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|--------------|-----------------|---------------|----------------|--------|---------------|---------------|----------------|---------------|------|
| W 1  | 20 37 25 | 8 <b>Ω</b> 28'47 | 0≈46            | 22953          | 16 <b>Ω</b> 52 | 24841          | 9 <b>8</b> 2 | 12°R42          | 7°R15         | 28€ 8          | 179516 | 7°R48         | 6 <b>Ⅱ</b> 22 | 27 <b>M</b> 22 | 10 <b>8</b> 6 | W 1  |
| T 2  | 20 41 21 | 9°26'10          | 13°42           | 24°40          | 18° 6          | 25°20          | 9° 8         | 12 <b>×</b> 741 | 7 <b>Υ</b> 14 | 28°10          | 17°17  | 7 <b>Ⅲ</b> 39 | 6°19          | 27°28          | 10° 6         | T 2  |
| F 3  | 20 45 18 | 10°23'35         | 26°54           | 26°31          | 19°20          | 26° 0          | 9°13         | 12°39           | 7°13          | 28°13          | 17°19  | 7°28          | 6°16          | 27°35          | 10° 7         | F 3  |
| S 4  | 20 49 14 | 11°21'00         | 10 <b>∺</b> 20  | 28°24          | 20°34          | 26°39          | 9°18         | 12°38           | 7°12          | 28°15          | 17°20  | 7°18          | 6°12          | 27°42          | 10° 8         | S 4  |
| S 5  | 20 53 11 | 12°18'26         | 23°57           | 0Ω19           | 21°48          | 27°18          | 9°23         | 12°37           | 7°11          | 28°17          | 17°21  | 7° 9          | 6° 9          | 27°48          | 10° 8         | S 5  |
| M 6  | 20 57 7  | 13°15'54         | 7 <b>Ƴ</b> 45   | 2°17           | 23° 2          | 27°57          | 9°27         | 12°36           | 7°10          | 28°19          | 17°23  | 7° 2          | 6° 6          | 27°55          | 10° 9         | M 6  |
| T 7  | 21 1 4   | 14°13'23         | 21°39           | 4°17           | 24°16          | 28°36          | 9°32         | 12°35           | 7° 9          | 28°21          | 17°24  | 6°58          | 6° 3          | 28° 2          | 10° 9         | T 7  |
| W 8  | 21 5 1   | 15°10'53         | 5 <b>8</b> 40   | 6°18           | 25°30          | 29°15          | 9°36         | 12°34           | 7° 8          | 28°23          | 17°26  | 6°56          | 6° 0          | 28° 8          | 10°10         | W 8  |
| T 9  | 21 8 57  | 16° 8'25         | 19°46           | 8°20           | 26°44          | 29°53          | 9°41         | 12°33           | 7° 6          | 28°26          | 17°27  | 6°D56         | 5°57          | 28°15          | 10°10         | T 9  |
| F 10 | 21 12 54 | 17° 5'58         | 3 <b>II</b> 55  | 10°22          | 27°58          | 0耳32           | 9°45         | 12°32           | 7° 5          | 28°28          | 17°28  | 6°R56         | 5°53          | 28°22          | 10°10         | F 10 |
| S 11 | 21 16 50 | 18° 3'32         | 18° 7           | 12°26          | 29°12          | 1°10           | 9°48         | 12°32           | 7° 4          | 28°30          | 17°30  | 6°56          | 5°50          | 28°28          | 10°10         | S 11 |
| S 12 | 21 20 47 | 19° 1'09         | 29520           | 14°29          | 0 <b>m</b> 26  | 1°48           | 9°52         | 12°31           | 7° 3          | 28°32          | 17°31  | 6°54          | 5°47          | 28°35          | 10°11         | S 12 |
| M13  | 21 24 43 | 19°58'46         | 16°31           | 16°32          | 1°40           | 2°26           | 9°56         | 12°31           | 7° 1          | 28°34          | 17°33  | 6°49          | 5°44          | 28°42          | 10°11         | M13  |
| T 14 | 21 28 40 | 20°56'25         | 0 <b>Ω</b> 37   | 18°35          | 2°54           | 3° 4           | 9°59         | 12°30           | 7° 0          | 28°37          | 17°34  | 6°42          | 5°41          | 28°48          | 10°R11        | T 14 |
| W15  | 21 32 36 | 21°54'05         | 14°33           | 20°37          | 4° 8           | 3°42           | 10° 2        | 12°30           | 6°58          | 28°39          | 17°35  | 6°32          | 5°38          | 28°55          | 10°11         | W15  |
| T 16 | 21 36 33 | 22°51'47         | 28°14           | 22°38          | 5°22           | 4°19           | 10° 5        | 12°30           | 6°57          | 28°41          | 17°37  | 6°20          | 5°34          | 29° 1          | 10°11         | T 16 |
| F 17 | 21 40 30 | 23°49'29         | 11 <b>m</b> )38 | 24°39          | 6°36           | 4°56           | 10° 8        | 12°D30          | 6°55          | 28°43          | 17°38  | 6° 8          | 5°31          | 29° 8          | 10°10         | F 17 |
| S 18 | 21 44 26 | 24°47'13         | 24°43           | 26°38          | 7°50           | 5°33           | 10°10        | 12°30           | 6°54          | 28°45          | 17°39  | 5°57          | 5°28          | 29°15          | 10°10         | S 18 |
| S 19 | 21 48 23 | 25°44'58         | 7 <b>≏</b> 27   | 28°37          | 9° 4           | 6°10           | 10°12        | 12°30           | 6°52          | 28°48          | 17°40  | 5°47          | 5°25          | 29°21          | 10°10         | S 19 |
| M20  | 21 52 19 | 26°42'45         | 19°53           | 0 <b>m</b> 34  | 10°19          | 6°47           | 10°15        | 12°30           | 6°50          | 28°50          | 17°42  | 5°40          | 5°22          | 29°28          | 10°10         | M20  |
| T 21 | 21 56 16 | 27°40'32         | 2M 2            | 2°30           | 11°33          | 7°24           | 10°17        | 12°31           | 6°49          | 28°52          | 17°43  | 5°36          | 5°18          | 29°35          | 10° 9         | T 21 |
| W22  | 22 0 12  | 28°38'21         | 14° 0           | 4°25           | 12°47          | 8° 0           | 10°18        | 12°31           | 6°47          | 28°54          | 17°44  | 5°33          | 5°15          | 29°41          | 10° 9         | W22  |
| T 23 | 22 4 9   | 29°36'10         | 25°50           | 6°18           | 14° 1          | 8°36           | 10°20        | 12°32           | 6°45          | 28°57          | 17°45  | 5°33          | 5°12          | 29°48          | 10° 9         | T 23 |
| F 24 | 22 8 5   | 0 Mp 34'02       | 7 <b>.</b> ₹38  | 8°11           | 15°15          | 9°12           | 10°21        | 12°32           | 6°43          | 28°59          | 17°47  | 5°33          | 5° 9          | 29°55          | 10° 8         | F 24 |
| S 25 | 22 12 2  | 1°31'54          | 19°30           | 10° 1          | 16°29          | 9°48           | 10°22        | 12°33           | 6°42          | 29° 1          | 17°48  | 5°32          | 5° 6          | 0 <b>√</b> 1   | 10° 7         | S 25 |
| S 26 | 22 15 59 | 2°29'48          | 1 <b>ප</b> 31   | 11°51          | 17°43          | 10°24          | 10°23        | 12°34           | 6°40          | 29° 3          | 17°49  | 5°30          | 5° 3          | 0° 8           | 10° 7         | S 26 |
| M27  | 22 19 55 | 3°27'43          | 13°46           | 13°39          | 18°57          | 10°59          | 10°24        | 12°35           | 6°38          | 29° 5          | 17°50  | 5°26          | 4°59          | 0°15           | 10° 6         | M27  |
| T 28 | 22 23 52 | 4°25'39          | 26°19           | 15°26          | 20°11          | 11°35          | 10°25        | 12°36           | 6°36          | 29° 8          | 17°51  | 5°19          | 4°56          | 0°21           | 10° 5         | T 28 |
| W29  | 22 27 48 | 5°23'37          | 9≈11            | 17°11          | 21°25          | 12°10          | 10°25        | 12°37           | 6°34          | 29°10          | 17°52  | 5°10          | 4°53          | 0°28           | 10° 5         | W29  |
| T 30 | 22 31 45 | 6°21'36          | 22°24           | 18°56          | 22°39          | 12°45          | 10°R25       | 12°38           | 6°32          | 29°12          | 17°54  | 4°59          | 4°50          | 0°35           | 10° 4         | T 30 |
| F 31 | 22 35 41 | 7 <b>m</b> 19'36 | 5 <b>₩</b> 58   | 20 <b>m</b> 39 | 23 <b>m</b> 53 | 13 <b>Ⅱ</b> 19 | 10825        | 12 <b>×</b> 39  | 6 <b>Υ</b> 30 | 29 <b>Ω</b> 14 | 179555 | 4 <b>Ⅱ</b> 46 | 4∏47          | 0 <b>∡</b> 41  | 108 3         | F 31 |

Delta T = 24.36 sec

SEPTEMBER 1928 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ             | ♂              | 4             | ħ               | )∤(           | 卉              | Р      | 'n            | S             | Ç              | ę,            | Day  |
|------|----------|------------------|----------------|----------------|---------------|----------------|---------------|-----------------|---------------|----------------|--------|---------------|---------------|----------------|---------------|------|
| S 1  | 22 39 38 | 8 <b>m</b> 17'39 | 19 <b>)</b> 48 | 22 <b>M</b> 20 | 25 <b>M</b> 7 | 13 <b>Ⅱ</b> 54 | 10°R25        | 12 <b>×7</b> 41 | 6°R28         | 29 <b>Ω</b> 16 | 179556 | 4°R34         | 4 <b>∏</b> 44 | 0 <b>,</b> ₹48 | 10°R 2        | S 1  |
| S 2  | 22 43 34 | 9°15'43          | <b>3Υ</b> 52   | 24° 1          | 26°21         | 14°28          | 10825         | 12°42           | 6 <b>Υ</b> 26 | 29°19          | 17°57  | 4∏24          | 4°40          | 0°54           | 108 1         | S 2  |
| M 3  | 22 47 31 | 10°13'48         | 18° 3          | 25°40          | 27°35         | 15° 2          | 10°24         | 12°44           | 6°24          | 29°21          | 17°58  | 4°16          | 4°37          | 1° 1           | 10° 0         | M 3  |
| T 4  | 22 51 28 | 11°11'56         | 2819           | 27°18          | 28°49         | 15°36          | 10°23         | 12°46           | 6°22          | 29°23          | 17°59  | 4°10          | 4°34          | 1° 8           | 9°59          | T 4  |
| W 5  | 22 55 24 | 12°10'06         | 16°34          | 28°55          | 0 <b>ჲ</b> 3  | 16° 9          | 10°22         | 12°47           | 6°20          | 29°25          | 18° 0  | 4° 8          | 4°31          | 1°14           | 9°58          | W 5  |
| T 6  | 22 59 21 | 13° 8'17         | 0∏46           | 0 <b>ჲ</b> 30  | 1°17          | 16°43          | 10°21         | 12°49           | 6°18          | 29°27          | 18° 1  | 4°D 7         | 4°28          | 1°21           | 9°56          | T 6  |
| F 7  | 23 3 17  | 14° 6'31         | 14°53          | 2° 5           | 2°31          | 17°16          | 10°20         | 12°51           | 6°15          | 29°30          | 18° 2  | 4°R 7         | 4°24          | 1°28           | 9°55          | F 7  |
| S 8  | 23 7 14  | 15° 4'47         | 28°55          | 3°38           | 3°45          | 17°49          | 10°18         | 12°53           | 6°13          | 29°32          | 18° 3  | 4° 6          | 4°21          | 1°34           | 9°54          | S 8  |
| S 9  | 23 11 10 | 16° 3'05         | 12951          | 5°10           | 4°59          | 18°21          | 10°16         | 12°56           | 6°11          | 29°34          | 18° 4  | 4° 4          | 4°18          | 1°41           | 9°52          | S 9  |
| M10  | 23 15 7  | 17° 1'25         | 26°40          | 6°41           | 6°13          | 18°54          | 10°14         | 12°58           | 6° 9          | 29°36          | 18° 5  | 3°59          | 4°15          | 1°48           | 9°51          | M10  |
| T 11 | 23 19 3  | 17°59'48         | 10 <b>Ω</b> 21 | 8°11           | 7°27          | 19°26          | 10°12         | 13° 0           | 6° 7          | 29°38          | 18° 6  | 3°52          | 4°12          | 1°54           | 9°49          | T 11 |
| W12  | 23 23 0  | 18°58'12         | 23°52          | 9°40           | 8°41          | 19°58          | 10° 9         | 13° 3           | 6° 4          | 29°40          | 18° 6  | 3°42          | 4° 9          | 2° 1           | 9°48          | W12  |
| T 13 | 23 26 57 | 19°56'38         | 7 <b>m</b> 10  | 11° 7          | 9°55          | 20°29          | 10° 7         | 13° 5           | 6° 2          | 29°42          | 18° 7  | 3°30          | 4° 5          | 2° 8           | 9°46          | T 13 |
| F 14 | 23 30 53 | 20°55'06         | 20°15          | 12°33          | 11° 9         | 21° 1          | 10° 4         | 13° 8           | 6° 0          | 29°45          | 18° 8  | 3°18          | 4° 2          | 2°14           | 9°45          | F 14 |
| S 15 | 23 34 50 | 21°53'35         | 3 <b>₾</b> 4   | 13°58          | 12°23         | 21°32          | 10° 1         | 13°10           | 5°57          | 29°47          | 18° 9  | 3° 6          | 3°59          | 2°21           | 9°43          | S 15 |
| S 16 | 23 38 46 | 22°52'07         | 15°38          | 15°22          | 13°37         | 22° 2          | 9°58          | 13°13           | 5°55          | 29°49          | 18°10  | 2°56          | 3°56          | 2°27           | 9°41          | S 16 |
| M17  | 23 42 43 | 23°50'41         | 27°56          | 16°45          | 14°51         | 22°33          | 9°54          | 13°16           | 5°53          | 29°51          | 18°10  | 2°49          | 3°53          | 2°34           | 9°40          | M17  |
| T 18 | 23 46 39 | 24°49'16         | 10 <b>M</b> 1  | 18° 6          | 16° 5         | 23° 3          | 9°51          | 13°19           | 5°50          | 29°53          | 18°11  | 2°44          | 3°50          | 2°41           | 9°38          | T 18 |
| W19  | 23 50 36 | 25°47'53         | 21°56          | 19°26          | 17°19         | 23°33          | 9°47          | 13°22           | 5°48          | 29°55          | 18°12  | 2°41          | 3°46          | 2°47           | 9°36          | W19  |
| T 20 | 23 54 32 | 26°46'32         | 3 <b>∡</b> 744 | 20°45          | 18°33         | 24° 2          | 9°43          | 13°25           | 5°46          | 29°57          | 18°13  | 2°D41         | 3°43          | 2°54           | 9°34          | T 20 |
| F 21 | 23 58 29 | 27°45'12         | 15°32          | 22° 2          | 19°46         | 24°32          | 9°39          | 13°29           | 5°43          | 29°59          | 18°13  | 2°41          | 3°40          | 3° 1           | 9°32          | F 21 |
| S 22 | 0 2 25   | 28°43'55         | 27°23          | 23°17          | 21° 0         | 25° 0          | 9°35          | 13°32           | 5°41          | 0 <b>m</b> ) 1 | 18°14  | 2°R42         | 3°37          | 3° 7           | 9°30          | S 22 |
| S 23 | 0 6 22   | 29°42'39         | 9 <b>궁</b> 23  | 24°32          | 22°14         | 25°29          | 9°30          | 13°35           | 5°38          | 0° 3           | 18°15  | 2°41          | 3°34          | 3°14           | 9°28          | S 23 |
| M24  | 0 10 19  | 0 <b>ჲ</b> 41'24 | 21°39          | 25°44          | 23°28         | 25°57          | 9°25          | 13°39           | 5°36          | 0° 5           | 18°15  | 2°39          | 3°30          | 3°21           | 9°26          | M24  |
| T 25 | 0 14 15  | 1°40'12          | 4≈13           | 26°55          | 24°42         | 26°25          | 9°21          | 13°42           | 5°34          | 0° 7           | 18°16  | 2°34          | 3°27          | 3°27           | 9°24          | T 25 |
| W26  | 0 18 12  | 2°39'01          | 17°11          | 28° 4          | 25°56         | 26°53          | 9°16          | 13°46           | 5°31          | 0° 9           | 18°16  | 2°28          | 3°24          | 3°34           | 9°22          | W26  |
| T 27 | 0 22 8   | 3°37'52          | 0 <b>∺</b> 33  | 29°11          | 27°10         | 27°20          | 9°10          | 13°50           | 5°29          | 0°11           | 18°17  | 2°19          | 3°21          | 3°41           | 9°19          | T 27 |
| F 28 | 0 26 5   | 4°36'44          | 14°21          | 0 <b>M</b> _15 | 28°24         | 27°47          | 9° 5          | 13°54           | 5°26          | 0°13           | 18°18  | 2°10          | 3°18          | 3°47           | 9°17          | F 28 |
| S 29 | 0 30 1   | 5°35'39          | 28°30          | 1°18           | 29°38         | 28°14          | 9° 0          | 13°57           | 5°24          | 0°15           | 18°18  | 2° 0          | 3°15          | 3°54           | 9°15          | S 29 |
| S 30 | 0 33 58  | 6 <b>△</b> 34'36 | 12 <b>Y</b> 56 | 2 <b>M</b> .18 | 0 <b>M</b> 51 | 28 <b>Ⅱ</b> 40 | 8 <b>8</b> 54 | 14 <b>才</b> 1   | 5 <b>Ƴ</b> 22 | 0 <b>m</b> )17 | 189519 | 1 <b>Ⅱ</b> 52 | 3 <b>I</b> 11 | 4 <b>₹</b> 0   | 9 <b>8</b> 13 | S 30 |

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OCTOBER 1928 00:00 UT

| Day         | Sid.t              | 0                    | D                       | ğ              | φ              | ď            | 4             | ħ              | )Å(           | #             | Р              | v             | Ω              | Ç              | Š             | Day         |
|-------------|--------------------|----------------------|-------------------------|----------------|----------------|--------------|---------------|----------------|---------------|---------------|----------------|---------------|----------------|----------------|---------------|-------------|
| M 1         | 0 37 54            | 7 <b>₽</b> 33'34     | 27 <b>Y</b> 34          | 3 <b>M</b> .16 | 2M 5           | 29Ⅱ 6        | 8°R48         | 14 <b>×7</b> 5 | 5°R19         | 0 <b>m</b> 18 | 18919          | 1°R46         | 3 <b>II</b> 8  | 4 <b>₹</b> 7   | 9°R10         | M 1         |
| T 2         | 0 41 51            | 8°32'35              | 12814                   | 4°10           | 3°19           | 29°31        | 8 <b>8</b> 42 | 14°10          | 5 <b>Ƴ</b> 17 | 0°20          | 18°19          | 1 <b>Ⅱ</b> 42 | 3° 5           | 4°14           | 9 <b>8</b> 8  | T 2         |
| W 3         | 0 45 48            | 9°31'38              | 26°52                   | 5° 2           | 4°33           | 29°56        | 8°36          | 14°14          | 5°14          | 0°22          | 18°20          | 1°D41         | 3° 2           | 4°20           | 9° 5          | W 3         |
| T 4         | 0 49 44            | 10°30'44             | 11 <b>II</b> 22         | 5°50           | 5°47           | 09521        | 8°30          | 14°18          | 5°12          | 0°24          | 18°20          | 1°41          | 2°59           | 4°27           | 9° 3<br>9° 0  | T 4         |
| F 5         | 0 53 41            | 11°29'52<br>12°29'02 | 25°40                   | 6°35<br>7°16   | 7° 0           | 0°45<br>1° 9 | 8°23<br>8°17  | 14°22<br>14°27 | 5°10<br>5° 7  | 0°26<br>0°27  | 18°21<br>18°21 | 1°42          | 2°55<br>2°52   | 4°34<br>4°40   | 9° 0<br>8°58  | F 5         |
| S 6         | 0 57 37            |                      | 9 <b>9</b> 44           |                | 8°14           |              |               |                |               |               |                | 1°R42         |                | -              |               | S 6         |
| S 7         | 1 1 34             | 13°28'14             | 23°34                   | 7°52           | 9°28           | 1°32         | 8°10          | 14°31          | 5° 5          | 0°29          | 18°21          | 1°42          | 2°49           | 4°47           | 8°55          | S 7         |
| M 8         | 1 5 30             | 14°27'29             | 7 <b>Ω</b> 10           | 8°23           | 10°42          | 1°55         | 8° 3          | 14°36          | 5° 2          | 0°31          | 18°22          | 1°40          | 2°46           | 4°54           | 8°53          | M 8         |
| T 9         | 1 9 27             | 15°26'46             | 20°32                   | 8°50           | 11°56          | 2°18         | 7°57          | 14°41          | 5° 0          | 0°33          | 18°22          | 1°35          | 2°43           | 5° 0<br>5° 7   | 8°50          | T 9         |
| W10<br>T 11 | 1 13 23<br>1 17 20 | 16°26'06<br>17°25'27 | 3 Mp 41<br>16°38        | 9°10<br>9°25   | 13° 9<br>14°23 | 2°40<br>3° 1 | 7°50<br>7°42  | 14°45<br>14°50 | 4°58<br>4°55  | 0°34<br>0°36  | 18°22<br>18°22 | 1°29<br>1°22  | 2°40<br>2°36   | 5° /<br>5°14   | 8°48<br>8°45  | W10<br>T 11 |
| F 12        | 1 21 17            | 17 23 27<br>18°24'51 | 29°21                   | 9°23           | 14 23<br>15°37 | 3°22         | 7°35          | 14°55          | 4°53          | 0°38          | 18°22          | 1°14          | 2°33           | 5°20           | 8°42          | F 12        |
| S 13        | 1 25 13            | 19°24'17             | 11 <b>Ω</b> 52          | 9°R33          | 16°51          | 3°43         | 7°28          | 15° 0          | 4°51          | 0°39          | 18°23          | 1° 6          | 2°30           | 5°27           | 8°40          | S 13        |
|             |                    |                      |                         |                |                |              |               |                |               |               |                |               |                |                |               |             |
| S 14        | 1 29 10            | 20°23'45             | 24°11                   | 9°27<br>9°12   | 18° 4<br>19°18 | 4° 3         | 7°20<br>7°13  | 15° 5<br>15°10 | 4°48<br>4°46  | 0°41<br>0°42  | 18°23<br>18°23 | 1° 0<br>0°55  | 2°27<br>2°24   | 5°33<br>5°40   | 8°37          | S 14        |
| M15<br>T 16 | 1 33 6<br>1 37 3   | 21°23'15<br>22°22'47 | 6 <b>M</b> ₊19<br>18°17 | 9°12<br>8°48   | 20°32          | 4°23<br>4°42 | 7° 13         | 15°10          | 4°44          | 0°42<br>0°44  | 18°23          | 0°52          | 2°24<br>2°21   | 5°47           | 8°34<br>8°31  | M15<br>T 16 |
| W17         | 1 40 59            | 22°22'47<br>23°22'21 | 0×7 8                   | 8°17           | 20°32<br>21°45 | 5° 0         | 6°58          | 15°13          | 4°41          | 0°45          | 18°23          | 0°D51         | 2°17           | 5°53           | 8°29          | W17         |
| T 18        | 1 44 56            | 24°21'57             | 11°55                   | 7°36           | 22°59          | 5°18         | 6°50          | 15°25          | 4°39          | 0°47          | 18°23          | 0°52          | 2°14           | 6° 0           | 8°26          | T 18        |
| F 19        | 1 48 52            | 25°21'34             | 23°41                   | 6°47           | 24°13          | 5°36         | 6°42          | 15°31          | 4°37          | 0°48          | 18°23          | 0°53          | 2°11           | 6° 7           | 8°23          | F 19        |
| S 20        | 1 52 49            | 26°21'14             | 5 <b>ਰ</b> 31           | 5°51           | 25°26          | 5°52         | 6°34          | 15°36          | 4°35          | 0°50          | 18°R23         | 0°55          | 2° 8           | 6°13           | 8°20          | S 20        |
| S 21        | 1 56 46            | 27°20'55             | 17°30                   | 4°47           | 26°40          | 6° 9         | 6°26          | 15°42          | 4°33          | 0°51          | 18°23          | 0°56          | 2° 5           | 6°20           | 8°17          | S 21        |
| M22         | 2 0 42             | 28°20'38             | 29°43                   | 3°38           | 27°54          | 6°24         | 6°18          | 15°47          | 4°31          | 0°53          | 18°23          | 0°R57         | 2° 1           | 6°27           | 8°14          | M22         |
| T 23        | 2 4 39             | 29°20'23             | 12≈14                   | 2°24           | 29° 7          | 6°39         | 6°10          | 15°53          | 4°28          | 0°54          | 18°23          | 0°56          | 1°58           | 6°33           | 8°11          | T 23        |
| W24         | 2 8 3 5            | 0M20'09              | 25° 9                   | 1° 8           | 0 <b>才</b> 21  | 6°54         | 6° 2          | 15°58          | 4°26          | 0°55          | 18°23          | 0°54          | 1°55           | 6°40           | 8° 9          | W24         |
| T 25        | 2 12 32            | 1°19'57              | 8 <b>米</b> 29           | 29 <b>≏</b> 53 | 1°34           | 7° 8         | 5°54          | 16° 4          | 4°24          | 0°57          | 18°23          | 0°50          | 1°52           | 6°47           | 8° 6          | T 25        |
| F 26        | 2 16 28            | 2°19'47              | 22°17                   | 28°40          | 2°48           | 7°21         | 5°46          | 16°10          | 4°22          | 0°58          | 18°23          | 0°46          | 1°49           | 6°53           | 8° 3          | F 26        |
| S 27        | 2 20 25            | 3°19'39              | 6 <b>Ƴ</b> 32           | 27°31          | 4° 1           | 7°34         | 5°38          | 16°15          | 4°20          | 0°59          | 18°22          | 0°42          | 1°46           | 7° 0           | 8° 0          | S 27        |
| S 28        | 2 24 21            | 4°19'32              | 21°10                   | 26°29          | 5°15           | 7°46         | 5°30          | 16°21          | 4°18          | 1° 0          | 18°22          | 0°38          | 1°42           | 7° 7           | 7°57          | S 28        |
| M29         | 2 28 18            | 5°19'27              | 6 <b>8</b> 4            | 25°36          | 6°28           | 7°57         | 5°21          | 16°27          | 4°16          | 1° 2          | 18°22          | 0°36          | 1°39           | 7°13           | 7°54          | M29         |
| T 30        | 2 32 15            | 6°19'24              | 2 <u>1</u> ° 7          | 24°52          | 7°42           | 8° 7         | 5°13          | 16°33          | 4°14          | 1° 3          | 18°22          | 0°34          | 1°36           | 7°20           | 7°51          | T 30        |
| W31         | 2 36 11            | 7 <b>M</b> 19'23     | 6 <b>I</b> 8            | 24 <b>≏</b> 20 | 8 <b>∡</b> 755 | 89917        | <b>5</b> 5    | 16 <b>₹</b> 39 | 4 <b>Υ</b> 12 | 1 Mp 4        | 189522         | 0°D34         | 1 <b>II</b> 33 | 7 <b>.₹</b> 26 | 7 <b>8</b> 48 | W31         |

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NOVEMBER 1928 00:00 UT

| Day  | Sid.t   | 0                 | D              | ğ              | φ              | ď              | 4             | ħ               | )Й(           | 卉               | В      | ₽.            | Ω              | ţ               | Q<br>K        | Day  |
|------|---------|-------------------|----------------|----------------|----------------|----------------|---------------|-----------------|---------------|-----------------|--------|---------------|----------------|-----------------|---------------|------|
| T 1  | 2 40 8  | 8ML19'24          | 21 <b>I</b> 1  | 23°R59         | 10 <b>×</b> 9  | 89527          | 4°R57         | 16 <b>₹</b> 45  | 4°R10         | 1 <b>m</b> ) 5  | 18°R21 | 0Д35          | 1 <b>Ⅲ</b> 30  | 7 <b>.</b> ₹33  | 7°R45         | T 1  |
| F 2  | 2 44 4  | 9°19'28           | 5939           | 23°D49         | 11°22          | 8°35           | 4 <b>8</b> 49 | 16°51           | 4 <b>Υ</b> 9  | 1° 6            | 189521 | 0°36          | 1°27           | 7°40            | 7 <b>8</b> 42 | F 2  |
| S 3  | 2 48 1  | 10°19'33          | 19°57          | 23 <b>≏</b> 51 | 12°36          | 8°43           | 4°41          | 16°57           | 4° 7          | 1° 7            | 18°21  | 0°37          | 1°23           | 7°46            | 7°39          | S 3  |
| S 4  | 2 51 57 | 11°19'41          | 3 <b>Ω</b> 54  | 24° 4          | 13°49          | 8°50           | 4°33          | 17° 3           | 4° 5          | 1°8             | 18°20  | 0°38          | 1°20           | 7°53            | 7°36          | S 4  |
| M 5  | 2 55 54 | 12°19'51          | 17°29          | 24°27          | 15° 2          | 8°56           | 4°25          | 17°10           | 4° 3          | 1° 9            | 18°20  | 0°R38         | 1°17           | 8° 0            | 7°33          | M 5  |
| T 6  | 2 59 50 | 13°20'02          | 0 <b>m</b> 43  | 24°59          | 16°16          | 9° 2           | 4°17          | 17°16           | 4° 1          | 1°10            | 18°19  | 0°38          | 1°14           | 8° 6            | 7°31          | T 6  |
| W 7  | 3 3 47  | 14°20'16          | 13°39          | 25°41          | 17°29          | 9° 6           | 4° 9          | 17°22           | 4° 0          | 1°11            | 18°19  | 0°36          | 1°11           | 8°13            | 7°28          | W 7  |
| T 8  | 3 7 44  | 15°20'32          | 26°19          | 26°29          | 18°42          | 9°10           | 4° 1          | 17°29           | 3°58          | 1°12            | 18°19  | 0°34          | 1° 7           | 8°20            | 7°25          | T 8  |
| F 9  | 3 11 40 | 16°20'50          | 8 <b>≏</b> 45  | 27°25          | 19°56          | 9°13           | 3°53          | 17°35           | 3°57          | 1°13            | 18°18  | 0°32          | 1° 4           | 8°26            | 7°22          | F 9  |
| S 10 | 3 15 37 | 17°21'09          | 20°59          | 28°27          | 21° 9          | 9°15           | 3°45          | 17°41           | 3°55          | 1°13            | 18°18  | 0°30          | 1° 1           | 8°33            | 7°19          | S 10 |
| S 11 | 3 19 33 | 18°21'31          | 3M 4           | 29°33          | 22°22          | 9°17           | 3°38          | 17°48           | 3°53          | 1°14            | 18°17  | 0°28          | 0°58           | 8°40            | 7°16          | S 11 |
| M12  | 3 23 30 | 19°21'54          | 15° 1          | 0 <b>M</b> .45 | 23°35          | 9°R17          | 3°30          | 17°54           | 3°52          | 1°15            | 18°16  | 0°27          | 0°55           | 8°46            | 7°13          | M12  |
| T 13 | 3 27 26 | 20°22'19          | 26°53          | 2° 0           | 24°49          | 9°17           | 3°23          | 18° 1           | 3°50          | 1°16            | 18°16  | 0°D26         | 0°52           | 8°53            | 7°10          | T 13 |
| W14  | 3 31 23 | 21°22'45          | 8 <b>√</b> 41  | 3°18           | 26° 2          | 9°16           | 3°15          | 18° 7           | 3°49          | 1°16            | 18°15  | 0°26          | 0°48           | 9° 0            | 7° 8          | W14  |
| T 15 | 3 35 19 | 22°23'14          | 20°27          | 4°40           | 27°15          | 9°14           | 3° 8          | 18°14           | 3°48          | 1°17            | 18°15  | 0°27          | 0°45           | 9° 6            | 7° 5          | T 15 |
| F 16 | 3 39 16 | 23°23'43          | 2 <b>ਰ</b> 15  | 6° 3           | 28°28          | 9°11           | 3° 1          | 18°21           | 3°46          | 1°18            | 18°14  | 0°28          | 0°42           | 9°13            | 7° 2          | F 16 |
| S 17 | 3 43 13 | 24°24'14          | 14° 8          | 7°29           | 29°41          | 9° 7           | 2°54          | 18°27           | 3°45          | 1°18            | 18°13  | 0°28          | 0°39           | 9°19            | 6°59          | S 17 |
| S 18 | 3 47 9  | 25°24'47          | 26° 8          | 8°56           | 0 <b>궁</b> 54  | 9° 3           | 2°47          | 18°34           | 3°44          | 1°19            | 18°13  | 0°29          | 0°36           | 9°26            | 6°56          | S 18 |
| M19  | 3 51 6  | 26°25'21          | 8≈20           | 10°25          | 2° 7           | 8°57           | 2°40          | 18°41           | 3°43          | 1°19            | 18°12  | 0°30          | 0°33           | 9°33            | 6°54          | M19  |
| T 20 | 3 55 2  | 27°25'56          | 20°48          | 11°54          | 3°20           | 8°51           | 2°33          | 18°48           | 3°42          | 1°20            | 18°11  | 0°30          | 0°29           | 9°39            | 6°51          | T 20 |
| W21  | 3 58 59 | 28°26'32          | 3 <b>∺</b> 36  | 13°25          | 4°33           | 8°44           | 2°27          | 18°54           | 3°40          | 1°20            | 18°11  | 0°R30         | 0°26           | 9°46            | 6°48          | W21  |
| T 22 | 4 2 5 5 | 29°27'09          | 16°48          | 14°56          | 5°46           | 8°36           | 2°20          | 19° 1           | 3°39          | 1°21            | 18°10  | 0°30          | 0°23           | 9°53            | 6°46          | T 22 |
| F 23 | 4 6 52  | 0 <b>∡</b> 727'47 | o <b>Υ</b> 27  | 16°28          | 6°59           | 8°27           | 2°14          | 19° 8           | 3°38          | 1°21            | 18° 9  | 0°D30         | 0°20           | 9°59            | 6°43          | F 23 |
| S 24 | 4 10 48 | 1°28'27           | 14°32          | 18° 0          | 8°12           | 8°17           | 2° 8          | 19°15           | 3°37          | 1°22            | 18° 8  | 0°30          | 0°17           | 10° 6           | 6°40          | S 24 |
| S 25 | 4 14 45 | 2°29'07           | 29° 4          | 19°33          | 9°25           | 8° 6           | 2° 2          | 19°22           | 3°36          | 1°22            | 18° 7  | 0°30          | 0°13           | 10°13           | 6°38          | S 25 |
| M26  | 4 18 42 | 3°29'49           | 13 <b>8</b> 58 | 21° 6          | 10°38          | 7°55           | 1°56          | 19°29           | 3°36          | 1°22            | 18° 7  | 0°30          | 0°10           | 10°19           | 6°35          | M26  |
| T 27 | 4 22 38 | 4°30'32           | 29° 7          | 22°39          | 11°50          | 7°43           | 1°50          | 19°36           | 3°35          | 1°22            | 18° 6  | 0°R30         | 0° 7           | 10°26           | 6°33          | T 27 |
| W28  | 4 26 35 | 5°31'17           | 14 <b>Ⅱ</b> 22 | 24°13          | 13° 3          | 7°30           | 1°45          | 19°43           | 3°34          | 1°23            | 18° 5  | 0°30          | 0° 4           | 10°33           | 6°30          | W28  |
| T 29 | 4 30 31 | 6°32'02           | 29°33          | 25°46          | 14°16          | 7°16           | 1°39          | 19°50           | 3°33          | 1°23            | 18° 4  | 0°30          | 0° 1           | 10°39           | 6°28          | T 29 |
| F 30 | 4 34 28 | 7 <b>.</b> ₹32'49 | 14930          | 27 <b>M</b> 20 | 15 <b>る</b> 28 | 7 <b>9</b> 5 1 | 1834          | 19 <b>.7</b> 56 | 3 <b>Υ</b> 33 | 1 <b>M</b> ) 23 | 1895 3 | 0 <b>耳</b> 29 | 29 <b>8</b> 58 | 10 <b>∡</b> 746 | 6 <b>8</b> 25 | F 30 |

Delta T = 24.38 sec

DECEMBER 1928 00:00 UT

| Day  | Sid.t   | 0                 | D              | φ              | ·               | ď              | 4     | ħ              | )Й(          | ¥             | P 2    | N              | Ω              | ţ               | Š             | Day  |
|------|---------|-------------------|----------------|----------------|-----------------|----------------|-------|----------------|--------------|---------------|--------|----------------|----------------|-----------------|---------------|------|
| S 1  | 4 38 24 | 8 <b>×</b> 733'38 | 299 7          | 28 <b>M</b> 54 | 16 <b>පි</b> 41 | 6°R46          | 1°R29 | 20 <b>x</b> 3  | 3°R32        | 1 <b>m</b> 23 | 18°R 2 | 0°R28          | 29 <b>8</b> 54 | 10 <b>×</b> 753 | 6°R23         | S 1  |
| S 2  | 4 42 21 | 9°34'28           | 13 <b>Ω</b> 18 | 0 <b>∡</b> 128 | 17°53           | 6929           | 1824  | 20°11          | <b>3</b> Υ31 | 1°23          | 1895 1 | 0 <b>Ⅱ</b> 27  | 29°51          | 10°59           | 6 <b>8</b> 21 | S 2  |
| M 3  | 4 46 17 | 10°35'19          | 27° 3          | 2° 1           | 19° 6           | 6°12           | 1°20  | 20°18          | 3°31         | 1°23          | 18° 0  | 0°26           | 29°48          | 11° 6           | 6°18          | M 3  |
| T 4  | 4 50 14 | 11°36'12          | 10 <b>m</b> 20 | 3°35           | 20°18           | 5°55           | 1°15  | 20°25          | 3°30         | 1°R23         | 17°59  | 0°D26          | 29°45          | 11°12           | 6°16          | T 4  |
| W 5  | 4 54 11 | 12°37'05          | 23°14          | 5° 9           | 21°31           | 5°36           | 1°11  | 20°32          | 3°30         | 1°23          | 17°58  | 0°26           | 29°42          | 11°19           | 6°14          | W 5  |
| T 6  | 4 58 7  | 13°38'01          | 5 <b>≏</b> 47  | 6°43           | 22°43           | 5°17           | 1° 7  | 20°39          | 3°30         | 1°23          | 17°57  | 0°27           | 29°38          | 11°26           | 6°12          | T 6  |
| F 7  | 5 2 4   | 14°38'57          | 18° 3          | 8°17           | 23°55           | 4°58           | 1° 3  | 20°46          | 3°29         | 1°23          | 17°56  | 0°28           | 29°35          | 11°32           | 6° 9          | F 7  |
| S 8  | 5 6 0   | 15°39'55          | 0 <b>™</b> 7   | 9°50           | 25° 7           | 4°38           | 0°59  | 20°53          | 3°29         | 1°23          | 17°55  | 0°30           | 29°32          | 11°39           | 6° 7          | S 8  |
| S 9  | 5 9 57  | 16°40'54          | 12° 2          | 11°24          | 26°20           | 4°17           | 0°55  | 21° 0          | 3°29         | 1°23          | 17°54  | 0°31           | 29°29          | 11°46           | 6° 5          | S 9  |
| M10  | 5 13 53 | 17°41'53          | 23°52          | 12°58          | 27°32           | 3°56           | 0°52  | 21° 7          | 3°28         | 1°23          | 17°53  | 0°32           | 29°26          | 11°52           | 6° 3          | M10  |
| T 11 | 5 17 50 | 18°42'54          | 5 <b>₹</b> 39  | 14°32          | 28°44           | 3°34           | 0°49  | 21°14          | 3°28         | 1°22          | 17°52  | 0°R32          | 29°23          | 11°59           | 6° 1          | T 11 |
| W12  | 5 21 46 | 19°43'56          | 17°26          | 16° 6          | 29°56           | 3°12           | 0°46  | 21°21          | 3°28         | 1°22          | 17°51  | 0°31           | 29°19          | 12° 6           | 5°59          | W12  |
| T 13 | 5 25 43 | 20°44'59          | 29°16          | 17°40          | 1≈ 8            | 2°49           | 0°43  | 21°28          | 3°D28        | 1°22          | 17°50  | 0°29           | 29°16          | 12°12           | 5°57          | T 13 |
| F 14 | 5 29 40 | 21°46'02          | 11 <b>る</b> 9  | 19°15          | 2°19            | 2°26           | 0°40  | 21°35          | 3°28         | 1°21          | 17°49  | 0°26           | 29°13          | 12°19           | 5°56          | F 14 |
| S 15 | 5 33 36 | 22°47'06          | 23° 9          | 20°49          | 3°31            | 2° 3           | 0°38  | 21°42          | 3°28         | 1°21          | 17°48  | 0°22           | 29°10          | 12°26           | 5°54          | S 15 |
| S 16 | 5 37 33 | 23°48'11          | 5≈17           | 22°23          | 4°43            | 1°40           | 0°36  | 21°50          | 3°28         | 1°21          | 17°46  | 0°18           | 29° 7          | 12°32           | 5°52          | S 16 |
| M17  | 5 41 29 | 24°49'16          | 17°35          | 23°58          | 5°55            | 1°16           | 0°34  | 21°57          | 3°29         | 1°20          | 17°45  | 0°14           | 29° 4          | 12°39           | 5°50          | M17  |
| T 18 | 5 45 26 | 25°50'21          | 0 <b>米</b> 6   | 25°32          | 7° 6            | 0°53           | 0°32  | 22° 4          | 3°29         | 1°20          | 17°44  | 0°11           | 29° 0          | 12°46           | 5°49          | T 18 |
| W19  | 5 49 22 | 26°51'27          | 12°53          | 27° 7          | 8°18            | 0°29           | 0°31  | 22°11          | 3°29         | 1°19          | 17°43  | 0° 9           | 28°57          | 12°52           | 5°47          | W19  |
| T 20 | 5 53 19 | 27°52'33          | 25°58          | 28°42          | 9°29            | 0° 5           | 0°29  | 22°18          | 3°29         | 1°19          | 17°42  | 0°D 8          | 28°54          | 12°59           | 5°46          | T 20 |
| F 21 | 5 57 16 | 28°53'39          | 9Υ26           | 0중17           | 10°40           | 29∏42          | 0°28  | 22°25          | 3°30         | 1°18          | 17°41  | 0° 8           | 28°51          | 13° 5           | 5°44          | F 21 |
| S 22 | 6 1 12  | 29°54'45          | 23°16          | 1°53           | 11°51           | 29°18          | 0°27  | 22°32          | 3°30         | 1°18          | 17°39  | 0°10           | 28°48          | 13°12           | 5°43          | S 22 |
| S 23 | 6 5 9   | 0 <b>ප</b> 55'52  | 7 <b>8</b> 31  | 3°28           | 13° 2           | 28°55          | 0°27  | 22°39          | 3°31         | 1°17          | 17°38  | 0°11           | 28°44          | 13°19           | 5°41          | S 23 |
| M24  | 6 9 5   | 1°56'58           | 22° 9          | 5° 4           | 14°13           | 28°31          | 0°26  | 22°46          | 3°31         | 1°16          | 17°37  | 0°12           | 28°41          | 13°25           | 5°40          | M24  |
| T 25 | 6 13 2  | 2°58'05           | 7 <b>II</b> 5  | 6°40           | 15°24           | 28° 8          | 0°26  | 22°53          | 3°32         | 1°16          | 17°36  | 0°R12          | 28°38          | 13°32           | 5°39          | T 25 |
| W26  | 6 16 58 | 3°59'12           | 22°14          | 8°16           | 16°35           | 27°45          | 0°D26 | 23° 0          | 3°33         | 1°15          | 17°35  | 0°11           | 28°35          | 13°39           | 5°37          | W26  |
| T 27 | 6 20 55 | 5° 0'20           | 7925           | 9°53           | 17°46           | 27°23          | 0°26  | 23° 7          | 3°33         | 1°14          | 17°33  | 0° 7           | 28°32          | 13°45           | 5°36          | T 27 |
| F 28 | 6 24 51 | 6° 1'27           | 22°29          | 11°30          | 18°56           | 27° 1          | 0°26  | 23°14          | 3°34         | 1°13          | 17°32  | 0° 3           | 28°29          | 13°52           | 5°35          | F 28 |
| S 29 | 6 28 48 | 7° 2'35           | $7\Omega$ 17   | 13° 7          | 20° 7           | 26°39          | 0°27  | 23°21          | 3°35         | 1°13          | 17°31  | 29 <b>8</b> 57 | 28°25          | 13°59           | 5°34          | S 29 |
| S 30 | 6 32 45 | 8° 3'43           | 21°42          | 14°44          | 21°17           | 26°18          | 0°28  | 23°28          | 3°36         | 1°12          | 17°30  | 29°51          | 28°22          | 14° 5           | 5°33          | S 30 |
| M31  | 6 36 41 | 9る 4'52           | 5 <b>m</b> 38  | 16 <b>る</b> 22 | 22≈27           | 25 <b>Ⅱ</b> 57 | 0829  | 23 <b>×</b> 35 | <b>3</b> Υ37 | 1 Mp 11       | 179528 | 29 <b>8</b> 46 | 28 <b>8</b> 19 | 14 <b>×</b> 12  | 5 <b>8</b> 32 | M31  |

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JANUARY 1929 00:00 UT

| Day          | Sid.t              | 0                            | D                      | ğ                      | φ                       | ♂               | 4             | ħ                        | )∤(                                       | 并              | В              | n              | Ω              | Ç                        | o<br>k        | Day          |
|--------------|--------------------|------------------------------|------------------------|------------------------|-------------------------|-----------------|---------------|--------------------------|---|----------------|----------------|----------------|----------------|--------------------------|---------------|--------------|
| T 1          | 6 40 38            | 10ට 6'01                     | 19 <b>m</b> ) 5        | 17 <b>궁</b> 59         | 23≈37                   | 25°R36          | 0 <b>8</b> 30 | 23 <b>×</b> 142          | <b>3</b> Υ38                              | 1°R10          | 17°R27         | 29°R42         | 28816          | 14 <b>×</b> 19           | 5°R31         | T 1          |
| W 2          | 6 44 34            | 11° 7'10                     | 2 <b>º</b> 4           | 19°37                  | 24°47                   | 25 <b>Ⅱ</b> 17  | 0°31          | 23°49                    | 3°39                                      | 1 <b>m</b> ) 9 | 179526         | 29 <b>8</b> 39 | 28°13          | 14°25                    | 5 <b>8</b> 31 | W 2          |
| T 3          | 6 48 31            | 12° 8'19                     | 14°39                  | 21°15                  | 25°57                   | 24°57           | 0°33          | 23°56                    | 3°40                                      | 1° 8           | 17°25          | 29°D39         | 28°10          | 14°32                    | 5°30          | T 3          |
| F 4          | 6 52 27            | 13° 9'29                     | 26°54                  | 22°54                  | 27° 6                   | 24°39           | 0°34          | 24° 3                    | 3°41                                      | 1° 7           | 17°23          | 29°40          | 28° 6          | 14°39                    | 5°29          | F 4          |
| S 5          | 6 56 24            | 14°10'38                     | 8 <b>M</b> .54         | 24°32                  | 28°16                   | 24°21           | 0°36          | 24°10                    | 3°42                                      | 1° 6           | 17°22          | 29°41          | 28° 3          | 14°45                    | 5°28          | S 5          |
| S 6          | 7 0 20             | 15°11'48                     | 20°45                  | 26°10                  | 29°25                   | 24° 4           | 0°39          | 24°16                    | 3°43                                      | 1° 5           | 17°21          | 29°43          | 28° 0          | 14°52                    | 5°28          | S 6          |
| M 7          | 7 4 17             | 16°12'59                     | 2 <b>₹</b> 32          | 27°49                  | 0 <b>∺</b> 35           | 23°47           | 0°41          | 24°23                    | 3°44                                      | 1° 4           | 17°19          | 29°R43         | 27°57          | 14°59                    | 5°27          | M 7          |
| T 8          | 7 8 14             | 17°14'09                     | 14°18                  | 29°27                  | 1°44                    | 23°31           | 0°44          | 24°30                    | 3°46                                      | 1° 3           | 17°18          | 29°42          | 27°54          | 15° 5                    | 5°27          | T 8          |
| W 9          | 7 12 10            | 18°15'19                     | 26° 7                  | 1≈ 5                   | 2°53                    | 23°16           | 0°46          | 24°37                    | 3°47                                      | 1° 2           | 17°17          | 29°38          | 27°51          | 15°12                    | 5°26          | W 9          |
| T 10         | 7 16 7             | 19°16'29                     | 8중 2                   | 2°42                   | 4° 1                    | 23° 1           | 0°49          | 24°43                    | 3°48                                      | 1° 1           | 17°16          | 29°32          | 27°47          | 15°19                    | 5°26          | T 10         |
| F 11         | 7 20 3             | 20°17'39                     | 20° 5                  | 4°19                   | 5°10                    | 22°48           | 0°53          | 24°50                    | 3°50                                      | 1° 0           | 17°14          | 29°24          | 27°44          | 15°25                    | 5°26          | F 11         |
| S 12         | 7 24 0             | 21°18'48                     | 2≈16                   | 5°55                   | 6°18                    | 22°35           | 0°56          | 24°57                    | 3°51                                      | 0°58           | 17°13          | 29°14          | 27°41          | 15°32                    | 5°25          | S 12         |
| S 13         | 7 27 56            | 22°19'57                     | 14°38                  | 7°31                   | 7°27                    | 22°23           | 1° 0          | 25° 3                    | 3°53                                      | 0°57           | 17°12          | 29° 3          | 27°38          | 15°38                    | 5°25          | S 13         |
| M14          | 7 31 53            | 23°21'06                     | 27°11                  | 9° 5                   | 8°35                    | 22°12           | 1° 3          | 25°10                    | 3°54                                      | 0°56           | 17°11          | 28°53          | 27°35          | 15°45                    | 5°25          | M14          |
| T 15         | 7 35 50            | 24°22'14                     | 9 <b>)</b> €54         | 10°37                  | 9°42                    | 22° 1           | 1° 7          | 25°16                    | 3°56                                      | 0°55           | 17° 9          | 28°44          | 27°31          | 15°52                    | 5°D25         | T 15         |
| W16          | 7 39 46            | 25°23'21                     | 22°50                  | 12° 8                  | 10°50                   | 21°52           | 1°11          | 25°23                    | 3°58                                      | 0°53           | 17° 8          | 28°37          | 27°28          | 15°58                    | 5°25          | W16          |
| T 17<br>F 18 | 7 43 43            | 26°24'27                     | 6Υ 0                   | 13°36<br>15° 1         | 11°57<br>13° 5          | 21°43<br>21°35  | 1°16          | 25°29<br>25°36           | 3°59<br>4° 1                              | 0°52<br>0°51   | 17° 7<br>17° 6 | 28°33<br>28°30 | 27°25          | 16° 5<br>16°12           | 5°25          | T 17<br>F 18 |
| S 19         | 7 47 39<br>7 51 36 | 27°25'33<br>28°26'37         | 19°25<br>3 <b>8</b> 6  | 16°24                  | 13° 3                   | 21°33           | 1°20<br>1°25  | 25°42                    | 4° 1                                      | 0°49           | 17° 6<br>17° 4 | 28°D30         | 27°22<br>27°19 | 16°12<br>16°18           | 5°25<br>5°26  | S 19         |
|              |                    |                              |                        |                        |                         |                 |               |                          | _   |                |                |                |                |                          |               |              |
| S 20         | 7 55 32            | 29°27'41                     | 17° 5                  | 17°42                  | 15°18                   | 21°21           | 1°30          | 25°48                    | 4° 5                                      | 0°48           | 17° 3          | 28°31          | 27°16          | 16°25                    | 5°26          | S 20         |
| M21          | 7 59 29            | 0≈28'44                      | 1П22                   | 18°55                  | 16°25                   | 21°16           | 1°35          | 25°55                    | 4° 7                                      | 0°47           | 17° 2          | 28°R31         | 27°12          | 16°32                    | 5°26          | M21          |
| T 22<br>W23  | 8 3 25<br>8 7 22   | 1°29'46<br>2°30'47           | 15°56<br>0 <b>©</b> 42 | 20° 3<br>21° 6         | 17°31<br>18°37          | 21°11<br>21° 7  | 1°40<br>1°46  | 26° 1<br>26° 7           | 4° 9<br>4°11                              | 0°45<br>0°44   | 17° 1<br>16°59 | 28°30<br>28°26 | 27° 9<br>27° 6 | 16°38<br>16°45           | 5°27<br>5°27  | T 22<br>W23  |
| T 24         | 8 11 19            | 3°31'47                      | 15°35                  | 21° 6                  | 18°37<br>19°43          | 21° /           | 1°46          | 26°13                    | 4°11<br>4°13                              | 0°44<br>0°42   | 16°58          | 28°20          | 27° 6          | 16°43                    | 5°27          | T 24         |
| F 25         | 8 15 15            | 4°32'46                      | $0\Omega^{27}$         | 22°48                  | 20°49                   | 21° 2           | 1°57          | 26°19                    | 4°15                                      | 0°41           | 16°57          | 28°11          | 27° 0          | 16°58                    | 5°28          | F 25         |
| S 26         | 8 19 12            | 5°33'45                      | 15° 9                  | 23°27                  | 21°54                   | 21° 0           | 2° 3          | 26°25                    | 4°17                                      | 0°40           | 16°56          | 28° 0          | 26°57          | 17° 5                    | 5°29          | S 26         |
|              |                    |                              |                        |                        |                         |                 |               |                          |   |                |                |                |                |                          |               |              |
| S 27         | 8 23 8             | 6°34'42                      | 29°32                  | 23°56                  | 22°59                   | 20°59           | 2° 9          | 26°31                    | 4°19                                      | 0°38           | 16°55          | 27°49          | 26°53          | 17°12                    | 5°29          | S 27         |
| M28<br>T 29  | 8 27 5<br>8 31 1   | 7°35'39<br>8°36'34           | 13 Mp 32<br>27° 4      | 24°15<br>24°R23        | 24° 3<br>25° 8          | 20°D59<br>21° 0 | 2°16<br>2°22  | 26°37<br>26°43           | 4°21<br>4°23                              | 0°37<br>0°35   | 16°53<br>16°52 | 27°39<br>27°30 | 26°50<br>26°47 | 17°18<br>17°25           | 5°30<br>5°31  | M28<br>T 29  |
| W30          | 8 34 58            | 9°37'29                      | 10 <u>0</u> 9          | 24°R23                 | 25° 8<br>26°12          | 21° 0           | 2°29          | 26°43<br>26°49           | 4°26                                      | 0°33           | 16°52          | 27°24          | 26°47<br>26°44 | 17°23                    | 5°32          | W30          |
| T 31         | 8 38 54            | 9 37 29<br>10 <b>≈</b> 38'24 | 22 <u>0</u> 49         | 24 20<br>24 <b>≈</b> 6 | 20 12<br>27 <b>)</b> 15 | $21\Pi 4$       | 2836          | 26 49<br>26 <b>×</b> 755 | $4^{\circ}2^{\circ}$ $4^{\circ}2^{\circ}$ | 0 m 32         | 16950          | 27820          | 26841          | 17 32<br>17 <b>×</b> 738 | 5 <b>8</b> 33 | T 31         |
| 1 31         | 0 30 34            | 10~36 24                     | 22=49                  | ∠ <del>+</del> ~ 0     | 2//(13                  | 21 <b>11</b> 4  | 2030          | 207 33                   | 7120                                      | 0 iiy 32       | 10-350         | 27020          | 20041          | 1/2 30                   | 2033          | 1 31         |

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FEBRUARY 1929 00:00 UT

| Day  | Sid.t    | 0                | 7)              | φ      | ·              | o <sup>r</sup> | 4             | ħ              | )ұ(           | ¥              | 2      | ß      | Ω              | ţ               | κ <sub>O</sub> | Day  |
|------|----------|------------------|-----------------|--------|----------------|----------------|---------------|----------------|---------------|----------------|--------|--------|----------------|-----------------|----------------|------|
| F 1  | 8 42 51  | 11≈39'17         | 5 <b>m</b> 7    | 23°R40 | 28 <b>)</b> 19 | 21耳 7          | 2 <b>8</b> 43 | 27 <b>×7</b> 1 | <b>4</b> Υ30  | 0°R30          | 16°R49 | 27°R19 | 26 <b>8</b> 37 | 17 <b>.7</b> 45 | 5 <b>8</b> 34  | F 1  |
| S 2  | 8 46 48  | 12°40'10         | 17°10           | 23≈ 4  | 29°22          | 21°10          | 2°50          | 27° 6          | 4°33          | 0 <b>m</b> 29  | 169548 | 27°D19 | 26°34          | 17°52           | 5°35           | S 2  |
| S 3  | 8 50 44  | 13°41'02         | 29° 1           | 22°18  | 0Υ25           | 21°15          | 2°57          | 27°12          | 4°35          | 0°27           | 16°46  | 27°R19 | 26°31          | 17°58           | 5°36           | S 3  |
| M 4  | 8 54 41  | 14°41'53         | 10 <b>×</b> 748 | 21°24  | 1°27           | 21°20          | 3° 4          | 27°17          | 4°38          | 0°26           | 16°45  | 27818  | 26°28          | 18° 5           | 5°37           | M 4  |
| T 5  | 8 58 37  | 15°42'43         | 22°36           | 20°22  | 2°29           | 21°26          | 3°12          | 27°23          | 4°40          | 0°24           | 16°44  | 27°15  | 26°25          | 18°12           | 5°38           | T 5  |
| W 6  | 9 2 34   | 16°43'33         | 4 <b>る</b> 28   | 19°15  | 3°30           | 21°32          | 3°20          | 27°28          | 4°43          | 0°22           | 16°43  | 27°10  | 26°22          | 18°18           | 5°39           | W 6  |
| T 7  | 9 6 30   | 17°44'21         | 16°29           | 18° 5  | 4°32           | 21°39          | 3°28          | 27°34          | 4°45          | 0°21           | 16°42  | 27° 2  | 26°18          | 18°25           | 5°41           | T 7  |
| F 8  | 9 10 27  | 18°45'08         | 28°41           | 16°53  | 5°32           | 21°47          | 3°36          | 27°39          | 4°48          | 0°19           | 16°41  | 26°51  | 26°15          | 18°31           | 5°42           | F 8  |
| S 9  | 9 14 23  | 19°45'54         | 11 <b>≈</b> 6   | 15°42  | 6°33           | 21°55          | 3°44          | 27°44          | 4°50          | 0°17           | 16°40  | 26°38  | 26°12          | 18°38           | 5°43           | S 9  |
| S 10 | 9 18 20  | 20°46'39         | 23°45           | 14°33  | 7°33           | 22° 4          | 3°52          | 27°50          | 4°53          | 0°16           | 16°39  | 26°24  | 26° 9          | 18°45           | 5°45           | S 10 |
| M11  | 9 22 17  | 21°47'22         | 6 <b>)</b> €37  | 13°28  | 8°32           | 22°14          | 4° 1          | 27°55          | 4°56          | 0°14           | 16°38  | 26°10  | 26° 6          | 18°51           | 5°46           | M11  |
| T 12 | 9 26 13  | 22°48'04         | 19°42           | 12°29  | 9°31           | 22°24          | 4° 9          | 28° 0          | 4°58          | 0°13           | 16°37  | 25°57  | 26° 2          | 18°58           | 5°48           | T 12 |
| W13  | 9 30 10  | 23°48'44         | 2 <b>Y</b> 57   | 11°36  | 10°30          | 22°35          | 4°18          | 28° 5          | 5° 1          | 0°11           | 16°36  | 25°47  | 25°59          | 19° 5           | 5°50           | W13  |
| T 14 | 9 34 6   | 24°49'22         | 16°23           | 10°50  | 11°28          | 22°46          | 4°27          | 28°10          | 5° 4          | 0° 9           | 16°35  | 25°41  | 25°56          | 19°11           | 5°51           | T 14 |
| F 15 | 9 38 3   | 25°49'59         | 29°59           | 10°11  | 12°25          | 22°58          | 4°36          | 28°15          | 5° 7          | 0° 8           | 16°34  | 25°37  | 25°53          | 19°18           | 5°53           | F 15 |
| S 16 | 9 41 59  | 26°50'34         | 13 <b>8</b> 44  | 9°41   | 13°22          | 23°10          | 4°45          | 28°19          | 5°10          | 0° 6           | 16°33  | 25°35  | 25°50          | 19°25           | 5°55           | S 16 |
| S 17 | 9 45 56  | 27°51'08         | 27°39           | 9°18   | 14°18          | 23°23          | 4°54          | 28°24          | 5°12          | 0° 4           | 16°32  | 25°35  | 25°47          | 19°31           | 5°57           | S 17 |
| M18  | 9 49 52  | 28°51'39         | 11 <b>Ⅱ</b> 44  | 9° 3   | 15°14          | 23°37          | 5° 4          | 28°29          | 5°15          | 0° 2           | 16°31  | 25°35  | 25°43          | 19°38           | 5°59           | M18  |
| T 19 | 9 53 49  | 29°52'09         | 25°58           | 8°55   | 16° 9          | 23°51          | 5°13          | 28°33          | 5°18          | 0° 1           | 16°30  | 25°33  | 25°40          | 19°45           | 6° 1           | T 19 |
| W20  | 9 57 46  | 0 <b>¥</b> 52'37 | 109520          | 8°D54  | 17° 4          | 24° 5          | 5°23          | 28°38          | 5°21          | 29 <b>Ω</b> 59 | 16°29  | 25°29  | 25°37          | 19°51           | 6° 3           | W20  |
| T 21 | 10 1 42  | 1°53'03          | 24°47           | 9° 0   | 17°58          | 24°20          | 5°33          | 28°42          | 5°24          | 29°57          | 16°29  | 25°22  | 25°34          | 19°58           | 6° 5           | T 21 |
| F 22 | 10 5 39  | 2°53'28          | 9Ω12            | 9°13   | 18°51          | 24°36          | 5°43          | 28°46          | 5°27          | 29°56          | 16°28  | 25°12  | 25°31          | 20° 5           | 6° 7           | F 22 |
| S 23 | 10 9 35  | 3°53'50          | 23°31           | 9°31   | 19°43          | 24°52          | 5°53          | 28°51          | 5°30          | 29°54          | 16°27  | 25° 0  | 25°28          | 20°11           | 6° 9           | S 23 |
| S 24 | 10 13 32 | 4°54'11          | 7 <b>m</b> 37   | 9°55   | 20°35          | 25° 8          | 6° 3          | 28°55          | 5°33          | 29°52          | 16°26  | 24°48  | 25°24          | 20°18           | 6°11           | S 24 |
| M25  | 10 17 28 | 5°54'30          | 21°25           | 10°24  | 21°26          | 25°25          | 6°13          | 28°59          | 5°36          | 29°51          | 16°25  | 24°36  | 25°21          | 20°25           | 6°13           | M25  |
| T 26 | 10 21 25 | 6°54'47          | 4 <b>≏</b> 51   | 10°58  | 22°16          | 25°42          | 6°23          | 29° 3          | 5°39          | 29°49          | 16°25  | 24°26  | 25°18          | 20°31           | 6°16           | T 26 |
| W27  | 10 25 21 | 7°55'03          | 17°54           | 11°36  | 23° 5          | 26° 0          | 6°34          | 29° 7          | 5°43          | 29°47          | 16°24  | 24°19  | 25°15          | 20°38           | 6°18           | W27  |
| T 28 | 10 29 18 | 8 <b>米</b> 55'17 | 0 <b>M</b> .34  | 12≈19  | 23 <b>Y</b> 54 | 26 <b>Ⅱ</b> 18 | 6 <b>8</b> 44 | 29 <b>×</b> 11 | 5 <b>Υ</b> 46 | 29 <b>Ω</b> 46 | 169523 | 24814  | 25 <b>8</b> 12 | 20 <b>х</b> 45  | 6 <b>8</b> 20  | T 28 |

Delta T = 24.39 sec

MARCH 1929 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ             | Ŷ              | ð     | 4             | ħ              | )f(           | ¥              | В      | P.             | v              | ţ               | ę,            | Day  |
|------|----------|------------------|----------------|---------------|----------------|-------|---------------|----------------|---------------|----------------|--------|----------------|----------------|-----------------|---------------|------|
| F 1  | 10 33 14 | 9 <b>米</b> 55'29 | 12 <b>M</b> 55 | 13≈ 5         | 24 <b>Υ</b> 42 | 26耳36 | 6 <b>8</b> 55 | 29 <b>х</b> 15 | 5 <b>Υ</b> 49 | 29°R44         | 16°R22 | 24°R12         | 25 <b>8</b> 8  | 20 <b>×</b> 751 | 6 <b>8</b> 23 | F 1  |
| S 2  | 10 37 11 | 10°55'41         | 25° 0          | 13°54         | 25°28          | 26°55 | 7° 6          | 29°18          | 5°52          | 29 <b>Ω</b> 42 | 169522 | 24°D11         | 25° 5          | 20°58           | 6°25          | S 2  |
| S 3  | 10 41 8  | 11°55'50         | 6 <b>₹</b> 54  | 14°47         | 26°14          | 27°14 | 7°17          | 29°22          | 5°55          | 29°41          | 16°21  | 24°R11         | 25° 2          | 21° 5           | 6°28          | S 3  |
| M 4  | 10 45 4  | 12°55'58         | 18°43          | 15°43         | 26°59          | 27°34 | 7°28          | 29°26          | 5°58          | 29°39          | 16°21  | 24811          | 24°59          | 21°11           | 6°30          | M 4  |
| T 5  | 10 49 1  | 13°56'05         | 0 <b>궁</b> 32  | 16°42         | 27°43          | 27°54 | 7°39          | 29°29          | 6° 2          | 29°38          | 16°20  | 24°10          | 24°56          | 21°18           | 6°33          | T 5  |
| W 6  | 10 52 57 | 14°56'10         | 12°27          | 17°44         | 28°25          | 28°14 | 7°50          | 29°32          | 6° 5          | 29°36          | 16°19  | 24° 6          | 24°53          | 21°25           | 6°36          | W 6  |
| T 7  | 10 56 54 | 15°56'13         | 24°31          | 18°48         | 29° 7          | 28°35 | 8° 1          | 29°36          | 6° 8          | 29°34          | 16°19  | 24° 0          | 24°49          | 21°31           | 6°38          | T 7  |
| F 8  | 11 0 50  | 16°56'15         | 6≈50           | 19°54         | 29°48          | 28°56 | 8°13          | 29°39          | 6°11          | 29°33          | 16°18  | 23°52          | 24°46          | 21°38           | 6°41          | F 8  |
| S 9  | 11 447   | 17°56'15         | 19°26          | 21° 3         | 0 <b>8</b> 27  | 29°17 | 8°24          | 29°42          | 6°15          | 29°31          | 16°18  | 23°41          | 24°43          | 21°45           | 6°44          | S 9  |
| S 10 | 11 8 43  | 18°56'13         | 2 <b>)</b> 19  | 22°14         | 1° 5           | 29°39 | 8°36          | 29°45          | 6°18          | 29°30          | 16°17  | 23°29          | 24°40          | 21°51           | 6°47          | S 10 |
| M11  | 11 12 40 | 19°56'09         | 15°30          | 23°26         | 1°42           | 0ରେ 1 | 8°47          | 29°48          | 6°21          | 29°28          | 16°17  | 23°18          | 24°37          | 21°58           | 6°50          | M11  |
| T 12 | 11 16 37 | 20°56'03         | 28°57          | 24°41         | 2°17           | 0°23  | 8°59          | 29°51          | 6°25          | 29°26          | 16°16  | 23° 8          | 24°34          | 22° 5           | 6°53          | T 12 |
| W13  | 11 20 33 | 21°55'56         | 12 <b>Y</b> 37 | 25°57         | 2°52           | 0°46  | 9°11          | 29°53          | 6°28          | 29°25          | 16°16  | 22°59          | 24°30          | 22°11           | 6°55          | W13  |
| T 14 | 11 24 30 | 22°55'46         | 26°28          | 27°15         | 3°24           | 1° 8  | 9°23          | 29°56          | 6°31          | 29°23          | 16°15  | 22°54          | 24°27          | 22°18           | 6°58          | T 14 |
| F 15 | 11 28 26 | 23°55'34         | 10827          | 28°35         | 3°55           | 1°32  | 9°35          | 29°59          | 6°35          | 29°22          | 16°15  | 22°51          | 24°24          | 22°25           | 7° 1          | F 15 |
| S 16 | 11 32 23 | 24°55'20         | 24°30          | 29°56         | 4°25           | 1°55  | 9°47          | 0중 1           | 6°38          | 29°20          | 16°15  | 22°D50         | 24°21          | 22°31           | 7° 4          | S 16 |
| S 17 | 11 36 19 | 25°55'04         | 8Д35           | 1 <b>米</b> 19 | 4°53           | 2°19  | 9°59          | 0° 3           | 6°41          | 29°19          | 16°14  | 22°51          | 24°18          | 22°38           | 7° 8          | S 17 |
| M18  | 11 40 16 | 26°54'45         | 22°42          | 2°43          | 5°19           | 2°43  | 10°11         | 0° 6           | 6°45          | 29°18          | 16°14  | 22°R52         | 24°14          | 22°45           | 7°11          | M18  |
| T 19 | 11 44 12 | 27°54'24         | 6950           | 4° 9          | 5°44           | 3° 7  | 10°23         | 0° 8           | 6°48          | 29°16          | 16°14  | 22°51          | 24°11          | 22°51           | 7°14          | T 19 |
| W20  | 11 48 9  | 28°54'01         | 20°56          | 5°37          | 6° 7           | 3°32  | 10°36         | 0°10           | 6°52          | 29°15          | 16°13  | 22°49          | 24° 8          | 22°58           | 7°17          | W20  |
| T 21 | 11 52 6  | 29°53'36         | 5 <b>Ω</b> 0   | 7° 5          | 6°28           | 3°57  | 10°48         | 0°12           | 6°55          | 29°13          | 16°13  | 22°45          | 24° 5          | 23° 5           | 7°20          | T 21 |
| F 22 | 11 56 2  | 0 <b>Υ</b> 53'08 | 18°59          | 8°35          | 6°47           | 4°22  | 11° 1         | 0°14           | 6°58          | 29°12          | 16°13  | 22°38          | 24° 2          | 23°11           | 7°24          | F 22 |
| S 23 | 11 59 59 | 1°52'38          | 2 Mp 49        | 10° 7         | 7° 4           | 4°47  | 11°13         | 0°16           | 7° 2          | 29°11          | 16°13  | 22°30          | 23°59          | 23°18           | 7°27          | S 23 |
| S 24 | 12 3 55  | 2°52'06          | 16°29          | 11°40         | 7°19           | 5°12  | 11°26         | 0°17           | 7° 5          | 29° 9          | 16°13  | 22°22          | 23°55          | 23°25           | 7°30          | S 24 |
| M25  | 12 7 52  | 3°51'31          | 29°54          | 13°14         | 7°32           | 5°38  | 11°39         | 0°19           | 7° 9          | 29° 8          | 16°12  | 22°13          | 23°52          | 23°31           | 7°33          | M25  |
| T 26 | 12 11 48 | 4°50'55          | 13 <b>º</b> 2  | 14°50         | 7°43           | 6° 4  | 11°51         | 0°20           | 7°12          | 29° 7          | 16°12  | 22° 6          | 23°49          | 23°38           | 7°37          | T 26 |
| W27  | 12 15 45 | 5°50'16          | 25°53          | 16°27         | 7°51           | 6°30  | 12° 4         | 0°22           | 7°16          | 29° 5          | 16°12  | 22° 1          | 23°46          | 23°44           | 7°40          | W27  |
| T 28 | 12 19 41 | 6°49'36          | 8M26           | 18° 5         | 7°57           | 6°57  | 12°17         | 0°23           | 7°19          | 29° 4          | 16°12  | 21°58          | 23°43          | 23°51           | 7°44          | T 28 |
| F 29 | 12 23 38 | 7°48'54          | 20°43          | 19°45         | 8° 1           | 7°23  | 12°30         | 0°24           | 7°22          | 29° 3          | 16°12  | 21°D57         | 23°39          | 23°58           | 7°47          | F 29 |
| S 30 | 12 27 35 | 8°48'10          | 2 <b>,</b> 747 | 21°26         | 8°R 3          | 7°50  | 12°43         | 0°25           | 7°26          | 29° 2          | 16°D12 | 21°58          | 23°36          | 24° 4           | 7°50          | S 30 |
| S 31 | 12 31 31 | 9 <b>Ƴ</b> 47'24 | 14 <b>×</b> 42 | 23 <b>∺</b> 8 | 8 <b>8</b> 2   | 8917  | 12856         | 0 <b>ප</b> 26  | 7 <b>Ƴ</b> 29 | 29⋒ 0          | 16912  | 21 <b>8</b> 59 | 23 <b>8</b> 33 | 24 <b>×</b> 11  | 7 <b>8</b> 54 | S 31 |

Delta T = 24.39 sec

APRIL 1929 00:00 UT

| Day  | Sid.t    | 0                 | D               | ğ              | ·              | ď      | 4              | ħ             | )ţ(           | ¥              | Р      | u      | v              | Ç              | ç             | Day  |
|------|----------|-------------------|-----------------|----------------|----------------|--------|----------------|---------------|---------------|----------------|--------|--------|----------------|----------------|---------------|------|
| M 1  | 12 35 28 | 10 <b>Y</b> 46'36 | 26 <b>₹</b> 32  | 24 <b>)</b> 52 | 7°R58          | 89644  | 13 <b>8</b> 9  | 0 <b>ට</b> 27 | 7 <b>Υ</b> 33 | 28°R59         | 169612 | 228 1  | 23830          | 24 <b>×</b> 18 | 7 <b>8</b> 57 | M 1  |
| T 2  | 12 39 24 | 11°45'47          | 8 <b>궁</b> 22   | 26°37          | 7 <b>8</b> 53  | 9°11   | 13°22          | 0°28          | 7°36          | 28 <b>£</b> 58 | 16°12  | 22°R 2 | 23°27          | 24°24          | 8° 1          | T 2  |
| W 3  | 12 43 21 | 12°44'56          | 20°18           | 28°24          | 7°44           | 9°39   | 13°36          | 0°29          | 7°39          | 28°57          | 16°12  | 22° 1  | 23°24          | 24°31          | 8° 5          | W 3  |
| T 4  | 12 47 17 | 13°44'03          | 2≈23            | 0 <b>Υ</b> 12  | 7°34           | 10° 7  | 13°49          | 0°30          | 7°43          | 28°56          | 16°12  | 22° 0  | 23°20          | 24°38          | 8° 8          | T 4  |
| F 5  | 12 51 14 | 14°43'08          | 14°44           | 2° 2           | 7°20           | 10°35  | 14° 2          | 0°30          | 7°46          | 28°55          | 16°12  | 21°56  | 23°17          | 24°44          | 8°12          | F 5  |
| S 6  | 12 55 10 | 15°42'11          | 27°23           | 3°52           | 7° 5           | 11° 3  | 14°16          | 0°30          | 7°50          | 28°54          | 16°13  | 21°51  | 23°14          | 24°51          | 8°15          | S 6  |
| S 7  | 12 59 7  | 16°41'13          | 10 <b>)</b> €24 | 5°45           | 6°47           | 11°31  | 14°29          | 0°31          | 7°53          | 28°53          | 16°13  | 21°46  | 23°11          | 24°58          | 8°19          | S 7  |
| M 8  | 13 3 4   | 17°40'12          | 23°46           | 7°39           | 6°26           | 11°59  | 14°43          | 0°31          | 7°57          | 28°52          | 16°13  | 21°40  | 23° 8          | 25° 4          | 8°23          | M 8  |
| T 9  | 13 7 0   | 18°39'10          | 7 <b>Y</b> 30   | 9°34           | 6° 4           | 12°28  | 14°56          | 0°31          | 8° 0          | 28°51          | 16°13  | 21°35  | 23° 5          | 25°11          | 8°26          | T 9  |
| W10  | 13 10 57 | 19°38'06          | 21°32           | 11°31          | 5°39           | 12°57  | 15°10          | 0°R31         | 8° 3          | 28°50          | 16°13  | 21°31  | 23° 1          | 25°18          | 8°30          | W10  |
| T 11 | 13 14 53 | 20°37'00          | 5 <b>8</b> 48   | 13°29          | 5°12           | 13°25  | 15°23          | 0°31          | 8° 7          | 28°49          | 16°14  | 21°28  | 22°58          | 25°24          | 8°34          | T 11 |
| F 12 | 13 18 50 | 21°35'51          | 20°13           | 15°28          | 4°43           | 13°55  | 15°37          | 0°31          | 8°10          | 28°48          | 16°14  | 21°D27 | 22°55          | 25°31          | 8°38          | F 12 |
| S 13 | 13 22 46 | 22°34'41          | 4 <b>Ⅱ</b> 42   | 17°29          | 4°13           | 14°24  | 15°50          | 0°31          | 8°13          | 28°47          | 16°14  | 21°28  | 22°52          | 25°38          | 8°41          | S 13 |
| S 14 | 13 26 43 | 23°33'29          | 19°10           | 19°31          | 3°40           | 14°53  | 16° 4          | 0°30          | 8°17          | 28°46          | 16°15  | 21°29  | 22°49          | 25°44          | 8°45          | S 14 |
| M15  | 13 30 39 | 24°32'14          | 3932            | 21°35          | 3° 7           | 15°23  | 16°18          | 0°30          | 8°20          | 28°45          | 16°15  | 21°31  | 22°45          | 25°51          | 8°49          | M15  |
| T 16 | 13 34 36 | 25°30'57          | 17°47           | 23°39          | 2°32           | 15°52  | 16°32          | 0°29          | 8°23          | 28°45          | 16°15  | 21°32  | 22°42          | 25°58          | 8°53          | T 16 |
| W17  | 13 38 33 | 26°29'38          | 1 <b>Ω</b> 51   | 25°45          | 1°56           | 16°22  | 16°46          | 0°28          | 8°27          | 28°44          | 16°16  | 21°R32 | 22°39          | 26° 4          | 8°56          | W17  |
| T 18 | 13 42 29 | 27°28'16          | 15°43           | 27°51          | 1°19           | 16°52  | 16°59          | 0°28          | 8°30          | 28°43          | 16°16  | 21°31  | 22°36          | 26°11          | 9° 0          | T 18 |
| F 19 | 13 46 26 | 28°26'52          | 29°23           | 29°58          | 0°41           | 17°22  | 17°13          | 0°27          | 8°33          | 28°43          | 16°17  | 21°29  | 22°33          | 26°18          | 9° 4          | F 19 |
| S 20 | 13 50 22 | 29°25'26          | 12 <b>m</b> 50  | 2 <b>8</b> 5   | 0° 3           | 17°52  | 17°27          | 0°26          | 8°37          | 28°42          | 16°17  | 21°26  | 22°30          | 26°24          | 9° 8          | S 20 |
| S 21 | 13 54 19 | 0 <b>8</b> 23'58  | 26° 4           | 4°13           | 29 <b>Y</b> 25 | 18°22  | 17°41          | 0°25          | 8°40          | 28°41          | 16°18  | 21°23  | 22°26          | 26°31          | 9°12          | S 21 |
| M22  | 13 58 15 | 1°22'28           | 9 <b>º</b> 4    | 6°21           | 28°48          | 18°53  | 17°55          | 0°24          | 8°43          | 28°41          | 16°18  | 21°20  | 22°23          | 26°38          | 9°16          | M22  |
| T 23 | 14 2 12  | 2°20'55           | 21°50           | 8°29           | 28°10          | 19°23  | 18° 9          | 0°22          | 8°46          | 28°40          | 16°19  | 21°17  | 22°20          | 26°44          | 9°19          | T 23 |
| W24  | 14 6 8   | 3°19'21           | 4 <b>M</b> 23   | 10°36          | 27°34          | 19°54  | 18°23          | 0°21          | 8°49          | 28°40          | 16°19  | 21°15  | 22°17          | 26°51          | 9°23          | W24  |
| T 25 | 14 10 5  | 4°17'45           | 16°43           | 12°42          | 26°58          | 20°25  | 18°37          | 0°20          | 8°53          | 28°39          | 16°20  | 21°D15 | 22°14          | 26°58          | 9°27          | T 25 |
| F 26 | 14 14 2  | 5°16'07           | 28°52           | 14°47          | 26°23          | 20°56  | 18°51          | 0°18          | 8°56          | 28°39          | 16°21  | 21°15  | 22°11          | 27° 5          | 9°31          | F 26 |
| S 27 | 14 17 58 | 6°14'28           | 10 <b>×</b> 751 | 16°50          | 25°50          | 21°27  | 19° 5          | 0°17          | 8°59          | 28°38          | 16°21  | 21°15  | 22° 7          | 27°11          | 9°35          | S 27 |
| S 28 | 14 21 55 | 7°12'47           | 22°45           | 18°52          | 25°18          | 21°58  | 19°19          | 0°15          | 9° 2          | 28°38          | 16°22  | 21°17  | 22° 4          | 27°18          | 9°39          | S 28 |
| M29  | 14 25 51 | 8°11'04           | 4 <b>궁</b> 34   | 20°52          | 24°48          | 22°29  | 19°33          | 0°13          | 9° 5          | 28°37          | 16°23  | 21°18  | 22° 1          | 27°25          | 9°43          | M29  |
| T 30 | 14 29 48 | 9 <b>8</b> 9'20   | 16 <b>る</b> 25  | 22 <b>8</b> 49 | 24 <b>Y</b> 20 | 2399 0 | 19 <b>8</b> 47 | 0 <b>ට</b> 11 | 9 <b>Y</b> 8  | 28€37          | 169523 | 21819  | 21 <b>8</b> 58 | 27 <b>×</b> 31 | 9 <b>8</b> 46 | T 30 |

Delta T = 24.40 sec

MAY 1929 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | φ              | o <sup>™</sup> | 4             | ħ               | ) <b>f</b> (   | ¥              | В      | N.     | v              | Ç               | ę,             | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|---------------|-----------------|----------------|----------------|--------|--------|----------------|-----------------|----------------|------|
| W 1  | 14 33 44 | 10 <b>8</b> 7'34 | 28중21           | 24844          | 23°R54         | 23932          | 208 1         | 0°R 9           | 9 <b>Υ</b> 11  | 28°R37         | 169524 | 21820  | 21 <b>8</b> 55 | 27 <b>∡</b> 738 | 9 <b>8</b> 50  | W 1  |
| T 2  | 14 37 41 | 11° 5'47         | 10≈26           | 26°36          | 23 <b>Y</b> 30 | 24° 3          | 20°16         | 0중 7            | 9°14           | 28 <b>N</b> 36 | 16°25  | 21°R20 | 21°51          | 27°45           | 9°54           | T 2  |
| F 3  | 14 41 37 | 12° 3'58         | 22°45           | 28°25          | 23° 8          | 24°35          | 20°30         | 0° 5            | 9°17           | 28°36          | 16°26  | 21°20  | 21°48          | 27°51           | 9°58           | F 3  |
| S 4  | 14 45 34 | 13° 2'07         | 5 <b>∺</b> 23   | 0 <b>I</b> I11 | 22°49          | 25° 7          | 20°44         | 0° 3            | 9°20           | 28°36          | 16°26  | 21°19  | 21°45          | 27°58           | 10° 2          | S 4  |
| S 5  | 14 49 31 | 14° 0'16         | 18°23           | 1°53           | 22°31          | 25°38          | 20°58         | 0° 0            | 9°23           | 28°36          | 16°27  | 21°19  | 21°42          | 28° 5           | 10° 6          | S 5  |
| M 6  | 14 53 27 | 14°58'22         | 1 <b>Ƴ</b> 47   | 3°32           | 22°17          | 26°10          | 21°12         | 29 <b>×</b> 758 | 9°26           | 28°36          | 16°28  | 21°18  | 21°39          | 28°11           | 10°10          | M 6  |
| T 7  | 14 57 24 | 15°56'28         | 15°36           | 5° 7           | 22° 4          | 26°42          | 21°26         | 29°56           | 9°29           | 28°36          | 16°29  | 21°17  | 21°36          | 28°18           | 10°14          | T 7  |
| W 8  | 15 1 20  | 16°54'32         | 29°49           | 6°38           | 21°54          | 27°15          | 21°41         | 29°53           | 9°32           | 28°35          | 16°30  | 21°17  | 21°32          | 28°25           | 10°17          | W 8  |
| T 9  | 15 5 17  | 17°52'34         | 14822           | 8° 6           | 21°47          | 27°47          | 21°55         | 29°50           | 9°35           | 28°35          | 16°31  | 21°D16 | 21°29          | 28°31           | 10°21          | T 9  |
| F 10 | 15 9 13  | 18°50'35         | 29° 9           | 9°30           | 21°42          | 28°19          | 22° 9         | 29°48           | 9°38           | 28°D35         | 16°32  | 21°16  | 21°26          | 28°38           | 10°25          | F 10 |
| S 11 | 15 13 10 | 19°48'34         | 14 <b>I</b> I 3 | 10°50          | 21°39          | 28°51          | 22°23         | 29°45           | 9°41           | 28°35          | 16°32  | 21°17  | 21°23          | 28°45           | 10°29          | S 11 |
| S 12 | 15 17 6  | 20°46'32         | 28°56           | 12° 6          | 21°D39         | 29°24          | 22°38         | 29°42           | 9°43           | 28°35          | 16°33  | 21°17  | 21°20          | 28°51           | 10°33          | S 12 |
| M13  | 15 21 3  | 21°44'28         | 139540          | 13°18          | 21°41          | 29°57          | 22°52         | 29°39           | 9°46           | 28°36          | 16°34  | 21°R17 | 21°17          | 28°58           | 10°37          | M13  |
| T 14 | 15 25 0  | 22°42'22         | 28°11           | 14°25          | 21°45          | 0 <b>Ω</b> 29  | 23° 6         | 29°36           | 9°49           | 28°36          | 16°35  | 21°17  | 21°13          | 29° 5           | 10°41          | T 14 |
| W15  | 15 28 56 | 23°40'14         | $12\Omega_{23}$ | 15°29          | 21°52          | 1° 2           | 23°20         | 29°33           | 9°52           | 28°36          | 16°36  | 21°16  | 21°10          | 29°11           | 10°44          | W15  |
| T 16 | 15 32 53 | 24°38'04         | 26°16           | 16°28          | 22° 1          | 1°35           | 23°34         | 29°30           | 9°54           | 28°36          | 16°37  | 21°D16 | 21° 7          | 29°18           | 10°48          | T 16 |
| F 17 | 15 36 49 | 25°35'53         | 9 <b>m</b> /49  | 17°23          | 22°11          | 2° 8           | 23°49         | 29°26           | 9°57           | 28°36          | 16°38  | 21°16  | 21° 4          | 29°25           | 10°52          | F 17 |
| S 18 | 15 40 46 | 26°33'40         | 23° 2           | 18°14          | 22°24          | 2°41           | 24° 3         | 29°23           | 10° 0          | 28°36          | 16°40  | 21°17  | 21° 1          | 29°31           | 10°56          | S 18 |
| S 19 | 15 44 42 | 27°31'25         | 5 <b>₾</b> 58   | 19° 0          | 22°39          | 3°14           | 24°17         | 29°20           | 10° 2          | 28°37          | 16°41  | 21°17  | 20°57          | 29°38           | 10°59          | S 19 |
| M20  | 15 48 39 | 28°29'09         | 18°38           | 19°41          | 22°56          | 3°47           | 24°31         | 29°16           | 10° 5          | 28°37          | 16°42  | 21°18  | 20°54          | 29°45           | 11° 3          | M20  |
| T 21 | 15 52 35 | 29°26'51         | 1 <b>m</b> 5    | 20°18          | 23°15          | 4°20           | 24°45         | 29°13           | 10° 7          | 28°37          | 16°43  | 21°19  | 20°51          | 29°51           | 11° 7          | T 21 |
| W22  | 15 56 32 | 0∏24'32          | 13°21           | 20°51          | 23°35          | 4°53           | 25° 0         | 29° 9           | 10°10          | 28°38          | 16°44  | 21°19  | 20°48          | 29°58           | 11°11          | W22  |
| T 23 | 16 0 29  | 1°22'11          | 25°28           | 21°19          | 23°58          | 5°27           | 25°14         | 29° 6           | 10°12          | 28°38          | 16°45  | 21°R19 | 20°45          | 0 පි 5          | 11°14          | T 23 |
| F 24 | 16 4 25  | 2°19'49          | 7 <b>.₹</b> 27  | 21°42          | 24°22          | 6° 0           | 25°28         | 29° 2           | 10°14          | 28°39          | 16°46  | 21°19  | 20°42          | 0°11            | 11°18          | F 24 |
| S 25 | 16 8 22  | 3°17'26          | 19°21           | 22° 0          | 24°48          | 6°34           | 25°42         | 28°58           | 10°17          | 28°39          | 16°47  | 21°18  | 20°38          | 0°18            | 11°22          | S 25 |
| S 26 | 16 12 18 | 4°15'02          | 1 <b>る</b> 12   | 22°13          | 25°15          | 7° 7           | 25°56         | 28°55           | 10°19          | 28°40          | 16°49  | 21°16  | 20°35          | 0°25            | 11°25          | S 26 |
| M27  | 16 16 15 | 5°12'37          | 13° 2           | 22°22          | 25°44          | 7°41           | 26°10         | 28°51           | 10°21          | 28°40          | 16°50  | 21°14  | 20°32          | 0°31            | 11°29          | M27  |
| T 28 | 16 20 11 | 6°10'11          | 24°54           | 22°R26         | 26°14          | 8°15           | 26°24         | 28°47           | 10°24          | 28°41          | 16°51  | 21°12  | 20°29          | 0°38            | 11°33          | T 28 |
| W29  | 16 24 8  | 7° 7'43          | 6≈50            | 22°26          | 26°46          | 8°48           | 26°38         | 28°43           | 10°26          | 28°41          | 16°52  | 21°10  | 20°26          | 0°45            | 11°36          | W29  |
| T 30 | 16 28 4  | 8° 5'15          | 18°56           | 22°21          | 27°19          | 9°22           | 26°52         | 28°39           | 10°28          | 28°42          | 16°54  | 21° 8  | 20°23          | <u>0</u> °51    | 11°40          | T 30 |
| F 31 | 16 32 1  | 9Ⅱ 2'46          | 1 <b>) (</b> 14 | 22 <b>I</b> I1 | 27 <b>Y</b> 53 | 9 <b>Ω</b> 56  | 27 <b>8</b> 6 | 28 <b>₹</b> 35  | 10 <b>Y</b> 30 | 28 <b>Ω</b> 43 | 16955  | 218 7  | 20819          | 0 <b>궁</b> 58   | 11 <b>8</b> 43 | F 31 |

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| Day  | Sid.t    | 0                 | D                | ğ               | φ              | ♂               | 4              | ħ               | ኊ              | ¥              | Р     | ß      | ಬ     | Ç             | ٧٥             | Day  |
|------|----------|-------------------|------------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|----------------|-------|--------|-------|---------------|----------------|------|
| S 1  | 16 35 58 | 10 <b>II</b> 0'16 | 13 <b>)</b> (48  | 21°R58          | 28 <b>Y</b> 29 | 10 <b>Ω</b> 30  | 27 <b>8</b> 20 | 28°R31          | 10 <b>Y</b> 32 | 28 <b>Ω</b> 43 | 16956 | 21°D 7 | 20816 | 1ਰ 5          | 11 <b>8</b> 47 | S 1  |
| S 2  | 16 39 54 | 10°57'46          | 26°44            | 21 <b>II</b> 41 | 29° 6          | 11° 4           | 27°34          | 28 <b>×</b> 27  | 10°35          | 28°44          | 16°57 | 218 8  | 20°13 | 1°11          | 11°50          | S 2  |
| M 3  | 16 43 51 | 11°55'14          | 10 <b>°</b> 3    | 21°20           | 29°44          | 11°38           | 27°48          | 28°23           | 10°37          | 28°45          | 16°59 | 21° 9  | 20°10 | 1°18          | 11°54          | M 3  |
| T 4  | 16 47 47 | 12°52'42          | 23°48            | 20°55           | 0 <b>8</b> 23  | 12°12           | 28° 2          | 28°19           | 10°39          | 28°46          | 17° 0 | 21°10  | 20° 7 | 1°25          | 11°57          | T 4  |
| W 5  | 16 51 44 | 13°50'10          | 8 <b>8</b> 0     | 20°28           | 1° 4           | 12°47           | 28°16          | 28°14           | 10°41          | 28°46          | 17° 1 | 21°12  | 20° 3 | 1°32          | 12° 1          | W 5  |
| T 6  | 16 55 40 | 14°47'36          | 22°36            | 19°59           | 1°45           | 13°21           | 28°30          | 28°10           | 10°42          | 28°47          | 17° 3 | 21°R12 | 20° 0 | 1°38          | 12° 4          | T 6  |
| F 7  | 16 59 37 | 15°45'02          | 7 <b>Ⅲ</b> 32    | 19°28           | 2°27           | 13°55           | 28°44          | 28° 6           | 10°44          | 28°48          | 17° 4 | 21°11  | 19°57 | 1°45          | 12° 8          | F 7  |
| S 8  | 17 3 33  | 16°42'27          | 22°40            | 18°55           | 3°11           | 14°30           | 28°58          | 28° 2           | 10°46          | 28°49          | 17° 5 | 21° 9  | 19°54 | 1°52          | 12°11          | S 8  |
| S 9  | 17 7 30  | 17°39'52          | 7 <b>9</b> 51    | 18°22           | 3°55           | 15° 4           | 29°12          | 27°57           | 10°48          | 28°50          | 17° 7 | 21° 6  | 19°51 | 1°58          | 12°14          | S 9  |
| M10  | 17 11 27 | 18°37'15          | 22°55            | 17°48           | 4°40           | 15°39           | 29°26          | 27°53           | 10°50          | 28°51          | 17° 8 | 21° 3  | 19°48 | 2° 5          | 12°18          | M10  |
| T 11 | 17 15 23 | 19°34'38          | $7\Omega$ 44     | 17°15           | 5°26           | 16°13           | 29°39          | 27°49           | 10°52          | 28°52          | 17°10 | 20°59  | 19°44 | 2°12          | 12°21          | T 11 |
| W12  | 17 19 20 | 20°31'59          | 22°10            | 16°43           | 6°12           | 16°48           | 29°53          | 27°44           | 10°53          | 28°53          | 17°11 | 20°56  | 19°41 | 2°18          | 12°24          | W12  |
| T 13 | 17 23 16 | 21°29'19          | 6 <b>M</b> p10   | 16°12           | 7° 0           | 17°23           | 0 <b>I</b> 7   | 27°40           | 10°55          | 28°54          | 17°12 | 20°54  | 19°38 | 2°25          | 12°28          | T 13 |
| F 14 | 17 27 13 | 22°26'39          | 19°45            | 15°43           | 7°48           | 17°58           | 0°20           | 27°35           | 10°56          | 28°55          | 17°14 | 20°D53 | 19°35 | 2°32          | 12°31          | F 14 |
| S 15 | 17 31 9  | 23°23'57          | 2 <b>≏</b> 54    | 15°17           | 8°37           | 18°33           | 0°34           | 27°31           | 10°58          | 28°56          | 17°15 | 20°53  | 19°32 | 2°38          | 12°34          | S 15 |
| S 16 | 17 35 6  | 24°21'15          | 15°42            | 14°53           | 9°27           | 19° 7           | 0°47           | 27°27           | 10°59          | 28°57          | 17°17 | 20°54  | 19°29 | 2°45          | 12°37          | S 16 |
| M17  | 17 39 2  | 25°18'31          | 28°11            | 14°33           | 10°17          | 19°42           | 1° 1           | 27°22           | 11° 1          | 28°59          | 17°18 | 20°56  | 19°25 | 2°52          | 12°40          | M17  |
| T 18 | 17 42 59 | 26°15'47          | 10 <b>M</b> 26   | 14°17           | 11°8           | 20°17           | 1°14           | 27°18           | 11° 2          | 29° 0          | 17°20 | 20°57  | 19°22 | 2°58          | 12°43          | T 18 |
| W19  | 17 46 56 | 27°13'02          | 22°30            | 14° 4           | 12° 0          | 20°52           | 1°28           | 27°13           | 11° 4          | 29° 1          | 17°21 | 20°R58 | 19°19 | 3° 5          | 12°46          | W19  |
| T 20 | 17 50 52 | 28°10'17          | 4 <b>₹</b> 27    | 13°56           | 12°52          | 21°28           | 1°41           | 27° 9           | 11° 5          | 29° 2          | 17°23 | 20°57  | 19°16 | 3°12          | 12°49          | T 20 |
| F 21 | 17 54 49 | 29° 7'31          | 16°19            | 13°D52          | 13°45          | 22° 3           | 1°55           | 27° 4           | 11° 6          | 29° 4          | 17°24 | 20°54  | 19°13 | 3°18          | 12°52          | F 21 |
| S 22 | 17 58 45 | 0ණ 4'45           | 28° 9            | 13°53           | 14°38          | 22°38           | 2° 8           | 27° 0           | 11° 7          | 29° 5          | 17°26 | 20°50  | 19° 9 | 3°25          | 12°55          | S 22 |
| S 23 | 18 2 42  | 1° 1'58           | 9 <b>る</b> 59    | 13°58           | 15°32          | 23°13           | 2°21           | 26°56           | 11° 9          | 29° 6          | 17°27 | 20°44  | 19° 6 | 3°32          | 12°58          | S 23 |
| M24  | 18 638   | 1°59'11           | 21°51            | 14° 8           | 16°26          | 23°49           | 2°34           | 26°51           | 11°10          | 29° 8          | 17°29 | 20°36  | 19° 3 | 3°38          | 13° 1          | M24  |
| T 25 | 18 10 35 | 2°56'24           | 3≈47             | 14°23           | 17°21          | 24°24           | 2°48           | 26°47           | 11°11          | 29° 9          | 17°30 | 20°29  | 19° 0 | 3°45          | 13° 4          | T 25 |
| W26  | 18 14 32 | 3°53'36           | 15°49            | 14°43           | 18°17          | 24°59           | 3° 1           | 26°42           | 11°12          | 29°10          | 17°32 | 20°21  | 18°57 | 3°52          | 13° 6          | W26  |
| T 27 | 18 18 28 | 4°50'48           | 27°58            | 15° 7           | 19°13          | 25°35           | 3°14           | 26°38           | 11°13          | 29°12          | 17°33 | 20°15  | 18°54 | 3°59          | 13° 9          | T 27 |
| F 28 | 18 22 25 | 5°48'01           | 10 <b>) (</b> 18 | 15°36           | 20° 9          | 26°11           | 3°27           | 26°34           | 11°14          | 29°13          | 17°35 | 20°10  | 18°50 | 4° 5          | 13°12          | F 28 |
| S 29 | 18 26 21 | 6°45'13           | 22°53            | 16°10           | 21° 6          | 26°46           | 3°40           | 26°29           | 11°15          | 29°15          | 17°36 | 20° 7  | 18°47 | 4°12          | 13°15          | S 29 |
| S 30 | 18 30 18 | 79542'25          | 5 <b>Ƴ</b> 45    | 16 <b>Ⅱ</b> 48  | 22 <b>8</b> 3  | 27 <b>\O</b> 22 | 3Ⅲ53           | 26 <b>×</b> 125 | 11 <b>Y</b> 16 | 29 <b>Ω</b> 16 | 17938 | 20°D 6 | 18844 | 4 <b>る</b> 19 | 13 <b>8</b> 17 | S 30 |

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| Day  | Sid.t    | 0                | D              | ğ              | φ              | ď              | 4              | ħ              | )f(            | ħ              | Р     | u              | Ω              | Ç             | ç              | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------|----------------|----------------|---------------|----------------|------|
| M 1  | 18 34 14 | 8939'38          | 18 <b>Y</b> 57 | 17 <b>Ⅲ</b> 31 | 238 1          | 27 <b>Ω</b> 58 | 4 <b>I</b> I 6 | 26°R21         | 11 <b>Y</b> 16 | 29 <b>Ω</b> 18 | 17939 | 20 <b>8</b> 6  | 18 <b>8</b> 41 | 4 <b>る</b> 25 | 13820          | M 1  |
| T 2  | 18 38 11 | 9°36'51          | 2 <b>8</b> 34  | 18°19          | 23°59          | 28°33          | 4°18           | 26 <b>×</b> 16 | 11°17          | 29°19          | 17°41 | 20° 7          | 18°38          | 4°32          | 13°22          | T 2  |
| W 3  | 18 42 7  | 10°34'04         | 16°37          | 19°11          | 24°57          | 29° 9          | 4°31           | 26°12          | 11°18          | 29°21          | 17°43 | 20°R 8         | 18°35          | 4°39          | 13°25          | W 3  |
| T 4  | 18 46 4  | 11°31'17         | 1 <b>II</b> 5  | 20° 7          | 25°56          | 29°45          | 4°44           | 26° 8          | 11°19          | 29°22          | 17°44 | 20° 8          | 18°31          | 4°45          | 13°27          | T 4  |
| F 5  | 18 50 1  | 12°28'31         | 15°56          | 21° 8          | 26°55          | 0 <b>m</b> 21  | 4°56           | 26° 4          | 11°19          | 29°24          | 17°46 | 20° 6          | 18°28          | 4°52          | 13°30          | F 5  |
| S 6  | 18 53 57 | 13°25'44         | 199 3          | 22°13          | 27°55          | 0°57           | 5° 9           | 26° 0          | 11°20          | 29°26          | 17°47 | 20° 1          | 18°25          | 4°59          | 13°32          | S 6  |
| S 7  | 18 57 54 | 14°22'58         | 16°18          | 23°22          | 28°55          | 1°33           | 5°21           | 25°56          | 11°20          | 29°27          | 17°49 | 19°54          | 18°22          | 5° 5          | 13°34          | S 7  |
| M 8  | 19 1 50  | 15°20'12         | 1 <b>Q</b> 30  | 24°36          | 29°55          | 2° 9           | 5°34           | 25°52          | 11°21          | 29°29          | 17°50 | 19°46          | 18°19          | 5°12          | 13°37          | M 8  |
| T 9  | 19 5 47  | 16°17'26         | 16°29          | 25°54          | 0耳56           | 2°45           | 5°46           | 25°47          | 11°21          | 29°31          | 17°52 | 19°38          | 18°15          | 5°19          | 13°39          | T 9  |
| W10  | 19 9 43  | 17°14'40         | 1 Mp 6         | 27°15          | 1°56           | 3°21           | 5°58           | 25°44          | 11°22          | 29°33          | 17°54 | 19°30          | 18°12          | 5°25          | 13°41          | W10  |
| T 11 | 19 13 40 | 18°11'54         | 15°16          | 28°41          | 2°57           | 3°58           | 6°11           | 25°40          | 11°22          | 29°34          | 17°55 | 19°24          | 18° 9          | 5°32          | 13°43          | T 11 |
| F 12 | 19 17 36 | 19° 9'07         | 28°56          | ०७०१।          | 3°59           | 4°34           | 6°23           | 25°36          | 11°22          | 29°36          | 17°57 | 19°21          | 18° 6          | 5°39          | 13°45          | F 12 |
| S 13 | 19 21 33 | 20° 6'21         | 12 <b>º</b> 8  | 1°45           | 5° 1           | 5°10           | 6°35           | 25°32          | 11°22          | 29°38          | 17°58 | 19°19          | 18° 3          | 5°46          | 13°47          | S 13 |
| S 14 | 19 25 30 | 21° 3'35         | 24°55          | 3°22           | 6° 3           | 5°47           | 6°47           | 25°28          | 11°23          | 29°40          | 18° 0 | 19°D18         | 18° 0          | 5°52          | 13°49          | S 14 |
| M15  | 19 29 26 | 22° 0'48         | 7 <b>M</b> 21  | 5° 3           | 7° 5           | 6°23           | 6°59           | 25°24          | 11°23          | 29°42          | 18° 1 | 19°19          | 17°56          | 5°59          | 13°51          | M15  |
| T 16 | 19 33 23 | 22°58'02         | 19°31          | 6°47           | 8° 7           | 6°59           | 7°11           | 25°21          | 11°23          | 29°43          | 18° 3 | 19°R19         | 17°53          | 6° 6          | 13°53          | T 16 |
| W17  | 19 37 19 | 23°55'16         | 1 <b>~</b> 29  | 8°35           | 9°10           | 7°36           | 7°22           | 25°17          | 11°R23         | 29°45          | 18° 5 | 19°19          | 17°50          | 6°12          | 13°55          | W17  |
| T 18 | 19 41 16 | 24°52'31         | 13°21          | 10°26          | 10°13          | 8°13           | 7°34           | 25°13          | 11°23          | 29°47          | 18° 6 | 19°16          | 17°47          | 6°19          | 13°57          | T 18 |
| F 19 | 19 45 12 | 25°49'45         | 25°11          | 12°19          | 11°16          | 8°49           | 7°46           | 25°10          | 11°23          | 29°49          | 18° 8 | 19°11          | 17°44          | 6°26          | 13°59          | F 19 |
| S 20 | 19 49 9  | 26°47'00         | 7 <b>る</b> 0   | 14°16          | 12°20          | 9°26           | 7°57           | 25° 7          | 11°23          | 29°51          | 18° 9 | 19° 3          | 17°41          | 6°32          | 14° 0          | S 20 |
| S 21 | 19 53 5  | 27°44'15         | 18°53          | 16°15          | 13°24          | 10° 3          | 8° 8           | 25° 3          | 11°23          | 29°53          | 18°11 | 18°53          | 17°37          | 6°39          | 14° 2          | S 21 |
| M22  | 19 57 2  | 28°41'31         | 0≈50           | 18°15          | 14°28          | 10°39          | 8°20           | 25° 0          | 11°22          | 29°55          | 18°12 | 18°41          | 17°34          | 6°46          | 14° 4          | M22  |
| T 23 | 20 0 59  | 29°38'47         | 12°53          | 20°18          | 15°32          | 11°16          | 8°31           | 24°57          | 11°22          | 29°57          | 18°14 | 18°28          | 17°31          | 6°52          | 14° 5          | T 23 |
| W24  | 20 4 55  | 0 <b>Ω</b> 36′04 | 25° 4          | 22°22          | 16°36          | 11°53          | 8°42           | 24°53          | 11°22          | 29°59          | 18°15 | 18°16          | 17°28          | 6°59          | 14° 7          | W24  |
| T 25 | 20 8 52  | 1°33'22          | 7 <b>∺</b> 23  | 24°27          | 17°41          | 12°30          | 8°53           | 24°50          | 11°21          | 0 Mp 1         | 18°17 | 18° 5          | 17°25          | 7° 6          | 14° 8          | T 25 |
| F 26 | 20 12 48 | 2°30'40          | 19°52          | 26°33          | 18°46          | 13° 7          | 9° 4           | 24°47          | 11°21          | 0° 3           | 18°18 | 17°57          | 17°21          | 7°13          | 14° 9          | F 26 |
| S 27 | 20 16 45 | 3°28'00          | 2 <b>Y</b> 33  | 28°40          | 19°51          | 13°44          | 9°15           | 24°44          | 11°21          | 0° 5           | 18°20 | 17°51          | 17°18          | 7°19          | 14°11          | S 27 |
| S 28 | 20 20 41 | 4°25'20          | 15°28          | 0 <b>Ω</b> 46  | 20°56          | 14°21          | 9°26           | 24°41          | 11°20          | 0° 7           | 18°21 | 17°47          | 17°15          | 7°26          | 14°12          | S 28 |
| M29  | 20 24 38 | 5°22'41          | 28°39          | 2°53           | 22° 1          | 14°58          | 9°37           | 24°39          | 11°20          | 0° 9           | 18°23 | 17°46          | 17°12          | 7°33          | 14°13          | M29  |
| T 30 | 20 28 34 | 6°20'03          | 12810          | 4°59           | 23° 7          | 15°35          | 9°47           | 24°36          | 11°19          | 0°11           | 18°25 | 17°46          | 17° 9          | 7°39          | 14°14          | T 30 |
| W31  | 20 32 31 | 7 <b>Ω</b> 17'27 | 26 <b>8</b> 3  | $7\Omega$ 5    | 24 <b>Ⅱ</b> 13 | 16Mp12         | 9 <b>耳</b> 58  | 24 <b>×</b> 33 | 11 <b>Y</b> 18 | 0 <b>m</b> 13  | 18926 | 17 <b>8</b> 46 | 17 <b>8</b> 6  | 7 <b>云</b> 46 | 14 <b>8</b> 16 | W31  |

Delta T = 24.41 sec

AUGUST 1929 00:00 UT

| F 2   2040 24   9°12′18   24°54   11°14   26°25   17°27   10°19   24¾28   11°17   0°17   18°29   17841   16°59   7°59     S 3   2044 21   10° 945   9£48   13°17   27°31   18° 4   10°29   24°26   11°16   0°19   18°30   17°35   16°56   8° 6     S 4   20 48 17   11° 7′13   24°51   15°19   28°38   18°42   10°39   24°23   11°15   0°21   18°32   17°26   16°53   8°13     M 5   20 52 14   12° 442   9£65   17°19   29°44   19°19   10°49   24°21   11°15   0°24   18°33   17°16   16°50   8°19     T 6   20 56 10   13° 2′12   24°51   19°18   0£51   19°57   10°59   24°19   11°14   0°26   18°35   17° 4   16°47   8°26     W 7   21   0   7   13°5943   9½92   21°16   15°88   20°34   11° 8   24°17   11°13   0°28   18°36   16°54   16°43   8°33     T 8   21   4   3   14°57′15   23°41   23°12   3° 5   21°12   11°18   24°15   11°12   0°30   18°38   16°45   16°40   8°40     F 9   21   8   0   15°54′48   7£25   25° 7   4°12   21°50   11°28   24°13   11°11   0°32   18°39   16°39   16°37   8°46     S 10   21 11 57   16°52′22   20°41   27° 0   5°20   22°27   11°37   24°11   11°10   0°34   18°41   16°35   16°34   8°53     S 11   21 15 53   17°495   3 M30   28°52   6°27   23° 5   11°46   24° 9   11° 8   0°36   18°42   16°34   16°31   9° 0     M 12   21 19 50   18°4732   15°57   0 M42   7°35   23°43   11° 5   24° 7   11° 7   0°39   18°43   16°34   16°27   9° 6     T 13   21 23 46   19°45′08   28° 7   2°31   8°43   24°21   12° 4   24° 6   11° 6   0°41   18°45   16°34   16°27   9° 6     T 15   21 31 39   21°40′24   21°57   6° 4   10°59   25°36   12°22   24° 3   11° 4   0°45   18°48   16°30   16°18   9°26     T 15   21 31 39   22°35′343   15°38   9°31   33°16   26°53   12°39   24° 1   11° 1   0°50   18°50   16°16   16°12   9°40     S 18   21 43 29   24°33°25   27°35   11°12   14°24   27°31   12°48   23°59   10°59   0°52   18°55   16°66   16°18   9°26     M 19   21 47 26   25°31′08   9≈39   12°52   15°33   28° 9   12°56   10°53   10°55   10°50   18°55   15°57   15°59   10° 7     T 22   21 51 5   22°26′37   4 16°60   10°40   22°31   22°35   13°1  |     |          | _                |                |               |        |                 |                 |                             |                |               |        |        |               |                |        |      |
|--|-----|----------|------------------|----------------|---------------|--------|-----------------|-----------------|-----------------------------|----------------|---------------|--------|--------|---------------|----------------|--------|------|
| F 2   20 40 24   9°12'18   24°54   11°14   26°25   17°27   10°19   24×728   11°17   10°17   18°29   17841   16°59   7°59   | у   | Sid.t    | 0                | D              | ğ             | ·      | ♂ <sup>™</sup>  | 4               | ħ                           | )Å(            | <del>,</del>  | В      | U      | v             | Ç              | o<br>k | Day  |
| \$\begin{array}{c c c c c c c c c c c c c c c c c c c  | 1 2 | 20 36 28 | 8 <b>Ω</b> 14'52 | 10 <b>Ⅱ</b> 18 | 9Ω10          | 25∐19  | 16 <b>M</b> p50 | 10 <b>I</b> I 8 | 24°R31                      | 11°R18         | 0 <b>m</b> 15 | 189528 | 17°R45 | 17 <b>8</b> 2 | 7 <b>궁</b> 53  | 14817  | T 1  |
| $ \begin{array}{c} 8 & 4 & 204817 & 11^{\circ} & 713 & 24^{\circ} & 51 & 15^{\circ} & 19 & 28^{\circ} & 8 & 18^{\circ} & 42 & 10^{\circ} & 39 & 24^{\circ} & 23 & 11^{\circ} & 15 & 0^{\circ} & 24 & 18^{\circ} & 33 & 17^{\circ} & 16^{\circ} & 50 & 8^{\circ} & 19 \\ T & 6 & 20.56 & 10 & 13^{\circ} & 2^{\circ} & 12^{\circ} & 4^{\circ} & 42^{\circ} & 19^{\circ} & 18^{\circ} & 19^{\circ} & 10^{\circ} & 9 & 24^{\circ} & 11^{\circ} & 15 & 0^{\circ} & 24 & 18^{\circ} & 33 & 17^{\circ} & 16^{\circ} & 50 & 8^{\circ} & 19 \\ T & 6 & 20.56 & 10 & 13^{\circ} & 2^{\circ} & 12 & 24^{\circ} & 51 & 19^{\circ} & 18 & 005 & 11^{\circ} & 10^{\circ} & 9 & 24^{\circ} & 11^{\circ} & 14 & 0^{\circ} & 06 & 18^{\circ} & 35 & 17^{\circ} & 4 & 16^{\circ} & 47 & 8^{\circ} & 26 & 17^{\circ} & 10^{\circ} & $ | 2 2 | 20 40 24 | 9°12'18          | 24°54          | 11°14         | 26°25  | 17°27           | 10°19           | 24 <b>×</b> <sup>7</sup> 28 | 11 <b>Y</b> 17 | 0°17          | 18°29  | 17841  | 16°59         | 7°59           | 14°18  | F 2  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 3 2 | 20 44 21 | 10° 9'45         | 99548          | 13°17         | 27°31  | 18° 4           | 10°29           | 24°26                       | 11°16          | 0°19          | 18°30  | 17°35  | 16°56         | 8° 6           | 14°19  | S 3  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 4 2 | 20 48 17 | 11° 7'13         | 24°51          | 15°19         | 28°38  | 18°42           | 10°39           | 24°23                       | 11°15          | 0°21          | 18°32  | 17°26  | 16°53         | 8°13           | 14°20  | S 4  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 5 2 | 20 52 14 | 12° 4'42         | $9\Omega56$    | 17°19         | 29°44  | 19°19           | 10°49           | 24°21                       | 11°15          | 0°24          | 18°33  | 17°16  | 16°50         | 8°19           | 14°20  | M 5  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 6 2 | 20 56 10 | 13° 2'12         | 24°51          | 19°18         | 0951   | 19°57           | 10°59           | 24°19                       | 11°14          | 0°26          | 18°35  | 17° 4  | 16°47         | 8°26           | 14°21  | T 6  |
| F 9 21 8 0 15°54'48 7  | 7 2 | 21 0 7   | 13°59'43         | 9 <b>m</b> p29 | 21°16         | 1°58   | 20°34           | 11°8            | 24°17                       | 11°13          | 0°28          | 18°36  | 16°54  | 16°43         | 8°33           | 14°22  | W 7  |
| S   10   21   11   57   16°52′22   20°41   27° 0   5°20   22°27   11°37   24°11   11°10   0°34   18°41   16°35   16°34   8°53     S   11   21   15   53   17°49′56   3 m.30   28°52   6°27   23° 5   11°46   24° 9   11° 8   0°36   18°42   16°34   16°31   9° 0     M12   21   19   50   18°47′32   15°57   0 m/42   7°35   23°43   11°55   24° 7   11° 7   0°39   18°43   16°34   16°27   9° 6     T   13   21   23   46   19°45′08   28° 7   2°31   8°43   24°21   12° 4   24° 6   11° 6   0°41   18°45   16°34   16°24   9°13     W14   21   27   43   20°42′45   10×7   6   4°18   9°51   24°59   12°13   24° 4   11° 5   0°43   18°46   16°33   16°21   9°20     T   15   21   31   39   21°40′24   21°57   6° 4   10°59   25°36   12°22   24° 3   11° 4   0°45   18°48   16°30   16°18   9°26     F   16   21   35   36   22°38′03   3\overline{\   | 8 2 | 21 4 3   | 14°57'15         | 23°41          | 23°12         | 3° 5   | 21°12           | 11°18           | 24°15                       | 11°12          | 0°30          | 18°38  | 16°45  | 16°40         | 8°40           | 14°23  | T 8  |
| S   1  | 9 2 | 21 8 0   | 15°54'48         | 7 <b>≏</b> 25  | 25° 7         | 4°12   | 21°50           | 11°28           | 24°13                       | 11°11          | 0°32          | 18°39  | 16°39  | 16°37         | 8°46           | 14°23  | F 9  |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$   | 0 2 | 21 11 57 | 16°52'22         | 20°41          | 27° 0         | 5°20   | 22°27           | 11°37           | 24°11                       | 11°10          | 0°34          | 18°41  | 16°35  | 16°34         | 8°53           | 14°24  | S 10 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 1 2 | 21 15 53 | 17°49'56         | 3 <b>M</b> .30 | 28°52         | 6°27   | 23° 5           | 11°46           | 24° 9                       | 11° 8          | 0°36          | 18°42  | 16°34  | 16°31         | / 0            | 14°24  | S 11 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 2 2 | 21 19 50 | 18°47'32         | 15°57          | 0 <b>m</b> 42 | 7°35   | 23°43           | 11°55           | 24° 7                       | 11° 7          | 0°39          | 18°43  | 16°34  | 16°27         | 9° 6           | 14°25  | M12  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 3 2 | 21 23 46 | 19°45'08         |                | 2°31          | 8°43   | 24°21           | 12° 4           | 24° 6                       |                | 0°41          | 18°45  | 16°34  | 16°24         |                | 14°25  | T 13 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   | 4 2 | 21 27 43 | 20°42'45         | 10 <b>×</b> 6  |               | 9°51   | 24°59           | 12°13           | 24° 4                       | 11° 5          | 0°43          | 18°46  | 16°33  | 16°21         |                | 14°25  | W14  |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   | -   | 21 31 39 |                  |                | 6° 4          |        |                 |                 | 24° 3                       |                | 0°45          | 18°48  | 16°30  | 16°18         |                | 14°26  | T 15 |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$  | 6 2 | 21 35 36 | 22°38'03         | 3 <b>ප</b> 46  | 7°48          | 12° 7  | 26°14           | 12°31           | 24° 2                       | 11° 2          | 0°47          | 18°49  | 16°24  | 16°15         | 9°33           | 14°26  | F 16 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | 7 2 | 21 39 32 | 23°35'43         | 15°38          | 9°31          | 13°16  | 26°53           | 12°39           | 24° 1                       | 11° 1          | 0°50          | 18°50  | 16°16  | 16°12         | 9°40           | 14°26  | S 17 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   | -   |          |                  |                |               |        |                 |                 |                             |                |               |        |        |               |                | 14°26  | S 18 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   | 9 2 | 21 47 26 | 25°31'08         | 9≈39           | 12°52         | 15°33  | 28° 9           | 12°56           | 23°58                       | 10°58          | 0°54          | 18°53  | 15°53  | 16° 5         | 9°53           | 14°R26 | M19  |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   | 0 2 | 21 51 22 | 26°28'52         |                |               |        | 28°47           | 13° 4           | 23°58                       | 10°56          | 0°56          | 18°54  | 15°40  | 16° 2         |                | 14°26  | T 20 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |     | 21 55 19 | 27°26'37         | 4 <b>∺</b> 16  |               |        | 29°25           |                 |                             |                |               |        |        | 15°59         | 10° 7          | 14°26  | W21  |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$  |     | 21 59 15 | -                |                | -,            |        | 0 <b>호</b> 3    |                 |                             |                |               |        |        |               |                | 14°26  | T 22 |
| S 25     22 11 5     1°17'54     25°38     22°23     22°28     1°59     13°43     23°54     10°48     1° 7     19° 0     14°56     15°46     10°33       M26     22 15 1     2°15'47     8\u200357     23°53     23°37     2°37     13°50     23°54     10°47     1°10     19° 2     14°D55     15°43     10°40       T 27     22 18 58     3°13'42     22°31     25°21     24°47     3°16     13°57     23°54     10°45     1°12     19° 3     14°55     15°40     10°47       W28     22 22 55     4°11'39     6\u00dcut 20     26°49     25°57     3°54     14° 4     23°54     10°43     1°14     19° 4     14°R55     15°37     10°53   |     | -        | -                |                |               |        |                 |                 |                             |                |               |        |        |               |                | 14°26  | F 23 |
| M26     22 15 1     2°15'47     8857     23°53     23°37     2°37     13°50     23°54     10°47     1°10     19° 2     14°D55     15°43     10°40       T 27     22 18 58     3°13'42     22°31     25°21     24°47     3°16     13°57     23°54     10°45     1°12     19° 3     14°55     15°40     10°47       W28     22 22 55     4°11'39     6 <b>H</b> 20     26°49     25°57     3°54     14° 4     23°54     10°43     1°14     19° 4     14°R55     15°37     10°53  | 4 2 | 22 7 8   | 0 m/20'02        | 12 <b>Y</b> 30 | 20°51         | 21°18  | 1°20            | 13°35           | 23°55                       | 10°50          | 1° 5          | 18°59  | 15° 0  | 15°49         | 10°27          | 14°26  | S 24 |
|  |     | -        | 1°17'54          |                |               | -      |                 |                 |                             |                | - /           |        | 14°56  | 15°46         |                | 14°25  | S 25 |
| W28 22 22 55 4°11'39 6 <b>II</b> 20 26°49 25°57 3°54 14° 4 23°54 10°43 1°14 19° 4 14°R55 15°37 10°53   | -   | 22 15 1  | 2°15'47          |                |               | 23°37  | 2°37            |                 | 23°54                       | 10°47          |               | -      |        | 15°43         | 10°40          | 14°25  | M26  |
|  | 7 2 | 22 18 58 | 3°13'42          |                |               | 24°47  |                 |                 | 23°54                       |                | 1°12          |        | 14°55  | 15°40         | 10°47          | 14°24  | T 27 |
| T 29   22 26 51   5° 9'38   20°26   28°15   27° 7   4°33   14°11   23°D54   10°41   1°16   19° 5   14°54   15°33   11° 0   | -   | 22 22 55 | 4°11'39          |                |               |        | 3°54            | 14° 4           | 23°54                       | 10°43          |               | -      | 14°R55 |               |                | 14°24  | W28  |
|  |     |          | 5° 9'38          | 20°26          | 28°15         |        | 4°33            | 14°11           | 23°D54                      | 10°41          | 1°16          | 19° 5  | 14°54  | 15°33         | 11° 0          | 14°23  | T 29 |
|  |     |          | 0 , 5 ,          | -              |               |        |                 |                 |                             |                |               |        |        |               |                | 14°23  | F 30 |
| S 31   22 34 44   7mp 5'42   19©20   1♀2   29©27   5♀50   14∏25   23♂54   10℃38   1mp21   19© 7   14⊌46   15⊌27   11♂14   1  | 1 2 | 22 34 44 | 7 mg 5'42        | 199520         | 1 <b>♀</b> 2  | 299527 | 5 <b>≙</b> 50   | 14Ⅲ25           | 23 <b>х</b> 54              | 10 <b>Y</b> 38 | 1 <b>m</b> 21 | 1995 7 | 14846  | 15827         | 11 <b>궁</b> 14 | 14822  | S 31 |

Delta T = 24.41 sec

SEPTEMBER 1929 00:00 UT

| Day  | Sid.t    | 0                | D              | Ϋ́             | φ             | ð              | 4              | ħ              | )Å(            | 卉             | Р      | ß      | v     | Ç              | , k            | Day  |
|------|----------|------------------|----------------|----------------|---------------|----------------|----------------|----------------|----------------|---------------|--------|--------|-------|----------------|----------------|------|
| S 1  | 22 38 41 | 8 m) 3'47        | 4 <b>Ω</b> 1   | 2 <b>≏</b> 24  | 0 <b>Ω</b> 37 | 6 <b>₽</b> 29  | 14 <b>Ⅲ</b> 31 | 23 <b>х</b> 54 | 10°R36         | 1 <b>m</b> 23 | 1995 9 | 14°R38 | 15824 | 11 <b>る</b> 20 | 14°R22         | S 1  |
| M 2  | 22 42 37 | 9° 1'53          | 18°45          | 3°44           | 1°47          | 7° 8           | 14°37          | 23°54          | 10 <b>Υ</b> 34 | 1°25          | 19°10  | 14829  | 15°21 | 11°27          | 14821          | M 2  |
| T 3  | 22 46 34 | 10° 0'01         | 3 <b>m</b> 22  | 5° 2           | 2°58          | 7°47           | 14°43          | 23°55          | 10°32          | 1°27          | 19°11  | 14°19  | 15°18 | 11°34          | 14°20          | T 3  |
| W 4  | 22 50 30 | 10°58'11         | 17°46          | 6°19           | 4° 8          | 8°26           | 14°49          | 23°55          | 10°30          | 1°30          | 19°12  | 14° 9  | 15°14 | 11°40          | 14°19          | W 4  |
| T 5  | 22 54 27 | 11°56'23         | 1 <b>≏</b> 50  | 7°34           | 5°19          | 9° 5           | 14°55          | 23°56          | 10°28          | 1°32          | 19°13  | 14° 1  | 15°11 | 11°47          | 14°18          | T 5  |
| F 6  | 22 58 24 | 12°54'36         | 15°29          | 8°47           | 6°30          | 9°44           | 15° 1          | 23°57          | 10°26          | 1°34          | 19°14  | 13°56  | 15° 8 | 11°54          | 14°17          | F 6  |
| S 7  | 23 2 20  | 13°52'50         | 28°44          | 9°58           | 7°40          | 10°23          | 15° 6          | 23°57          | 10°24          | 1°36          | 19°15  | 13°52  | 15° 5 | 12° 0          | 14°16          | S 7  |
| S 8  | 23 6 17  | 14°51'07         | 11 <b>M</b> 34 | 11°8           | 8°51          | 11° 2          | 15°11          | 23°58          | 10°22          | 1°38          | 19°16  | 13°D51 | 15° 2 | 12° 7          | 14°15          | S 8  |
| M 9  | 23 10 13 | 15°49'25         | 24° 3          | 12°16          | 10° 2         | 11°41          | 15°16          | 23°59          | 10°20          | 1°41          | 19°17  | 13°51  | 14°58 | 12°14          | 14°14          | M 9  |
| T 10 | 23 14 10 | 16°47'44         | 6 <b>₹</b> 15  | 13°21          | 11°14         | 12°20          | 15°21          | 24° 1          | 10°17          | 1°43          | 19°18  | 13°52  | 14°55 | 12°21          | 14°13          | T 10 |
| W11  | 23 18 6  | 17°46'05         | 1 <u>8</u> °15 | 14°24          | 12°25         | 13° 0          | 15°26          | 24° 2          | 10°15          | 1°45          | 19°19  | 13°R53 | 14°52 | 12°27          | 14°11          | W11  |
| T 12 | 23 22 3  | 18°44'28         | 8 중0           | 15°25          | 13°36         | 13°39          | 15°31          | 24° 3          | 10°13          | 1°47          | 19°20  | 13°52  | 14°49 | 12°34          | 14°10          | T 12 |
| F 13 | 23 25 59 | 19°42'52         | 11°59          | 16°23          | 14°47         | 14°18          | 15°35          | 24° 5          | 10°11          | 1°49          | 19°21  | 13°49  | 14°46 | 12°41          | 14° 9          | F 13 |
| S 14 | 23 29 56 | 20°41'18         | 23°52          | 17°19          | 15°59         | 14°58          | 15°39          | 24° 6          | 10° 9          | 1°51          | 19°21  | 13°44  | 14°43 | 12°47          | 14° 7          | S 14 |
| S 15 | 23 33 53 | 21°39'45         | 5≈53           | 18°11          | 17°10         | 15°37          | 15°43          | 24° 8          | 10° 6          | 1°53          | 19°22  | 13°38  | 14°39 | 12°54          | 14° 6          | S 15 |
| M16  | 23 37 49 | 22°38'14         | 18° 4          | 19° 1          | 18°22         | 16°17          | 15°47          | 24° 9          | 10° 4          | 1°56          | 19°23  | 13°29  | 14°36 | 13° 1          | 14° 4          | M16  |
| T 17 | 23 41 46 | 23°36'45         | 0 <b>∺</b> 28  | 19°47          | 19°34         | 16°57          | 15°51          | 24°11          | 10° 2          | 1°58          | 19°24  | 13°20  | 14°33 | 13° 7          | 14° 3          | T 17 |
| W18  | 23 45 42 | 24°35'18         | 13° 5          | 20°29          | 20°46         | 17°36          | 15°54          | 24°13          | 10° 0          | 2° 0          | 19°25  | 13°11  | 14°30 | 13°14          | 14° 1          | W18  |
| T 19 | 23 49 39 | 25°33'52         | 25°56          | 21° 8          | 21°58         | 18°16          | 15°58          | 24°15          | 9°57           | 2° 2          | 19°25  | 13° 3  | 14°27 | 13°21          | 13°59          | T 19 |
| F 20 | 23 53 35 | 26°32'28         | 9 <b>Υ</b> 1   | 21°43          | 23°10         | 18°56          | 16° 1          | 24°17          | 9°55           | 2° 4          | 19°26  | 12°57  | 14°24 | 13°28          | 13°58          | F 20 |
| S 21 | 23 57 32 | 27°31'07         | 22°18          | 22°13          | 24°22         | 19°35          | 16° 4          | 24°19          | 9°53           | 2° 6          | 19°27  | 12°53  | 14°20 | 13°34          | 13°56          | S 21 |
| S 22 | 0 1 28   | 28°29'47         | 5 <b>8</b> 47  | 22°38          | 25°34         | 20°15          | 16° 6          | 24°21          | 9°50           | 2° 8          | 19°28  | 12°51  | 14°17 | 13°41          | 13°54          | S 22 |
| M23  | 0 5 25   | 29°28'30         | 19°25          | 22°57          | 26°46         | 20°55          | 16° 9          | 24°24          | 9°48           | 2°10          | 19°28  | 12°D51 | 14°14 | 13°48          | 13°52          | M23  |
| T 24 | 0 9 22   | 0 <b>≗</b> 27'15 | 3 <b>Ⅱ</b> 14  | 23°12          | 27°59         | 21°35          | 16°11          | 24°26          | 9°45           | 2°12          | 19°29  | 12°52  | 14°11 | 13°54          | 13°50          | T 24 |
| W25  | 0 13 18  | 1°26'02          | 17°11          | 23°20          | 29°11         | 22°15          | 16°13          | 24°29          | 9°43           | 2°14          | 19°30  | 12°53  | 14° 8 | 14° 1          | 13°48          | W25  |
| T 26 | 0 17 15  | 2°24'52          | 19915          | 23°R22         | 0 <b>m</b> 24 | 22°55          | 16°15          | 24°31          | 9°41           | 2°16          | 19°30  | 12°R54 | 14° 4 | 14° 8          | 13°46          | T 26 |
| F 27 | 0 21 11  | 3°23'44          | 15°27          | 23°16          | 1°36          | 23°35          | 16°17          | 24°34          | 9°38           | 2°18          | 19°31  | 12°53  | 14° 1 | 14°14          | 13°44          | F 27 |
| S 28 | 0 25 8   | 4°22'38          | 29°43          | 23° 4          | 2°49          | 24°16          | 16°19          | 24°37          | 9°36           | 2°20          | 19°31  | 12°51  | 13°58 | 14°21          | 13°42          | S 28 |
| S 29 | 0 29 4   | 5°21'34          | 14 <b>Ω</b> 2  | 22°45          | 4° 2          | 24°56          | 16°20          | 24°40          | 9°33           | 2°22          | 19°32  | 12°47  | 13°55 | 1 <u>4</u> °28 | 13°40          | S 29 |
| M30  | 0 33 1   | 6 <b>₽</b> 20'33 | 28 <b>Ω</b> 18 | 22 <b>≏</b> 18 | 5 <b>M</b> 14 | 25 <b>≏</b> 36 | 16Ⅱ21          | 24 <b>×</b> 43 | 9 <b>Ƴ</b> 31  | 2 Mg 24       | 19932  | 12842  | 13852 | 14 <b>궁</b> 35 | 13 <b>8</b> 38 | M30  |

Delta T = 24.41 sec

OCTOBER 1929 00:00 UT

| Day  | Sid.t   | $\odot$          | D              | φ              | Q              | o <sup>7</sup>  | 4              | ħ               | )Ϋ(           | <del>¥</del>  | 2      | n              | Ω              | ţ              | Š              | Day  |
|------|---------|------------------|----------------|----------------|----------------|-----------------|----------------|-----------------|---------------|---------------|--------|----------------|----------------|----------------|----------------|------|
| T 1  | 0 36 57 | 7 <b>≏</b> 19'34 | 12 <b>m</b> 28 | 21°R43         | 6Mp27          | 26 <b>₽</b> 16  | 16Ⅱ22          | 24 <b>×</b> 146 | 9°R29         | 2 Mp 26       | 19933  | 12°R36         | 13 <b>8</b> 49 | 14 <b>궁</b> 41 | 13°R36         | T 1  |
| W 2  | 0 40 54 | 8°18'37          | 26°27          | 21 <b>♀</b> 1  | 7°40           | 26°57           | 16°23          | 24°49           | 9 <b>Υ</b> 26 | 2°28          | 19°33  | 12 <b>8</b> 31 | 13°45          | 14°48          | 13 <b>8</b> 33 | W 2  |
| T 3  | 0 44 51 | 9°17'42          | 10 <b>≏</b> 11 | 20°11          | 8°53           | 27°37           | 16°24          | 24°52           | 9°24          | 2°29          | 19°34  | 12°27          | 13°42          | 14°55          | 13°31          | T 3  |
| F 4  | 0 48 47 | 10°16'49         | 23°36          | 19°15          | 10° 6          | 28°18           | 16°24          | 24°56           | 9°21          | 2°31          | 19°34  | 12°24          | 13°39          | 15° 1          | 13°29          | F 4  |
| S 5  | 0 52 44 | 11°15'58         | 6 <b>M</b> .41 | 18°14          | 11°19          | 28°58           | 16°R24         | 24°59           | 9°19          | 2°33          | 19°35  | 12°D22         | 13°36          | 15° 8          | 13°26          | S 5  |
| S 6  | 0 56 40 | 12°15'09         | 19°27          | 17° 7          | 12°33          | 29°39           | 16°24          | 25° 3           | 9°16          | 2°35          | 19°35  | 12°22          | 13°33          | 15°15          | 13°24          | S 6  |
| M 7  | 1 0 37  | 13°14'22         | 1 <b>才</b> 54  | 15°58          | 13°46          | 0 <b>M</b> 20   | 16°24          | 25° 6           | 9°14          | 2°37          | 19°35  | 12°23          | 13°29          | 15°22          | 13°22          | M 7  |
| T 8  | 1 4 33  | 14°13'37         | 14° 6          | 14°47          | 14°59          | 1° 0            | 16°24          | 25°10           | 9°12          | 2°39          | 19°36  | 12°25          | 13°26          | 15°28          | 13°19          | T 8  |
| W 9  | 1 8 30  | 15°12'53         | 26° 7          | 13°37          | 16°13          | 1°41            | 16°23          | 25°14           | 9° 9          | 2°40          | 19°36  | 12°27          | 13°23          | 15°35          | 13°17          | W 9  |
| T 10 | 1 12 26 | 16°12'12         | 8ਰ 1           | 12°29          | 17°26          | 2°22            | 16°22          | 25°17           | 9° 7          | 2°42          | 19°36  | 12°28          | 13°20          | 15°42          | 13°14          | T 10 |
| F 11 | 1 16 23 | 17°11'32         | 19°52          | 11°26          | 18°40          | 3° 3            | 16°21          | 25°21           | 9° 4          | 2°44          | 19°37  | 12°R28         | 13°17          | 15°48          | 13°11          | F 11 |
| S 12 | 1 20 20 | 18°10'54         | 1≈47           | 10°29          | 19°53          | 3°44            | 16°20          | 25°25           | 9° 2          | 2°45          | 19°37  | 12°27          | 13°14          | 15°55          | 13° 9          | S 12 |
| S 13 | 1 24 16 | 19°10'18         | 13°49          | 9°39           | 21° 7          | 4°25            | 16°19          | 25°29           | 9° 0          | 2°47          | 19°37  | 12°26          | 13°10          | 16° 2          | 13° 6          | S 13 |
| M14  | 1 28 13 | 20° 9'43         | 26° 3          | 8°59           | 22°21          | 5° 6            | 16°17          | 25°33           | 8°57          | 2°49          | 19°37  | 12°23          | 13° 7          | 16° 8          | 13° 4          | M14  |
| T 15 | 1 32 9  | 21° 9'10         | 8 <b>)</b> (31 | 8°29           | 23°34          | 5°47            | 16°15          | 25°38           | 8°55          | 2°50          | 19°37  | 12°20          | 13° 4          | 16°15          | 13° 1          | T 15 |
| W16  | 1 36 6  | 22° 8'39         | 21°18          | 8°10           | 24°48          | 6°28            | 16°13          | 25°42           | 8°53          | 2°52          | 19°38  | 12°16          | 13° 1          | 16°22          | 12°58          | W16  |
| T 17 | 1 40 2  | 23° 8'10         | <b>4</b> Υ23   | 8°D 2          | 26° 2          | 7° 9            | 16°11          | 25°46           | 8°50          | 2°54          | 19°38  | 12°13          | 12°58          | 16°29          | 12°55          | T 17 |
| F 18 | 1 43 59 | 24° 7'43         | 17°46          | 8° 5           | 27°16          | 7°50            | 16° 8          | 25°51           | 8°48          | 2°55          | 19°38  | 12°11          | 12°55          | 16°35          | 12°53          | F 18 |
| S 19 | 1 47 55 | 25° 7'18         | 1827           | 8°19           | 28°30          | 8°32            | 16° 6          | 25°55           | 8°46          | 2°57          | 19°38  | 12°10          | 12°51          | 16°42          | 12°50          | S 19 |
| S 20 | 1 51 52 | 26° 6'55         | 15°22          | 8°44           | 29°44          | 9°13            | 16° 3          | 26° 0           | 8°43          | 2°58          | 19°38  | 12°D10         | 12°48          | 16°49          | 12°47          | S 20 |
| M21  | 1 55 48 | 27° 6'34         | 29°28          | 9°17           | 0 <b>ჲ</b> 58  | 9°54            | 16° 0          | 26° 5           | 8°41          | 3° 0          | 19°R38 | 12°10          | 12°45          | 16°55          | 12°44          | M21  |
| T 22 | 1 59 45 | 28° 6'16         | 13 <b>Ⅱ</b> 41 | 10° 0          | 2°12           | 10°36           | 15°57          | 26° 9           | 8°39          | 3° 1          | 19°38  | 12°11          | 12°42          | 17° 2          | 12°41          | T 22 |
| W23  | 2 3 42  | 29° 5'59         | 27°58          | 10°51          | 3°26           | 11°17           | 15°53          | 26°14           | 8°37          | 3° 2          | 19°38  | 12°13          | 12°39          | 17° 9          | 12°38          | W23  |
| T 24 | 2 7 38  | OM 5'45          | 129516         | 11°49          | 4°41           | 11°59           | 15°50          | 26°19           | 8°34          | 3° 4          | 19°38  | 12°13          | 12°35          | 17°16          | 12°36          | T 24 |
| F 25 | 2 11 35 | 1° 5'33          | 26°30          | 12°54          | 5°55           | 12°41           | 15°46          | 26°24           | 8°32          | 3° 5          | 19°38  | 12°R14         | 12°32          | 17°22          | 12°33          | F 25 |
| S 26 | 2 15 31 | 2° 5'24          | 10 <b>Ω</b> 39 | 14° 4          | 7° 9           | 13°22           | 15°42          | 26°29           | 8°30          | 3° 7          | 19°38  | 12°14          | 12°29          | 17°29          | 12°30          | S 26 |
| S 27 | 2 19 28 | 3° 5'16          | 24°42          | 15°20          | 8°23           | 14° 4           | 15°38          | 26°34           | 8°28          | 3° 8          | 19°37  | 12°13          | 12°26          | 17°36          | 12°27          | S 27 |
| M28  | 2 23 24 | 4° 5'11          | 8 <b>m</b> 35  | 16°39          | 9°38           | 14°46           | 15°34          | 26°39           | 8°26          | 3° 9          | 19°37  | 12°12          | 12°23          | 17°42          | 12°24          | M28  |
| T 29 | 2 27 21 | 5° 5'08          | 22°17          | 18° 2          | 10°52          | 15°28           | 15°29          | 26°44           | 8°24          | 3°10          | 19°37  | 12°11          | 12°20          | 17°49          | 12°21          | T 29 |
| W30  | 2 31 17 | 6° 5'07          | 5 <u>₽</u> 48  | 19°28          | 12° 7          | 16°10           | 15°24          | 26°50           | 8°22          | 3°12          | 19°37  | 12°11          | 12°16          | 17°56          | 12°18          | W30  |
| T 31 | 2 35 14 | 7 <b>M</b> 5'08  | 19 <b>≙</b> 5  | 20 <b>≏</b> 56 | 13 <b>≏</b> 21 | 16 <b>M</b> .51 | 15 <b>Ⅱ</b> 19 | 26 <b>×</b> 755 | 8 <b>Υ</b> 20 | 3 <b>m</b> 13 | 19937  | 12810          | 12813          | 18 <b>궁</b> 3  | 12 <b>8</b> 15 | T 31 |

Delta T = 24.41 sec

NOVEMBER 1929 00:00 UT

| Day          | Sid.t             | 0                    | D                        | Ϋ́                      | φ              | ð              | 4              | ħ               | )Й(           | 并               | В              | n               | v              | Ç              | ę,             | Day          |
|--------------|-------------------|----------------------|--------------------------|-------------------------|----------------|----------------|----------------|-----------------|---------------|-----------------|----------------|-----------------|----------------|----------------|----------------|--------------|
| F 1          | 2 39 11           | 8M 5'11              | 2M 9                     | 22 <b>≏</b> 27          | 14 <b>≏</b> 36 | 17 <b>M</b> 33 | 15°R14         | 27 <b>×7</b> 0  | 8°R18         | 3 <b>m</b> ) 14 | 19°R36         | 12°R10          | 12810          | 18 <b>궁</b> 9  | 12°R12         | F 1          |
| S 2          | 2 43 7            | 9° 5'16              | 14°57                    | 23°59                   | 15°51          | 18°16          | 15 <b>II</b> 9 | 27° 6           | 8 <b>Υ</b> 16 | 3°15            | 19936          | 12°D10          | 12° 7          | 18°16          | 128 9          | S 2          |
| S 3          | 2 47 4            | 10° 5'23             | 27°32                    | 25°32                   | 17° 5          | 18°58          | 15° 4          | 27°11           | 8°14          | 3°16            | 19°36          | 12810           | 12° 4          | 18°23          | 12° 6          | S 3          |
| M 4          | 2 51 0            | 11° 5'32             | 9 <b>₹</b> 52            | 27° 7                   | 18°20          | 19°40          | 14°58          | 27°17           | 8°12          | 3°17            | 19°35          | 12°10           | 12° 1          | 18°29          | 12° 3          | M 4          |
| T 5          | 2 54 57           | 12° 5'42             | 22° 1                    | 28°42                   | 19°35          | 20°22          | 14°53          | 27°23           | 8°10          | 3°19            | 19°35          | 12°R10          | 11°57          | 18°36          | 12° 0          | T 5          |
| W 6<br>T 7   | 2 58 53<br>3 2 50 | 13° 5'54<br>14° 6'08 | 4 <b>궁</b> 1<br>15°54    | 0 <b>M</b> ₊18<br>1°55  | 20°49<br>22° 4 | 21° 4<br>21°47 | 14°47<br>14°41 | 27°28<br>27°34  | 8° 8<br>8° 6  | 3°20<br>3°21    | 19°35<br>19°34 | 12°10<br>12°10  | 11°54<br>11°51 | 18°43<br>18°49 | 11°57<br>11°54 | W 6<br>T 7   |
| F 8          | 3 6 46            | 15° 6'23             | 27°45                    | 3°31                    | 23°19          | 21°47<br>22°29 | 14°41<br>14°35 | 27°34<br>27°40  | 8° 6<br>8° 4  | 3°22            | 19°34<br>19°34 | 12°10           | 11°48          | 18°56          | 11°54<br>11°51 | F 8          |
| S 9          | 3 10 43           | 16° 6'40             | 27 43<br>9 <b>≈</b> 38   | 5° 8                    | 24°34          | 23°12          | 14°28          | 27°46           | 8° 3          | 3°22            | 19°33          | 12° 9           | 11°45          | 19° 3          | 11°48          | S 9          |
| S 10         | 3 14 40           | 17° 6'58             | 21°39                    | 6°45                    | 25°49          | 23°54          | 14°22          | 27°52           | 8° 1          | 3°23            | 19°33          | 12°D 9          | 11°41          | 19°10          | 11°45          | S 10         |
| M11          | 3 14 40           | 1/° 638<br>18° 7'17  | 3 <b>\(\frac{1}{5}\)</b> | 8°23                    | 25°49<br>27° 3 | 23°34<br>24°37 | 14°22          | 27°57           | 7°59          | 3°23            | 19°33          | 12°10           | 11°41          | 19°16          | 11°43          | M11          |
| T 12         | 3 22 33           | 19° 7'38             | 16°17                    | 10° 0                   | 28°18          | 25°19          | 14° 9          | 28° 3           | 7°58          | 3°25            | 19°32          | 12°10           | 11°35          | 19°23          | 11°39          | T 12         |
| W13          | 3 26 29           | 20° 8'00             | 29° 4                    | 11°37                   | 29°33          | 26° 2          | 14° 2          | 28°10           | 7°56          | 3°26            | 19°31          | 12°11           | 11°32          | 19°30          | 11°36          | W13          |
| T 14         | 3 30 26           | 21° 8'24             | 12 <b>Y</b> 14           | 13°14                   | 0 <b>M</b> .48 | 26°45          | 13°55          | 28°16           | 7°54          | 3°27            | 19°31          | 12°12           | 11°29          | 19°36          | 11°33          | T 14         |
| F 15         | 3 34 22           | 22° 8'49             | 25°47                    | 14°50                   | 2° 3           | 27°27          | 13°48          | 28°22           | 7°53          | 3°27            | 19°30          | 12°12           | 11°26          | 19°43          | 11°30          | F 15         |
| S 16         | 3 38 19           | 23° 9'16             | 9 <b>8</b> 44            | 16°27                   | 3°18           | 28°10          | 13°41          | 28°28           | 7°51          | 3°28            | 19°30          | 12°R13          | 11°22          | 19°50          | 11°27          | S 16         |
| S 17         | 3 42 15           | 24° 9'44             | 24° 2                    | 18° 3                   | 4°33           | 28°53          | 13°33          | 28°34           | 7°50          | 3°29            | 19°29          | 12°13           | 11°19          | 19°57          | 11°25          | S 17         |
| M18          | 3 46 12           | 25°10'14             | 8Д35                     | 19°39                   | 5°48           | 29°36          | 13°26          | 28°40           | 7°48          | 3°29            | 19°28          | 12°12           | 11°16          | 20° 3          | 11°22          | M18          |
| T 19         | 3 50 9            | 26°10'45             | 23°18                    | 21°15                   | 7° 3           | 0 <b>才</b> 19  | 13°19          | 28°47           | 7°47          | 3°30            | 19°28          | 12°10           | 11°13          | 20°10          | 11°19          | T 19         |
| W20          | 3 54 5            | 27°11'19             | 895 4                    | 22°51                   | 8°18           | 1° 2           | 13°11          | 28°53           | 7°46          | 3°31            | 19°27          | 12° 8           | 11°10          | 20°17          | 11°16          | W20          |
| T 21<br>F 22 | 3 58 2<br>4 1 58  | 28°11'54<br>29°12'30 | 22°45<br>7 <b>Ω</b> 15   | 24°27<br>26° 2          | 9°34<br>10°49  | 1°45<br>2°28   | 13° 3<br>12°56 | 29° 0<br>29° 6  | 7°44<br>7°43  | 3°31<br>3°32    | 19°26<br>19°26 | 12° 6<br>12° 5  | 11° 7<br>11° 3 | 20°23<br>20°30 | 11°13<br>11°10 | T 21<br>F 22 |
| S 23         | 4 1 58<br>4 5 55  | 0×1230               | 21°30                    | 26°27                   | 10 49<br>12° 4 | 3°11           | 12°48          | 29°12           | 7°42          | 3°32            | 19°25          | 12° 4           | 11° 0          | 20°37          | 11 10<br>11° 7 | S 23         |
|              |                   |                      |                          |                         |                |                |                |                 |               |                 |                |                 |                |                |                |              |
| S 24<br>M25  | 4 9 51<br>4 13 48 | 1°13'48<br>2°14'30   | 5 <b>m</b> 29<br>19°10   | 29°12<br>0 <b>×7</b> 47 | 13°19<br>14°34 | 3°54<br>4°38   | 12°40<br>12°32 | 29°19<br>29°26  | 7°41<br>7°40  | 3°33<br>3°33    | 19°24<br>19°23 | 12°D 4<br>12° 4 | 10°57<br>10°54 | 20°44<br>20°50 | 11° 5<br>11° 2 | S 24<br>M25  |
| T 26         | 4 13 48 4 17 45   | 3°15'13              | 2 <u>0</u> 33            | 2°22                    | 14°34<br>15°49 | 5°21           | 12°32<br>12°24 | 29°26<br>29°32  | 7°40<br>7°39  | 3°33            | 19°23<br>19°22 | 12° 4           | 10°54<br>10°51 | 20°50<br>20°57 | 11° 2<br>10°59 | T 26         |
| W27          | 4 21 41           | 4°15'58              | 15°41                    | 3°56                    | 17° 5          | 6° 5           | 12°16          | 29°39           | 7°38          | 3°34            | 19°22          | 12° 7           | 10°47          | 20° 37         | 10°57          | W27          |
| T 28         | 4 25 38           | 5°16'44              | 28°35                    | 5°31                    | 18°20          | 6°48           | 12° 8          | 29°45           | 7°37          | 3°34            | 19°21          | 12° 9           | 10°44          | 21°10          | 10°54          | T 28         |
| F 29         | 4 29 34           | 6°17'32              | 11 <b>M</b> .16          | 7° 5                    | 19°35          | 7°31           | 12° 0          | 29°52           | 7°36          | 3°34            | 19°20          | 12°R 9          | 10°41          | 21°17          | 10°51          | F 29         |
| S 30         | 4 33 31           | 7 <b>∡</b> 18′21     | 23 <b>M</b> 45           | 8 <b>₮</b> 39           | 20 <b>M</b> 50 | 8 <b>∡</b> 15  | 11 <b>Ⅱ</b> 52 | 29 <b>×</b> 759 | 7 <b>Ƴ</b> 35 | 3 <b>m</b> 34   | 199519         | 128 9           | 10 <b>8</b> 38 | 21 <b>る</b> 24 | 10 <b>8</b> 49 | S 30         |

Delta T = 24.41 sec

DECEMBER 1929 00:00 UT

| Day          | Sid.t              | $\odot$                      | D                      | φ                      | ·              | ď                 | 4               | ħ             | )Å(           | ¥             | P 2            | n               | Ω              | ţ              | δ              | Day          |
|--------------|--------------------|------------------------------|------------------------|------------------------|----------------|-------------------|-----------------|---------------|---------------|---------------|----------------|-----------------|----------------|----------------|----------------|--------------|
| S 1          | 4 37 27            | 8 <b>√</b> 19'11             | 6 <b>√</b> 4           | 10 <b>×</b> 13         | 22 <b>M</b> 6  | 8 <b>₹</b> 159    | 11°R44          | 0 පි 6        | 7°R34         | 3 <b>m</b> 35 | 19°R18         | 12°R 7          | 10 <b>8</b> 35 | 21 <b>궁</b> 31 | 10°R46         | S 1          |
| M 2          | 4 41 24            | 9°20'03                      | 18°15                  | 11°48                  | 23°21          | 9°42              | 11 <b>II</b> 35 | 0°12          | 7 <b>Ƴ</b> 33 | 3°35          | 199517         | 128 3           | 10°32          | 21°37          | 10843          | M 2          |
| T 3          | 4 45 20            | 10°20'56                     | 0 <b>궁</b> 17          | 13°22                  | 24°36          | 10°26             | 11°27           | 0°19          | 7°32          | 3°35          | 19°16          | 11°59           | 10°28          | 21°44          | 10°41          | T 3          |
| W 4          | 4 49 17            | 11°21'49                     | 12°14                  | 14°56                  | 25°52          | 11°10             | 11°19           | 0°26          | 7°32          | 3°35          | 19°15          | 11°53           | 10°25          | 21°51          | 10°38          | W 4          |
| T 5          | 4 53 14            | 12°22'44                     | 24° 6                  | 16°30                  | 27° 7          | 11°54             | 11°11           | 0°33          | 7°31          | 3°35          | 19°14          | 11°48           | 10°22          | 21°58          | 10°36          | T 5          |
| F 6          | 4 57 10            | 13°23'40                     | 5 <b>≈</b> 57          | 18° 4                  | 28°22          | 12°38             | 11° 3           | 0°40          | 7°30          | 3°R35         | 19°13          | 11°42           | 10°19          | 22° 4          | 10°34          | F 6          |
| S 7          | 5 1 7              | 14°24'36                     | 17°49                  | 19°38                  | 29°38          | 13°21             | 10°55           | 0°47          | 7°30          | 3°35          | 19°12          | 11°38           | 10°16          | 22°11          | 10°31          | S 7          |
| S 8          | 5 5 3              | 15°25'33                     | 29°46                  | 21°12                  | 0 <b>≯</b> 53  | 14° 5             | 10°46           | 0°53          | 7°29          | 3°35          | 19°11          | 11°35           | 10°13          | 22°18          | 10°29          | S 8          |
| M 9          | 5 9 0              | 16°26'31                     | 11 <b>米</b> 54         | 22°46                  | 2° 9           | 14°49             | 10°38           | 1° 0          | 7°29          | 3°35          | 19°10          | 11°D34          | 10° 9          | 22°24          | 10°27          | M 9          |
| T 10         | 5 12 56            | 17°27'29                     | 24°15                  | 24°20                  | 3°24           | 15°33             | 10°30           | 1° 7          | 7°29          | 3°35          | 19° 9          | 11°34           | 10° 6          | 22°31          | 10°24          | T 10         |
| W11          | 5 16 53            | 18°28'28                     | 6 <b>Υ</b> 56          | 25°54                  | 4°39           | 16°18             | 10°22           | 1°14          | 7°28          | 3°35          | 19° 8          | 11°35           | 10° 3          | 22°38          | 10°22          | W11          |
| T 12         | 5 20 49            | 19°29'27                     | 20° 0                  | 27°28<br>29°2          | 5°55           | 17° 2             | 10°14           | 1°21          | 7°28<br>7°28  | 3°35          | 19° 7          | 11°37           | 10° 0          | 22°45          | 10°20<br>10°18 | T 12<br>F 13 |
| F 13<br>S 14 | 5 24 46<br>5 28 43 | 20°30'27<br>21°31'28         | 3 <b>8</b> 31<br>17°30 | 29° 2<br>0 <b>궁</b> 37 | 7°10<br>8°26   | 17°46<br>18°30    | 10° 6<br>9°58   | 1°28<br>1°35  | 7°28<br>7°27  | 3°34<br>3°34  | 19° 6<br>19° 5 | 11°38<br>11°R38 | 9°57<br>9°53   | 22°51<br>22°58 | 10°18          | S 14         |
|              |                    |                              |                        |                        |                |                   |                 |               |               |               |                |                 |                |                |                |              |
| S 15         | 5 32 39            | 22°32'29                     | 1 <b>Ⅱ</b> 57          | 2°11                   | 9°41           | 19°15             | 9°51            | 1°42          | 7°27          | 3°34          | 19° 4          | 11°36           | 9°50           | 23° 5          | 10°14          | S 15         |
| M16          | 5 36 36            | 23°33'31                     | 16°46                  | 3°45                   | 10°56          | 19°59             | 9°43            | 1°49          | 7°27          | 3°34          | 19° 3          | 11°33           | 9°47           | 23°11          | 10°12          | M16          |
| T 17<br>W18  | 5 40 32<br>5 44 29 | 24°34'33<br>25°35'37         | 1 <b>9</b> 51<br>17° 2 | 5°19<br>6°54           | 12°12<br>13°27 | 20°43<br>21°28    | 9°35<br>9°28    | 1°56<br>2° 3  | 7°D27<br>7°27 | 3°33<br>3°33  | 19° 2<br>19° 0 | 11°27<br>11°20  | 9°44<br>9°41   | 23°18<br>23°25 | 10°10<br>10° 8 | T 17<br>W18  |
| T 19         | 5 44 29            | 26°36'41                     | $2\Omega$ 9            | 8°28                   | 13°27<br>14°43 | 21°28<br>22°12    | 9°28<br>9°20    | 2°11          | 7°27          | 3°32          | 19° 0<br>18°59 | 11°20           | 9°41<br>9°38   | 23°32          | 10° 8          | T 19         |
| F 20         | 5 52 22            | 20°30'41'<br>27°37'45        | 17° 2                  | 10° 2                  | 15°58          | 22°57             | 9°13            | 2°18          | 7°27          | 3°32          | 18°58          | 11° 7           | 9°34           | 23°38          | 10° 4          | F 20         |
| S 21         | 5 56 18            | 28°38'50                     | 1 mp 35                | 11°36                  | 17°14          | 23°41             | 9° 5            | 2°25          | 7°28          | 3°32          | 18°57          | 11° 2           | 9°31           | 23°45          | 10° 3          | S 21         |
|              |                    |                              |                        | 13° 9                  |                |                   | , -             | 2°32          | 7°28          |               |                | 10°59           | 9°28           |                | 10° 1          | S 22         |
| S 22<br>M23  | 6 0 15<br>6 4 12   | 29°39'56<br>0 <b>る</b> 41'03 | 15°43<br>29°25         | 13° 9                  | 18°29<br>19°44 | 24°26<br>25°11    | 8°58<br>8°51    | 2°32<br>2°39  | 7°28          | 3°31<br>3°30  | 18°56<br>18°55 | 10°59<br>10°D58 | 9°28<br>9°25   | 23°52<br>23°58 | 9°59           | M23          |
| T 24         | 6 8 8              | 1°42'11                      | 12 <b>Ω</b> 43         | 16°16                  | 21° 0          | 25°55             | 8°44            | 2°46          | 7°28          | 3°30          | 18°53          | 10°58           | 9°22           | 24° 5          | 9°58           | T 24         |
| W25          | 6 12 5             | 2°43'19                      | 25°39                  | 17°48                  | 22°15          | 26°40             | 8°37            | 2°53          | 7°29          | 3°29          | 18°52          | 10°59           | 9°19           | 24°12          | 9°56           | W25          |
| T 26         | 6 16 1             | 3°44'27                      | 8ML18                  | 19°20                  | 23°31          | 27°25             | 8°30            | 3° 0          | 7°29          | 3°29          | 18°51          | 11°R 0          | 9°15           | 24°19          | 9°55           | T 26         |
| F 27         | 6 19 58            | 4°45'37                      | 20°43                  | 20°51                  | 24°46          | 28°10             | 8°24            | 3° 7          | 7°30          | 3°28          | 18°50          | 11° 0           | 9°12           | 24°25          | 9°53           | F 27         |
| S 28         | 6 23 54            | 5°46'47                      | 2 <b>,</b> 757         | 22°21                  | 26° 2          | 28°55             | 8°17            | 3°14          | 7°30          | 3°27          | 18°48          | 10°57           | 9° 9           | 24°32          | 9°52           | S 28         |
| S 29         | 6 27 51            | 6°47'57                      | 15° 3                  | 23°50                  | 27°17          | 29°40             | 8°11            | 3°21          | 7°31          | 3°27          | 18°47          | 10°52           | 9° 6           | 24°39          | 9°51           | S 29         |
| M30          | 6 31 47            | 7°49'07                      | 27° 3                  | 25°17                  | 28°33          | 0 <b>궁</b> 25     | 8° 5            | 3°29          | 7°31          | 3°26          | 18°46          | 10°44           | 9° 3           | 24°45          | 9°49           | M30          |
| T 31         | 6 35 44            | 8250'18                      | 8 <b>궁</b> 59          | 26 <b>පි</b> 42        | 29 <b>∡</b> 48 | 1 <del>ට</del> 10 | 7 <b>I</b> I59  | 3 <b>ප</b> 36 | 7 <b>Υ</b> 32 | 3 Mp 25       | 189345         | 10833           | 8 <b>8</b> 59  | 24 <b>궁</b> 52 | 9 <b>8</b> 48  | T 31         |

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| Day  | Sid.t   | 0                | D              | Ϋ́             | Ş     | ď              | 4     | ħ             | )Å(           | ¥             | Р      | ß             | ß             | ţ              | ٨٥            | Day  |
|------|---------|------------------|----------------|----------------|-------|----------------|-------|---------------|---------------|---------------|--------|---------------|---------------|----------------|---------------|------|
| W 1  | 6 39 41 | 9 <b>ට</b> 51'29 | 20 <b>궁</b> 52 | 28궁 5          | 1る 4  | 1 <b>る</b> 55  | 7°R53 | 3 <b>ප</b> 43 | 7 <b>Y</b> 33 | 3°R24         | 18°R43 | 10°R21        | 8 <b>8</b> 56 | 24 <b>궁</b> 59 | 9°R47         | W 1  |
| T 2  | 6 43 37 | 10°52'39         | 2≈43           | 29°26          | 2°19  | 2°40           | 7∏47  | 3°50          | 7°34          | 3 <b>m</b> 23 | 189542 | 108 9         | 8°53          | 25° 6          | 9 <b>8</b> 46 | T 2  |
| F 3  | 6 47 34 | 11°53'50         | 14°35          | 0≈43           | 3°35  | 3°25           | 7°42  | 3°57          | 7°34          | 3°22          | 18°41  | 9°57          | 8°50          | 25°12          | 9°45          | F 3  |
| S 4  | 6 51 30 | 12°55'01         | 26°29          | 1°57           | 4°50  | 4°11           | 7°36  | 4° 4          | 7°35          | 3°22          | 18°40  | 9°46          | 8°47          | 25°19          | 9°44          | S 4  |
| S 5  | 6 55 27 | 13°56'11         | 8 <b>∺</b> 27  | 3° 7           | 6° 6  | 4°56           | 7°31  | 4°11          | 7°36          | 3°21          | 18°38  | 9°38          | 8°44          | 25°26          | 9°43          | S 5  |
| M 6  | 6 59 23 | 14°57'21         | 20°34          | 4°11           | 7°21  | 5°41           | 7°26  | 4°18          | 7°37          | 3°20          | 18°37  | 9°32          | 8°40          | 25°33          | 9°42          | M 6  |
| T 7  | 7 3 20  | 15°58'30         | 2 <b>Υ</b> 52  | 5°10           | 8°37  | 6°27           | 7°21  | 4°25          | 7°38          | 3°19          | 18°36  | 9°29          | 8°37          | 25°39          | 9°41          | T 7  |
| W 8  | 7 7 17  | 16°59'39         | 15°26          | 6° 2           | 9°52  | 7°12           | 7°16  | 4°32          | 7°39          | 3°18          | 18°35  | 9°D28         | 8°34          | 25°46          | 9°41          | W 8  |
| T 9  | 7 11 13 | 18° 0'48         | 28°22          | 6°47           | 11°8  | 7°57           | 7°12  | 4°39          | 7°41          | 3°17          | 18°33  | 9°29          | 8°31          | 25°53          | 9°40          | T 9  |
| F 10 | 7 15 10 | 19° 1'56         | 11 <b>8</b> 43 | 7°24           | 12°23 | 8°43           | 7° 7  | 4°46          | 7°42          | 3°15          | 18°32  | 9°R29         | 8°28          | 25°59          | 9°39          | F 10 |
| S 11 | 7 19 6  | 20° 3'03         | 25°32          | 7°51           | 13°38 | 9°28           | 7° 3  | 4°53          | 7°43          | 3°14          | 18°31  | 9°28          | 8°25          | 26° 6          | 9°39          | S 11 |
| S 12 | 7 23 3  | 21° 4'10         | 9 <b>Ⅱ</b> 51  | 8° 8           | 14°54 | 10°14          | 6°59  | 5° 0          | 7°44          | 3°13          | 18°29  | 9°25          | 8°21          | 26°13          | 9°38          | S 12 |
| M13  | 7 26 59 | 22° 5'17         | 24°37          | 8°R15          | 16° 9 | 11° 0          | 6°55  | 5° 7          | 7°46          | 3°12          | 18°28  | 9°19          | 8°18          | 26°20          | 9°38          | M13  |
| T 14 | 7 30 56 | 23° 6'23         | 99546          | 8°10           | 17°25 | 11°45          | 6°52  | 5°14          | 7°47          | 3°11          | 18°27  | 9°10          | 8°15          | 26°26          | 9°37          | T 14 |
| W15  | 7 34 52 | 24° 7'29         | 25° 7          | 7°53           | 18°40 | 12°31          | 6°48  | 5°20          | 7°48          | 3°10          | 18°26  | 8°59          | 8°12          | 26°33          | 9°37          | W15  |
| T 16 | 7 38 49 | 25° 8'33         | 10 <b>Ω</b> 29 | 7°25           | 19°56 | 13°17          | 6°45  | 5°27          | 7°50          | 3° 8          | 18°24  | 8°48          | 8° 9          | 26°40          | 9°37          | T 16 |
| F 17 | 7 42 46 | 26° 9'38         | 25°40          | 6°45           | 21°11 | 14° 2          | 6°42  | 5°34          | 7°51          | 3° 7          | 18°23  | 8°38          | 8° 5          | 26°46          | 9°37          | F 17 |
| S 18 | 7 46 42 | 27°10'42         | 10 <b>m</b> 30 | 5°55           | 22°26 | 14°48          | 6°39  | 5°41          | 7°53          | 3° 6          | 18°22  | 8°29          | 8° 2          | 26°53          | 9°37          | S 18 |
| S 19 | 7 50 39 | 28°11'46         | 24°53          | 4°55           | 23°42 | 15°34          | 6°37  | 5°48          | 7°55          | 3° 5          | 18°21  | 8°23          | 7°59          | 27° 0          | 9°36          | S 19 |
| M20  | 7 54 35 | 29°12'49         | 8 <b>≏</b> 46  | 3°48           | 24°57 | 16°20          | 6°34  | 5°54          | 7°56          | 3° 3          | 18°19  | 8°19          | 7°56          | 27° 7          | 9°D36         | M20  |
| T 21 | 7 58 32 | 0≈13'52          | 22°10          | 2°35           | 26°13 | 17° 6          | 6°32  | 6° 1          | 7°58          | 3° 2          | 18°18  | 8°18          | 7°53          | 27°13          | 9°37          | T 21 |
| W22  | 8 2 28  | 1°14'55          | 5 <b>M</b> 8   | 1°19           | 27°28 | 17°52          | 6°30  | 6° 8          | 8° 0          | 3° 1          | 18°17  | 8°18          | 7°50          | 27°20          | 9°37          | W22  |
| T 23 | 8 6 25  | 2°15'57          | 17°43          | <u>0°</u> 2    | 28°43 | 18°38          | 6°28  | 6°14          | 8° 2          | 2°59          | 18°16  | 8°17          | 7°46          | 27°27          | 9°37          | T 23 |
| F 24 | 8 10 21 | 3°16'59          | 0 <b>∡</b> 7 2 | 28 <b>궁</b> 46 | 29°59 | 19°24          | 6°27  | 6°21          | 8° 3          | 2°58          | 18°14  | 8°16          | 7°43          | 27°34          | 9°37          | F 24 |
| S 25 | 8 14 18 | 4°18'00          | 12° 8          | 27°33          | 1≈14  | 20°10          | 6°25  | 6°28          | 8° 5          | 2°56          | 18°13  | 8°12          | 7°40          | 27°40          | 9°37          | S 25 |
| S 26 | 8 18 15 | 5°19'00          | 24° 6          | 26°26          | 2°30  | 20°56          | 6°24  | 6°34          | 8° 7          | 2°55          | 18°12  | 8° 5          | 7°37          | 27°47          | 9°38          | S 26 |
| M27  | 8 22 11 | 6°20'00          | 6 <b>궁</b> 0   | 25°26          | 3°45  | 21°42          | 6°23  | 6°41          | 8° 9          | 2°54          | 18°11  | 7°55          | 7°34          | 27°54          | 9°38          | M27  |
| T 28 | 8 26 8  | 7°21'00          | 17°51          | 24°33          | 5° 0  | 22°28          | 6°22  | 6°47          | 8°11          | 2°52          | 18° 9  | 7°43          | 7°31          | 28° 0          | 9°39          | T 28 |
| W29  | 8 30 4  | 8°21'58          | 29°43          | 23°49          | 6°16  | 23°14          | 6°22  | 6°53          | 8°13          | 2°51          | 18° 8  | 7°28          | 7°27          | 28° 7          | 9°39          | W29  |
| T 30 | 8 34 1  | 9°22'55          | 11 <b>≈</b> 36 | 2 <u>3</u> °13 | 7°31  | 2 <u>4</u> ° 0 | 6°21  | 7° 0          | 8°15          | 2°49          | 18° 7  | 7°13          | 7°24          | 2 <u>8</u> °14 | 9°40          | T 30 |
| F 31 | 8 37 57 | 10≈23'52         | 23≈31          | 22 <b>중</b> 47 | 8≈47  | 24 <b>궁</b> 47 | 6°D21 | 7 <b>る</b> 6  | 8 <b>Ƴ</b> 18 | 2 Mp 48       | 1895 6 | 6 <b>8</b> 58 | 7 <b>8</b> 21 | 28 <b>궁</b> 21 | 9 <b>8</b> 41 | F 31 |

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|------|----------|--------------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------|--------|---------------|---------------|----------------|----------------|------|
| S 1  | 8 41 54  | 11≈24'47           | 5 <b>)</b> €31 | 22°R28         | 10≈ 2          | 25 <b>ට</b> 33 | 6 <b>Ⅱ</b> 21 | 7 <b>궁</b> 12 | 8 <b>Ƴ</b> 20 | 2°R46   | 18°R 5 | 6°R45         | 7 <b>8</b> 18 | 28 <b>궁</b> 27 | 9 <b>8</b> 41  | S 1  |
| S 2  | 8 45 50  | 12°25'41           | 17°36          | 22 <b>궁</b> 19 | 11°17          | 26°19          | 6°21          | 7°19          | 8°22          | 2 Mp 45 | 1895 4 | 6 <b>8</b> 34 | 7°15          | 28°34          | 9°42           | S 2  |
| M 3  | 8 49 47  | 13°26'34           | 29°48          | 22°D17         | 12°33          | 27° 5          | 6°22          | 7°25          | 8°24          | 2°43    | 18° 2  | 6°26          | 7°11          | 28°41          | 9°43           | M 3  |
| T 4  | 8 53 44  | 14°27'25           | 12 <b>Y</b> 11 | 22°22          | 13°48          | 27°52          | 6°22          | 7°31          | 8°26          | 2°41    | 18° 1  | 6°22          | 7° 8          | 28°47          | 9°44           | T 4  |
| W 5  | 8 57 40  | 15°28'15           | 24°46          | 22°35          | 15° 3          | 28°38          | 6°23          | 7°37          | 8°29          | 2°40    | 18° 0  | 6°20          | 7° 5          | 28°54          | 9°45           | W 5  |
| T 6  | 9 1 37   | 16°29'04           | 7 <b>8</b> 39  | 22°54          | 16°18          | 29°25          | 6°24          | 7°43          | 8°31          | 2°38    | 17°59  | 6°D19         | 7° 2          | 29° 1          | 9°46           | T 6  |
| F 7  | 9 5 33   | 17°29'51           | 20°53          | 23°19          | 17°34          | 0≈11           | 6°25          | 7°49          | 8°34          | 2°37    | 17°58  | 6°R19         | 6°59          | 29° 8          | 9°47           | F 7  |
| S 8  | 9 9 30   | 18°30'37           | 4 <b>Ⅱ</b> 31  | 23°49          | 18°49          | 0°57           | 6°27          | 7°55          | 8°36          | 2°35    | 17°57  | 6°18          | 6°56          | 29°14          | 9°48           | S 8  |
| S 9  | 9 13 26  | 19°31'21           | 18°35          | 24°25          | 20° 4          | 1°44           | 6°29          | 8° 1          | 8°39          | 2°33    | 17°56  | 6°16          | 6°52          | 29°21          | 9°49           | S 9  |
| M10  | 9 17 23  | 20°32'04           | 3 <b>95</b> 6  | 25° 5          | 21°19          | 2°30           | 6°30          | 8° 7          | 8°41          | 2°32    | 17°55  | 6°10          | 6°49          | 29°28          | 9°51           | M10  |
| T 11 | 9 21 19  | 21°32'45           | 18° 0          | 25°49          | 22°35          | 3°17           | 6°33          | 8°13          | 8°44          | 2°30    | 17°54  | 6° 2          | 6°46          | 29°35          | 9°52           | T 11 |
| W12  | 9 25 16  | 22°33'24           | 3 <b>Ω</b> 10  | 26°37          | 23°50          | 4° 3           | 6°35          | 8°19          | 8°46          | 2°29    | 17°53  | 5°52          | 6°43          | 29°41          | 9°53           | W12  |
| T 13 | 9 29 13  | 23°34'02           | 18°27          | 27°29          | 25° 5          | 4°50           | 6°37          | 8°24          | 8°49          | 2°27    | 17°52  | 5°41          | 6°40          | 29°48          | 9°55           | T 13 |
| F 14 | 9 33 9   | 24°34'38           | 3 <b>m</b> 38  | 28°24          | 26°20          | 5°37           | 6°40          | 8°30          | 8°51          | 2°25    | 17°51  | 5°31          | 6°37          | 29°55          | 9°56           | F 14 |
| S 15 | 9 37 6   | 25°35'13           | 18°34          | 29°22          | 27°35          | 6°23           | 6°43          | 8°36          | 8°54          | 2°24    | 17°50  | 5°22          | 6°33          | 0≈ 1           | 9°58           | S 15 |
| S 16 | 9 41 2   | 26°35'47           | 3 <b>₾</b> 5   | 0≈23           | 28°51          | 7°10           | 6°46          | 8°41          | 8°57          | 2°22    | 17°49  | 5°15          | 6°30          | 0° 8           | 9°59           | S 16 |
| M17  | 9 44 59  | 27°36'19           | 17° 9          | 1°26           | 0 <b>米</b> 6   | 7°56           | 6°49          | 8°47          | 9° 0          | 2°20    | 17°48  | 5°12          | 6°27          | 0°15           | 10° 1          | M17  |
| T 18 | 9 48 55  | 28°36'50           | 0 <b>M</b> .42 | 2°32           | 1°21           | 8°43           | 6°52          | 8°52          | 9° 2          | 2°19    | 17°47  | 5°D10         | 6°24          | 0°22           | 10° 3          | T 18 |
| W19  | 9 52 52  | 29°37'20           | 13°47          | 3°39           | 2°36           | 9°30           | 6°56          | 8°57          | 9° 5          | 2°17    | 17°46  | 5°10          | 6°21          | 0°28           | 10° 5          | W19  |
| T 20 | 9 56 48  | 0 <b>) €</b> 37'48 | 26°28          | 4°49           | 3°51           | 10°17          | 7° 0          | 9° 3          | 9° 8          | 2°15    | 17°45  | 5°R11         | 6°17          | 0°35           | 10° 6          | T 20 |
| F 21 | 10 0 45  | 1°38'16            | 8 <b>才</b> 49  | 6° 1           | 5° 6           | 11° 3          | 7° 4          | 9° 8          | 9°11          | 2°14    | 17°44  | 5°11          | 6°14          | 0°42           | 10° 8          | F 21 |
| S 22 | 10 4 42  | 2°38'42            | 20°55          | 7°15           | 6°21           | 11°50          | 7° 8          | 9°13          | 9°14          | 2°12    | 17°43  | 5° 9          | 6°11          | 0°48           | 10°10          | S 22 |
| S 23 | 10 8 38  | 3°39'06            | 2 <b>ප්</b> 52 | 8°30           | 7°36           | 12°37          | 7°12          | 9°18          | 9°17          | 2°10    | 17°42  | 5° 5          | 6° 8          | 0°55           | 10°12          | S 23 |
| M24  | 10 12 35 | 4°39'29            | 14°44          | 9°47           | 8°51           | 13°24          | 7°17          | 9°23          | 9°20          | 2° 9    | 17°42  | 4°58          | 6° 5          | 1° 2           | 10°14          | M24  |
| T 25 | 10 16 31 | 5°39'51            | 26°34          | 11° 6          | 10° 6          | 14°10          | 7°21          | 9°28          | 9°23          | 2° 7    | 17°41  | 4°49          | 6° 2          | 1° 9           | 10°16          | T 25 |
| W26  | 10 20 28 | 6°40'11            | 8≈26           | 12°26          | 11°21          | 14°57          | 7°26          | 9°33          | 9°26          | 2° 5    | 17°40  | 4°38          | 5°58          | 1°15           | 10°19          | W26  |
| T 27 | 10 24 24 | 7°40'29            | 20°22          | 13°47          | 12°36          | 15°44          | 7°31          | 9°38          | 9°29          | 2° 4    | 17°39  | 4°27          | 5°55          | 1°22           | 10°21          | T 27 |
| F 28 | 10 28 21 | 8 <b>):</b> 40'46  | 2 <b>)</b> 24  | 15≈10          | 13 <b>米</b> 51 | 16≈31          | 7 <b>Ⅱ</b> 36 | 9 <b>궁</b> 43 | 9 <b>Υ</b> 32 | 2MD 2   | 17938  | 4 <b>8</b> 15 | 5 <b>8</b> 52 | 1≈29           | 10 <b>8</b> 23 | F 28 |

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| Day  | Sid.t    | 0                | D              | ğ             | ·              | ď                | 4               | ħ              | )Å(            | ¥               | В      | U             | v             | Ç    | ę,             | Day  |
|------|----------|------------------|----------------|---------------|----------------|------------------|-----------------|----------------|----------------|-----------------|--------|---------------|---------------|------|----------------|------|
| S 1  | 10 32 17 | 9 <b>米</b> 41'01 | 14 <b>)</b> 33 | 16≈34         | 15 <b>∺</b> 6  | 17 <b>≈</b> 18   | 7 <b>Ⅱ</b> 42   | 9 <b>ප</b> 47  | 9 <b>Ƴ</b> 35  | 2°R 0           | 17°R38 | 4°R 5         | 5 <b>8</b> 49 | 1≈36 | 10825          | S 1  |
| S 2  | 10 36 14 | 10°41'14         | 26°50          | 17°59         | 16°21          | 18° 5            | 7°47            | 9°52           | 9°38           | 1 <b>m</b> 59   | 17937  | 3 <b>8</b> 57 | 5°46          | 1°42 | 10°28          | S 2  |
| M 3  | 10 40 11 | 11°41'25         | 9 <b>Υ</b> 16  | 19°26         | 17°36          | 18°51            | 7°53            | 9°56           | 9°41           | 1°57            | 17°36  | 3°52          | 5°42          | 1°49 | 10°30          | M 3  |
| T 4  | 10 44 7  | 12°41'35         | 21°52          | 20°54         | 18°51          | 19°38            | 7°59            | 10° 1          | 9°44           | 1°55            | 17°36  | 3°49          | 5°39          | 1°56 | 10°32          | T 4  |
| W 5  | 10 48 4  | 13°41'42         | 4 <b>8</b> 39  | 22°23         | 20° 6          | 20°25            | 8° 5            | 10° 5          | 9°47           | 1°54            | 17°35  | 3°D48         | 5°36          | 2° 2 | 10°35          | W 5  |
| T 6  | 10 52 0  | 14°41'47         | 17°41          | 23°53         | 21°21          | 21°12            | 8°11            | 10°10          | 9°50           | 1°52            | 17°34  | 3°49          | 5°33          | 2° 9 | 10°38          | T 6  |
| F 7  | 10 55 57 | 15°41'51         | 0Д58           | 25°24         | 22°36          | 21°59            | 8°18            | 10°14          | 9°54           | 1°50            | 17°34  | 3°50          | 5°30          | 2°16 | 10°40          | F 7  |
| S 8  | 10 59 53 | 16°41'52         | 14°34          | 26°57         | 23°51          | 22°46            | 8°24            | 10°18          | 9°57           | 1°49            | 17°33  | 3°R51         | 5°27          | 2°23 | 10°43          | S 8  |
| S 9  | 11 3 50  | 17°41'51         | 28°29          | 28°31         | 25° 5          | 23°33            | 8°31            | 10°22          | 10° 0          | 1°47            | 17°33  | 3°50          | 5°23          | 2°29 | 10°45          | S 9  |
| M10  | 11 7 46  | 18°41'48         | 129544         | 0 <b>∀</b> 5  | 26°20          | 24°20            | 8°38            | 10°26          | 10° 3          | 1°46            | 17°32  | 3°48          | 5°20          | 2°36 | 10°48          | M10  |
| T 11 | 11 11 43 | 19°41'42         | 27°17          | 1°41          | 27°35          | 25° 7            | 8°45            | 10°30          | 10° 6          | 1°44            | 17°32  | 3°43          | 5°17          | 2°43 | 10°51          | T 11 |
| W12  | 11 15 40 | 20°41'34         | $12\Omega$ 4   | 3°19          | 28°50          | 25°54            | 8°52            | 10°34          | 10°10          | 1°42            | 17°31  | 3°38          | 5°14          | 2°49 | 10°54          | W12  |
| T 13 | 11 19 36 | 21°41'25         | 26°58          | 4°57          | 0 <b>Υ</b> 4   | 26°41            | 8°59            | 10°37          | 10°13          | 1°41            | 17°31  | 3°31          | 5°11          | 2°56 | 10°56          | T 13 |
| F 14 | 11 23 33 | 22°41'13         | 11 <b>m</b> 50 | 6°36          | 1°19           | 27°28            | 9° 6            | 10°41          | 10°16          | 1°39            | 17°30  | 3°25          | 5° 8          | 3° 3 | 10°59          | F 14 |
| S 15 | 11 27 29 | 23°40'58         | 26°32          | 8°17          | 2°34           | 28°15            | 9°14            | 10°45          | 10°20          | 1°38            | 17°30  | 3°19          | 5° 4          | 3°10 | 11° 2          | S 15 |
| S 16 | 11 31 26 | 24°40'42         | 10 <b>≏</b> 57 | 9°59          | 3°48           | 29° 1            | 9°22            | 10°48          | 10°23          | 1°36            | 17°29  | 3°16          | 5° 1          | 3°16 | 11° 5          | S 16 |
| M17  | 11 35 22 | 25°40'24         | 24°59          | 11°42         | 5° 3           | 29°48            | 9°30            | 10°52          | 10°26          | 1°35            | 17°29  | 3°14          | 4°58          | 3°23 | 11°8           | M17  |
| T 18 | 11 39 19 | 26°40'05         | 8 <b>M</b> .35 | 13°26         | 6°18           | 0 <b>∺</b> 35    | 9°38            | 10°55          | 10°30          | 1°33            | 17°29  | 3°D14         | 4°55          | 3°30 | 11°11          | T 18 |
| W19  | 11 43 15 | 27°39'43         | 21°46          | 15°12         | 7°32           | 1°22             | 9°46            | 10°58          | 10°33          | 1°32            | 17°28  | 3°15          | 4°52          | 3°37 | 11°14          | W19  |
| T 20 | 11 47 12 | 28°39'20         | 4 <b>₹</b> 33  | 16°59         | 8°47           | 2° 9             | 9°54            | 11° 1          | 10°36          | 1°30            | 17°28  | 3°16          | 4°48          | 3°43 | 11°17          | T 20 |
| F 21 | 11 51 9  | 29°38'55         | 16°59          | 18°47         | 10° 1          | 2°56             | 10° 2           | 11° 4          | 10°40          | 1°29            | 17°28  | 3°18          | 4°45          | 3°50 | 11°21          | F 21 |
| S 22 | 11 55 5  | 0 <b>Υ</b> 38'28 | 29°10          | 20°36         | 11°16          | 3°43             | 10°11           | 11° 7          | 10°43          | 1°27            | 17°28  | 3°R19         | 4°42          | 3°57 | 11°24          | S 22 |
| S 23 | 11 59 2  | 1°38'00          | 11 <b>る</b> 9  | 22°27         | 12°30          | 4°30             | 10°20           | 11°10          | 10°46          | 1°26            | 17°27  | 3°18          | 4°39          | 4° 3 | 11°27          | S 23 |
| M24  | 12 2 58  | 2°37'30          | 23° 3          | 24°19         | 13°45          | 5°17             | 10°28           | 11°13          | 10°50          | 1°25            | 17°27  | 3°16          | 4°36          | 4°10 | 11°30          | M24  |
| T 25 | 12 6 55  | 3°36'58          | 4≈54           | 26°12         | 14°59          | 6° 4             | 10°37           | 11°16          | 10°53          | 1°23            | 17°27  | 3°13          | 4°33          | 4°17 | 11°34          | T 25 |
| W26  | 12 10 51 | 4°36'24          | 16°48          | 28° 6         | 16°14          | 6°51             | 10°46           | 11°18          | 10°57          | 1°22            | 17°27  | 3° 9          | 4°29          | 4°24 | 11°37          | W26  |
| T 27 | 12 14 48 | 5°35'48          | 28°48          | 0 <b>Υ</b> 2  | 17°28          | 7°38             | 10°56           | 11°21          | 11° 0          | 1°21            | 17°27  | 3° 4          | 4°26          | 4°30 | 11°40          | T 27 |
| F 28 | 12 18 44 | 6°35'11          | 10 <b>∺</b> 56 | 1°59          | 18°43          | 8°25             | 11° 5           | 11°23          | 11° 4          | 1°19            | 17°26  | 2°59          | 4°23          | 4°37 | 11°44          | F 28 |
| S 29 | 12 22 41 | 7°34'31          | 23°15          | 3°57          | 19°57          | 9°12             | 11°14           | 11°26          | 11° 7          | 1°18            | 17°26  | 2°55          | 4°20          | 4°44 | 11°47          | S 29 |
| S 30 | 12 26 38 | 8°33'49          | 5 <b>Υ</b> 46  | 5°56          | 21°11          | 9°59             | 11°24           | 11°28          | 11°10          | 1°17            | 17°26  | 2°52          | 4°17          | 4°51 | 11°50          | S 30 |
| M31  | 12 30 34 | 9 <b>Ƴ</b> 33'06 | 18 <b>Y</b> 29 | 7 <b>Ƴ</b> 57 | 22 <b>Y</b> 26 | 10 <b>) €</b> 46 | 11 <b>II</b> 33 | 11 <b>る</b> 30 | 11 <b>Y</b> 14 | 1 <b>m</b> ) 15 | 179526 | 2 <b>8</b> 50 | 4814          | 4≈57 | 11 <b>8</b> 54 | M31  |

Delta T = 24.42 sec

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|------|----------|-------------------|----------------|---------------|----------------|----------------|-----------------|----------------|----------------|---------------|--------|---------------|---------------|---------------|----------------|------|
| T 1  | 12 34 31 | 10 <b>Y</b> 32'20 | 1 <b>8</b> 25  | 9 <b>Ƴ</b> 58 | 23 <b>Y</b> 40 | 11 <b>)</b> 32 | 11 <b>II</b> 43 | 11 <b>る</b> 32 | 11 <b>Y</b> 17 | 1°R14         | 17°D26 | 2°D49         | 4810          | 5≈ 4          | 11857          | T 1  |
| W 2  | 12 38 27 | 11°31'32          | 14°34          | 12° 1         | 24°54          | 12°19          | 11°53           | 11°34          | 11°21          | 1 <b>m</b> 13 | 179526 | 2 <b>8</b> 49 | 4° 7          | 5°11          | 12° 1          | W 2  |
| T 3  | 12 42 24 | 12°30'42          | 27°55          | 14° 4         | 26° 8          | 13° 6          | 12° 3           | 11°36          | 11°24          | 1°12          | 17°26  | 2°51          | 4° 4          | 5°17          | 12° 4          | T 3  |
| F 4  | 12 46 20 | 13°29'50          | 11 <b>Ⅱ</b> 29 | 16° 8         | 27°23          | 13°53          | 12°13           | 11°38          | 11°28          | 1°11          | 17°26  | 2°52          | 4° 1          | 5°24          | 12° 8          | F 4  |
| S 5  | 12 50 17 | 14°28'56          | 25°16          | 18°12         | 28°37          | 14°40          | 12°23           | 11°39          | 11°31          | 1° 9          | 17°26  | 2°53          | 3°58          | 5°31          | 12°12          | S 5  |
| S 6  | 12 54 13 | 15°27'59          | 99514          | 20°17         | 29°51          | 15°27          | 12°33           | 11°41          | 11°34          | 1°8           | 17°27  | 2°R54         | 3°54          | 5°38          | 12°15          | S 6  |
| M 7  | 12 58 10 | 16°27'00          | 23°23          | 22°21         | 1 <b>8</b> 5   | 16°14          | 12°44           | 11°43          | 11°38          | 1° 7          | 17°27  | 2°54          | 3°51          | 5°44          | 12°19          | M 7  |
| T 8  | 13 2 7   | 17°25'59          | 7 <b>Ω</b> 40  | 24°26         | 2°19           | 17° 0          | 12°54           | 11°44          | 11°41          | 1° 6          | 17°27  | 2°53          | 3°48          | 5°51          | 12°23          | T 8  |
| W 9  | 13 6 3   | 18°24'55          | 22° 4          | 26°30         | 3°33           | 17°47          | 13° 5           | 11°45          | 11°45          | 1° 5          | 17°27  | 2°52          | 3°45          | 5°58          | 12°26          | W 9  |
| T 10 | 13 10 0  | 19°23'49          | 6 <b>m</b> /30 | 28°33         | 4°47           | 18°34          | 13°16           | 11°46          | 11°48          | 1° 4          | 17°27  | 2°50          | 3°42          | 6° 4          | 12°30          | T 10 |
| F 11 | 13 13 56 | 20°22'41          | 20°54          | 0 <b>8</b> 35 | 6° 1           | 19°21          | 13°26           | 11°47          | 11°51          | 1° 3          | 17°28  | 2°49          | 3°39          | 6°11          | 12°34          | F 11 |
| S 12 | 13 17 53 | 21°21'30          | 5 <b>₾</b> 10  | 2°36          | 7°15           | 20° 7          | 13°37           | 11°48          | 11°55          | 1° 2          | 17°28  | 2°47          | 3°35          | 6°18          | 12°37          | S 12 |
| S 13 | 13 21 49 | 22°20'18          | 19°13          | 4°34          | 8°29           | 20°54          | 13°48           | 11°49          | 11°58          | 1° 1          | 17°28  | 2°46          | 3°32          | 6°25          | 12°41          | S 13 |
| M14  | 13 25 46 | 23°19'03          | 2 <b>M</b> 59  | 6°31          | 9°43           | 21°41          | 13°59           | 11°50          | 12° 2          | 1° 0          | 17°28  | 2°D46         | 3°29          | 6°31          | 12°45          | M14  |
| T 15 | 13 29 42 | 24°17'47          | 16°27          | 8°25          | 10°57          | 22°27          | 14°10           | 11°51          | 12° 5          | 1° 0          | 17°29  | 2°46          | 3°26          | 6°38          | 12°49          | T 15 |
| W16  | 13 33 39 | 25°16'28          | 29°33          | 10°16         | 12°11          | 23°14          | 14°21           | 11°51          | 12° 8          | 0°59          | 17°29  | 2°47          | 3°23          | 6°45          | 12°53          | W16  |
| T 17 | 13 37 35 | 26°15'08          | 12 <b>×</b> 20 | 12° 4         | 13°24          | 24° 1          | 14°33           | 11°52          | 12°12          | 0°58          | 17°29  | 2°48          | 3°20          | 6°52          | 12°56          | T 17 |
| F 18 | 13 41 32 | 27°13'47          | 2 <u>4</u> °49 | 13°49         | 14°38          | 24°47          | 14°44           | 11°52          | 12°15          | 0°57          | 17°30  | 2°48          | 3°16          | 6°58          | 13° 0          | F 18 |
| S 19 | 13 45 29 | 28°12'23          | 7 <b>궁</b> 3   | 15°30         | 15°52          | 25°34          | 14°56           | 11°53          | 12°18          | 0°56          | 17°30  | 2°49          | 3°13          | 7° 5          | 13° 4          | S 19 |
| S 20 | 13 49 25 | 29°10'58          | 19° 5          | 17° 7         | 17° 6          | 26°20          | 15° 7           | 11°53          | 12°22          | 0°56          | 17°31  | 2°49          | 3°10          | 7°12          | 13° 8          | S 20 |
| M21  | 13 53 22 | 0 <b>8</b> 9'31   | 1≈ 0           | 18°40         | 18°19          | 27° 7          | 15°19           | 11°53          | 12°25          | 0°55          | 17°31  | 2°R49         | 3° 7          | 7°18          | 13°12          | M21  |
| T 22 | 13 57 18 | 1° 8'03           | 12°53          | 20° 8         | 19°33          | 27°53          | 15°30           | 11°R53         | 12°28          | 0°54          | 17°32  | 2°49          | 3° 4          | 7°25          | 13°16          | T 22 |
| W23  | 14 1 15  | 2° 6'33           | 24°49          | 21°32         | 20°47          | 28°40          | 15°42           | 11°53          | 12°32          | 0°54          | 17°32  | 2°49          | 3° 0          | 7°32          | 13°20          | W23  |
| T 24 | 14 5 11  | 3° 5'01           | 6 <b>¥</b> 50  | 22°52         | 22° 0          | 29°26          | 15°54           | 11°53          | 12°35          | 0°53          | 17°33  | 2°D49         | 2°57          | 7°39          | 13°24          | T 24 |
| F 25 | 14 9 8   | 4° 3'28           | 19° 3          | 24° 6         | 23°14          | 0 <b>Υ</b> 13  | 16° 6           | 11°52          | 12°38          | 0°52          | 17°33  | 2°49          | 2°54          | 7°45          | 13°28          | F 25 |
| S 26 | 14 13 4  | 5° 1'52           | 1 <b>Y</b> 29  | 25°16         | 24°27          | 0°59           | 16°18           | 11°52          | 12°41          | 0°52          | 17°34  | 2°49          | 2°51          | 7°52          | 13°31          | S 26 |
| S 27 | 14 17 1  | 6° 0'16           | 14°11          | 26°21         | 25°41          | 1°45           | 16°30           | 11°52          | 12°45          | 0°51          | 17°35  | 2°49          | 2°48          | 7°59          | 13°35          | S 27 |
| M28  | 14 20 58 | 6°58'37           | 27°11          | 27°21         | 26°55          | 2°32           | 16°42           | 11°51          | 12°48          | 0°51          | 17°35  | 2°R50         | 2°45          | 8° 5          | 13°39          | M28  |
| T 29 | 14 24 54 | 7°56'57           | 10828          | 28°16         | 28° 8          | 3°18           | 16°54           | 11°50          | 12°51          | 0°50          | 17°36  | 2°50          | 2°41          | 8°12          | 13°43          | T 29 |
| W30  | 14 28 51 | 8 <b>8</b> 55'15  | 248 2          | 29 <b>8</b> 6 | 29821          | 4 <b>Υ</b> 4   | 17 <b>I</b> 7   | 11 <b>る</b> 50 | 12 <b>Y</b> 54 | 0 <b>m</b> 50 | 17936  | 2 <b>8</b> 49 | 2 <b>8</b> 38 | 8 <b>≈</b> 19 | 13 <b>8</b> 47 | W30  |

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|------|----------|------------------|-----------------|----------------|----------------|----------------|----------------|-----------------|----------------|---------------|--------|---------------|---------------|----------------|----------------|------|
| T 1  | 14 32 47 | 9 <b>8</b> 53'31 | 7耳50            | 29 <b>8</b> 51 | 0Д35           | <b>4Υ</b> 51   | 17 <b>耳</b> 19 | 11°R49          | 12 <b>Υ</b> 57 | 0°R50         | 17937  | 2°R49         | 2 <b>8</b> 35 | 8≈26           | 13 <b>8</b> 51 | T 1  |
| F 2  | 14 36 44 | 10°51'45         | 21°50           | 0Д30           | 1°48           | 5°37           | 17°31          | 11 <b>る</b> 48  | 13° 0          | 0 Mp 49       | 17°38  | 2 <b>8</b> 48 | 2°32          | 8°32           | 13°55          | F 2  |
| S 3  | 14 40 40 | 11°49'58         | 5958            | 1° 4           | 3° 2           | 6°23           | 17°44          | 11°47           | 13° 4          | 0°49          | 17°39  | 2°47          | 2°29          | 8°39           | 13°59          | S 3  |
| S 4  | 14 44 37 | 12°48'08         | 20°11           | 1°32           | 4°15           | 7° 9           | 17°56          | 11°45           | 13° 7          | 0°49          | 17°39  | 2°46          | 2°25          | 8°46           | 14° 3          | S 4  |
| M 5  | 14 48 33 | 13°46'17         | $4\Omega_{26}$  | 1°56           | 5°28           | 7°55           | 18° 9          | 11°44           | 13°10          | 0°48          | 17°40  | 2°45          | 2°22          | 8°53           | 14° 7          | M 5  |
| T 6  | 14 52 30 | 14°44'23         | 18°40           | 2°14           | 6°41           | 8°41           | 18°21          | 11°43           | 13°13          | 0°48          | 17°41  | 2°D45         | 2°19          | 8°59           | 14°11          | T 6  |
| W 7  | 14 56 27 | 15°42'28         | 2 <b>m</b> 51   | 2°26           | 7°55           | 9°27           | 18°34          | 11°41           | 13°16          | 0°48          | 17°42  | 2°46          | 2°16          | 9° 6           | 14°15          | W 7  |
| T 8  | 15 0 23  | 16°40'30         | 16°55           | 2°33           | 9°8            | 10°13          | 18°47          | 11°40           | 13°19          | 0°48          | 17°43  | 2°46          | 2°13          | 9°13           | 14°19          | T 8  |
| F 9  | 15 4 20  | 17°38'31         | 0 <b>ჲ</b> 52   | 2°R36          | 10°21          | 10°59          | 18°59          | 11°38           | 13°22          | 0°48          | 17°44  | 2°48          | 2°10          | 9°19           | 14°23          | F 9  |
| S 10 | 15 8 16  | 18°36'29         | 14°39           | 2°33           | 11°34          | 11°45          | 19°12          | 11°37           | 13°25          | 0°48          | 17°44  | 2°49          | 2° 6          | 9°26           | 14°27          | S 10 |
| S 11 | 15 12 13 | 19°34'26         | 28°15           | 2°25           | 12°47          | 12°31          | 19°25          | 11°35           | 13°28          | 0°48          | 17°45  | 2°R49         | 2° 3          | 9°33           | 14°31          | S 11 |
| M12  | 15 16 9  | 20°32'22         | 11 <b>M</b> J38 | 2°13           | 14° 0          | 13°17          | 19°38          | 11°33           | 13°31          | 0°D47         | 17°46  | 2°49          | 2° 0          | 9°40           | 14°35          | M12  |
| T 13 | 15 20 6  | 21°30'15         | 24°47           | 1°56           | 15°13          | 14° 3          | 19°51          | 11°31           | 13°33          | 0°47          | 17°47  | 2°48          | 1°57          | 9°46           | 14°39          | T 13 |
| W14  | 15 24 2  | 22°28'08         | 7 <b>.₹</b> 41  | 1°36           | 16°26          | 14°48          | 20° 4          | 11°29           | 13°36          | 0°48          | 17°48  | 2°46          | 1°54          | 9°53           | 14°43          | W14  |
| T 15 | 15 27 59 | 23°25'59         | 20°20           | 1°12           | 17°39          | 15°34          | 20°17          | 11°27           | 13°39          | 0°48          | 17°49  | 2°43          | 1°51          | 10° 0          | 14°47          | T 15 |
| F 16 | 15 31 56 | 24°23'48         | 2 <b>ප</b> 45   | 0°44           | 18°52          | 16°20          | 20°30          | 11°25           | 13°42          | 0°48          | 17°50  | 2°40          | 1°47          | 10° 7          | 14°51          | F 16 |
| S 17 | 15 35 52 | 25°21'37         | 14°57           | 0°15           | 20° 5          | 17° 5          | 20°43          | 11°22           | 13°45          | 0°48          | 17°51  | 2°36          | 1°44          | 10°13          | 14°55          | S 17 |
| S 18 | 15 39 49 | 26°19'24         | 26°59           | 29843          | 21°17          | 17°51          | 20°56          | 11°20           | 13°47          | 0°48          | 17°52  | 2°33          | 1°41          | 10°20          | 14°59          | S 18 |
| M19  | 15 43 45 | 27°17'10         | 8≈54            | 29° 9          | 22°30          | 18°36          | 21°10          | 11°17           | 13°50          | 0°48          | 17°53  | 2°31          | 1°38          | 10°27          | 15° 3          | M19  |
| T 20 | 15 47 42 | 28°14'54         | 20°47           | 28°35          | 23°43          | 19°22          | 21°23          | 11°15           | 13°53          | 0°48          | 17°54  | 2°30          | 1°35          | 10°33          | 15° 7          | T 20 |
| W21  | 15 51 38 | 29°12'38         | 2 <b>)</b> €42  | 28° 0          | 24°56          | 20° 7          | 21°36          | 11°12           | 13°56          | 0°49          | 17°56  | 2°D29         | 1°31          | 10°40          | 15°10          | W21  |
| T 22 | 15 55 35 | 0耳10′20          | 14°44           | 27°26          | 26° 8          | 20°53          | 21°49          | 11° 9           | 13°58          | 0°49          | 17°57  | 2°30          | 1°28          | 10°47          | 15°14          | T 22 |
| F 23 | 15 59 32 | 1° 8'02          | 26°57           | 26°52          | 27°21          | 21°38          | 22° 3          | 11° 7           | 14° 1          | 0°49          | 17°58  | 2°32          | 1°25          | 10°54          | 15°18          | F 23 |
| S 24 | 16 3 28  | 2° 5'42          | 9 <b>Υ</b> 25   | 26°20          | 28°34          | 22°24          | 22°16          | 11° 4           | 14° 3          | 0°50          | 17°59  | 2°33          | 1°22          | 11° 0          | 15°22          | S 24 |
| S 25 | 16 7 25  | 3° 3'22          | 22°13           | 25°50          | 29°46          | 23° 9          | 22°29          | 11° 1           | 14° 6          | 0°50          | 18° 0  | 2°35          | 1°19          | 11° 7          | 15°26          | S 25 |
| M26  | 16 11 21 | 4° 1'00          | 5 <b>8</b> 24   | 25°22          | 0959           | 23°54          | 22°43          | 10°58           | 14° 8          | 0°50          | 18° 1  | 2°R35         | 1°16          | 11°14          | 15°30          | M26  |
| T 27 | 16 15 18 | 4°58'37          | 18°57           | 24°58          | 2°11           | 24°39          | 22°56          | 10°55           | 14°11          | 0°51          | 18° 2  | 2°34          | 1°12          | 11°20          | 15°34          | T 27 |
| W28  | 16 19 14 | 5°56'14          | 2Ⅲ52            | 24°36          | 3°24           | 25°24          | 23°10          | 10°52           | 14°13          | 0°51          | 18° 4  | 2°31          | 1° 9          | 11°27          | 15°37          | W28  |
| T 29 | 16 23 11 | 6°53'49          | 17° 6           | 24°18          | 4°36           | 26° 9          | 23°23          | 10°48           | 14°16          | 0°52          | 18° 5  | 2°27          | 1° 6          | 11°34          | 15°41          | T 29 |
| F 30 | 16 27 7  | 7°51'23          | 19934           | 24° 5          | 5°48           | 26°54          | 23°37          | 10°45           | 14°18          | 0°52          | 18° 6  | 2°22          | 1° 3          | 11°41          | 15°45          | F 30 |
| S 31 | 16 31 4  | 8 <b>Ⅱ</b> 48'56 | 169 9           | 23 <b>8</b> 55 | 7 <b>9</b> 5 1 | 27 <b>Y</b> 39 | 23耳50          | 10 <b>ප්</b> 42 | 14 <b>Y</b> 20 | 0 <b>m</b> 53 | 1895 7 | 2817          | 1 <b>8</b> 0  | 11 <b>≈</b> 47 | 15 <b>8</b> 49 | S 31 |

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| Day  | Sid.t    | 0         | D                | ğ              | Q-             | ₹<br>S         | 4        | ħ              | )Å(            | ¥             | Р      | £            | S              | Ç     | ę,             | Day  |
|------|----------|-----------|------------------|----------------|----------------|----------------|----------|----------------|----------------|---------------|--------|--------------|----------------|-------|----------------|------|
| S 1  | 16 35 1  | 9∏46'28   | 0 <b>Ω</b> 46    | 23°R49         | 89513          | 28 <b>Y</b> 24 | 24∏ 4    | 10°R38         | 14 <b>Y</b> 23 | 0 <b>m</b> 54 | 1895 9 | 2°R12        | 0 <b>8</b> 57  | 11≈54 | 15 <b>8</b> 52 | S 1  |
| M 2  | 16 38 57 | 10°43'58  | 15°17            | 23°D48         | 9°25           | 29° 9          | 24°18    | 10 <b>궁</b> 35 | 14°25          | 0°54          | 18°10  | 2 <b>8</b> 8 | 0°53           | 12° 1 | 15°56          | M 2  |
| T 3  | 16 42 54 | 11°41'27  | 29°38            | 23851          | 10°37          | 29°54          | 24°31    | 10°31          | 14°27          | 0°55          | 18°11  | 2° 6         | 0°50           | 12° 8 | 16° 0          | T 3  |
| W 4  | 16 46 50 | 12°38'55  | 13 <b>M</b> 46   | 23°59          | 11°50          | 0 <b>8</b> 39  | 24°45    | 10°28          | 14°29          | 0°56          | 18°13  | 2°D 6        | 0°47           | 12°14 | 16° 4          | W 4  |
| T 5  | 16 50 47 | 13°36'21  | 27°40            | 24°11          | 13° 2          | 1°23           | 24°58    | 10°24          | 14°31          | 0°56          | 18°14  | 2° 6         | 0°44           | 12°21 | 16° 7          | T 5  |
| F 6  | 16 54 43 | 14°33'46  | 11 <b>≏</b> 20   | 24°28          | 14°14          | 2° 8           | 25°12    | 10°20          | 14°33          | 0°57          | 18°15  | 2° 8         | 0°41           | 12°28 | 16°11          | F 6  |
| S 7  | 16 58 40 | 15°31'10  | 24°45            | 24°49          | 15°26          | 2°53           | 25°26    | 10°16          | 14°35          | 0°58          | 18°17  | 2° 9         | 0°37           | 12°34 | 16°14          | S 7  |
| S 8  | 17 2 36  | 16°28'33  | 7 <b>M</b> 57    | 25°14          | 16°38          | 3°37           | 25°40    | 10°13          | 14°37          | 0°59          | 18°18  | 2°R 9        | 0°34           | 12°41 | 16°18          | S 8  |
| M 9  | 17 6 33  | 17°25'55  | 20°57            | 25°44          | 17°50          | 4°22           | 25°53    | 10° 9          | 14°39          | 1° 0          | 18°19  | 2° 7         | 0°31           | 12°48 | 16°22          | M 9  |
| T 10 | 17 10 30 | 18°23'16  | 3 <b>.</b> 745   | 26°18          | 19° 2          | 5° 6           | 26° 7    | 10° 5          | 14°41          | 1° 1          | 18°21  | 2° 3         | 0°28           | 12°55 | 16°25          | T 10 |
| W11  | 17 14 26 | 19°20'36  | 16°22            | 26°56          | 20°13          | 5°50           | 26°21    | 10° 1          | 14°43          | 1° 2          | 18°22  | 1°58         | 0°25           | 13° 1 | 16°29          | W11  |
| T 12 | 17 18 23 | 20°17'56  | 28°48            | 27°38          | 21°25          | 6°35           | 26°34    | 9°57           | 14°45          | 1° 3          | 18°24  | 1°50         | 0°22           | 13° 8 | 16°32          | T 12 |
| F 13 | 17 22 19 | 21°15'15  | 11る 4            | 28°25          | 22°37          | 7°19           | 26°48    | 9°53           | 14°47          | 1° 4          | 18°25  | 1°41         | 0°18           | 13°15 | 16°36          | F 13 |
| S 14 | 17 26 16 | 22°12'33  | 23°10            | 29°15          | 23°49          | 8° 3           | 27° 2    | 9°49           | 14°49          | 1° 5          | 18°26  | 1°32         | 0°15           | 13°21 | 16°39          | S 14 |
| S 15 | 17 30 12 | 23° 9'51  | 5≈ 9             | 0耳 9           | 25° 0          | 8°47           | 27°16    | 9°45           | 14°50          | 1° 6          | 18°28  | 1°23         | 0°12           | 13°28 | 16°42          | S 15 |
| M16  | 17 34 9  | 24° 7'08  | 17° 3            | 1° 7           | 26°12          | 9°31           | 27°29    | 9°40           | 14°52          | 1° 7          | 18°29  | 1°16         | 0° 9           | 13°35 | 16°46          | M16  |
| T 17 | 17 38 5  | 25° 4'25  | 28°55            | 2° 8           | 27°23          | 10°15          | 27°43    | 9°36           | 14°54          | 1°8           | 18°31  | 1°10         | 0° 6           | 13°42 | 16°49          | T 17 |
| W18  | 17 42 2  | 26° 1'41  | 10 <b>) (</b> 48 | 3°13           | 28°35          | 10°59          | 27°57    | 9°32           | 14°55          | 1° 9          | 18°32  | 1° 7         | 0° 3           | 13°48 | 16°52          | W18  |
| T 19 | 17 45 59 | 26°58'57  | 22°48            | 4°22           | 29°46          | 11°43          | 28°11    | 9°28           | 14°57          | 1°10          | 18°34  | 1°D 6        | 29 <b>Y</b> 59 | 13°55 | 16°56          | T 19 |
| F 20 | 17 49 55 | 27°56'13  | 4 <b>Υ</b> 59    | 5°34           | 0 <b>Ω</b> 58  | 12°27          | 28°24    | 9°24           | 14°59          | 1°11          | 18°35  | 1° 6         | 29°56          | 14° 2 | 16°59          | F 20 |
| S 21 | 17 53 52 | 28°53'29  | 17°26            | 6°50           | 2° 9           | 13°10          | 28°38    | 9°19           | 15° 0          | 1°12          | 18°37  | 1° 7         | 29°53          | 14° 8 | 17° 2          | S 21 |
| S 22 | 17 57 48 | 29°50'45  | 0813             | 8° 9           | 3°20           | 13°54          | 28°52    | 9°15           | 15° 1          | 1°14          | 18°38  | 1°R 7        | 29°50          | 14°15 | 17° 5          | S 22 |
| M23  | 18 1 45  | 0গ্ৰ48'00 | 13°26            | 9°31           | 4°31           | 14°38          | 29° 6    | 9°11           | 15° 3          | 1°15          | 18°40  | 1° 7         | 29°47          | 14°22 | 17° 9          | M23  |
| T 24 | 18 5 41  | 1°45'16   | 27° 6            | 10°57          | 5°43           | 15°21          | 29°19    | 9° 6           | 15° 4          | 1°16          | 18°41  | 1° 4         | 29°43          | 14°29 | 17°12          | T 24 |
| W25  | 18 9 38  | 2°42'31   | 11 <b>II</b> 12  | 12°27          | 6°54           | 16° 5          | 29°33    | 9° 2           | 15° 5          | 1°18          | 18°43  | 0°59         | 29°40          | 14°35 | 17°15          | W25  |
| T 26 | 18 13 34 | 3°39'46   | 25°44            | 13°59          | 8° 5           | 16°48          | 29°47    | 8°57           | 15° 7          | 1°19          | 18°44  | 0°52         | 29°37          | 14°42 | 17°18          | T 26 |
| F 27 | 18 17 31 | 4°37'01   | 10933            | 15°35          | 9°16           | 17°32          | 0ର୍ତ୍ତ 1 | 8°53           | 15° 8          | 1°20          | 18°46  | 0°43         | 29°34          | 14°49 | 17°21          | F 27 |
| S 28 | 18 21 28 | 5°34'16   | 25°33            | 17°14          | 10°27          | 18°15          | 0°14     | 8°49           | 15° 9          | 1°22          | 18°47  | 0°33         | 29°31          | 14°56 | 17°24          | S 28 |
| S 29 | 18 25 24 | 6°31'30   | 10 <b>Ω</b> 34   | 18°56          | 11°37          | 18°58          | 0°28     | 8°44           | 15°10          | 1°23          | 18°49  | 0°24         | 29°28          | 15° 2 | 17°27          | S 29 |
| M30  | 18 29 21 | 79528'44  | 25 <b>Ω</b> 25   | 20 <b>Ⅱ</b> 41 | 12 <b>Ω</b> 48 | 19 <b>8</b> 41 | 09୍ଦେ42  | 8 <b>궁</b> 40  | 15 <b>Ƴ</b> 11 | 1 <b>m</b> 25 | 18950  | 0817         | 29 <b>Υ</b> 24 | 15≈ 9 | 17830          | M30  |

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| Day          | Sid.t                | 0                    | D                      | ğ              | φ               | ď               | 4            | ħ              | )∤(             | ¥            | Р              | P              | ß              | ţ              | o<br>k         | Day          |
|--------------|----------------------|----------------------|------------------------|----------------|-----------------|-----------------|--------------|----------------|-----------------|--------------|----------------|----------------|----------------|----------------|----------------|--------------|
| T 1          | 18 33 17             | 8925'57              | 10 <b>m</b> ) 1        | 22 <b>Ⅱ</b> 29 | 13 <b>Ω</b> 59  | 20824           | 0956         | 8°R35          | 15 <b>Y</b> 12  | 1 Mp 26      | 18952          | 0°R12          | 29 <b>Υ</b> 21 | 15≈16          | 17 <b>8</b> 32 | T 1          |
| W 2          | 18 37 14             | 9°23'10              | 24°17                  | 24°20          | 15°10           | 21° 7           | 1° 9         | 8 <b>ප</b> 31  | 15°13           | 1°28         | 18°53          | 0 <b>8</b> 9   | 29°18          | 15°22          | 17°35          | W 2          |
| T 3          | 18 41 10             | 10°20'23             | 8 <b>亞</b> 11          | 26°14          | 16°20           | 21°50           | 1°23         | 8°26           | 15°14           | 1°29         | 18°55          | 0°D 8          | 29°15          | 15°29          | 17°38          | T 3          |
| F 4          | 18 45 7              | 11°17'35             | 21°44                  | 28°10          | 17°31           | 22°33           | 1°37         | 8°22           | 15°15           | 1°31         | 18°57          | 0° 8           | 29°12          | 15°36          | 17°41          | F 4          |
| S 5          | 18 49 4              | 12°14'47             | 4ML58                  | 099 9          | 18°41           | 23°16           | 1°50         | 8°18           | 15°16           | 1°32         | 18°58          | 0°R 8          | 29° 9          | 15°43          | 17°43          | S 5          |
| S 6          | 18 53 0              | 13°11'59             | 17°54                  | 2°10           | 19°52           | 23°58           | 2° 4         | 8°13           | 15°17           | 1°34         | 19° 0          | 0° 7           | 29° 5          | 15°49          | 17°46          | S 6          |
| M 7          | 18 56 57             | 14° 9'11             | 0 <b>.₹</b> 37         | 4°13           | 21° 2           | 24°41           | 2°17         | 8° 9           | 15°17           | 1°35         | 19° 1          | 0° 4           | 29° 2          | 15°56          | 17°49          | M 7          |
| T 8          | 19 0 53              | 15° 6'22             | 13° 8                  | 6°18           | 22°12           | 25°24           | 2°31         | 8° 4           | 15°18           | 1°37         | 19° 3          | 29 <b>Y</b> 58 | 28°59          | 16° 3          | 17°51          | T 8          |
| W 9          | 19 4 50              | 16° 3'34             | 25°30                  | 8°24           | 23°22           | 26° 6           | 2°45         | 8° 0           | 15°19           | 1°39         | 19° 4          | 29°49          | 28°56          | 16° 9          | 17°54          | W 9          |
| T 10         | 19 8 46              | 17° 0'45             | 7 <b>궁</b> 43          | 10°32          | 24°32           | 26°49           | 2°58         | 7°56           | 15°19           | 1°40         | 19° 6          | 29°38          | 28°53          | 16°16          | 17°56          | T 10         |
| F 11         | 19 12 43             | 17°57'57             | 19°48                  | 12°40          | 25°42           | 27°31           | 3°12         | 7°51           | 15°20           | 1°42         | 19° 8<br>19° 9 | 29°25          | 28°49          | 16°23          | 17°59          | F 11         |
| S 12         | 19 16 39             | 18°55'09             | 1≈48                   | 14°49          | 26°52           | 28°13           | 3°25         | 7°47           | 15°20           | 1°44         |                | 29°12          | 28°46          | 16°30          | 18° 1          | S 12         |
| S 13         | 19 20 36             | 19°52'21             | 13°43                  | 16°59          | 28° 2           | 28°55           | 3°39         | 7°43           | 15°21           | 1°46         | 19°11          | 28°59          | 28°43          | 16°36          | 18° 3          | S 13         |
| M14          | 19 24 33             | 20°49'34             | 25°35                  | 19° 8          | 29°12           | 29°37           | 3°52         | 7°38           | 15°21           | 1°47         | 19°12          | 28°48          | 28°40          | 16°43          | 18° 6          | M14          |
| T 15         | 19 28 29             | 21°46'47             | 7 <b>∺</b> 26          | 21°17          | 0 Mp 22         | 0 <b>∏</b> 19   | 4° 5         | 7°34           | 15°22           | 1°49         | 19°14          | 28°39          | 28°37          | 16°50          | 18° 8          | T 15         |
| W16          | 19 32 26             | 22°44'00             | 19°19<br>1 <b>Ƴ</b> 17 | 23°25          | 1°31            | 1° 1            | 4°19         | 7°30           | 15°22           | 1°51         | 19°15<br>19°17 | 28°32          | 28°34          | 16°56          | 18°10          | W16          |
| T 17<br>F 18 | 19 36 22<br>19 40 19 | 23°41'14<br>24°38'29 | 13°26                  | 25°33<br>27°40 | 2°41<br>3°50    | 1°43<br>2°25    | 4°32<br>4°45 | 7°26<br>7°22   | 15°22<br>15°22  | 1°53<br>1°54 | 19°17<br>19°19 | 28°29<br>28°27 | 28°30<br>28°27 | 17° 3<br>17°10 | 18°12<br>18°14 | T 17<br>F 18 |
| S 19         | 19 40 19             | 24 38 29<br>25°35'44 | 25°51                  | 27 40<br>29°46 | 4°59            | 3° 7            | 4 43<br>4°59 | 7°18           | 15°22           | 1°56         | 19 19<br>19°20 | 28°27          | 28°24          | 17 10<br>17°17 | 18°17          | S 19         |
|              |                      |                      |                        |                |                 | - '             |              |                |                 |              |                |                |                |                |                |              |
| S 20         | 19 48 12             | 26°33'00             | 8 <b>8</b> 35          | 1050           | 6° 9            | 3°48            | 5°12         | 7°14           | 15°23           | 1°58         | 19°22          | 28°27          | 28°21          | 17°23          | 18°19          | S 20         |
| M21<br>T 22  | 19 52 8<br>19 56 5   | 27°30'17<br>28°27'35 | 21°44<br>5 <b>Ⅲ</b> 22 | 3°53           | 7°18<br>8°27    | 4°30            | 5°25         | 7°10<br>7°6    | 15°23<br>15°R23 | 2° 0<br>2° 2 | 19°23<br>19°25 | 28°26<br>28°23 | 28°18<br>28°15 | 17°30<br>17°37 | 18°21<br>18°22 | M21<br>T 22  |
| W23          | 19 36 3              | 28°27'33<br>29°24'54 | 19°29                  | 5°55<br>7°55   | 9°36            | 5°11<br>5°53    | 5°38<br>5°51 | 7° 2           | 15°R23          | 2° 4         | 19°25<br>19°26 | 28°23<br>28°17 | 28°13          | 17°43          | 18°24          | W23          |
| T 24         | 20 0 2               | $0\Omega 22'13$      | 495 4                  | 9°54           | 10°45           | 6°34            | 6° 5         | 6°58           | 15°22           | 2° 6         | 19°28          | 28° 9          | 28° 8          | 17°50          | 18°26          | T 24         |
| F 25         | 20 7 55              | 1°19'33              | 19° 3                  | 11°51          | 11°53           | 7°15            | 6°18         | 6°54           | 15°22           | 2° 8         | 19°30          | 27°59          | 28° 5          | 17°57          | 18°28          | F 25         |
| S 26         | 20 11 51             | 2°16'54              | 4 <b>Ω</b> 15          | 13°46          | 13° 2           | 7°57            | 6°31         | 6°50           | 15°22           | 2°10         | 19°31          | 27°48          | 28° 2          | 18° 4          | 18°30          | S 26         |
| S 27         | 20 15 48             | 3°14'16              | 19°31                  | 15°40          | 14°11           | 8°38            | 6°44         | 6°46           | 15°22           | 2°12         | 19°33          | 27°38          | 27°59          | 18°10          | 18°31          | S 27         |
| M28          | 20 13 48             | 4°11'38              | 4 m 40                 | 17°32          | 15°19           | 9°19            | 6°57         | 6°43           | 15°22           | 2°14         | 19°34          | 27°29          | 27°55          | 18°17          | 18°33          | M28          |
| T 29         | 20 19 44             | 5° 9'01              | 19°32                  | 17 32<br>19°22 | 16°27           | 10° 0           | 7° 9         | 6°39           | 15°21           | 2°16         | 19°36          | 27°22          | 27°52          | 18°24          | 18°34          | T 29         |
| W30          | 20 27 37             | 6° 6'24              | 4 <u>Ω</u> 0           | 21°11          | 17°36           | 10°40           | 7°22         | 6°35           | 15°21           | 2°18         | 19°37          | 27°19          | 27°49          | 18°30          | 18°36          | W30          |
| T 31         | 20 31 34             | 7Ω 3'48              | 18 <b>♀</b> 2          | 22 <b>Ω</b> 58 | 18 <b>m</b> )44 | 11 <b>II</b> 21 | 7935         | 6 <b>පි</b> 32 | 15 <b>Y</b> 20  | 2 m/20       | 19939          | 27 <b>Υ</b> 17 | 27 <b>Υ</b> 46 | 18≈37          | 18837          | T 31         |

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| Day  | Sid.t    | 0                | D               | φ               | Ŷ              | ď               | 4      | ħ             | )ұ(            | <del>¥</del>    | 2      | ß              | Ω              | £              | Š              | Day  |
|------|----------|------------------|-----------------|-----------------|----------------|-----------------|--------|---------------|----------------|-----------------|--------|----------------|----------------|----------------|----------------|------|
| F 1  | 20 35 31 | 8 <b>Ω</b> 1'12  | 1 <b>M</b> .38  | 24 <b>Ω</b> 43  | 19 <b>m</b> 52 | 12 <b>I</b> I 2 | 79548  | 6°R28         | 15°R20         | 2 Mg 22         | 199540 | 27°R17         | 27 <b>Y</b> 43 | 18 <b>≈</b> 44 | 18 <b>8</b> 39 | F 1  |
| S 2  | 20 39 27 | 8°58'37          | 14°50           | 26°27           | 20°59          | 12°42           | 8° 0   | 6 <b>ප</b> 25 | 15 <b>Y</b> 19 | 2°24            | 19°42  | 27 <b>Y</b> 17 | 27°40          | 18°51          | 18°40          | S 2  |
| S 3  | 20 43 24 | 9°56'02          | 27°40           | 28° 9           | 22° 7          | 13°23           | 8°13   | 6°22          | 15°19          | 2°26            | 19°43  | 27°16          | 27°36          | 18°57          | 18°41          | S 3  |
| M 4  | 20 47 20 | 10°53'28         | 10 <b>×</b> 15  | 29°49           | 23°15          | 14° 3           | 8°26   | 6°19          | 15°18          | 2°28            | 19°45  | 27°13          | 27°33          | 19° 4          | 18°42          | M 4  |
| T 5  | 20 51 17 | 11°50'55         | 22°35           | 1 <b>m</b> ) 28 | 24°22          | 14°43           | 8°38   | 6°15          | 15°18          | 2°30            | 19°46  | 27° 7          | 27°30          | 19°11          | 18°44          | T 5  |
| W 6  | 20 55 13 | 12°48'23         | 4 <b>궁</b> 46   | 3° 5            | 25°30          | 15°23           | 8°51   | 6°12          | 15°17          | 2°32            | 19°48  | 26°59          | 27°27          | 19°17          | 18°45          | W 6  |
| T 7  | 20 59 10 | 13°45'52         | 16°49           | 4°40            | 26°37          | 16° 3           | 9° 3   | 6° 9          | 15°16          | 2°35            | 19°49  | 26°48          | 27°24          | 19°24          | 18°46          | T 7  |
| F 8  | 21 3 6   | 14°43'21         | 28°47           | 6°14            | 27°44          | 16°43           | 9°15   | 6° 6          | 15°15          | 2°37            | 19°51  | 26°36          | 27°21          | 19°31          | 18°47          | F 8  |
| S 9  | 21 7 3   | 15°40'51         | 10≈42           | 7°46            | 28°51          | 17°23           | 9°28   | 6° 3          | 15°15          | 2°39            | 19°52  | 26°23          | 27°17          | 19°38          | 18°48          | S 9  |
| S 10 | 21 11 0  | 16°38'23         | 22°34           | 9°16            | 29°58          | 18° 3           | 9°40   | 6° 0          | 15°14          | 2°41            | 19°54  | 26°10          | 27°14          | 19°44          | 18°49          | S 10 |
| M11  | 21 14 56 | 17°35'55         | 4 <b>∺</b> 26   | 10°45           | 1 <b>♀</b> 4   | 18°43           | 9°52   | 5°58          | 15°13          | 2°43            | 19°55  | 26° 0          | 27°11          | 19°51          | 18°49          | M11  |
| T 12 | 21 18 53 | 18°33'29         | 16°18           | 12°12           | 2°11           | 19°22           | 10° 4  | 5°55          | 15°12          | 2°45            | 19°56  | 25°51          | 27° 8          | 19°58          | 18°50          | T 12 |
| W13  | 21 22 49 | 19°31'04         | 28°14           | 13°38           | 3°17           | 20° 2           | 10°16  | 5°52          | 15°11          | 2°47            | 19°58  | 25°45          | 27° 5          | 20° 4          | 18°51          | W13  |
| T 14 | 21 26 46 | 20°28'40         | 10 <b>Υ</b> 16  | 15° 2           | 4°23           | 20°41           | 10°28  | 5°50          | 15°10          | 2°50            | 19°59  | 25°42          | 27° 1          | 20°11          | 18°51          | T 14 |
| F 15 | 21 30 42 | 21°26'18         | 22°28           | 16°24           | 5°29           | 21°21           | 10°40  | 5°47          | 15° 8          | 2°52            | 20° 1  | 25°D41         | 26°58          | 20°18          | 18°52          | F 15 |
| S 16 | 21 34 39 | 22°23'58         | 4 <b>8</b> 53   | 17°44           | 6°35           | 22° 0           | 10°52  | 5°45          | 15° 7          | 2°54            | 20° 2  | 25°41          | 26°55          | 20°25          | 18°53          | S 16 |
| S 17 | 21 38 35 | 23°21'38         | 17°36           | 19° 3           | 7°40           | 22°39           | 11° 4  | 5°43          | 15° 6          | 2°56            | 20° 3  | 25°R41         | 26°52          | 20°31          | 18°53          | S 17 |
| M18  | 21 42 32 | 24°19'21         | 0 <b>Ⅱ</b> 41   | 20°19           | 8°46           | 23°18           | 11°15  | 5°41          | 15° 5          | 2°58            | 20° 5  | 25°41          | 26°49          | 20°38          | 18°53          | M18  |
| T 19 | 21 46 29 | 25°17'05         | 14°12           | 21°34           | 9°51           | 23°57           | 11°27  | 5°39          | 15° 4          | 3° 1            | 20° 6  | 25°40          | 26°46          | 20°45          | 18°54          | T 19 |
| W20  | 21 50 25 | 26°14'51         | 28°12           | 22°47           | 10°56          | 24°36           | 11°39  | 5°37          | 15° 2          | 3° 3            | 20° 7  | 25°36          | 26°42          | 20°51          | 18°54          | W20  |
| T 21 | 21 54 22 | 27°12'39         | 12939           | 23°58           | 12° 1          | 25°14           | 11°50  | 5°35          | 15° 1          | 3° 5            | 20° 9  | 25°30          | 26°39          | 20°58          | 18°54          | T 21 |
| F 22 | 21 58 18 | 28°10'28         | 27°31           | 25° 6           | 13° 6          | 25°53           | 12° 2  | 5°33          | 15° 0          | 3° 7            | 20°10  | 25°23          | 26°36          | 21° 5          | 18°55          | F 22 |
| S 23 | 22 2 15  | 29° 8'19         | 12 <b>\O</b> 40 | 26°13           | 14°10          | 26°31           | 12°13  | 5°31          | 14°58          | 3° 9            | 20°11  | 25°14          | 26°33          | 21°12          | 18°55          | S 23 |
| S 24 | 22 6 11  | 0Mp 6'11         | 27°57           | 27°17           | 15°15          | 27°10           | 12°24  | 5°29          | 14°57          | 3°12            | 20°13  | 25° 6          | 26°30          | 21°18          | 18°R55         | S 24 |
| M25  | 22 10 8  | 1° 4'04          | 13 <b>M</b> 10  | 28°18           | 16°19          | 27°48           | 12°35  | 5°28          | 14°55          | 3°14            | 20°14  | 24°59          | 26°27          | 21°25          | 18°55          | M25  |
| T 26 | 22 14 4  | 2° 1'59          | 28°10           | 29°17           | 17°23          | 28°26           | 12°46  | 5°26          | 14°54          | 3°16            | 20°15  | 24°54          | 26°23          | 21°32          | 18°55          | T 26 |
| W27  | 22 18 1  | 2°59'56          | 12 <b>≏</b> 48  | 0 <b>ჲ</b> 14   | 18°26          | 29° 4           | 12°57  | 5°25          | 14°52          | 3°18            | 20°16  | 24°52          | 26°20          | 21°38          | 18°54          | W27  |
| T 28 | 22 21 58 | 3°57'53          | 27° 0           | 1° 7            | 19°30          | 29°42           | 13° 8  | 5°24          | 14°50          | 3°21            | 20°18  | 24°D51         | 26°17          | 21°45          | 18°54          | T 28 |
| F 29 | 22 25 54 | 4°55'52          | 10 <b>M</b> .44 | 1°58            | 20°33          | 0ණ20            | 13°19  | 5°22          | 14°49          | 3°23            | 20°19  | 24°52          | 26°14          | 21°52          | 18°54          | F 29 |
| S 30 | 22 29 51 | 5°53'53          | 24° 1           | 2°45            | 21°36          | 0°57            | 13°30  | 5°21          | 14°47          | 3°25            | 20°20  | 24°53          | 26°11          | 21°59          | 18°54          | S 30 |
| S 31 | 22 33 47 | 6 <b>M</b> 51'55 | 6 <b>₹</b> 754  | 3 <b>ჲ</b> 29   | 22 <b>£</b> 39 | 1935            | 139540 | 5 <b>云</b> 20 | 14 <b>Y</b> 45 | 3 <b>m</b> ) 27 | 20921  | 24°R54         | 26 <b>℃</b> 7  | 22≈ 5          | 18 <b>8</b> 53 | S 31 |

SEPTEMBER 1930 00:00 UT

| Day  | Sid.t    | 0                | D              | Ϋ́           | P              | ð      | 4      | ħ             | )∤(            | 并              | Р      | ß              | v              | ţ     | ę,             | Day  |
|------|----------|------------------|----------------|--------------|----------------|--------|--------|---------------|----------------|----------------|--------|----------------|----------------|-------|----------------|------|
| M 1  | 22 37 44 | 7 <b>m</b> 49'58 | 19 <b>∡</b> 27 | 4 <b>Ω</b> 9 | 23 <b>≙</b> 41 | 29612  | 13951  | 5°R19         | 14°R43         | 3 <b>m</b> 29  | 209522 | 24°R53         | 26 <b>Y</b> 4  | 22≈12 | 18°R53         | M 1  |
| T 2  | 22 41 40 | 8°48'02          | 1 <b>る</b> 44  | 4°45         | 24°43          | 2°50   | 14° 1  | 5 <b>る</b> 19 | 14 <b>Υ</b> 42 | 3°32           | 20°23  | 24 <b>Y</b> 50 | 26° 1          | 22°19 | 18 <b>8</b> 52 | T 2  |
| W 3  | 22 45 37 | 9°46'08          | 13°50          | 5°17         | 25°45          | 3°27   | 14°12  | 5°18          | 14°40          | 3°34           | 20°24  | 24°46          | 25°58          | 22°25 | 18°52          | W 3  |
| T 4  | 22 49 33 | 10°44'16         | 25°48          | 5°45         | 26°47          | 4° 4   | 14°22  | 5°17          | 14°38          | 3°36           | 20°26  | 24°39          | 25°55          | 22°32 | 18°51          | T 4  |
| F 5  | 22 53 30 | 11°42'25         | 7≈42           | 6° 8         | 27°48          | 4°41   | 14°32  | 5°17          | 14°36          | 3°38           | 20°27  | 24°32          | 25°52          | 22°39 | 18°51          | F 5  |
| S 6  | 22 57 27 | 12°40'35         | 19°34          | 6°26         | 28°49          | 5°18   | 14°42  | 5°16          | 14°34          | 3°41           | 20°28  | 24°24          | 25°48          | 22°46 | 18°50          | S 6  |
| S 7  | 23 1 23  | 13°38'47         | 1 <b>∺</b> 26  | 6°39         | 29°50          | 5°54   | 14°52  | 5°16          | 14°32          | 3°43           | 20°29  | 24°16          | 25°45          | 22°52 | 18°49          | S 7  |
| M 8  | 23 5 20  | 14°37'01         | 13°20          | 6°46         | 0 <b>M</b> .50 | 6°31   | 15° 2  | 5°16          | 14°30          | 3°45           | 20°30  | 24°10          | 25°42          | 22°59 | 18°48          | M 8  |
| T 9  | 23 9 16  | 15°35'16         | 25°19          | 6°R47        | 1°50           | 7° 7   | 15°11  | 5°15          | 14°28          | 3°47           | 20°31  | 24° 5          | 25°39          | 23° 6 | 18°47          | T 9  |
| W10  | 23 13 13 | 16°33'33         | 7 <b>Υ</b> 23  | 6°42         | 2°50           | 7°44   | 15°21  | 5°D15         | 14°26          | 3°49           | 20°32  | 24° 1          | 25°36          | 23°12 | 18°47          | W10  |
| T 11 | 23 17 9  | 17°31'52         | 19°34          | 6°30         | 3°49           | 8°20   | 15°31  | 5°15          | 14°24          | 3°51           | 20°33  | 24°D 0         | 25°33          | 23°19 | 18°45          | T 11 |
| F 12 | 23 21 6  | 18°30'13         | 1 <b>8</b> 55  | 6°12         | 4°48           | 8°56   | 15°40  | 5°16          | 14°22          | 3°54           | 20°34  | 24° 0          | 25°29          | 23°26 | 18°44          | F 12 |
| S 13 | 23 25 2  | 19°28'37         | 14°28          | 5°48         | 5°46           | 9°32   | 15°49  | 5°16          | 14°20          | 3°56           | 20°35  | 24° 1          | 25°26          | 23°32 | 18°43          | S 13 |
| S 14 | 23 28 59 | 20°27'02         | 27°17          | 5°16         | 6°45           | 10° 8  | 15°58  | 5°16          | 14°18          | 3°58           | 20°36  | 24° 3          | 25°23          | 23°39 | 18°42          | S 14 |
| M15  | 23 32 56 | 21°25'30         | 10 <b>Ⅱ</b> 24 | 4°38         | 7°42           | 10°43  | 16° 7  | 5°17          | 14°16          | 4° 0           | 20°36  | 24° 4          | 25°20          | 23°46 | 18°41          | M15  |
| T 16 | 23 36 52 | 22°23'59         | 23°52          | 3°54         | 8°40           | 11°19  | 16°16  | 5°17          | 14°13          | 4° 2           | 20°37  | 24°R 5         | 25°17          | 23°53 | 18°40          | T 16 |
| W17  | 23 40 49 | 23°22'31         | 7 <b>95</b> 43 | 3° 3         | 9°36           | 11°54  | 16°25  | 5°18          | 14°11          | 4° 4           | 20°38  | 24° 4          | 25°13          | 23°59 | 18°38          | W17  |
| T 18 | 23 44 45 | 24°21'05         | 21°57          | 2° 8         | 10°33          | 12°29  | 16°34  | 5°19          | 14° 9          | 4° 7           | 20°39  | 24° 2          | 25°10          | 24° 6 | 18°37          | T 18 |
| F 19 | 23 48 42 | 25°19'42         | 6 <b>Ω</b> 32  | 1° 9         | 11°29          | 13° 4  | 16°42  | 5°19          | 14° 7          | 4° 9           | 20°40  | 23°59          | 25° 7          | 24°13 | 18°35          | F 19 |
| S 20 | 23 52 38 | 26°18'20         | 21°24          | 0° 6         | 12°24          | 13°39  | 16°51  | 5°20          | 14° 4          | 4°11           | 20°41  | 23°55          | 25° 4          | 24°19 | 18°34          | S 20 |
| S 21 | 23 56 35 | 27°17'01         | 6 <b>m</b> 25  | 29Mm 2       | 13°19          | 14°14  | 16°59  | 5°21          | 14° 2          | 4°13           | 20°41  | 23°51          | 25° 1          | 24°26 | 18°32          | S 21 |
| M22  | 0 0 31   | 28°15'43         | 21°27          | 27°57        | 14°14          | 14°48  | 17° 7  | 5°23          | 14° 0          | 4°15           | 20°42  | 23°48          | 24°58          | 24°33 | 18°31          | M22  |
| T 23 | 0 4 28   | 29°14'28         | 6 <b>₽</b> 21  | 26°54        | 15° 8          | 15°23  | 17°15  | 5°24          | 13°57          | 4°17           | 20°43  | 23°46          | 24°54          | 24°39 | 18°29          | T 23 |
| W24  | 0 8 25   | 0 <b>≏</b> 13'14 | 20°58          | 25°53        | 16° 1          | 15°57  | 17°23  | 5°25          | 13°55          | 4°19           | 20°43  | 23°D45         | 24°51          | 24°46 | 18°27          | W24  |
| T 25 | 0 12 21  | 1°12'02          | 5 <b>M</b> .14 | 24°57        | 16°54          | 16°31  | 17°31  | 5°27          | 13°53          | 4°21           | 20°44  | 23°45          | 24°48          | 24°53 | 18°26          | T 25 |
| F 26 | 0 16 18  | 2°10'52          | 19° 3          | 24° 7        | 17°46          | 17° 5  | 17°38  | 5°28          | 13°50          | 4°23           | 20°45  | 23°46          | 24°45          | 25° 0 | 18°24          | F 26 |
| S 27 | 0 20 14  | 3° 9'44          | 2 <b>₹</b> 26  | 23°24        | 18°38          | 17°39  | 17°46  | 5°30          | 13°48          | 4°25           | 20°45  | 23°48          | 24°42          | 25° 6 | 18°22          | S 27 |
| S 28 | 0 24 11  | 4° 8'38          | 15°25          | 22°50        | 19°29          | 18°12  | 17°53  | 5°31          | 13°46          | 4°27           | 20°46  | 23°49          | 24°38          | 25°13 | 18°20          | S 28 |
| M29  | 0 28 7   | 5° 7'34          | 2 <u>8</u> ° 2 | 22°25        | 20°19          | 18°46  | 18° 0  | <u>5</u> °33  | 13°43          | 4°29           | 20°47  | 23°50          | 24°35          | 25°20 | 18°18          | M29  |
| T 30 | 0 32 4   | 6 <b>₾</b> 6'31  | 10 <b>る</b> 21 | 22 Mp 10     | 21M 9          | 199519 | 1895 7 | 5 <b>ح</b> 35 | 13 <b>Y</b> 41 | 4 <b>m</b> /31 | 209547 | 23°R50         | 24 <b>Y</b> 32 | 25≈26 | 18 <b>8</b> 16 | T 30 |

Delta T = 24.41 sec

OCTOBER 1930 00:00 UT

| Day  | Sid.t   | 0               | D               | ğ              | φ              | δ            | 4      | ħ             | )f(            | 卉             | Р      | r              | Ω              | Ç     | ķ              | Day  |
|------|---------|-----------------|-----------------|----------------|----------------|--------------|--------|---------------|----------------|---------------|--------|----------------|----------------|-------|----------------|------|
| W 1  | 0 36 0  | 7 <b>♀</b> 5'30 | 22 <b>る</b> 27  | 22°D 6         | 21 <b>M</b> 57 | 19952        | 189514 | 5 <b>云</b> 37 | 13°R39         | 4 Mp 33       | 209548 | 23°R49         | 24 <b>Y</b> 29 | 25≈33 | 18°R14         | W 1  |
| T 2  | 0 39 57 | 8° 4'31         | 4≈24            | 22 Mp 11       | 22°45          | 20°25        | 18°21  | 5°39          | 13 <b>Y</b> 36 | 4°35          | 20°48  | 23 <b>Y</b> 48 | 24°26          | 25°40 | 18 <b>8</b> 12 | T 2  |
| F 3  | 0 43 54 | 9° 3'33         | 16°16           | 22°27          | 23°33          | 20°58        | 18°28  | 5°41          | 13°34          | 4°37          | 20°49  | 23°46          | 24°23          | 25°47 | 18°10          | F 3  |
| S 4  | 0 47 50 | 10° 2'38        | 28° 7           | 22°53          | 24°19          | 21°30        | 18°34  | 5°44          | 13°31          | 4°39          | 20°49  | 23°44          | 24°19          | 25°53 | 18° 8          | S 4  |
| S 5  | 0 51 47 | 11° 1'44        | 10 <b>米</b> 1   | 23°29          | 25° 5          | 22° 3        | 18°40  | 5°46          | 13°29          | 4°41          | 20°50  | 23°42          | 24°16          | 26° 0 | 18° 5          | S 5  |
| M 6  | 0 55 43 | 12° 0'52        | 22° 0           | 24°13          | 25°49          | 22°35        | 18°47  | 5°48          | 13°26          | 4°42          | 20°50  | 23°40          | 24°13          | 26° 7 | 18° 3          | M 6  |
| T 7  | 0 59 40 | 13° 0'02        | 4 <b>℃</b> 7    | 25° 6          | 26°33          | 23° 7        | 18°53  | 5°51          | 13°24          | 4°44          | 20°50  | 23°39          | 24°10          | 26°13 | 18° 1          | T 7  |
| W 8  | 1 3 36  | 13°59'14        | 16°23           | 26° 6          | 27°16          | 23°38        | 18°58  | 5°54          | 13°22          | 4°46          | 20°51  | 23°38          | 24° 7          | 26°20 | 17°58          | W 8  |
| T 9  | 1 7 33  | 14°58'28        | 28°50           | 27°13          | 27°57          | 24°10        | 19° 4  | 5°56          | 13°19          | 4°48          | 20°51  | 23°D38         | 24° 4          | 26°27 | 17°56          | T 9  |
| F 10 | 1 11 29 | 15°57'44        | 11828           | 28°26          | 28°38          | 24°41        | 19°10  | 5°59          | 13°17          | 4°50          | 20°51  | 23°39          | 24° 0          | 26°33 | 17°54          | F 10 |
| S 11 | 1 15 26 | 16°57'02        | 24°19           | 29°44          | 29°17          | 25°12        | 19°15  | 6° 2          | 13°14          | 4°52          | 20°52  | 23°39          | 23°57          | 26°40 | 17°51          | S 11 |
| S 12 | 1 19 22 | 17°56'23        | 7Ⅲ23            | 1 <b>♀</b> 7   | 29°56          | 25°43        | 19°20  | 6° 5          | 13°12          | 4°53          | 20°52  | 23°40          | 23°54          | 26°47 | 17°49          | S 12 |
| M13  | 1 23 19 | 18°55'46        | 20°42           | 2°34           | 0 <b>∡</b> 33  | 26°14        | 19°25  | 6° 8          | 13° 9          | 4°55          | 20°52  | 23°40          | 23°51          | 26°54 | 17°46          | M13  |
| T 14 | 1 27 16 | 19°55'11        | 49316           | 4° 4           | 1° 9           | 26°44        | 19°30  | 6°11          | 13° 7          | 4°57          | 20°53  | 23°41          | 23°48          | 27° 0 | 17°44          | T 14 |
| W15  | 1 31 12 | 20°54'38        | 18° 6           | 5°37           | 1°44           | 27°15        | 19°35  | 6°15          | 13° 5          | 4°58          | 20°53  | 23°R41         | 23°44          | 27° 7 | 17°41          | W15  |
| T 16 | 1 35 9  | 21°54'08        | 2 <b>Ω</b> 10   | 7°12           | 2°17           | 27°45        | 19°39  | 6°18          | 13° 2          | 5° 0          | 20°53  | 23°41          | 23°41          | 27°14 | 17°38          | T 16 |
| F 17 | 1 39 5  | 22°53'41        | 16°28           | 8°49           | 2°49           | 28°14        | 19°43  | 6°22          | 13° 0          | 5° 2          | 20°53  | 23°41          | 23°38          | 27°20 | 17°36          | F 17 |
| S 18 | 1 43 2  | 23°53'15        | 0 <b>m</b> 57   | 10°27          | 3°19           | 28°44        | 19°47  | 6°25          | 12°57          | 5° 3          | 20°53  | 23°D41         | 23°35          | 27°27 | 17°33          | S 18 |
| S 19 | 1 46 58 | 24°52'52        | 15°33           | 12° 7          | 3°48           | 29°13        | 19°51  | 6°29          | 12°55          | 5° 5          | 20°53  | 23°41          | 23°32          | 27°34 | 17°30          | S 19 |
| M20  | 1 50 55 | 25°52'31        | 0 <b>ჲ</b> 10   | 13°47          | 4°16           | 29°42        | 19°55  | 6°32          | 12°53          | 5° 6          | 20°53  | 23°41          | 23°29          | 27°40 | 17°27          | M20  |
| T 21 | 1 54 51 | 26°52'12        | 14°43           | 15°28          | 4°42           | $0\Omega$ 11 | 19°59  | 6°36          | 12°50          | 5° 8          | 20°53  | 23°41          | 23°25          | 27°47 | 17°25          | T 21 |
| W22  | 1 58 48 | 27°51'55        | 29° 5           | 17°10          | 5° 6           | 0°40         | 20° 2  | 6°40          | 12°48          | 5° 9          | 20°53  | 23°R41         | 23°22          | 27°54 | 17°22          | W22  |
| T 23 | 2 2 45  | 28°51'40        | 13 <b>M</b> .11 | 18°51          | 5°28           | 1° 8         | 20° 5  | 6°44          | 12°46          | 5°11          | 20°R53 | 23°41          | 23°19          | 28° 1 | 17°19          | T 23 |
| F 24 | 2 6 41  | 29°51'27        | 26°58           | 20°33          | 5°49           | 1°36         | 20° 8  | 6°48          | 12°43          | 5°12          | 20°53  | 23°40          | 23°16          | 28° 7 | 17°16          | F 24 |
| S 25 | 2 10 38 | 0ML51'16        | 10 <b>₹</b> 22  | 22°15          | 6° 8           | 2° 4         | 20°11  | 6°52          | 12°41          | 5°14          | 20°53  | 23°40          | 23°13          | 28°14 | 17°13          | S 25 |
| S 26 | 2 14 34 | 1°51'07         | 23°23           | 23°56          | 6°25           | 2°31         | 20°14  | 6°56          | 12°39          | 5°15          | 20°53  | 23°39          | 23°10          | 28°21 | 17°10          | S 26 |
| M27  | 2 18 31 | 2°50'59         | 6 පි 4          | 25°37          | 6°40           | 2°58         | 20°16  | 7° 1          | 12°37          | 5°17          | 20°53  | 23°38          | 23° 6          | 28°27 | 17° 7          | M27  |
| T 28 | 2 22 27 | 3°50'53         | 18°26           | 27°18          | 6°52           | 3°25         | 20°19  | 7° 5          | 12°34          | 5°18          | 20°53  | 23°37          | 23° 3          | 28°34 | 17° 5          | T 28 |
| W29  | 2 26 24 | 4°50'49         | 0≈33            | 28°59          | 7° 3           | 3°52         | 20°21  | 7° 9          | 12°32          | 5°19          | 20°53  | 23°D36         | 23° 0          | 28°41 | 17° 2          | W29  |
| T 30 | 2 30 20 | 5°50'47         | 12°31           | 0 <b>M</b> .39 | 7°12           | 4°18         | 20°23  | <u>7</u> °14  | 12°30          | 5°21          | 20°53  | 23°36          | 22°57          | 28°47 | 16°59          | T 30 |
| F 31 | 2 34 17 | 6M50'46         | 24≈23           | 2 <b>M</b> 19  | 7 <b>,7</b> 18 | $4\Omega$ 44 | 209524 | 7 <b>궁</b> 18 | 12 <b>Υ</b> 28 | 5 <b>M</b> 22 | 20953  | 23 <b>Y</b> 37 | 22 <b>Y</b> 54 | 28≈54 | 16 <b>8</b> 56 | F 31 |

NOVEMBER 1930 00:00 UT

| Day  | Sid.t   | 0                  | D                | ğ               | φ              | ♂              | 4              | ħ             | )∤(            | 并             | В      | P              | v              | ţ             | ę<br>k         | Day  |
|------|---------|--------------------|------------------|-----------------|----------------|----------------|----------------|---------------|----------------|---------------|--------|----------------|----------------|---------------|----------------|------|
| S 1  | 2 38 14 | 7 <b>M</b> 50'46   | 6 <b>∺</b> 14    | 3M59            | 7 <b>,₹</b> 22 | 5 <b>Ω</b> 10  | 20926          | 7 <b>궁</b> 23 | 12°R26         | 5 <b>m</b> 23 | 20°R52 | 23 <b>Y</b> 38 | 22 <b>Y</b> 50 | 29≈ 1         | 16°R53         | S 1  |
| S 2  | 2 42 10 | 8°50'48            | 18°10            | 5°38            | 7°R23          | 5°35           | 20°27          | 7°28          | 12 <b>Y</b> 24 | 5°24          | 20952  | 23°39          | 22°47          | 29° 8         | 16850          | S 2  |
| M 3  | 2 46 7  | 9°50'52            | 0 <b>Υ</b> 13    | 7°17            | 7°22           | 6° 0           | 20°28          | 7°32          | 12°22          | 5°26          | 20°52  | 23°41          | 22°44          | 29°14         | 16°47          | M 3  |
| T 4  | 2 50 3  | 10°50'58           | 12°27            | 8°55            | 7°19           | 6°25           | 20°29          | 7°37          | 12°20          | 5°27          | 20°52  | 23°42          | 22°41          | 29°21         | 16°44          | T 4  |
| W 5  | 2 54 0  | 11°51'05           | 24°56            | 10°33           | 7°13           | 6°49           | 20°30          | 7°42          | 12°18          | 5°28          | 20°51  | 23°R42         | 22°38          | 29°28         | 16°41          | W 5  |
| T 6  | 2 57 56 | 12°51'14           | 7 <b>8</b> 39    | 12°10           | 7° 5           | 7°13           | 20°30          | 7°47          | 12°16          | 5°29          | 20°51  | 23°42          | 22°35          | 29°34         | 16°37          | T 6  |
| F 7  | 3 1 53  | 13°51'25           | 20°39            | 13°47           | 6°55           | 7°37           | 20°31          | 7°52          | 12°14          | 5°30          | 20°51  | 23°40          | 22°31          | 29°41         | 16°34          | F 7  |
| S 8  | 3 5 49  | 14°51'38           | 3 <b>Ⅱ</b> 54    | 15°24           | 6°42           | 8° 0           | 20°R31         | 7°57          | 12°12          | 5°31          | 20°50  | 23°37          | 22°28          | 29°48         | 16°31          | S 8  |
| S 9  | 3 9 46  | 15°51'52           | 17°24            | 17° 0           | 6°26           | 8°23           | 20°31          | 8° 2          | 12°10          | 5°32          | 20°50  | 23°34          | 22°25          | 29°54         | 16°28          | S 9  |
| M10  | 3 13 43 | 16°52'09           | 195 6            | 18°36           | 6° 9           | 8°45           | 20°31          | 8° 8          | 12° 8          | 5°33          | 20°49  | 23°31          | 22°22          | 0 <b>∺</b> 1  | 16°25          | M10  |
| T 11 | 3 17 39 | 17°52'27           | 14°58            | 20°11           | 5°48           | 9° 8           | 20°30          | 8°13          | 12° 6          | 5°34          | 20°49  | 23°27          | 22°19          | 0° 8          | 16°22          | T 11 |
| W12  | 3 21 36 | 18°52'48           | 28°58            | 21°47           | 5°26           | 9°29           | 20°29          | 8°18          | 12° 4          | 5°35          | 20°48  | 23°25          | 22°16          | 0°14          | 16°19          | W12  |
| T 13 | 3 25 32 | 19°53'10           | 130 4            | 23°22           | 5° 2           | 9°51           | 20°29          | 8°24          | 12° 2          | 5°36          | 20°48  | 23°24          | 22°12          | 0°21          | 16°16          | T 13 |
| F 14 | 3 29 29 | 20°53'34           | 27°14            | 24°56           | 4°35           | 10°12          | 20°27          | 8°29          | 12° 1          | 5°37          | 20°47  | 23°D24         | 22° 9          | 0°28          | 16°13          | F 14 |
| S 15 | 3 33 25 | 21°54'00           | 11 <b>m</b> ) 25 | 26°31           | 4° 7           | 10°32          | 20°26          | 8°35          | 11°59          | 5°38          | 20°47  | 23°25          | 22° 6          | 0°35          | 16°10          | S 15 |
| S 16 | 3 37 22 | 22°54'28           | 25°36            | 28° 5           | 3°37           | 10°52          | 20°25          | 8°40          | 11°57          | 5°38          | 20°46  | 23°26          | 22° 3          | 0°41          | 16° 7          | S 16 |
| M17  | 3 41 18 | 23°54'58           | 9 <b>≏</b> 45    | 29°38           | 3° 5           | 11°12          | 20°23          | 8°46          | 11°56          | 5°39          | 20°46  | 23°28          | 22° 0          | 0°48          | 16° 4          | M17  |
| T 18 | 3 45 15 | 24°55'30           | 23°49            | 1 <b>才</b> 12   | 2°33           | 11°31          | 20°21          | 8°52          | 11°54          | 5°40          | 20°45  | 23°R28         | 21°56          | 0°55          | 16° 1          | T 18 |
| W19  | 3 49 12 | 25°56'03           | 7 <b>M</b> .46   | 2°45            | 1°58           | 11°50          | 20°19          | 8°58          | 11°53          | 5°40          | 20°44  | 23°27          | 21°53          | 1° 1          | 15°58          | W19  |
| T 20 | 3 53 8  | 26°56'39           | 21°31            | 4°19            | 1°24           | 12° 8          | 20°17          | 9° 3          | 11°51          | 5°41          | 20°44  | 23°25          | 21°50          | 1° 8          | 15°55          | T 20 |
| F 21 | 3 57 5  | 27°57'15           | 5 <b>√</b> 2     | 5°52            | 0°48           | 12°26          | 20°14          | 9° 9          | 11°50          | 5°42          | 20°43  | 23°21          | 21°47          | 1°15          | 15°52          | F 21 |
| S 22 | 4 1 1   | 28°57'53           | 18°17            | 7°24            | 0°12           | 12°44          | 20°12          | 9°15          | 11°48          | 5°42          | 20°42  | 23°15          | 21°44          | 1°21          | 15°49          | S 22 |
| S 23 | 4 4 58  | 29°58'33           | 1 <b>ਰ</b> 14    | 8°57            | 29MJ35         | 13° 0          | 20° 9          | 9°21          | 11°47          | 5°43          | 20°42  | 23° 8          | 21°41          | 1°28          | 15°46          | S 23 |
| M24  | 4 8 54  | 0 <b>₮</b> 59'14   | 13°53            | 10°29           | 28°59          | 13°17          | 20° 6          | 9°27          | 11°45          | 5°43          | 20°41  | 23° 2          | 21°37          | 1°35          | 15°43          | M24  |
| T 25 | 4 12 51 | 1°59'56            | 26°15            | 12° 2           | 28°23          | 13°33          | 20° 3          | 9°33          | 11°44          | 5°44          | 20°40  | 22°56          | 21°34          | 1°41          | 15°40          | T 25 |
| W26  | 4 16 48 | 3° 0'39            | 8≈23             | 13°34           | 27°47          | 13°48          | 19°59          | 9°40          | 11°43          | 5°44          | 20°39  | 22°51          | 21°31          | 1°48          | 15°37          | W26  |
| T 27 | 4 20 44 | 4° 1'23            | 20°20            | 15° 5           | 27°13          | 14° 3          | 19°55          | 9°46          | 11°42          | 5°45          | 20°38  | 22°48          | 21°28          | 1°55          | 15°34          | T 27 |
| F 28 | 4 24 41 | 5° 2'08            | 2 <b>)</b> 12    | 16°37           | 26°39          | 14°17          | 19°52          | 9°52          | 11°40          | 5°45          | 20°38  | 22°D47         | 21°25          | 2° 2          | 15°32          | F 28 |
| S 29 | 4 28 37 | 6° 2'54            | 14° 2            | 18° 9           | 26° 6          | 14°30          | 19°48          | 9°58          | 11°39          | 5°46          | 20°37  | 22°47          | 21°22          | 2° 8          | 15°29          | S 29 |
| S 30 | 4 32 34 | 7 <b>.</b> ₹7 3'41 | 25 <b>)</b> 57   | 19 <b>×</b> 740 | 25 <b>M</b> 35 | 14 <b>Ω</b> 44 | 19 <b>9</b> 43 | 10궁 4         | 11 <b>Y</b> 38 | 5 Mp 46       | 20936  | 22 <b>Y</b> 48 | 21 <b>Y</b> 18 | 2 <b>∺</b> 15 | 15 <b>8</b> 26 | S 30 |

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| Day  | Sid.t   | 0                 | D               | ğ              | φ              | ♂ <sup>™</sup> | 4      | ħ              | 'n             | ¥              | В      | ß              | ಬ              | Ç             | ۴o             | Day  |
|------|---------|-------------------|-----------------|----------------|----------------|----------------|--------|----------------|----------------|----------------|--------|----------------|----------------|---------------|----------------|------|
| M 1  | 4 36 30 | 8 <b>∡</b> 7 4'29 | 8 <b>Υ</b> 1    | 21 <b>×</b> 11 | 25°R 6         | 14 <b>Q</b> 56 | 19°R39 | 10 <b>ਰ</b> 11 | 11°R37         | 5 <b>m</b> /46 | 20°R35 | 22 <b>Y</b> 50 | 21 <b>Y</b> 15 | 2 <b>)</b> 22 | 15°R23         | M 1  |
| T 2  | 4 40 27 | 9° 5'18           | 20°18           | 22°42          | 24 <b>M</b> 38 | 15° 8          | 19935  | 10°17          | 11 <b>Y</b> 36 | 5°46           | 20934  | 22°R51         | 21°12          | 2°28          | 15 <b>8</b> 20 | T 2  |
| W 3  | 4 44 23 | 10° 6'08          | 2 <b>8</b> 54   | 24°13          | 24°12          | 15°19          | 19°30  | 10°24          | 11°35          | 5°47           | 20°33  | 22°50          | 21° 9          | 2°35          | 15°18          | W 3  |
| T 4  | 4 48 20 | 11° 6'59          | 15°50           | 25°43          | 23°48          | 15°30          | 19°25  | 10°30          | 11°34          | 5°47           | 20°32  | 22°48          | 21° 6          | 2°42          | 15°15          | T 4  |
| F 5  | 4 52 17 | 12° 7'51          | 29° 8           | 27°13          | 23°27          | 15°40          | 19°20  | 10°37          | 11°33          | 5°47           | 20°31  | 22°43          | 21° 2          | 2°48          | 15°12          | F 5  |
| S 6  | 4 56 13 | 13° 8'44          | 12 <b>∏</b> 48  | 28°42          | 23° 8          | 15°49          | 19°15  | 10°43          | 11°33          | 5°47           | 20°30  | 22°36          | 20°59          | 2°55          | 15°10          | S 6  |
| S 7  | 5 0 10  | 14° 9'38          | 26°45           | 0 <b>ਰ</b> 11  | 22°51          | 15°58          | 19° 9  | 10°50          | 11°32          | 5°47           | 20°29  | 22°27          | 20°56          | 3° 2          | 15° 7          | S 7  |
| M 8  | 5 4 6   | 15°10'33          | 10957           | 1°40           | 22°37          | 16° 6          | 19° 4  | 10°56          | 11°31          | 5°47           | 20°28  | 22°18          | 20°53          | 3° 8          | 15° 5          | M 8  |
| T 9  | 5 8 3   | 16°11'29          | 25°17           | 3° 7           | 22°25          | 16°14          | 18°58  | 11° 3          | 11°31          | 5°R47          | 20°27  | 22°10          | 20°50          | 3°15          | 15° 2          | T 9  |
| W10  | 5 11 59 | 17°12'27          | 9 <b>Ω</b> 40   | 4°34           | 22°15          | 16°21          | 18°52  | 11°10          | 11°30          | 5°47           | 20°26  | 22° 3          | 20°47          | 3°22          | 15° 0          | W10  |
| T 11 | 5 15 56 | 18°13'25          | 24° 1           | 6° 0           | 22° 8          | 16°27          | 18°46  | 11°16          | 11°29          | 5°47           | 20°25  | 21°58          | 20°43          | 3°29          | 14°57          | T 11 |
| F 12 | 5 19 52 | 19°14'24          | 8 <b>m</b> ) 15 | 7°25           | 22° 4          | 16°32          | 18°40  | 11°23          | 11°29          | 5°47           | 20°24  | 21°55          | 20°40          | 3°35          | 14°55          | F 12 |
| S 13 | 5 23 49 | 20°15'25          | 22°22           | 8°48           | 22°D 2         | 16°37          | 18°34  | 11°30          | 11°28          | 5°47           | 20°23  | 21°D55         | 20°37          | 3°42          | 14°52          | S 13 |
| S 14 | 5 27 46 | 21°16'27          | 6 <u>₽</u> 20   | 10°10          | 22° 3          | 16°41          | 18°28  | 11°37          | 11°28          | 5°47           | 20°22  | 21°55          | 20°34          | 3°49          | 14°50          | S 14 |
| M15  | 5 31 42 | 22°17'29          | 20° 8           | 11°30          | 22° 6          | 16°44          | 18°21  | 11°44          | 11°28          | 5°47           | 20°21  | 21°R56         | 20°31          | 3°55          | 14°48          | M15  |
| T 16 | 5 35 39 | 23°18'33          | 3 <b>M</b> .47  | 12°48          | 22°11          | 16°46          | 18°14  | 11°50          | 11°27          | 5°46           | 20°20  | 21°55          | 20°27          | 4° 2          | 14°45          | T 16 |
| W17  | 5 39 35 | 24°19'38          | 17°17           | 14° 4          | 22°19          | 16°48          | 18° 8  | 11°57          | 11°27          | 5°46           | 20°19  | 21°52          | 20°24          | 4° 9          | 14°43          | W17  |
| T 18 | 5 43 32 | 25°20'43          | 0 <b>х</b> 36   | 15°16          | 22°29          | 16°49          | 18° 1  | 12° 4          | 11°27          | 5°46           | 20°18  | 21°47          | 20°21          | 4°15          | 14°41          | T 18 |
| F 19 | 5 47 28 | 26°21'50          | 13°45           | 16°25          | 22°41          | 16°R49         | 17°54  | 12°11          | 11°27          | 5°45           | 20°17  | 21°38          | 20°18          | 4°22          | 14°39          | F 19 |
| S 20 | 5 51 25 | 27°22'57          | 26°42           | 17°30          | 22°55          | 16°48          | 17°46  | 12°18          | 11°27          | 5°45           | 20°15  | 21°27          | 20°15          | 4°29          | 14°37          | S 20 |
| S 21 | 5 55 21 | 28°24'04          | 9 <b>ප</b> 26   | 18°30          | 23°12          | 16°46          | 17°39  | 12°25          | 11°D27         | 5°45           | 20°14  | 21°15          | 20°12          | 4°35          | 14°35          | S 21 |
| M22  | 5 59 18 | 29°25'12          | 21°56           | 19°25          | 23°30          | 16°44          | 17°32  | 12°32          | 11°27          | 5°44           | 20°13  | 21° 2          | 20° 8          | 4°42          | 14°33          | M22  |
| T 23 | 6 3 15  | 0る26'21           | 4≈13            | 20°14          | 23°51          | 16°41          | 17°24  | 12°39          | 11°27          | 5°44           | 20°12  | 20°50          | 20° 5          | 4°49          | 14°31          | T 23 |
| W24  | 6 7 11  | 1°27'29           | 16°18           | 20°56          | 24°13          | 16°37          | 17°17  | 12°46          | 11°27          | 5°43           | 20°11  | 20°39          | 20° 2          | 4°55          | 14°29          | W24  |
| T 25 | 6 11 8  | 2°28'38           | 28°14           | 21°30          | 24°37          | 16°32          | 17° 9  | 12°53          | 11°27          | 5°43           | 20° 9  | 20°31          | 19°59          | 5° 2          | 14°27          | T 25 |
| F 26 | 6 15 4  | 3°29'47           | 10 <b>)</b> € 3 | 21°55          | 25° 3          | 16°26          | 17° 2  | 13° 0          | 11°27          | 5°42           | 20° 8  | 20°26          | 19°56          | 5° 9          | 14°26          | F 26 |
| S 27 | 6 19 1  | 4°30'56           | 21°52           | 22°11          | 25°31          | 16°20          | 16°54  | 13° 7          | 11°27          | 5°42           | 20° 7  | 20°23          | 19°53          | 5°15          | 14°24          | S 27 |
| S 28 | 6 22 57 | 5°32'05           | <b>3</b> Υ44    | 22°R16         | 26° 0          | 16°13          | 16°46  | 13°14          | 11°28          | 5°41           | 20° 6  | 20°D23         | 19°49          | 5°22          | 14°22          | S 28 |
| M29  | 6 26 54 | 6°33'13           | 15°44           | 22°11          | 26°31          | 16° 5          | 16°38  | 13°21          | 11°28          | 5°40           | 20° 4  | 20°R23         | 19°46          | 5°29          | 14°21          | M29  |
| T 30 | 6 30 50 | 7°34'22           | 28° 0           | 21°53          | 27° 3          | 15°56          | 16°30  | 13°28          | 11°28          | 5°40           | 20° 3  | 20°23          | 19°43          | 5°36          | 14°19          | T 30 |
| W31  | 6 34 47 | 8 <b>ට</b> 35'31  | 10835           | 21 <b>る</b> 24 | 27 <b>M</b> 37 | 15 <b>Ω</b> 46 | 169522 | 13 <b>る</b> 35 | 11 <b>Υ</b> 29 | 5 <b>m</b> 39  | 20ණ 2  | 20 <b>Υ</b> 21 | 19 <b>Y</b> 40 | 5 <b>)</b> 42 | 14 <b>8</b> 18 | W31  |

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| Day  | Sid.t   | 0                | D              | ğ              | φ              | ð              | 4      | ħ              | )f(            | Ħ             | Р      | v              | u              | Ç              | ę,     | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|--------|----------------|----------------|---------------|--------|----------------|----------------|----------------|--------|------|
| T 1  | 6 38 44 | 9 <b>ට</b> 36'39 | 23 <b>8</b> 35 | 20°R43         | 28 <b>M</b> 13 | 15°R35         | 16°R14 | 13 <b>る</b> 42 | 11 <b>Υ</b> 29 | 5°R38         | 20°R 1 | 20°R17         | 19 <b>°</b> 37 | 5 <b>)</b> (49 | 14°R16 | T 1  |
| F 2  | 6 42 40 | 10°37'48         | 7 <b>Π</b> 1   | 19 <b>る</b> 50 | 28°49          | 15 <b>Ω</b> 24 | 1695 6 | 13°50          | 11°30          | 5 <b>m</b> 37 | 199559 | 20 <b>Υ</b> 11 | 19°34          | 5°56           | 14815  | F 2  |
| S 3  | 6 46 37 | 11°38'56         | 20°54          | 18°48          | 29°27          | 15°12          | 15°58  | 13°57          | 11°31          | 5°37          | 19°58  | 20° 1          | 19°30          | 6° 2           | 14°14  | S 3  |
| S 4  | 6 50 33 | 12°40'05         | 59912          | 17°38          | 0 <b>∡</b> 7 7 | 14°59          | 15°50  | 14° 4          | 11°31          | 5°36          | 19°57  | 19°50          | 19°27          | 6° 9           | 14°12  | S 4  |
| M 5  | 6 54 30 | 13°41'13         | 19°49          | 16°22          | 0°47           | 14°45          | 15°42  | 14°11          | 11°32          | 5°35          | 19°56  | 19°38          | 19°24          | 6°16           | 14°11  | M 5  |
| T 6  | 6 58 26 | 14°42'21         | $4\Omega$ 37   | 15° 2          | 1°29           | 14°31          | 15°34  | 14°18          | 11°33          | 5°34          | 19°54  | 19°26          | 19°21          | 6°22           | 14°10  | T 6  |
| W 7  | 7 2 23  | 15°43'30         | 19°28          | 13°41          | 2°11           | 14°15          | 15°26  | 14°25          | 11°34          | 5°33          | 19°53  | 19°16          | 19°18          | 6°29           | 14° 9  | W 7  |
| T 8  | 7 6 20  | 16°44'38         | 4 Mp 14        | 12°22          | 2°55           | 13°59          | 15°18  | 14°32          | 11°35          | 5°32          | 19°52  | 19°8           | 19°14          | 6°36           | 14° 8  | T 8  |
| F 9  | 7 10 16 | 17°45'46         | 18°47          | 11° 7          | 3°40           | 13°43          | 15°10  | 14°39          | 11°35          | 5°31          | 19°51  | 19° 4          | 19°11          | 6°42           | 14° 7  | F 9  |
| S 10 | 7 14 13 | 18°46'54         | 3 <b>º</b> 4   | 9°58           | 4°26           | 13°25          | 15° 2  | 14°46          | 11°36          | 5°30          | 19°49  | 19° 2          | 19° 8          | 6°49           | 14° 6  | S 10 |
| S 11 | 7 18 9  | 19°48'02         | 17° 3          | 8°56           | 5°13           | 13° 7          | 14°54  | 14°53          | 11°37          | 5°29          | 19°48  | 19° 2          | 19° 5          | 6°56           | 14° 5  | S 11 |
| M12  | 7 22 6  | 20°49'11         | 0 <b>M</b> .45 | 8° 3           | 6° 1           | 12°49          | 14°46  | 15° 1          | 11°39          | 5°28          | 19°47  | 19° 1          | 19° 2          | 7° 2           | 14° 4  | M12  |
| T 13 | 7 26 2  | 21°50'19         | 14°11          | 7°20           | 6°49           | 12°29          | 14°38  | 15° 8          | 11°40          | 5°27          | 19°45  | 19° 0          | 18°59          | 7° 9           | 14° 4  | T 13 |
| W14  | 7 29 59 | 22°51'27         | 27°22          | 6°47           | 7°39           | 12° 9          | 14°30  | 15°15          | 11°41          | 5°26          | 19°44  | 18°57          | 18°55          | 7°16           | 14° 3  | W14  |
| T 15 | 7 33 55 | 23°52'35         | 10 <b>×</b> 21 | 6°23           | 8°29           | 11°49          | 14°22  | 15°22          | 11°42          | 5°25          | 19°43  | 18°50          | 18°52          | 7°22           | 14° 2  | T 15 |
| F 16 | 7 37 52 | 24°53'43         | 23° 8          | 6° 8           | 9°20           | 11°28          | 14°14  | 15°29          | 11°43          | 5°23          | 19°42  | 18°40          | 18°49          | 7°29           | 14° 2  | F 16 |
| S 17 | 7 41 49 | 25°54'51         | 5 <b>₹</b> 45  | 6°D 3          | 10°12          | 11° 6          | 14° 6  | 15°36          | 11°45          | 5°22          | 19°40  | 18°28          | 18°46          | 7°36           | 14° 1  | S 17 |
| S 18 | 7 45 45 | 26°55'58         | 18°12          | 6° 6           | 11° 5          | 10°44          | 13°58  | 15°43          | 11°46          | 5°21          | 19°39  | 18°14          | 18°43          | 7°43           | 14° 1  | S 18 |
| M19  | 7 49 42 | 27°57'04         | 0≈29           | 6°17           | 11°58          | 10°22          | 13°50  | 15°50          | 11°47          | 5°20          | 19°38  | 17°59          | 18°40          | 7°49           | 14° 1  | M19  |
| T 20 | 7 53 38 | 28°58'10         | 12°36          | 6°35           | 12°52          | 9°59           | 13°43  | 15°57          | 11°49          | 5°19          | 19°36  | 17°45          | 18°36          | 7°56           | 14° 0  | T 20 |
| W21  | 7 57 35 | 29°59'16         | 24°35          | 7° 0           | 13°46          | 9°36           | 13°35  | 16° 4          | 11°50          | 5°17          | 19°35  | 17°33          | 18°33          | 8° 3           | 14° 0  | W21  |
| T 22 | 8 131   | 1≈ 0'20          | 6 <b>)</b> €28 | 7°31           | 14°42          | 9°13           | 13°28  | 16°11          | 11°52          | 5°16          | 19°34  | 17°24          | 18°30          | 8° 9           | 14° 0  | T 22 |
| F 23 | 8 5 28  | 2° 1'23          | 18°16          | 8° 7           | 15°37          | 8°49           | 13°21  | 16°18          | 11°54          | 5°15          | 19°33  | 17°17          | 18°27          | 8°16           | 14° 0  | F 23 |
| S 24 | 8 9 24  | 3° 2'26          | o <b>Υ</b> 3   | 8°49           | 16°33          | 8°25           | 13°13  | 16°25          | 11°55          | 5°13          | 19°31  | 17°14          | 18°24          | 8°23           | 14°D 0 | S 24 |
| S 25 | 8 13 21 | 4° 3'27          | 11°53          | 9°34           | 17°30          | 8° 1           | 13° 6  | 16°32          | 11°57          | 5°12          | 19°30  | 17°D12         | 18°20          | 8°29           | 14° 0  | S 25 |
| M26  | 8 17 18 | 5° 4'28          | 23°51          | 10°24          | 18°28          | 7°37           | 12°59  | 16°39          | 11°59          | 5°11          | 19°29  | 17°12          | 18°17          | 8°36           | 14° 0  | M26  |
| T 27 | 8 21 14 | 6° 5'27          | 6 <b>8</b> 3   | 11°18          | 19°25          | 7°13           | 12°52  | 16°45          | 12° 1          | 5° 9          | 19°28  | 17°R12         | 18°14          | 8°43           | 14° 0  | T 27 |
| W28  | 8 25 11 | 7° 6'26          | 18°34          | 12°14          | 20°24          | 6°49           | 12°45  | 16°52          | 12° 2          | 5° 8          | 19°26  | 17°12          | 18°11          | 8°49           | 14° 1  | W28  |
| T 29 | 8 29 7  | 8° 7'23          | 1Ⅲ28           | 13°14          | 21°23          | 6°25           | 12°39  | 16°59          | 12° 4          | 5° 6          | 19°25  | 17° 9          | 18° 8          | 8°56           | 14° 1  | T 29 |
| F 30 | 8 33 4  | 9° 8'19          | 14°51          | 14°17          | 22°22          | 6° 1           | 12°32  | 17° 6          | 12° 6          | 5° 5          | 19°24  | 17° 4          | 18° 5          | 9° 3           | 14° 1  | F 30 |
| S 31 | 8 37 0  | 10≈ 9'13         | 28 <b>Ⅱ</b> 44 | 15 <b>る</b> 22 | 23 <b>×</b> 21 | 5 <b>Ω</b> 37  | 129526 | 17 <b>る</b> 13 | 12 <b>Y</b> 8  | 5 Mg 3        | 199523 | 16 <b>Y</b> 57 | 18 <b>Y</b> 1  | 9 <b>米</b> 9   | 148 2  | S 31 |

Delta T = 24.41 sec

FEBRUARY 1931 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | φ               | ♂             | 4      | ħ              | )f(            | ¥              | Р      | G.             | Ω              | Ç              | ķ             | Day  |
|------|----------|------------------|-----------------|----------------|-----------------|---------------|--------|----------------|----------------|----------------|--------|----------------|----------------|----------------|---------------|------|
| S 1  | 8 40 57  | 11≈10'07         | 1395 6          | 16 <b>궁</b> 29 | 24 <b>×</b> 122 | 5°R14         | 12°R19 | 17 <b>る</b> 19 | 12 <b>Y</b> 10 | 5°R 2          | 19°R22 | 16°R48         | 17 <b>Y</b> 58 | 9 <b>)</b> 16  | 14 <b>8</b> 2 | S 1  |
| M 2  | 8 44 53  | 12°10'59         | 27°52           | 17°38          | 25°22           | 4 <b>Ω</b> 51 | 129513 | 17°26          | 12°12          | 5 <b>m</b> ) 0 | 199520 | 16 <b>Y</b> 37 | 17°55          | 9°23           | 14° 3         | M 2  |
| T 3  | 8 48 50  | 13°11'50         | $12\Omega57$    | 18°50          | 26°23           | 4°27          | 12° 7  | 17°33          | 12°14          | 4°59           | 19°19  | 16°27          | 17°52          | 9°29           | 14° 3         | T 3  |
| W 4  | 8 52 47  | 14°12'40         | 28° 8           | 20° 3          | 27°24           | 4° 5          | 12° 1  | 17°39          | 12°16          | 4°57           | 19°18  | 16°19          | 17°49          | 9°36           | 14° 4         | W 4  |
| T 5  | 8 56 43  | 15°13'29         | 13 <b>m</b> 17  | 21°18          | 28°26           | 3°42          | 11°56  | 17°46          | 12°19          | 4°56           | 19°17  | 16°12          | 17°46          | 9°43           | 14° 5         | T 5  |
| F 6  | 9 0 40   | 16°14'17         | 28°13           | 22°34          | 29°28           | 3°20          | 11°50  | 17°52          | 12°21          | 4°54           | 19°16  | 16° 9          | 17°42          | 9°49           | 14° 5         | F 6  |
| S 7  | 9 4 36   | 17°15'04         | 12 <b>≏</b> 49  | 23°52          | 0 <b>궁</b> 30   | 2°59          | 11°45  | 17°59          | 12°23          | 4°53           | 19°15  | 16°D 7         | 17°39          | 9°56           | 14° 6         | S 7  |
| S 8  | 9 8 33   | 18°15'49         | 27° 3           | 25°11          | 1°33            | 2°38          | 11°40  | 18° 5          | 12°25          | 4°51           | 19°14  | 16° 8          | 17°36          | 10° 3          | 14° 7         | S 8  |
| M 9  | 9 12 29  | 19°16'34         | 10ML52          | 26°32          | 2°36            | 2°17          | 11°34  | 18°12          | 12°28          | 4°49           | 19°13  | 16° 8          | 17°33          | 10° 9          | 14° 8         | M 9  |
| T 10 | 9 16 26  | 20°17'18         | 24°19           | 27°54          | 3°39            | 1°57          | 11°30  | 18°18          | 12°30          | 4°48           | 19°11  | 16°R 9         | 17°30          | 10°16          | 14° 9         | T 10 |
| W11  | 9 20 22  | 21°18'01         | 7 <b>.₹</b> 25  | 29°17          | 4°43            | 1°38          | 11°25  | 18°25          | 12°32          | 4°46           | 19°10  | 16° 7          | 17°26          | 10°23          | 14°10         | W11  |
| T 12 | 9 24 19  | 22°18'43         | 20°13           | 0≈41           | 5°47            | 1°19          | 11°20  | 18°31          | 12°35          | 4°45           | 19° 9  | 16° 3          | 17°23          | 10°29          | 14°12         | T 12 |
| F 13 | 9 28 16  | 23°19'24         | 2 <b>る</b> 47   | 2° 6           | 6°51            | 1° 0          | 11°16  | 18°37          | 12°37          | 4°43           | 19° 8  | 15°57          | 17°20          | 10°36          | 14°13         | F 13 |
| S 14 | 9 32 12  | 24°20'04         | 15° 9           | 3°32           | 7°55            | 0°43          | 11°12  | 18°43          | 12°40          | 4°41           | 19° 7  | 15°49          | 17°17          | 10°43          | 14°14         | S 14 |
| S 15 | 9 36 9   | 25°20'42         | 27°21           | 4°59           | 9° 0            | 0°26          | 11°8   | 18°50          | 12°42          | 4°40           | 19° 6  | 15°40          | 17°14          | 10°49          | 14°15         | S 15 |
| M16  | 9 40 5   | 26°21'19         | 9≈25            | 6°27           | 10° 5           | 0° 9          | 11° 4  | 18°56          | 12°45          | 4°38           | 19° 5  | 15°30          | 17°11          | 10°56          | 14°17         | M16  |
| T 17 | 9 44 2   | 27°21'54         | 21°23           | 7°57           | 11°10           | 299554        | 11° 0  | 19° 2          | 12°48          | 4°36           | 19° 4  | 15°20          | 17° 7          | 11° 3          | 14°18         | T 17 |
| W18  | 9 47 58  | 28°22'28         | 3 <b>∺</b> 16   | 9°27           | 12°15           | 29°39         | 10°57  | 19° 8          | 12°50          | 4°35           | 19° 3  | 15°12          | 17° 4          | 11° 9          | 14°20         | W18  |
| T 19 | 9 51 55  | 29°23'00         | 15° 5           | 10°58          | 13°21           | 29°25         | 10°53  | 19°14          | 12°53          | 4°33           | 19° 2  | 15° 5          | 17° 1          | 11°16          | 14°21         | T 19 |
| F 20 | 9 55 51  | 0 <b>∺</b> 23'31 | 26°53           | 12°30          | 14°27           | 29°12         | 10°50  | 19°20          | 12°56          | 4°31           | 19° 1  | 15° 1          | 16°58          | 11°23          | 14°23         | F 20 |
| S 21 | 9 59 48  | 1°24'00          | 8 <b>Ƴ</b> 41   | 14° 3          | 15°33           | 28°59         | 10°47  | 19°26          | 12°58          | 4°30           | 19° 1  | 14°59          | 16°55          | 11°29          | 14°25         | S 21 |
| S 22 | 10 3 45  | 2°24'27          | 20°34           | 15°37          | 16°39           | 28°47         | 10°44  | 19°32          | 13° 1          | 4°28           | 19° 0  | 14°D59         | 16°51          | 11°36          | 14°26         | S 22 |
| M23  | 10 741   | 3°24'53          | 2 <b>8</b> 34   | 17°12          | 17°45           | 28°36         | 10°42  | 19°38          | 13° 4          | 4°26           | 18°59  | 15° 0          | 16°48          | 11°43          | 14°28         | M23  |
| T 24 | 10 11 38 | 4°25'16          | 14°46           | 18°48          | 18°52           | 28°26         | 10°40  | 19°43          | 13° 7          | 4°25           | 18°58  | 15° 2          | 16°45          | 11°49          | 14°30         | T 24 |
| W25  | 10 15 34 | 5°25'38          | 27°15           | 20°25          | 19°58           | 28°17         | 10°37  | 19°49          | 13°10          | 4°23           | 18°57  | 15° 3          | 16°42          | 11°56          | 14°32         | W25  |
| T 26 | 10 19 31 | 6°25'58          | 10 <b>I</b> I 4 | 22° 3          | 21° 5           | 28° 8         | 10°36  | 19°55          | 13°13          | 4°21           | 18°56  | 15°R 3         | 16°39          | 12° 3          | 14°34         | T 26 |
| F 27 | 10 23 27 | 7°26'15          | 23°19           | 23°42          | 2 <u>2</u> °12  | 28° 1         | 10°34  | 2 <u>0°</u> 0  | 13°15          | 4°20           | 18°55  | 15° 2          | 16°36          | 12° 9          | 14°36         | F 27 |
| S 28 | 10 27 24 | 8 <b>米</b> 26'31 | 7 <b>95</b> 3   | 25≈22          | 23 <b>궁</b> 20  | 279554        | 10932  | 20궁 6          | 13 <b>Y</b> 18 | 4 Mp 18        | 18955  | 14 <b>Y</b> 59 | 16 <b>Y</b> 32 | 12 <b>米</b> 16 | 14838         | S 28 |

MARCH 1931 00:00 UT

| Day  | Sid.t    | $\odot$          | D               | ğ              | φ              | ♂             | 4      | ħ              | )f(            | 卉               | Р      | v              | Ω              | Ç               | ę,            | Day  |
|------|----------|------------------|-----------------|----------------|----------------|---------------|--------|----------------|----------------|-----------------|--------|----------------|----------------|-----------------|---------------|------|
| S 1  | 10 31 20 | 9 <b>米</b> 26'45 | 219915          | 27≈ 3          | 24 <b>궁</b> 27 | 27°R47        | 10°R31 | 20 <b>ට</b> 11 | 13 <b>Υ</b> 21 | 4°R16           | 18°R54 | 14°R55         | 16 <b>Y</b> 29 | 12 <b>)</b> 23  | 14840         | S 1  |
| M 2  | 10 35 17 | 10°26'57         | 5 <b>Ω</b> 54   | 28°45          | 25°35          | 279542        | 10930  | 20°16          | 13°24          | 4 Mp 15         | 18953  | 14 <b>Y</b> 50 | 16°26          | 12°29           | 14°42         | M 2  |
| T 3  | 10 39 14 | 11°27'06         | 20°55           | 0 <b>∺</b> 28  | 26°42          | 27°37         | 10°29  | 20°22          | 13°27          | 4°13            | 18°52  | 14°45          | 16°23          | 12°36           | 14°45         | T 3  |
| W 4  | 10 43 10 | 12°27'14         | 6MD 9           | 2°12           | 27°50          | 27°34         | 10°28  | 20°27          | 13°30          | 4°11            | 18°52  | 14°40          | 16°20          | 12°43           | 14°47         | W 4  |
| T 5  | 10 47 7  | 13°27'20         | 21°25           | 3°57           | 28°58          | 27°31         | 10°27  | 20°32          | 13°33          | 4°10            | 18°51  | 14°37          | 16°17          | 12°50           | 14°49         | T 5  |
| F 6  | 10 51 3  | 14°27'23         | 6 <b>₽</b> 35   | 5°44           | 0≈ 6           | 27°28         | 10°27  | 20°37          | 13°37          | 4° 8            | 18°50  | 14°36          | 16°13          | 12°56           | 14°52         | F 6  |
| S 7  | 10 55 0  | 15°27'26         | 21°28           | 7°31           | 1°15           | 27°27         | 10°D27 | 20°43          | 13°40          | 4° 6            | 18°50  | 14°D36         | 16°10          | 13° 3           | 14°54         | S 7  |
| S 8  | 10 58 56 | 16°27'26         | 5 <b>M</b> .58  | 9°19           | 2°23           | 27°26         | 10°27  | 20°48          | 13°43          | 4° 5            | 18°49  | 14°37          | 16° 7          | 13°10           | 14°57         | S 8  |
| M 9  | 11 2 53  | 17°27'25         | 20° 2           | 11° 9          | 3°32           | 27°D26        | 10°27  | 20°52          | 13°46          | 4° 3            | 18°49  | 14°38          | 16° 4          | 13°16           | 14°59         | M 9  |
| T 10 | 11 6 49  | 18°27'22         | 3 <b>,</b> ₹39  | 12°59          | 4°40           | 27°27         | 10°28  | 20°57          | 13°49          | 4° 2            | 18°48  | 14°40          | 16° 1          | 13°23           | 15° 2         | T 10 |
| W11  | 11 10 46 | 19°27'18         | 16°50           | 14°51          | 5°49           | 27°28         | 10°28  | 21° 2          | 13°52          | 4° 0            | 18°47  | 14°R40         | 15°57          | 13°30           | 15° 4         | W11  |
| T 12 | 11 14 43 | 20°27'12         | 29°40           | 16°44          | 6°58           | 27°30         | 10°29  | 21° 7          | 13°55          | 3°58            | 18°47  | 14°40          | 15°54          | 13°36           | 15° 7         | T 12 |
| F 13 | 11 18 39 | 21°27'05         | 12 <b>る</b> 10  | 18°38          | 8° 7           | 27°33         | 10°30  | 21°12          | 13°59          | 3°57            | 18°46  | 14°39          | 15°51          | 13°43           | 15°10         | F 13 |
| S 14 | 11 22 36 | 22°26'56         | 24°25           | 20°33          | 9°16           | 27°36         | 10°31  | 21°16          | 14° 2          | 3°55            | 18°46  | 14°36          | 15°48          | 13°50           | 15°13         | S 14 |
| S 15 | 11 26 32 | 23°26'45         | 6≈29            | 22°29          | 10°25          | 27°41         | 10°33  | 21°21          | 14° 5          | 3°54            | 18°46  | 14°33          | 15°45          | 13°56           | 15°15         | S 15 |
| M16  | 11 30 29 | 24°26'32         | 18°26           | 24°26          | 11°35          | 27°45         | 10°34  | 21°25          | 14° 8          | 3°52            | 18°45  | 14°29          | 15°42          | 14° 3           | 15°18         | M16  |
| T 17 | 11 34 25 | 25°26'17         | 0 <b>) (</b> 17 | 26°24          | 12°44          | 27°51         | 10°36  | 21°29          | 14°12          | 3°51            | 18°45  | 14°26          | 15°38          | 14°10           | 15°21         | T 17 |
| W18  | 11 38 22 | 26°26'00         | 12° 5           | 28°23          | 13°53          | 27°57         | 10°38  | 21°34          | 14°15          | 3°49            | 18°44  | 14°23          | 15°35          | 14°16           | 15°24         | W18  |
| T 19 | 11 42 18 | 27°25'42         | 23°53           | 0 <b>Υ</b> 22  | 15° 3          | 28° 4         | 10°40  | 21°38          | 14°18          | 3°47            | 18°44  | 14°21          | 15°32          | 14°23           | 15°27         | T 19 |
| F 20 | 11 46 15 | 28°25'21         | 5 <b>Ƴ</b> 44   | 2°22           | 16°13          | 28°11         | 10°42  | 21°42          | 14°22          | 3°46            | 18°44  | 14°20          | 15°29          | 14°29           | 15°30         | F 20 |
| S 21 | 11 50 12 | 29°24'59         | 17°38           | 4°23           | 17°22          | 28°19         | 10°45  | 21°46          | 14°25          | 3°44            | 18°43  | 14°D20         | 15°26          | 14°36           | 15°33         | S 21 |
| S 22 | 11 54 8  | 0 <b>Υ</b> 24'34 | 29°38           | 6°24           | 18°32          | 28°28         | 10°48  | 21°50          | 14°28          | 3°43            | 18°43  | 14°21          | 15°23          | 14°43           | 15°36         | S 22 |
| M23  | 11 58 5  | 1°24'07          | 11846           | 8°25           | 19°42          | 28°37         | 10°51  | 21°54          | 14°32          | 3°42            | 18°43  | 14°22          | 15°19          | 14°49           | 15°39         | M23  |
| T 24 | 12 2 1   | 2°23'38          | 24° 6           | 10°25          | 20°52          | 28°47         | 10°54  | 21°58          | 14°35          | 3°40            | 18°42  | 14°23          | 15°16          | 14°56           | 15°42         | T 24 |
| W25  | 12 5 58  | 3°23'07          | 6 <b>Ⅱ</b> 41   | 12°25          | 22° 2          | 28°58         | 10°57  | 22° 2          | 14°38          | 3°39            | 18°42  | 14°24          | 15°13          | 15° 3           | 15°46         | W25  |
| T 26 | 12 9 54  | 4°22'34          | 19°32           | 14°25          | 23°12          | 29° 9         | 11° 0  | 22° 5          | 14°42          | 3°37            | 18°42  | 14°25          | 15°10          | 15° 9           | 15°49         | T 26 |
| F 27 | 12 13 51 | 5°21'58          | 29544           | 16°23          | 24°23          | 29°20         | 11° 4  | 22° 9          | 14°45          | 3°36            | 18°42  | 14°R25         | 15° 7          | 15°16           | 15°52         | F 27 |
| S 28 | 12 17 47 | 6°21'20          | 16°19           | 18°19          | 25°33          | 29°32         | 11° 8  | 22°12          | 14°49          | 3°35            | 18°42  | 14°25          | 15° 3          | 15°23           | 15°56         | S 28 |
| S 29 | 12 21 44 | 7°20'39          | 0 <b>Ω</b> 18   | 20°14          | 26°43          | 29°45         | 11°12  | 22°16          | 14°52          | 3°33            | 18°42  | 14°24          | 15° 0          | 15°29           | 15°59         | S 29 |
| M30  | 12 25 41 | 8°19'57          | 14°41           | 22° 7          | 27°54          | 29°58         | 11°16  | 22°19          | 14°55          | 3°32            | 18°42  | 14°24          | 14°57          | 15°36           | 16° 2         | M30  |
| T 31 | 12 29 37 | 9 <b>Ƴ</b> 19'12 | 29 <b>Ω</b> 24  | 23 <b>Y</b> 56 | 29≈ 4          | 0 <b>Ω</b> 11 | 119520 | 22 <b>る</b> 22 | 14 <b>Y</b> 59 | 3 <b>m</b> y 31 | 189541 | 14 <b>Y</b> 23 | 14 <b>Y</b> 54 | 15 <b>)</b> (43 | 16 <b>8</b> 6 | T 31 |

Delta T = 24.41 sec

APRIL 1931 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | φ             | ♂             | 4      | ħ              | )f(            | ¥             | В      | v              | Ω              | Ç               | Š             | Day  |
|------|----------|-------------------|----------------|----------------|---------------|---------------|--------|----------------|----------------|---------------|--------|----------------|----------------|-----------------|---------------|------|
| W 1  | 12 33 34 | 10 <b>Y</b> 18'24 | 14 Mp 23       | 25 <b>Y</b> 43 | 0 <b>)</b> 15 | 0Ω26          | 119525 | 22る25          | 15 <b>Y</b> 2  | 3°R29         | 18°R41 | 14°R23         | 14 <b>Y</b> 51 | 15 <b>)(</b> 49 | 16 <b>岁</b> 9 | W 1  |
| T 2  | 12 37 30 | 11°17'34          | 29°29          | 27°26          | 1°25          | 0°40          | 11°30  | 22°28          | 15° 6          | 3 <b>m</b> 28 | 18°D41 | 14 <b>Y</b> 22 | 14°48          | 15°56           | 16°13         | T 2  |
| F 3  | 12 41 27 | 12°16'42          | 14 <b>≏</b> 34 | 29° 6          | 2°36          | 0°55          | 11°34  | 22°31          | 15° 9          | 3°27          | 189541 | 14°D22         | 14°44          | 16° 3           | 16°16         | F 3  |
| S 4  | 12 45 23 | 13°15'49          | 29°29          | 0841           | 3°46          | 1°11          | 11°39  | 22°34          | 15°13          | 3°26          | 18°41  | 14°22          | 14°41          | 16° 9           | 16°20         | S 4  |
| S 5  | 12 49 20 | 14°14'53          | 14 <b>M</b> 6  | 2°11           | 4°57          | 1°27          | 11°45  | 22°37          | 15°16          | 3°24          | 18°41  | 14°R22         | 14°38          | 16°16           | 16°23         | S 5  |
| M 6  | 12 53 16 | 15°13'55          | 28°20          | 3°37           | 6° 8          | 1°43          | 11°50  | 22°40          | 15°19          | 3°23          | 18°42  | 14°22          | 14°35          | 16°23           | 16°27         | M 6  |
| T 7  | 12 57 13 | 16°12'56          | 12 <b>才</b> 7  | 4°57           | 7°19          | 2° 0          | 11°55  | 22°42          | 15°23          | 3°22          | 18°42  | 14°22          | 14°32          | 16°29           | 16°31         | T 7  |
| W 8  | 13 1 10  | 17°11'55          | 25°28          | 6°12           | 8°30          | 2°17          | 12° 1  | 22°45          | 15°26          | 3°21          | 18°42  | 14°22          | 14°28          | 16°36           | 16°34         | W 8  |
| T 9  | 13 5 6   | 18°10'52          | 8 <b>云</b> 23  | 7°22           | 9°41          | 2°35          | 12° 7  | 22°47          | 15°30          | 3°20          | 18°42  | 14°22          | 14°25          | 16°43           | 16°38         | T 9  |
| F 10 | 13 9 3   | 19° 9'48          | 20°57          | 8°25           | 10°52         | 2°53          | 12°13  | 22°50          | 15°33          | 3°19          | 18°42  | 14°D22         | 14°22          | 16°49           | 16°42         | F 10 |
| S 11 | 13 12 59 | 20° 8'41          | 3≈13           | 9°23           | 12° 3         | 3°11          | 12°19  | 22°52          | 15°37          | 3°18          | 18°42  | 14°22          | 14°19          | 16°56           | 16°45         | S 11 |
| S 12 | 13 16 56 | 21° 7'33          | 15°15          | 10°15          | 13°14         | 3°30          | 12°25  | 22°54          | 15°40          | 3°17          | 18°43  | 14°22          | 14°16          | 17° 3           | 16°49         | S 12 |
| M13  | 13 20 52 | 22° 6'23          | 27° 8          | 11° 1          | 14°25         | 3°49          | 12°31  | 22°56          | 15°43          | 3°16          | 18°43  | 14°23          | 14°13          | 17° 9           | 16°53         | M13  |
| T 14 | 13 24 49 | 23° 5'11          | 8 <b>米</b> 57  | 11°40          | 15°36         | 4° 8          | 12°38  | 22°58          | 15°47          | 3°15          | 18°43  | 14°24          | 14° 9          | 17°16           | 16°57         | T 14 |
| W15  | 13 28 45 | 24° 3'58          | 20°44          | 12°13          | 16°48         | 4°28          | 12°45  | 23° 0          | 15°50          | 3°14          | 18°43  | 14°25          | 14° 6          | 17°23           | 17° 1         | W15  |
| T 16 | 13 32 42 | 25° 2'42          | 2 <b>Y</b> 34  | 12°40          | 17°59         | 4°49          | 12°52  | 23° 2          | 15°54          | 3°13          | 18°44  | 14°26          | 14° 3          | 17°29           | 17° 4         | T 16 |
| F 17 | 13 36 39 | 26° 1'25          | 14°30          | 13° 0          | 19°10         | 5° 9          | 12°59  | 23° 3          | 15°57          | 3°12          | 18°44  | 14°R26         | 14° 0          | 17°36           | 17° 8         | F 17 |
| S 18 | 13 40 35 | 27° 0'06          | 26°32          | 13°15          | 20°22         | 5°30          | 13° 6  | 23° 5          | 16° 0          | 3°11          | 18°44  | 14°26          | 13°57          | 17°43           | 17°12         | S 18 |
| S 19 | 13 44 32 | 27°58'45          | 8 <b>8</b> 45  | 13°23          | 21°33         | 5°51          | 13°13  | 23° 6          | 16° 4          | 3°10          | 18°45  | 14°25          | 13°54          | 17°49           | 17°16         | S 19 |
| M20  | 13 48 28 | 28°57'22          | 21° 8          | 13°R24         | 22°44         | 6°13          | 13°20  | 23° 8          | 16° 7          | 3°10          | 18°45  | 14°23          | 13°50          | 17°56           | 17°20         | M20  |
| T 21 | 13 52 25 | 29°55'57          | 3 <b>Ⅱ</b> 44  | 13°21          | 23°56         | 6°35          | 13°28  | 23° 9          | 16°11          | 3° 9          | 18°46  | 14°21          | 13°47          | 18° 3           | 17°24         | T 21 |
| W22  | 13 56 21 | 0 <b>8</b> 54'30  | 16°33          | 13°11          | 25° 7         | 6°57          | 13°36  | 23°10          | 16°14          | 3° 8          | 18°46  | 14°18          | 13°44          | 18° 9           | 17°28         | W22  |
| T 23 | 14 0 18  | 1°53'01           | 29°37          | 12°56          | 26°19         | 7°20          | 13°43  | 23°11          | 16°17          | 3° 7          | 18°47  | 14°16          | 13°41          | 18°16           | 17°32         | T 23 |
| F 24 | 14 4 14  | 2°51'29           | 129556         | 12°36          | 27°30         | 7°43          | 13°51  | 23°12          | 16°21          | 3° 7          | 18°47  | 14°14          | 13°38          | 18°23           | 17°36         | F 24 |
| S 25 | 14 8 11  | 3°49'56           | 26°31          | 12°12          | 28°42         | 8° 6          | 13°59  | 23°13          | 16°24          | 3° 6          | 18°48  | 14°13          | 13°34          | 18°29           | 17°40         | S 25 |
| S 26 | 14 12 8  | 4°48'20           | 10 <b>Ω</b> 24 | 11°44          | 29°54         | 8°29          | 14° 8  | 23°14          | 16°27          | 3° 5          | 18°48  | 14°D13         | 13°31          | 18°36           | 17°44         | S 26 |
| M27  | 14 16 4  | 5°46'43           | 24°32          | 11°12          | 1 <b>Υ</b> 5  | 8°53          | 14°16  | 23°15          | 16°30          | 3° 5          | 18°49  | 14°14          | 13°28          | 18°43           | 17°48         | M27  |
| T 28 | 14 20 1  | 6°45'03           | 8 <b>m</b> 56  | 10°38          | 2°17          | 9°17          | 14°24  | 23°15          | 16°34          | 3° 4          | 18°49  | 14°15          | 13°25          | 18°49           | 17°52         | T 28 |
| W29  | 14 23 57 | 7°43'20           | 23°31          | 10° 1          | 3°29          | 9°41          | 14°33  | 23°16          | 16°37          | 3° 4          | 18°50  | 14°17          | 13°22          | 18°56           | 17°56         | W29  |
| T 30 | 14 27 54 | 8 <b>8</b> 41'36  | 8 <b>≏</b> 14  | 9 <b>8</b> 23  | <b>4</b> Υ40  | 10 <b>N</b> 5 | 149542 | 23 <b>궁</b> 16 | 16 <b>Y</b> 40 | 3 Mg 3        | 18951  | 14°R18         | 13 <b>Υ</b> 19 | 19 <b>∺</b> 3   | 18 <b>8</b> 0 | T 30 |

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| Day          | Sid.t                | 0                             | D                          | Ϋ́             | Ŷ                    | ð               | 4              | ħ              | )Å(            | 卉            | Р              | N.              | v              | Ç                  | o<br>k         | Day          |
|--------------|----------------------|-------------------------------|----------------------------|----------------|----------------------|-----------------|----------------|----------------|----------------|--------------|----------------|-----------------|----------------|--------------------|----------------|--------------|
| F 1          | 14 31 50             | 9 <b>8</b> 39'50              | 23 <b>♀</b> 0              | 8°R44          | 5 <b>Υ</b> 52        | 10 <b>Ω</b> 30  | 14950          | 23 <b>궁</b> 16 | 16 <b>Υ</b> 43 | 3°R 3        | 18951          | 14°R17          | 13 <b>Y</b> 15 | 19 <b>米</b> 9      | 18 <b>8</b> 4  | F 1          |
| S 2          | 14 35 47             | 10°38'02                      | 7 <b>M</b> 40              | 8 <b>8</b> 5   | 7° 4                 | 10°55           | 14°59          | 23°17          | 16°47          | 3 Mg 2       | 18°52          | 14 <b>Y</b> 16  | 13°12          | 19°16              | 18° 8          | S 2          |
| S 3          | 14 39 43             | 11°36'13                      | 22° 9                      | 7°26           | 8°16                 | 11°20           | 15° 8          | 23°17          | 16°50          | 3° 2         | 18°53          | 14°13           | 13° 9          | 19°23              | 18°12          | S 3          |
| M 4          | 14 43 40             | 12°34'22                      | 6 <b>₹</b> 19              | 6°49           | 9°27                 | 11°46           | 15°17          | 23°R17         | 16°53          | 3° 2         | 18°53          | 14°10           | 13° 6          | 19°29              | 18°16          | M 4          |
| T 5          | 14 47 37             | 13°32'29                      | 20°8                       | 6°14           | 10°39                | 12°11           | 15°27          | 23°17          | 16°56          | 3° 1         | 18°54          | 14° 5           | 13° 3          | 19°36              | 18°20          | T 5          |
| W 6          | 14 51 33             | 14°30'35                      | 3 <b>る</b> 32              | 5°41           | 11°51                | 12°37           | 15°36          | 23°16          | 16°59          | 3° 1         | 18°55          | 14° 1           | 13° 0          | 19°43              | 18°24          | W 6          |
| T 7          | 14 55 30             | 15°28'39                      | 16°32                      | 5°12           | 13° 3                | 13° 3           | 15°46          | 23°16          | 17° 2          | 3° 1         | 18°56          | 13°57           | 12°56          | 19°49              | 18°28          | T 7          |
| F 8          | 14 59 26             | 16°26'42                      | 29°10                      | 4°45           | 14°15                | 13°30           | 15°55          | 23°16          | 17° 6          | 3° 0         | 18°57          | 13°54           | 12°53          | 19°56              | 18°33          | F 8          |
| S 9          | 15 3 23              | 17°24'43                      | 11 <b>≈</b> 28             | 4°23           | 15°27                | 13°56           | 16° 5          | 23°15          | 17° 9          | 3° 0         | 18°57          | 13°53           | 12°50          | 20° 3              | 18°37          | S 9          |
| S 10         | 15 7 19              | 18°22'43                      | 23°32                      | 4° 5           | 16°39                | 14°23           | 16°15          | 23°15          | 17°12          | 3° 0         | 18°58          | 13°D53          | 12°47          | 20° 9              | 18°41          | S 10         |
| M11          | 15 11 16             | 19°20'42                      | 5 <b>₩</b> 25              | 3°50           | 17°51                | 14°50           | 16°24          | 23°14          | 17°15          | 3° 0         | 18°59          | 13°54           | 12°44          | 20°16              | 18°45          | M11          |
| T 12         | 15 15 12             | 20°18'39                      | 17°14                      | 3°41           | 19° 3                | 15°17           | 16°34          | 23°13          | 17°18          | 3° 0         | 19° 0          | 13°55           | 12°40          | 20°23              | 18°49          | T 12         |
| W13          | 15 19 9              | 21°16'35                      | 29° 2                      | 3°36           | 20°15                | 15°45           | 16°44          | 23°12          | 17°21          | 3° 0         | 19° 1          | 13°57           | 12°37          | 20°29              | 18°53          | W13          |
| T 14         | 15 23 6              | 22°14'30                      | 10 <b>Υ</b> 56             | 3°D35          | 21°27                | 16°12           | 16°55          | 23°11          | 17°24          | 3° 0         | 19° 2          | 13°R58          | 12°34          | 20°36              | 18°57          | T 14         |
| F 15         | 15 27 2              | 23°12'23                      | 22°57                      | 3°39           | 22°39                | 16°40           | 17° 5          | 23°10          | 17°27          | 3°D 0        | 19° 3          | 13°58           | 12°31          | 20°42              | 19° 1          | F 15         |
| S 16         | 15 30 59             | 24°10'15                      | 5 <b>8</b> 10              | 3°48           | 23°51                | 17° 8           | 17°15          | 23° 9          | 17°30          | 3° 0         | 19° 4          | 13°55           | 12°28          | 20°49              | 19° 5          | S 16         |
| S 17         | 15 34 55             | 25° 8'06                      | 17°37                      | 4° 1           | 25° 3                | 17°36           | 17°26          | 23° 8          | 17°32          | 3° 0         | 19° 5          | 13°51           | 12°25          | 20°56              | 19° 9          | S 17         |
| M18          | 15 38 52             | 26° 5'56                      | 0 <b>П</b> 18              | 4°19           | 26°16                | 18° 4           | 17°36          | 23° 7          | 17°35          | 3° 0         | 19° 6          | 13°46           | 12°21          | 21° 2              | 19°13          | M18          |
| T 19         | 15 42 48             | 27° 3'44                      | 13°15                      | 4°41           | 27°28                | 18°33           | 17°47          | 23° 5          | 17°38          | 3° 0         | 19° 7          | 13°39           | 12°18          | 21° 9              | 19°18          | T 19         |
| W20          | 15 46 45             | 28° 1'30                      | 26°26                      | 5° 8           | 28°40                | 19° 2           | 17°57          | 23° 4          | 17°41          | 3° 0         | 19° 8          | 13°31           | 12°15          | 21°16              | 19°22          | W20          |
| T 21         | 15 50 41             | 28°59'15                      | 9950                       | 5°38           | 29°52                | 19°31           | 18° 8          | 23° 2          | 17°44          | 3° 0         | 19° 9          | 13°24           | 12°12          | 21°22              | 19°26          | T 21         |
| F 22<br>S 23 | 15 54 38<br>15 58 35 | 29°56'59<br>0 <b>II</b> 54'41 | 23°27<br>7 <b>Ω</b> 13     | 6°13<br>6°52   | 1 <b>8</b> 4<br>2°17 | 20° 0<br>20°29  | 18°19<br>18°30 | 23° 0<br>22°59 | 17°47<br>17°49 | 3° 0<br>3° 1 | 19°10<br>19°11 | 13°18<br>13°14  | 12° 9<br>12° 6 | 21°29<br>21°36     | 19°30<br>19°34 | F 22<br>S 23 |
|              |                      |                               |                            |                | -                    |                 |                |                |                |              | -              |                 |                |                    |                | l I          |
| S 24         | 16 231               | 1°52'21                       | 21° 9                      | 7°34           | 3°29                 | 20°58           | 18°41          | 22°57          | 17°52          | 3° 1         | 19°12          | 13°11           | 12° 2          | 21°42              | 19°38          | S 24         |
| M25          | 16 6 28              | 2°50'00                       | 5 m 13                     | 8°20           | 4°41                 | 21°28           | 18°52          | 22°55          | 17°55          | 3° 1         | 19°14          | 13°D11          | 11°59          | 21°49              | 19°42          | M25          |
| T 26         | 16 10 24             | 3°47'37                       | 19°24                      | 9°10           | 5°53                 | 21°58           | 19° 3          | 22°53          | 17°57          | 3° 2         | 19°15          | 13°12           | 11°56          | 21°56              | 19°46          | T 26         |
| W27          | 16 14 21<br>16 18 17 | 4°45'13<br>5°42'47            | 3 <b>≙</b> 40<br>17°59     | 10° 3<br>10°59 | 7° 6<br>8°18         | 22°27<br>22°57  | 19°15<br>19°26 | 22°51<br>22°48 | 18° 0<br>18° 2 | 3° 2<br>3° 2 | 19°16<br>19°17 | 13°13           | 11°53<br>11°50 | 22° 2<br>22° 9     | 19°50          | W27<br>T 28  |
| T 28<br>F 29 | 16 18 17             | 6°40'20                       | 2ML19                      | 10°59<br>11°59 | 9°30                 | 22°57<br>23°28  | 19°26<br>19°37 | 22°48<br>22°46 | 18° 2<br>18° 5 | 3° 2<br>3° 3 | 19°17<br>19°18 | 13°R13<br>13°11 | 11°50<br>11°46 | 22° 9<br>22°16     | 19°54<br>19°58 | F 29         |
| S 30         | 16 22 14             | 7°37'51                       | 16°35                      | 11 39<br>13° 2 | 9 30<br>10°43        | 23°58           | 19 37<br>19°49 | 22°44          | 18° 7          | 3° 3         | 19 18<br>19°20 | 13° 8           | 11°43          | 22°22              | 19 38<br>20° 2 | S 30         |
| S 31         | 16 30 7              | 8 <b>I</b> I35'21             | 0 <b>x</b> <sup>7</sup> 42 | 148 9          | 11855                | $24\Omega 28$   | 209 0          | 22 341         | 18 <b>Υ</b> 10 | 3 m) 4       | 19521          | 13 <b>°</b> 1   | 11 <b>°</b> 43 | 22 <del>1</del> 29 | 208 6          | S 31         |
| 5 51         | 10 30 /              | ощ ээ 21                      | 07.42                      | 140 9          | 11033                | 240 <b>L</b> 20 | 0 کوت          | 22041          | 10   10        | + الإناد     | 17-021         | 10 1 1          | 11 1 40        | 221(29             | 200 0          | 5 51         |

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| Day  | Sid.t    | 0        | D              | ğ              | φ              | ď               | 4      | ħ              | )Å(            | <del>Ť</del>  | В      | U              | v              | Ç                | \begin{center} \begin | Day  |
|------|----------|----------|----------------|----------------|----------------|-----------------|--------|----------------|----------------|---------------|--------|----------------|----------------|------------------|--|------|
| M 1  | 16 34 4  | 9∏32'51  | 14 <b>×</b> 37 | 15 <b>8</b> 18 | 13 <b>8</b> 7  | 24€59           | 209512 | 22°R39         | 18 <b>Y</b> 12 | 3 Mp 4        | 199522 | 12°R53         | 11 <b>Y</b> 37 | 22 <b>)</b> 36   | 20810  | M 1  |
| T 2  | 16 38 0  | 10°30'19 | 28°15          | 16°30          | 14°20          | 25°30           | 20°24  | 22 <b>궁</b> 36 | 18°15          | 3° 5          | 19°23  | 12 <b>°</b> 44 | 11°34          | 22°42            | 20°14  | T 2  |
| W 3  | 16 41 57 | 11°27'47 | 11 <b>る</b> 33 | 17°45          | 15°32          | 26° 0           | 20°35  | 22°33          | 18°17          | 3° 6          | 19°25  | 12°34          | 11°31          | 22°49            | 20°18  | W 3  |
| T 4  | 16 45 53 | 12°25'13 | 24°30          | 19° 4          | 16°45          | 26°31           | 20°47  | 22°30          | 18°20          | 3° 6          | 19°26  | 12°26          | 11°27          | 22°56            | 20°21  | T 4  |
| F 5  | 16 49 50 | 13°22'39 | 7≈ 7           | 20°25          | 17°57          | 27° 3           | 20°59  | 22°28          | 18°22          | 3° 7          | 19°27  | 12°18          | 11°24          | 23° 2            | 20°25  | F 5  |
| S 6  | 16 53 46 | 14°20'04 | 19°25          | 21°48          | 19°10          | 27°34           | 21°11  | 22°25          | 18°24          | 3° 8          | 19°29  | 12°13          | 11°21          | 23° 9            | 20°29  | S 6  |
| S 7  | 16 57 43 | 15°17'28 | 1 <b>米</b> 29  | 23°15          | 20°22          | 28° 5           | 21°23  | 22°22          | 18°26          | 3°8           | 19°30  | 12°10          | 11°18          | 23°16            | 20°33  | S 7  |
| M 8  | 17 1 39  | 16°14'52 | 13°23          | 24°44          | 21°35          | 28°37           | 21°35  | 22°19          | 18°28          | 3° 9          | 19°31  | 12°D 9         | 11°15          | 23°22            | 20°37  | M 8  |
| T 9  | 17 5 36  | 17°12'15 | 25°13          | 26°17          | 22°47          | 29° 8           | 21°47  | 22°15          | 18°31          | 3°10          | 19°33  | 12° 9          | 11°12          | 23°29            | 20°41  | T 9  |
| W10  | 17 9 33  | 18° 9'37 | 7 <b>Υ</b> 2   | 27°52          | 24° 0          | 29°40           | 21°59  | 22°12          | 18°33          | 3°11          | 19°34  | 12°R10         | 11°8           | 23°35            | 20°44  | W10  |
| T 11 | 17 13 29 | 19° 6'59 | 18°58          | 29°29          | 25°12          | 0 <b>m</b> y 12 | 22°11  | 22° 9          | 18°35          | 3°11          | 19°35  | 12°10          | 11° 5          | 23°42            | 20°48  | T 11 |
| F 12 | 17 17 26 | 20° 4'21 | 18 4           | 1 <b>II</b> 10 | 26°25          | 0°44            | 22°24  | 22° 6          | 18°37          | 3°12          | 19°37  | 12° 8          | 11° 2          | 23°49            | 20°52  | F 12 |
| S 13 | 17 21 22 | 21° 1'42 | 13°25          | 2°53           | 27°38          | 1°16            | 22°36  | 22° 2          | 18°39          | 3°13          | 19°38  | 12° 4          | 10°59          | 23°55            | 20°56  | S 13 |
| S 14 | 17 25 19 | 21°59'02 | 26° 3          | 4°38           | 28°50          | 1°48            | 22°48  | 21°59          | 18°41          | 3°14          | 19°40  | 11°58          | 10°56          | 24° 2            | 20°59  | S 14 |
| M15  | 17 29 15 | 22°56'22 | 9耳 2           | 6°27           | 0 <b>Ⅱ</b> 3   | 2°21            | 23° 1  | 21°55          | 18°43          | 3°15          | 19°41  | 11°49          | 10°52          | 24° 9            | 21° 3  | M15  |
| T 16 | 17 33 12 | 23°53'42 | 22°19          | 8°18           | 1°16           | 2°53            | 23°13  | 21°52          | 18°45          | 3°16          | 19°43  | 11°38          | 10°49          | 24°15            | 21° 7  | T 16 |
| W17  | 17 37 8  | 24°51'01 | 5954           | 10°11          | 2°28           | 3°26            | 23°26  | 21°48          | 18°46          | 3°17          | 19°44  | 11°27          | 10°46          | 24°22            | 21°10  | W17  |
| T 18 | 17 41 5  | 25°48'19 | 19°44          | 12° 7          | 3°41           | 3°59            | 23°38  | 21°44          | 18°48          | 3°18          | 19°45  | 11°16          | 10°43          | 24°29            | 21°14  | T 18 |
| F 19 | 17 45 2  | 26°45'37 | 3 <b>Ω</b> 45  | 14° 5          | 4°54           | 4°32            | 23°51  | 21°40          | 18°50          | 3°19          | 19°47  | 11° 6          | 10°40          | 24°35            | 21°17  | F 19 |
| S 20 | 17 48 58 | 27°42'54 | 17°52          | 16° 6          | 6° 6           | 5° 5            | 24° 3  | 21°37          | 18°52          | 3°20          | 19°48  | 10°59          | 10°37          | 24°42            | 21°21  | S 20 |
| S 21 | 17 52 55 | 28°40'10 | 2 <b>m</b> 3   | 18° 8          | 7°19           | 5°38            | 24°16  | 21°33          | 18°53          | 3°22          | 19°50  | 10°54          | 10°33          | 24°49            | 21°24  | S 21 |
| M22  | 17 56 51 | 29°37'25 | 16°13          | 20°12          | 8°32           | 6°11            | 24°29  | 21°29          | 18°55          | 3°23          | 19°51  | 10°52          | 10°30          | 24°55            | 21°28  | M22  |
| T 23 | 18 0 48  | 0934'40  | 0 <b>ჲ</b> 22  | 22°19          | 9°45           | 6°44            | 24°41  | 21°25          | 18°57          | 3°24          | 19°53  | 10°D52         | 10°27          | 25° 2            | 21°31  | T 23 |
| W24  | 18 4 44  | 1°31'54  | 14°28          | 24°26          | 10°58          | 7°17            | 24°54  | 21°21          | 18°58          | 3°25          | 19°54  | 10°R52         | 10°24          | 25° 9            | 21°35  | W24  |
| T 25 | 18 8 41  | 2°29'07  | 28°30          | 26°35          | 12°10          | 7°51            | 25° 7  | 21°17          | 19° 0          | 3°26          | 19°56  | 10°51          | 10°21          | 25°15            | 21°38  | T 25 |
| F 26 | 18 12 38 | 3°26'20  | 12 <b>M</b> 27 | 28°45          | 13°23          | 8°24            | 25°20  | 21°13          | 19° 1          | 3°28          | 19°57  | 10°48          | 10°18          | 25°22            | 21°41  | F 26 |
| S 27 | 18 16 34 | 4°23'32  | 26°18          | 0955           | 14°36          | 8°58            | 25°33  | 21° 9          | 19° 2          | 3°29          | 19°59  | 10°43          | 10°14          | 25°29            | 21°44  | S 27 |
| S 28 | 18 20 31 | 5°20'44  | 10 <b>%</b> 1  | 3° 6           | 15°49          | 9°32            | 25°46  | 21° 4          | 19° 4          | 3°30          | 20° 1  | 10°35          | 10°11          | 25°35            | 21°48  | S 28 |
| M29  | 18 24 27 | 6°17'56  | 23°33          | 5°18           | 17° 2          | 10° 6           | 25°59  | 21° 0          | 19° 5          | 3°32          | 20° 2  | 10°24          | 10° 8          | 25°42            | 21°51  | M29  |
| T 30 | 18 28 24 | 79515'07 | 6 <b>ප</b> 51  | 79528          | 18 <b>Ⅱ</b> 15 | 10 <b>m</b> /40 | 269512 | 20 <b>궁</b> 56 | 19 <b>Y</b> 6  | 3 <b>m</b> 33 | 2095 4 | 10 <b>Y</b> 12 | 10 <b>Y</b> 5  | 25 <b>) (</b> 49 | 21 <b>8</b> 54   | T 30 |

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| Day  | Sid.t    | 0                | D              | ğ            | φ      | ♂               | 74           | ħ              | )f(            | 并       | Р      | ß             | Ω             | Ç              | ę,             | Day  |
|------|----------|------------------|----------------|--------------|--------|-----------------|--------------|----------------|----------------|---------|--------|---------------|---------------|----------------|----------------|------|
| W 1  | 18 32 20 | 89512'18         | 19 <b>궁</b> 54 | 9939         | 19∏28  | 11 <b>m</b> )14 | 269525       | 20°R52         | 19 <b>Y</b> 8  | 3 Mp 35 | 2095 5 | 10°R 0        | 10 <b>Y</b> 2 | 25 <b>)</b> 55 | 21 <b>8</b> 57 | W 1  |
| T 2  | 18 36 17 | 9° 9'29          | 2≈40           | 11°49        | 20°41  | 11°48           | 26°38        | 20 <b>궁</b> 47 | 19° 9          | 3°36    | 20° 7  | 9 <b>Ƴ</b> 48 | 9°58          | 26° 2          | 22° 0          | T 2  |
| F 3  | 18 40 13 | 10° 6'40         | 15°10          | 13°58        | 21°54  | 12°22           | 26°51        | 20°43          | 19°10          | 3°37    | 20° 8  | 9°38          | 9°55          | 26° 8          | 22° 3          | F 3  |
| S 4  | 18 44 10 | 11° 3'51         | 27°24          | 16° 6        | 23° 7  | 12°57           | 27° 4        | 20°39          | 19°11          | 3°39    | 20°10  | 9°30          | 9°52          | 26°15          | 22° 7          | S 4  |
| S 5  | 18 48 7  | 12° 1'03         | 9 <b>∺</b> 26  | 18°13        | 24°20  | 13°31           | 27°17        | 20°34          | 19°12          | 3°40    | 20°11  | 9°25          | 9°49          | 26°22          | 22°10          | S 5  |
| M 6  | 18 52 3  | 12°58'14         | 21°18          | 20°18        | 25°33  | 14° 6           | 27°30        | 20°30          | 19°13          | 3°42    | 20°13  | 9°23          | 9°46          | 26°28          | 22°12          | M 6  |
| T 7  | 18 56 0  | 13°55'26         | 3 <b>℃</b> 7   | 22°22        | 26°46  | 14°40           | 27°43        | 20°26          | 19°14          | 3°43    | 20°15  | 9°22          | 9°43          | 26°35          | 22°15          | T 7  |
| W 8  | 18 59 56 | 14°52'38         | 14°56          | 24°24        | 27°59  | 15°15           | 27°56        | 20°21          | 19°15          | 3°45    | 20°16  | 9°22          | 9°39          | 26°42          | 22°18          | W 8  |
| T 9  | 19 3 53  | 15°49'50         | 26°52          | 26°24        | 29°12  | 15°50           | 28°10        | 20°17          | 19°16          | 3°47    | 20°18  | 9°21          | 9°36          | 26°48          | 22°21          | T 9  |
| F 10 | 19 7 49  | 16°47'03         | 9 <b>8</b> 0   | 28°23        | 0926   | 16°25           | 28°23        | 20°12          | 19°17          | 3°48    | 20°19  | 9°20          | 9°33          | 26°55          | 22°24          | F 10 |
| S 11 | 19 11 46 | 17°44'16         | 21°25          | $0\Omega 20$ | 1°39   | 17° 0           | 28°36        | 20° 8          | 19°17          | 3°50    | 20°21  | 9°16          | 9°30          | 27° 2          | 22°27          | S 11 |
| S 12 | 19 15 42 | 18°41'30         | 4 <b>Ⅱ</b> 10  | 2°15         | 2°52   | 17°35           | 28°49        | 20° 4          | 19°18          | 3°52    | 20°23  | 9°10          | 9°27          | 27° 8          | 22°29          | S 12 |
| M13  | 19 19 39 | 19°38'44         | 17°19          | 4° 8         | 4° 5   | 18°10           | 29° 2        | 19°59          | 19°19          | 3°53    | 20°24  | 9° 1          | 9°24          | 27°15          | 22°32          | M13  |
| T 14 | 19 23 36 | 20°35'59         | 0951           | 5°59         | 5°19   | 18°45           | 29°16        | 19°55          | 19°19          | 3°55    | 20°26  | 8°51          | 9°20          | 27°22          | 22°35          | T 14 |
| W15  | 19 27 32 | 21°33'14         | 14°46          | 7°49         | 6°32   | 19°21           | 29°29        | 19°50          | 19°20          | 3°57    | 20°27  | 8°40          | 9°17          | 27°28          | 22°37          | W15  |
| T 16 | 19 31 29 | 22°30'30         | 28°59          | 9°36         | 7°45   | 19°56           | 29°42        | 19°46          | 19°20          | 3°59    | 20°29  | 8°29          | 9°14          | 27°35          | 22°40          | T 16 |
| F 17 | 19 35 25 | 23°27'46         | 13 <b>£</b> 25 | 11°22        | 8°59   | 20°32           | 29°56        | 19°41          | 19°21          | 4° 0    | 20°30  | 8°19          | 9°11          | 27°42          | 22°42          | F 17 |
| S 18 | 19 39 22 | 24°25'02         | 27°58          | 13° 6        | 10°12  | 21° 7           | oΩ 9         | 19°37          | 19°21          | 4° 2    | 20°32  | 8°12          | 9° 8          | 27°48          | 22°45          | S 18 |
| S 19 | 19 43 18 | 25°22'18         | 12 <b>m</b> 30 | 14°47        | 11°25  | 21°43           | 0°22         | 19°33          | 19°22          | 4° 4    | 20°34  | 8° 7          | 9° 4          | 27°55          | 22°47          | S 19 |
| M20  | 19 47 15 | 26°19'34         | 26°57          | 16°27        | 12°39  | 22°19           | 0°36         | 19°28          | 19°22          | 4° 6    | 20°35  | 8° 5          | 9° 1          | 28° 1          | 22°49          | M20  |
| T 21 | 19 51 11 | 27°16'51         | 11 <b>≏</b> 15 | 18° 5        | 13°52  | 22°55           | 0°49         | 19°24          | 19°22          | 4° 8    | 20°37  | 8°D 5         | 8°58          | 28° 8          | 22°52          | T 21 |
| W22  | 19 55 8  | 28°14'08         | 25°22          | 19°42        | 15° 6  | 23°31           | 1° 2         | 19°19          | 19°22          | 4° 9    | 20°38  | 8°R 5         | 8°55          | 28°15          | 22°54          | W22  |
| T 23 | 19 59 5  | 29°11'25         | 9 <b>™</b> 18  | 21°16        | 16°19  | 24° 7           | 1°16         | 19°15          | 19°23          | 4°11    | 20°40  | 8° 5          | 8°52          | 28°21          | 22°56          | T 23 |
| F 24 | 20 3 1   | 0 <b>Ω</b> 8'42  | 23° 2          | 22°49        | 17°33  | 24°43           | 1°29         | 19°11          | 19°23          | 4°13    | 20°42  | 8° 3          | 8°49          | 28°28          | 22°58          | F 24 |
| S 25 | 20 6 58  | 1° 6'00          | 6 <b>₹</b> 34  | 24°19        | 18°46  | 25°19           | 1°42         | 19° 6          | 19°23          | 4°15    | 20°43  | 7°58          | 8°45          | 28°35          | 23° 0          | S 25 |
| S 26 | 20 10 54 | 2° 3'18          | 19°55          | 25°48        | 20° 0  | 25°55           | 1°56         | 19° 2          | 19°R23         | 4°17    | 20°45  | 7°51          | 8°42          | 28°41          | 23° 2          | S 26 |
| M27  | 20 14 51 | 3° 0'37          | 3 <b>ට</b> 4   | 27°14        | 21°14  | 26°32           | 2° 9         | 18°58          | 19°23          | 4°19    | 20°46  | 7°42          | 8°39          | 28°48          | 23° 4          | M27  |
| T 28 | 20 18 47 | 3°57'56          | 16° 1          | 28°39        | 22°27  | 27° 8           | 2°22         | 18°54          | 19°23          | 4°21    | 20°48  | 7°32          | 8°36          | 28°55          | 23° 6          | T 28 |
| W29  | 20 22 44 | 4°55'16          | 28°44          | 0 m 2        | 23°41  | 27°45           | 2°36         | 18°50          | 19°23          | 4°23    | 20°49  | 7°21          | 8°33          | 29° 1          | 23° 8          | W29  |
| T 30 | 20 26 41 | 5°52'37          | 11≈15          | 1°23         | 24°54  | 28°21           | 2°49         | 18°45          | 19°22          | 4°25    | 20°51  | 7°10          | 8°30          | 29° 8          | 23°10          | T 30 |
| F 31 | 20 30 37 | 6 <b>Ω</b> 49'58 | 23≈33          | 2 Mp 42      | 2695 8 | 28 M 58         | 3 <b>N</b> 2 | 18 <b>중</b> 41 | 19 <b>Ƴ</b> 22 | 4 Mp 27 | 20952  | 7 <b>Υ</b> 2  | 8 <b>Ƴ</b> 26 | 29 <b>米</b> 15 | 23 <b>8</b> 12 | F 31 |

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| Day  | Sid.t    | $\odot$          | D              | φ             | φ             | ď              | 4             | ħ              | )∤(            | ¥             | 5     | R             | Ω             | ţ              | δ              | Day  |
|------|----------|------------------|----------------|---------------|---------------|----------------|---------------|----------------|----------------|---------------|-------|---------------|---------------|----------------|----------------|------|
| S 1  | 20 34 34 | 7 <b>Ω</b> 47'20 | 5 <b>)</b> 39  | 3 <b>m</b> 58 | 279522        | 29 <b>m</b> 35 | 3 <b>N</b> 16 | 18°R37         | 19°R22         | 4 Mp 29       | 20954 | 6°R55         | 8 <b>Υ</b> 23 | 29 <b>米</b> 21 | 23814          | S 1  |
| S 2  | 20 38 30 | 8°44'43          | 17°36          | 5°13          | 28°36         | 0 <b>ჲ</b> 11  | 3°29          | 18 <b>궁</b> 33 | 19 <b>Y</b> 22 | 4°31          | 20°56 | 6 <b>Υ</b> 51 | 8°20          | 29°28          | 23°15          | S 2  |
| M 3  | 20 42 27 | 9°42'08          | 29°26          | 6°25          | 29°49         | 0°48           | 3°42          | 18°29          | 19°21          | 4°33          | 20°57 | 6°49          | 8°17          | 29°35          | 23°17          | M 3  |
| T 4  | 20 46 23 | 10°39'33         | 11 <b>Y</b> 13 | 7°35          | 1 <b>0</b> 3  | 1°25           | 3°56          | 18°25          | 19°21          | 4°35          | 20°59 | 6°D49         | 8°14          | 29°41          | 23°18          | T 4  |
| W 5  | 20 50 20 | 11°36'59         | 23° 1          | 8°42          | 2°17          | 2° 2           | 4° 9          | 18°21          | 19°20          | 4°37          | 21° 0 | 6°49          | 8°10          | 29°48          | 23°20          | W 5  |
| T 6  | 20 54 16 | 12°34'27         | 4 <b>8</b> 57  | 9°48          | 3°31          | 2°39           | 4°22          | 18°17          | 19°20          | 4°39          | 21° 2 | 6°50          | 8° 7          | 29°54          | 23°21          | T 6  |
| F 7  | 20 58 13 | 13°31'56         | 17° 4          | 10°50         | 4°45          | 3°17           | 4°35          | 18°14          | 19°19          | 4°41          | 21° 3 | 6°R51         | 8° 4          | 0 <b>Υ</b> 1   | 23°23          | F 7  |
| S 8  | 21 2 9   | 14°29'27         | 29°28          | 11°50         | 5°58          | 3°54           | 4°49          | 18°10          | 19°19          | 4°43          | 21° 5 | 6°49          | 8° 1          | 0° 8           | 23°24          | S 8  |
| S 9  | 21 6 6   | 15°26'58         | 12∏14          | 12°47         | 7°12          | 4°31           | 5° 2          | 18° 6          | 19°18          | 4°46          | 21° 6 | 6°46          | 7°58          | 0°14           | 23°25          | S 9  |
| M10  | 21 10 3  | 16°24'32         | 25°24          | 13°42         | 8°26          | 5° 9           | 5°15          | 18° 3          | 19°17          | 4°48          | 21° 7 | 6°41          | 7°55          | 0°21           | 23°27          | M10  |
| T 11 | 21 13 59 | 17°22'06         | 9 <b>9</b> 2   | 14°33         | 9°40          | 5°46           | 5°28          | 17°59          | 19°17          | 4°50          | 21° 9 | 6°34          | 7°51          | 0°28           | 23°28          | T 11 |
| W12  | 21 17 56 | 18°19'42         | 23° 6          | 15°21         | 10°54         | 6°24           | 5°41          | 17°55          | 19°16          | 4°52          | 21°10 | 6°27          | 7°48          | 0°34           | 23°29          | W12  |
| T 13 | 21 21 52 | 19°17'19         | $7\Omega$ 34   | 16° 5         | 12° 8         | 7° 1           | 5°54          | 17°52          | 19°15          | 4°54          | 21°12 | 6°19          | 7°45          | 0°41           | 23°30          | T 13 |
| F 14 | 21 25 49 | 20°14'57         | 22°18          | 16°46         | 13°22         | 7°39           | 6° 8          | 17°49          | 19°14          | 4°56          | 21°13 | 6°13          | 7°42          | 0°48           | 23°31          | F 14 |
| S 15 | 21 29 45 | 21°12'37         | 7 Mg 12        | 17°24         | 14°36         | 8°17           | 6°21          | 17°45          | 19°13          | 4°58          | 21°15 | 6° 8          | 7°39          | 0°54           | 23°32          | S 15 |
| S 16 | 21 33 42 | 22°10'17         | 22° 7          | 17°57         | 15°51         | 8°55           | 6°34          | 17°42          | 19°12          | 5° 1          | 21°16 | 6° 6          | 7°36          | 1° 1           | 23°33          | S 16 |
| M17  | 21 37 39 | 23° 7'59         | 6 <b>Ω</b> 55  | 18°26         | 17° 5         | 9°33           | 6°47          | 17°39          | 19°11          | 5° 3          | 21°17 | 6°D 5         | 7°32          | 1° 8           | 23°34          | M17  |
| T 18 | 21 41 35 | 24° 5'42         | 21°31          | 18°51         | 18°19         | 10°11          | 7° 0          | 17°36          | 19°10          | 5° 5          | 21°19 | 6° 6          | 7°29          | 1°14           | 23°34          | T 18 |
| W19  | 21 45 32 | 25° 3'26         | 5 <b>M</b> 49  | 19°11         | 19°33         | 10°49          | 7°13          | 17°33          | 19° 9          | 5° 7          | 21°20 | 6° 7          | 7°26          | 1°21           | 23°35          | W19  |
| T 20 | 21 49 28 | 26° 1'10         | 19°50          | 19°26         | 20°47         | 11°27          | 7°26          | 17°30          | 19° 8          | 5° 9          | 21°22 | 6°R 8         | 7°23          | 1°28           | 23°36          | T 20 |
| F 21 | 21 53 25 | 26°58'57         | 3 <b>×</b> 31  | 19°36         | 22° 1         | 12° 5          | 7°39          | 17°27          | 19° 7          | 5°12          | 21°23 | 6° 8          | 7°20          | 1°34           | 23°36          | F 21 |
| S 22 | 21 57 21 | 27°56'44         | 16°54          | 19°R41        | 23°16         | 12°44          | 7°52          | 17°24          | 19° 5          | 5°14          | 21°24 | 6° 6          | 7°16          | 1°41           | 23°37          | S 22 |
| S 23 | 22 1 18  | 28°54'32         | 0ਰ 1           | 19°40         | 24°30         | 13°22          | 8° 5          | 17°21          | 19° 4          | 5°16          | 21°26 | 6° 3          | 7°13          | 1°47           | 23°37          | S 23 |
| M24  | 22 5 14  | 29°52'22         | 12°53          | 19°34         | 25°44         | 14° 1          | 8°17          | 17°18          | 19° 3          | 5°18          | 21°27 | 5°58          | 7°10          | 1°54           | 23°37          | M24  |
| T 25 | 22 9 11  | 0 Mp 50'12       | 25°31          | 19°21         | 26°58         | 14°39          | 8°30          | 17°16          | 19° 2          | 5°20          | 21°28 | 5°53          | 7° 7          | 2° 1           | 23°38          | T 25 |
| W26  | 22 13 8  | 1°48'04          | 7 <b>≈</b> 56  | 19° 3         | 28°13         | 15°18          | 8°43          | 17°13          | 19° 0          | 5°23          | 21°29 | 5°47          | 7° 4          | 2° 7           | 23°38          | W26  |
| T 27 | 22 17 4  | 2°45'58          | 20°11          | 18°39         | 29°27         | 15°57          | 8°56          | 17°11          | 18°59          | 5°25          | 21°31 | 5°41          | 7° 1          | 2°14           | 23°38          | T 27 |
| F 28 | 22 21 1  | 3°43'53          | 2 <b>)</b> 17  | 18° 8         | 0 <b>m</b> 41 | 16°35          | 9° 8          | 17° 8          | 18°57          | 5°27          | 21°32 | 5°36          | 6°57          | 2°21           | 23°38          | F 28 |
| S 29 | 22 24 57 | 4°41'49          | 14°14          | 17°33         | 1°56          | 17°14          | 9°21          | 17° 6          | 18°56          | 5°29          | 21°33 | 5°33          | 6°54          | 2°27           | 23°39          | S 29 |
| S 30 | 22 28 54 | 5°39'47          | 26° 6          | 16°51         | 3°10          | 17°53          | 9°34          | 17° 4          | 18°54          | 5°32          | 21°34 | 5°31          | 6°51          | 2°34           | 23°R39         | S 30 |
| M31  | 22 32 50 | 6 <b>M</b> 37'47 | 7 <b>Ƴ</b> 53  | 16Mp 5        | 4 Mp 24       | 18 <b>≏</b> 32 | 9 <b>Ω</b> 46 | 17る 2          | 18 <b>Y</b> 53 | 5 <b>m</b> 34 | 21936 | 5°D31         | 6 <b>Υ</b> 48 | 2 <b>Υ</b> 41  | 23 <b>8</b> 38 | M31  |

SEPTEMBER 1931 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ        | ·              | ď              | 4              | ħ               | )∤(            | <del>¥</del>  | Р     | V             | Ω             | ţ             | , k            | Day  |
|------|----------|------------------|----------------|----------|----------------|----------------|----------------|-----------------|----------------|---------------|-------|---------------|---------------|---------------|----------------|------|
| T 1  | 22 36 47 | 7 <b>m</b> 35'48 | 19 <b>Y</b> 40 | 15°R15   | 5 <b>m</b> 39  | 19 <b>≙</b> 11 | 9 <b>Ω</b> 59  | 17°R 0          | 18°R51         | 5 <b>m</b> 36 | 21937 | 5 <b>Υ</b> 31 | 6 <b>Υ</b> 45 | 2 <b>Y</b> 47 | 23°R38         | T 1  |
| W 2  | 22 40 43 | 8°33'51          | 1829           | 14 Mp 21 | 6°53           | 19°50          | 10°11          | 16 <b>る</b> 58  | 18 <b>Y</b> 49 | 5°38          | 21°38 | 5°33          | 6°42          | 2°54          | 23 <b>8</b> 38 | W 2  |
| T 3  | 22 44 40 | 9°31'57          | 13°25          | 13°25    | 8° 8           | 20°29          | 10°24          | 16°56           | 18°48          | 5°40          | 21°39 | 5°35          | 6°38          | 3° 1          | 23°38          | T 3  |
| F 4  | 22 48 36 | 10°30'04         | 25°32          | 12°27    | 9°22           | 21° 9          | 10°36          | 16°54           | 18°46          | 5°43          | 21°40 | 5°36          | 6°35          | 3° 7          | 23°38          | F 4  |
| S 5  | 22 52 33 | 11°28'13         | 7 <b>II</b> 55 | 11°29    | 10°36          | 21°48          | 10°48          | 16°53           | 18°44          | 5°45          | 21°41 | 5°R37         | 6°32          | 3°14          | 23°37          | S 5  |
| S 6  | 22 56 30 | 12°26'24         | 20°37          | 10°32    | 11°51          | 22°27          | 11° 1          | 16°51           | 18°42          | 5°47          | 21°42 | 5°37          | 6°29          | 3°20          | 23°37          | S 6  |
| M 7  | 23 0 26  | 13°24'37         | 39544          | 9°37     | 13° 5          | 23° 7          | 11°13          | 16°50           | 18°41          | 5°49          | 21°43 | 5°36          | 6°26          | 3°27          | 23°36          | M 7  |
| T 8  | 23 4 23  | 14°22'52         | 17°17          | 8°46     | 14°20          | 23°46          | 11°25          | 16°48           | 18°39          | 5°52          | 21°45 | 5°33          | 6°22          | 3°34          | 23°36          | T 8  |
| W 9  | 23 8 19  | 15°21'10         | 1 <b>Ω</b> 19  | 7°59     | 15°35          | 24°26          | 11°37          | 16°47           | 18°37          | 5°54          | 21°46 | 5°31          | 6°19          | 3°40          | 23°35          | W 9  |
| T 10 | 23 12 16 | 16°19'29         | 15°46          | 7°19     | 16°49          | 25° 6          | 11°49          | 16°46           | 18°35          | 5°56          | 21°47 | 5°28          | 6°16          | 3°47          | 23°35          | T 10 |
| F 11 | 23 16 12 | 17°17'50         | 0 <b>m</b> 35  | 6°45     | 18° 4          | 25°45          | 12° 1          | 16°45           | 18°33          | 5°58          | 21°48 | 5°26          | 6°13          | 3°54          | 23°34          | F 11 |
| S 12 | 23 20 9  | 18°16'13         | 15°39          | 6°19     | 19°18          | 26°25          | 12°13          | 16°44           | 18°31          | 6° 0          | 21°49 | 5°24          | 6°10          | 4° 0          | 23°33          | S 12 |
| S 13 | 23 24 5  | 19°14'38         | ე <u>ჲ</u> 49  | 6° 2     | 20°33          | 27° 5          | 12°25          | 16°43           | 18°29          | 6° 3          | 21°50 | 5°D24         | 6° 7          | 4° 7          | 23°32          | S 13 |
| M14  | 23 28 2  | 20°13'04         | 15°55          | 5°D54    | 21°48          | 27°45          | 12°37          | 16°42           | 18°27          | 6° 5          | 21°50 | 5°24          | 6° 3          | 4°14          | 23°32          | M14  |
| T 15 | 23 31 59 | 21°11'33         | 0 <b>M</b> .49 | 5°55     | 23° 2          | 28°25          | 12°49          | 16°41           | 18°25          | 6° 7          | 21°51 | 5°25          | 6° 0          | 4°20          | 23°31          | T 15 |
| W16  | 23 35 55 | 22°10'03         | 15°25          | 6° 5     | 24°17          | 29° 5          | 13° 0          | 16°40           | 18°23          | 6° 9          | 21°52 | 5°26          | 5°57          | 4°27          | 23°30          | W16  |
| T 17 | 23 39 52 | 23° 8'35         | 29°37          | 6°25     | 25°32          | 29°45          | 13°12          | 16°40           | 18°21          | 6°11          | 21°53 | 5°27          | 5°54          | 4°34          | 23°28          | T 17 |
| F 18 | 23 43 48 | 24° 7'08         | 13 <b>×</b> 25 | 6°54     | 26°46          | 0 <b>M</b> 26  | 13°23          | 16°40           | 18°18          | 6°13          | 21°54 | 5°27          | 5°51          | 4°40          | 23°27          | F 18 |
| S 19 | 23 47 45 | 25° 5'43         | 26°49          | 7°31     | 28° 1          | 1° 6           | 13°35          | 16°39           | 18°16          | 6°15          | 21°55 | 5°R27         | 5°47          | 4°47          | 23°26          | S 19 |
| S 20 | 23 51 41 | 26° 4'20         | 9 <b>ට</b> 51  | 8°18     | 29°16          | 1°46           | 13°46          | 16°39           | 18°14          | 6°18          | 21°56 | 5°27          | 5°44          | 4°54          | 23°25          | S 20 |
| M21  | 23 55 38 | 27° 2'58         | 22°34          | 9°12     | 0 <b>ჲ</b> 30  | 2°27           | 13°58          | 16°39           | 18°12          | 6°20          | 21°57 | 5°26          | 5°41          | 5° 0          | 23°24          | M21  |
| T 22 | 23 59 34 | 28° 1'38         | 5≈ 0           | 10°14    | 1°45           | 3° 7           | 14° 9          | 16°D39          | 18°10          | 6°22          | 21°57 | 5°26          | 5°38          | 5° 7          | 23°22          | T 22 |
| W23  | 0 3 31   | 29° 0'20         | 17°13          | 11°23    | 3° 0           | 3°48           | 14°20          | 16°39           | 18° 7          | 6°24          | 21°58 | 5°25          | 5°35          | 5°13          | 23°21          | W23  |
| T 24 | 0 7 28   | 29°59'03         | 29°16          | 12°38    | 4°15           | 4°29           | 14°31          | 16°39           | 18° 5          | 6°26          | 21°59 | 5°24          | 5°32          | 5°20          | 23°19          | T 24 |
| F 25 | 0 11 24  | <b>02</b> 57'48  | 11 <b>米</b> 12 | 13°59    | 5°29           | 5° 9           | 14°42          | 16°39           | 18° 3          | 6°28          | 22° 0 | 5°23          | 5°28          | 5°27          | 23°18          | F 25 |
| S 26 | 0 15 21  | 1°56'35          | 23° 2          | 15°24    | 6°44           | 5°50           | 14°53          | 16°40           | 18° 1          | 6°30          | 22° 0 | 5°23          | 5°25          | 5°33          | 23°16          | S 26 |
| S 27 | 0 19 17  | 2°55'25          | <b>4Υ</b> 50   | 16°54    | 7°59           | 6°31           | 15° 4          | 16°40           | 17°58          | 6°32          | 22° 1 | 5°D23         | 5°22          | 5°40          | 23°15          | S 27 |
| M28  | 0 23 14  | 3°54'16          | 16°38          | 18°28    | 9°14           | 7°12           | 15°15          | 16°41           | 17°56          | 6°34          | 22° 2 | 5°23          | 5°19          | 5°47          | 23°13          | M28  |
| T 29 | 0 27 10  | 4°53'09          | 28°28          | 20° 5    | 10°28          | 7°53           | 15°25          | 16°41           | 17°54          | 6°36          | 22° 2 | 5°R23         | 5°16          | 5°53          | 23°11          | T 29 |
| W30  | 0 31 7   | 5 <b>≏</b> 52'04 | 10822          | 21 Mp 44 | 11 <b>≏</b> 43 | 8 <b>M</b> .34 | 15 <b>Ω</b> 36 | 16 <b>පි</b> 42 | 17 <b>Y</b> 51 | 6 <b>m</b> 38 | 229 3 | 5 <b>Υ</b> 23 | 5 <b>Υ</b> 13 | <b>6Υ</b> 0   | 238 9          | W30  |

Delta T = 24.39 sec

OCTOBER 1931 00:00 UT

| Day  | Sid.t   | $\odot$           | D              | ğ              | φ              | ð              | 4              | ħ              | )f(            | ¥             | Р      | B             | သ            | Ç             | ę,            | Day  |
|------|---------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|--------|---------------|--------------|---------------|---------------|------|
| T 1  | 0 35 3  | 6 <b>₽</b> 51'02  | 22 <b>8</b> 23 | 23 Mp 26       | 12 <b>≏</b> 58 | 9 <b>M</b> .15 | 15 <b>Ω</b> 47 | 16 <b>궁</b> 43 | 17°R49         | 6 <b>m</b> 40 | 2295 3 | 5°R23         | 5 <b>Υ</b> 9 | 6 <b>℃</b> 7  | 23°R 8        | T 1  |
| F 2  | 0 39 0  | 7°50'01           | 4∏34           | 25° 9          | 14°13          | 9°56           | 15°57          | 16°44          | 17 <b>Y</b> 46 | 6°42          | 22° 4  | 5 <b>℃</b> 23 | 5° 6         | 6°13          | 23 <b>8</b> 6 | F 2  |
| S 3  | 0 42 57 | 8°49'03           | 16°58          | 26°53          | 15°27          | 10°37          | 16° 7          | 16°45          | 17°44          | 6°44          | 22° 4  | 5°22          | 5° 3         | 6°20          | 23° 4         | S 3  |
| S 4  | 0 46 53 | 9°48'08           | 29°40          | 28°39          | 16°42          | 11°19          | 16°18          | 16°46          | 17°42          | 6°46          | 22° 5  | 5°22          | 5° 0         | 6°27          | 23° 2         | S 4  |
| M 5  | 0 50 50 | 10°47'14          | 129542         | 0 <b>ჲ</b> 25  | 17°57          | 12° 0          | 16°28          | 16°47          | 17°39          | 6°48          | 22° 5  | 5°D22         | 4°57         | 6°33          | 23° 0         | M 5  |
| T 6  | 0 54 46 | 11°46'24          | 26° 7          | 2°11           | 19°12          | 12°42          | 16°38          | 16°49          | 17°37          | 6°50          | 22° 6  | 5°22          | 4°53         | 6°40          | 22°58         | T 6  |
| W 7  | 0 58 43 | 12°45'35          | 9 <b>Ω</b> 57  | 3°58           | 20°27          | 13°23          | 16°48          | 16°50          | 17°34          | 6°52          | 22° 6  | 5°23          | 4°50         | 6°46          | 22°55         | W 7  |
| T 8  | 1 2 39  | 13°44'49          | 24°12          | 5°44           | 21°42          | 14° 5          | 16°58          | 16°52          | 17°32          | 6°54          | 22° 7  | 5°23          | 4°47         | 6°53          | 22°53         | T 8  |
| F 9  | 1 6 36  | 14°44'04          | 8 <b>m</b> p51 | 7°31           | 22°56          | 14°47          | 17° 7          | 16°53          | 17°30          | 6°56          | 22° 7  | 5°24          | 4°44         | 7° 0          | 22°51         | F 9  |
| S 10 | 1 10 32 | 15°43'22          | 23°48          | 9°17           | 24°11          | 15°28          | 17°17          | 16°55          | 17°27          | 6°57          | 22° 7  | 5°25          | 4°41         | 7° 6          | 22°49         | S 10 |
| S 11 | 1 14 29 | 16°42'43          | 8 <b>≏</b> 57  | 11° 3          | 25°26          | 16°10          | 17°27          | 16°57          | 17°25          | 6°59          | 22° 8  | 5°R25         | 4°38         | 7°13          | 22°46         | S 11 |
| M12  | 1 18 26 | 17°42'05          | 24° 9          | 12°48          | 26°41          | 16°52          | 17°36          | 16°59          | 17°22          | 7° 1          | 22° 8  | 5°24          | 4°34         | 7°20          | 22°44         | M12  |
| T 13 | 1 22 22 | 18°41'29          | 9 <b>™</b> 13  | 14°33          | 27°56          | 17°34          | 17°45          | 17° 1          | 17°20          | 7° 3          | 22° 8  | 5°23          | 4°31         | 7°26          | 22°42         | T 13 |
| W14  | 1 26 19 | 19°40'56          | 24° 2          | 16°18          | 29°11          | 18°16          | 17°55          | 17° 3          | 17°17          | 7° 5          | 22° 9  | 5°22          | 4°28         | 7°33          | 22°39         | W14  |
| T 15 | 1 30 15 | 20°40'24          | 8 <b>.</b> ₹28 | 18° 2          | 0 <b>M</b> 26  | 18°58          | 18° 4          | 17° 5          | 17°15          | 7° 6          | 22° 9  | 5°20          | 4°25         | 7°40          | 22°37         | T 15 |
| F 16 | 1 34 12 | 21°39'54          | 22°27          | 19°45          | 1°41           | 19°40          | 18°13          | 17° 8          | 17°13          | 7° 8          | 22° 9  | 5°18          | 4°22         | 7°46          | 22°34         | F 16 |
| S 17 | 1 38 8  | 22°39'26          | 5 <b>る</b> 58  | 21°28          | 2°56           | 20°22          | 18°22          | 17°10          | 17°10          | 7°10          | 22° 9  | 5°16          | 4°19         | 7°53          | 22°32         | S 17 |
| S 18 | 1 42 5  | 23°39'00          | 19° 3          | 23°10          | 4°10           | 21° 5          | 18°30          | 17°12          | 17° 8          | 7°11          | 22° 9  | 5°D16         | 4°15         | 8° 0          | 22°29         | S 18 |
| M19  | 1 46 1  | 24°38'35          | 1≈45           | 24°51          | 5°25           | 21°47          | 18°39          | 17°15          | 17° 5          | 7°13          | 22°10  | 5°16          | 4°12         | 8° 6          | 22°26         | M19  |
| T 20 | 1 49 58 | 25°38'12          | 14° 7          | 26°32          | 6°40           | 22°29          | 18°47          | 17°18          | 17° 3          | 7°15          | 22°10  | 5°17          | 4° 9         | 8°13          | 22°24         | T 20 |
| W21  | 1 53 55 | 26°37'51          | 26°14          | 28°12          | 7°55           | 23°12          | 18°56          | 17°21          | 17° 0          | 7°16          | 22°10  | 5°18          | 4° 6         | 8°19          | 22°21         | W21  |
| T 22 | 1 57 51 | 27°37'31          | 8 <b>)</b> 10  | 29°51          | 9°10           | 23°54          | 19° 4          | 17°23          | 16°58          | 7°18          | 22°10  | 5°20          | 4° 3         | 8°26          | 22°18         | T 22 |
| F 23 | 2 1 48  | 28°37'13          | 20° 0          | 1 <b>M</b> .30 | 10°25          | 24°37          | 19°12          | 17°26          | 16°56          | 7°19          | 22°10  | 5°21          | 3°59         | 8°33          | 22°16         | F 23 |
| S 24 | 2 5 44  | 29°36'57          | 1 <b>Ƴ</b> 48  | 3° 8           | 11°40          | 25°20          | 19°20          | 17°29          | 16°53          | 7°21          | 22°R10 | 5°R22         | 3°56         | 8°39          | 22°13         | S 24 |
| S 25 | 2 9 41  | 0 <b>M</b> J36'43 | 13°35          | 4°46           | 12°55          | 26° 2          | 19°28          | 17°33          | 16°51          | 7°22          | 22°10  | 5°22          | 3°53         | 8°46          | 22°10         | S 25 |
| M26  | 2 13 37 | 1°36'31           | 25°26          | 6°23           | 14°10          | 26°45          | 19°36          | 17°36          | 16°49          | 7°24          | 22°10  | 5°20          | 3°50         | 8°53          | 22° 7         | M26  |
| T 27 | 2 17 34 | 2°36'20           | 7 <b>8</b> 23  | 8° 0           | 15°24          | 27°28          | 19°43          | 17°39          | 16°46          | 7°25          | 22°10  | 5°17          | 3°47         | 8°59          | 22° 4         | T 27 |
| W28  | 2 21 30 | 3°36'12           | 19°26          | 9°36           | 16°39          | 28°11          | 19°51          | 17°42          | 16°44          | 7°27          | 22°10  | 5°13          | 3°44         | 9° 6          | 22° 1         | W28  |
| T 29 | 2 25 27 | 4°36'06           | 1 <b>Ⅲ</b> 38  | 11°11          | 17°54          | 28°54          | 19°58          | 17°46          | 16°42          | 7°28          | 22°10  | 5° 8          | 3°40         | 9°13          | 21°58         | T 29 |
| F 30 | 2 29 24 | 5°36'02           | 14° 1          | 12°46          | 19° 9          | 29°37          | 20° 5          | 17°50          | 16°39          | 7°29          | 22°10  | 5° 3          | 3°37         | 9°19          | 21°55         | F 30 |
| S 31 | 2 33 20 | 6M36'00           | 26耳35          | 14ML21         | 20 <b>M</b> 24 | 0 <b>₮</b> 20  | 20 <b>Ω</b> 12 | 17 <b>る</b> 53 | 16 <b>Y</b> 37 | 7 <b>m</b> 31 | 2295 9 | <b>4Υ</b> 58  | <b>3</b> Υ34 | 9 <b>Υ</b> 26 | 21852         | S 31 |

NOVEMBER 1931 00:00 UT

| Day  | Sid.t   | 0                  | D               | ğ               | P               | ♂               | 4              | ħ              | )វ(            | #               | Р      | Ŋ            | Ω             | ţ              | ę,     | Day  |
|------|---------|--------------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-----------------|--------|--------------|---------------|----------------|--------|------|
| S 1  | 2 37 17 | 7 <b>11</b> L36'00 | 99523           | 15 <b>M</b> 55  | 21 <b>M</b> 39  | 1 <b>√</b> 3    | 20Ω19          | 17 <b>る</b> 57 | 16°R35         | 7 <b>m</b> 32   | 22°R 9 | 4°R54        | <b>3</b> Υ31  | 9 <b>Υ</b> 33  | 21°R49 | S 1  |
| M 2  | 2 41 13 | 8°36'02            | 22°27           | 17°29           | 22°54           | 1°47            | 20°26          | 18° 1          | 16 <b>Y</b> 33 | 7°33            | 2299 9 | <b>4Υ</b> 51 | 3°28          | 9°39           | 21846  | M 2  |
| T 3  | 2 45 10 | 9°36'06            | 5 <b>Ω</b> 47   | 19° 2           | 24° 9           | 2°30            | 20°33          | 18° 5          | 16°31          | 7°35            | 22° 9  | 4°D50        | 3°24          | 9°46           | 21°43  | T 3  |
| W 4  | 2 49 6  | 10°36'13           | 19°27           | 20°35           | 25°24           | 3°13            | 20°39          | 18° 9          | 16°28          | 7°36            | 22° 9  | 4°50         | 3°21          | 9°53           | 21°40  | W 4  |
| T 5  | 2 53 3  | 11°36'21           | 3 <b>m</b> 27   | 22° 7           | 26°39           | 3°57            | 20°45          | 18°13          | 16°26          | 7°37            | 22° 8  | 4°51         | 3°18          | 9°59           | 21°37  | T 5  |
| F 6  | 2 56 59 | 12°36'32           | 17°48           | 23°39           | 27°53           | 4°40            | 20°52          | 18°17          | 16°24          | 7°38            | 22° 8  | 4°52         | 3°15          | 10° 6          | 21°34  | F 6  |
| S 7  | 3 0 56  | 13°36'45           | 2 <b>º</b> 26   | 25°11           | 29° 8           | 5°24            | 20°58          | 18°21          | 16°22          | 7°39            | 22° 8  | 4°R53        | 3°12          | 10°12          | 21°31  | S 7  |
| S 8  | 3 4 53  | 14°36'59           | 17°18           | 26°42           | 0 <b>∡</b> 123  | 6° 7            | 21° 3          | 18°25          | 16°20          | 7°41            | 22° 7  | 4°53         | 3° 9          | 10°19          | 21°28  | S 8  |
| M 9  | 3 8 49  | 15°37'16           | 2 <b>M</b> 17   | 28°13           | 1°38            | 6°51            | 21° 9          | 18°30          | 16°18          | 7°42            | 22° 7  | 4°50         | 3° 5          | 10°26          | 21°25  | M 9  |
| T 10 | 3 12 46 | 16°37'34           | 17°15           | 29°43           | 2°53            | 7°35            | 21°15          | 18°34          | 16°16          | 7°43            | 22° 6  | 4°46         | 3° 2          | 10°32          | 21°22  | T 10 |
| W11  | 3 16 42 | 17°37'55           | 2 <b>,</b> ₹ 3  | 1 <b>₹</b> 13   | 4° 8            | 8°19            | 21°20          | 18°39          | 16°14          | 7°44            | 22° 6  | 4°40         | 2°59          | 10°39          | 21°19  | W11  |
| T 12 | 3 20 39 | 18°38'17           | 1 <u>6</u> °33  | 2°43            | 5°23            | 9° 3            | 21°25          | 18°43          | 16°12          | 7°45            | 22° 6  | 4°32         | 2°56          | 10°46          | 21°16  | T 12 |
| F 13 | 3 24 35 | 19°38'40           | 0 <b>궁</b> 39   | 4°12            | 6°38            | 9°46            | 21°30          | 18°48          | 16°10          | 7°46            | 22° 5  | 4°25         | 2°53          | 10°52          | 21°12  | F 13 |
| S 14 | 3 28 32 | 20°39'05           | 14°18           | 5°41            | 7°53            | 10°30           | 21°35          | 18°53          | 16° 8          | 7°47            | 22° 5  | 4°19         | 2°50          | 10°59          | 21° 9  | S 14 |
| S 15 | 3 32 28 | 21°39'32           | 27°29           | 7°10            | 9° 8            | 11°14           | 21°40          | 18°58          | 16° 6          | 7°48            | 22° 4  | 4°14         | 2°46          | 11° 6          | 21° 6  | S 15 |
| M16  | 3 36 25 | 22°39'59           | 10≈15           | 8°38            | 10°23           | 11°59           | 21°44          | 19° 2          | 16° 4          | 7°48            | 22° 4  | 4°11         | 2°43          | 11°12          | 21° 3  | M16  |
| T 17 | 3 40 22 | 23°40'28           | 22°38           | 10° 5           | 11°38           | 12°43           | 21°49          | 19° 7          | 16° 3          | 7°49            | 22° 3  | 4°D10        | 2°40          | 11°19          | 21° 0  | T 17 |
| W18  | 3 44 18 | 24°40'58           | 4 <b>) (</b> 45 | 11°32           | 12°52           | 13°27           | 21°53          | 19°12          | 16° 1          | 7°50            | 22° 2  | 4°11         | 2°37          | 11°26          | 20°57  | W18  |
| T 19 | 3 48 15 | 25°41'30           | 16°39           | 12°59           | 14° 7           | 14°11           | 21°57          | 19°18          | 15°59          | 7°51            | 22° 2  | 4°12         | 2°34          | 11°32          | 20°54  | T 19 |
| F 20 | 3 52 11 | 26°42'03           | 28°28           | 14°24           | 15°22           | 14°56           | 22° 1          | 19°23          | 15°58          | 7°52            | 22° 1  | 4°R13        | 2°30          | 11°39          | 20°50  | F 20 |
| S 21 | 3 56 8  | 27°42'37           | 10 <b>Ƴ</b> 14  | 15°49           | 16°37           | 15°40           | 22° 4          | 19°28          | 15°56          | 7°52            | 22° 1  | 4°13         | 2°27          | 11°46          | 20°47  | S 21 |
| S 22 | 4 0 4   | 28°43'12           | 22° 4           | 17°14           | 17°52           | 16°24           | 22° 8          | 19°33          | 15°54          | 7°53            | 22° 0  | 4°11         | 2°24          | 11°52          | 20°44  | S 22 |
| M23  | 4 4 1   | 29°43'48           | 4 <b>8</b> 0    | 18°37           | 19° 7           | 17° 9           | 22°11          | 19°39          | 15°53          | 7°54            | 21°59  | 4° 7         | 2°21          | 11°59          | 20°41  | M23  |
| T 24 | 4 7 57  | 0 <b>₮</b> 44'26   | 16° 5           | 19°59           | 20°22           | 17°54           | 22°14          | 19°44          | 15°51          | 7°54            | 21°58  | 4° 0         | 2°18          | 12° 5          | 20°38  | T 24 |
| W25  | 4 11 54 | 1°45'06            | 28°21           | 21°20           | 21°36           | 18°38           | 22°17          | 19°49          | 15°50          | 7°55            | 21°58  | 3°51         | 2°15          | 12°12          | 20°35  | W25  |
| T 26 | 4 15 51 | 2°45'46            | 10 <b>Ⅱ</b> 49  | 22°40           | 22°51           | 19°23           | 22°20          | 19°55          | 15°48          | 7°55            | 21°57  | 3°40         | 2°11          | 12°19          | 20°32  | T 26 |
| F 27 | 4 19 47 | 3°46'29            | 23°30           | 23°59           | 24° 6           | 20° 8           | 22°22          | 20° 1          | 15°47          | 7°56            | 21°56  | 3°28         | 2° 8          | 12°25          | 20°29  | F 27 |
| S 28 | 4 23 44 | 4°47'12            | 6923            | 25°16           | 25°21           | 20°52           | 22°25          | 20° 6          | 15°46          | 7°56            | 21°55  | 3°17         | 2° 5          | 12°32          | 20°26  | S 28 |
| S 29 | 4 27 40 | 5°47'57            | 19°28           | 26°30           | 26°36           | 21°37           | 22°27          | 20°12          | 15°44          | 7°57            | 21°55  | 3° 8         | 2° 2          | 12°39          | 20°23  | S 29 |
| M30  | 4 31 37 | 6 <b>₹</b> 148'43  | 2 <b>Ω</b> 44   | 27 <b>×</b> 743 | 27 <b>×</b> 751 | 22 <b>×</b> 122 | 22 <b>N</b> 29 | 20 <b>궁</b> 18 | 15 <b>Ƴ</b> 43 | 7 <b>m</b> ) 57 | 219554 | <b>3Υ</b> 1  | 1 <b>Ƴ</b> 59 | 12 <b>Y</b> 45 | 20820  | M30  |

Delta T = 24.38 sec

DECEMBER 1931 00:00 UT

| Day          | Sid.t              | 0                            | D                       | ğ              | φ              | ď                       | 4               | ħ              | )∤(            | ¥             | В              | n                       | v                    | Ç              | Ŗ              | Day          |
|--------------|--------------------|------------------------------|-------------------------|----------------|----------------|-------------------------|-----------------|----------------|----------------|---------------|----------------|-------------------------|----------------------|----------------|----------------|--------------|
| T 1          | 4 35 33            | 7 <b>.₹</b> 149'31           | 16 <b>Ω</b> 11          | 28 <b>×</b> 3  | 29 <b>×</b> 5  | 23 <b>×7</b> 7          | 22 <b>\O</b> 31 | 20중24          | 15°R42         | 7 <b>m</b> 57 | 21°R53         | 2°R56                   | 1 <b>Υ</b> 56        | 12 <b>Y</b> 52 | 20°R17         | T 1          |
| W 2          | 4 39 30            | 8°50'21                      | 29°51                   | 0 중 0          | 0る20           | 23°52                   | 22°32           | 20°29          | 15 <b>Y</b> 40 | 7°58          | 21952          | 2 <b>Y</b> 54           | 1°52                 | 12°59          | 20814          | W 2          |
| T 3          | 4 43 26            | 9°51'11                      | 13 <b>m</b> 43          | 1° 4           | 1°35           | 24°37                   | 22°34           | 20°35          | 15°39          | 7°58          | 21°51          | 2°D54                   | 1°49                 | 13° 5          | 20°11          | T 3          |
| F 4          | 4 47 23            | 10°52'03                     | 27°47                   | 2° 4           | 2°50           | 25°22                   | 22°35           | 20°41          | 15°38          | 7°58          | 21°50          | 2°R54                   | 1°46                 | 13°12          | 20° 8          | F 4          |
| S 5          | 4 51 20            | 11°52'57                     | 12 <b>♀</b> 4           | 2°59           | 4° 5           | 26° 7                   | 22°36           | 20°47          | 15°37          | 7°59          | 21°49          | 2°54                    | 1°43                 | 13°19          | 20° 5          | S 5          |
| S 6          | 4 55 16            | 12°53'52                     | 26°32                   | 3°50           | 5°20           | 26°53                   | 22°37           | 20°53          | 15°36          | 7°59          | 21°48          | 2°52                    | 1°40                 | 13°25          | 20° 2          | S 6          |
| M 7          | 4 59 13            | 13°54'48                     | 11 <b>m</b> 7           | 4°34           | 6°34           | 27°38                   | 22°38           | 21° 0          | 15°35          | 7°59          | 21°47          | 2°47                    | 1°36                 | 13°32          | 20° 0          | M 7          |
| T 8          | 5 3 9              | 14°55'45                     | 25°43                   | 5°13           | 7°49           | 28°23                   | 22°38           | 21° 6          | 15°34          | 7°59          | 21°46          | 2°39                    | 1°33                 | 13°39          | 19°57          | T 8          |
| W 9          | 5 7 6              | 15°56'44                     | 10 <b>∡</b> 14          | 5°44           | 9° 4           | 29° 9                   | 22°38           | 21°12          | 15°33          | 7°59          | 21°45          | 2°29                    | 1°30                 | 13°45          | 19°54          | W 9          |
| T 10         | 5 11 2             | 16°57'44                     | 24°32                   | 6° 6           | 10°19          | 29°54                   | 22°R38          | 21°18          | 15°33          | 7°59          | 21°44          | 2°17                    | 1°27                 | 13°52          | 19°51          | T 10         |
| F 11         | 5 14 59            | 17°58'44                     | 8 <b>군</b> 32           | 6°20           | 11°33          | 0 <b>궁</b> 39           | 22°38           | 21°25          | 15°32          | 7°R59         | 21°43          | 2° 5                    | 1°24                 | 13°58          | 19°49          | F 11         |
| S 12         | 5 18 56            | 18°59'45                     | 22°10                   | 6°R24          | 12°48          | 1°25                    | 22°38           | 21°31          | 15°31          | 7°59          | 21°42          | 1°54                    | 1°21                 | 14° 5          | 19°46          | S 12         |
| S 13         | 5 22 52            | 20° 0'47                     | 5≈22                    | 6°17           | 14° 3          | 2°11                    | 22°37           | 21°37          | 15°30          | 7°59          | 21°41          | 1°44                    | 1°17                 | 14°12          | 19°43          | S 13         |
| M14          | 5 26 49            | 21° 1'49                     | 18°10                   | 6° 0           | 15°18          | 2°56                    | 22°36           | 21°44          | 15°30          | 7°59          | 21°40          | 1°38                    | 1°14                 | 14°18          | 19°41          | M14          |
| T 15         | 5 30 45            | 22° 2'52                     | 0 <b>∺</b> 36           | 5°30           | 16°32          | 3°42                    | 22°35           | 21°50          | 15°29          | 7°59          | 21°39          | 1°34                    | 1°11                 | 14°25          | 19°38          | T 15         |
| W16          | 5 34 42            | 23° 3'55                     | 12°44                   | 4°49           | 17°47          | 4°28                    | 22°34           | 21°57          | 15°29          | 7°59          | 21°38          | 1°32                    | 1° 8                 | 14°32          | 19°36          | W16          |
| T 17         | 5 38 38            | 24° 4'59                     | 24°40                   | 3°57           | 19° 2          | 5°13                    | 22°33           | 22° 3          | 15°28          | 7°59          | 21°37          | 1°31                    | 1° 5<br>1° 2         | 14°38          | 19°33          | T 17         |
| F 18<br>S 19 | 5 42 35<br>5 46 31 | 25° 6'03<br>26° 7'07         | 6 <b>Υ</b> 29<br>18°16  | 2°55<br>1°44   | 20°17<br>21°31 | 5°59<br>6°45            | 22°31<br>22°30  | 22°10<br>22°17 | 15°28<br>15°27 | 7°58<br>7°58  | 21°36<br>21°35 | 1°31<br>1°31            | 0°58                 | 14°45<br>14°52 | 19°31<br>19°29 | F 18<br>S 19 |
|              |                    |                              |                         |                | _              |                         |                 |                |                |               |                |                         |                      | _              |                |              |
| S 20         | 5 50 28            | 27° 8'12                     | 0 <b>8</b> 7            | 0°27           | 22°46          | 7°31                    | 22°28           | 22°23          | 15°27          | 7°58          | 21°33          | 1°28                    | 0°55                 | 14°58          | 19°26          | S 20         |
| M21          | 5 54 25            | 28° 9'17                     | 12° 7                   | 29 🗷 5         | 24° 0          | 8°17                    | 22°26           | 22°30          | 15°27          | 7°58          | 21°32          | 1°22                    | 0°52                 | 15° 5          | 19°24          | M21          |
| T 22<br>W23  | 5 58 21            | 29°10'23<br>0 <b>る</b> 11'29 | 24°20<br>6 <b>∏</b> 47  | 27°43<br>26°21 | 25°15<br>26°30 | 9° 3<br>9°49            | 22°23<br>22°21  | 22°37<br>22°43 | 15°27<br>15°27 | 7°57<br>7°57  | 21°31<br>21°30 | 1°14<br>1° 3            | 0°49                 | 15°12<br>15°18 | 19°22<br>19°20 | T 22<br>W23  |
| T 24         | 6 2 18<br>6 6 14   | 1°12'35                      | 19°32                   | 25° 4          | 20°30<br>27°44 | 10°35                   | 22°18           | 22°43<br>22°50 | 15°27<br>15°26 | 7°56          | 21°30<br>21°29 | 0°50                    | 0°46<br>0°42         | 15°18          | 19°20          | T 24         |
| F 25         | 6 10 11            | 2°13'41                      | 2932                    | 23°53          | 28°59          | 10°33                   | 22°15           | 22°57          | 15°26          | 7°56          | 21°28          | 0°36                    | 0°39                 | 15°32          | 19°17          | F 25         |
| S 26         | 6 14 7             | 3°14'48                      | 15°48                   | 22°50          | 0 <b>≈</b> 13  | 12° 7                   | 22°12           | 23° 4          | 15°D26         | 7°56          | 21°26          | 0°23                    | 0°36                 | 15°38          | 19°13          | S 26         |
|              |                    |                              |                         |                |                |                         |                 |                |                |               |                |                         |                      |                | -              |              |
| S 27         | 6 18 4             | 4°15'56                      | 29°17                   | 21°57          | 1°28<br>2°42   | 12°53                   | 22° 9           | 23°11          | 15°26          | 7°55          | 21°25          | 0°11<br>0°2             | 0°33                 | 15°45          | 19°11<br>19° 9 | S 27         |
| M28<br>T 29  | 6 22 0<br>6 25 57  | 5°17'03<br>6°18'11           | 12 <b>Ω</b> 56<br>26°43 | 21°14<br>20°42 | 3°57           | 13°40<br>14°26          | 22° 6<br>22° 2  | 23°18<br>23°24 | 15°26<br>15°27 | 7°54<br>7°54  | 21°24<br>21°23 | 29 <b>)</b> 56          | 0°30<br>0°27         | 15°52<br>15°58 | 19° 9          | M28<br>T 29  |
| W30          | 6 29 54            | 7°19'20                      | 10 <b>m</b> )37         | 20°42<br>20°20 | 5°11           | 15°12                   | 21°58           | 23°24<br>23°31 | 15°27          | 7°53          | 21°23          | 29 <b>X</b> 36<br>29°52 | 0°27<br>0°23         | 16° 5          | 19° /          | W30          |
| T 31         | 6 33 50            | 8 <b>云</b> 20'28             | 24 m) 35                | 20 20 8        | 6 <b>≈</b> 26  | 15 12<br>15 <b>そ</b> 59 | 21054           | 23 <b>ろ</b> 38 | $15^{\circ}27$ | 7 m 53        | 219520         | 29 <del>X</del> 51      | $0^{\circ}2^{\circ}$ | 16 <b>Υ</b> 11 | 198 4          | T 31         |
| 1 31         | 0 33 30            | 0 0 20 20                    | 2711/33                 | 207 0          | 0,520          | 13 037                  | 210637          | 23 036         | 10   27        | / III 33      | 21-320         | 27/(31                  | 0120                 | 10   11        | 170 7          | 1 31         |

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| Day         | Sid.t              | 0                    | D                      | ğ              | ·                    | ď               | 4              | ħ              | )Å(            | ¥              | Р              | V               | v                | Ç              | ķ               | Day         |
|-------------|--------------------|----------------------|------------------------|----------------|----------------------|-----------------|----------------|----------------|----------------|----------------|----------------|-----------------|------------------|----------------|-----------------|-------------|
| F 1         | 6 37 47            | 9 <b>ට</b> 21'38     | 8 <b>₾</b> 37          | 20°D 6         | 7≈40                 | 16 <b>පි</b> 45 | 21°R50         | 23 <b>る</b> 45 | 15 <b>℃</b> 27 | 7°R52          | 21°R19         | 29°R51          | 0 <b>Υ</b> 17    | 16 <b>Y</b> 18 | 19°R 2          | F 1         |
| S 2         | 6 41 43            | 10°22'47             | 22°42                  | 20 <b>×</b> 13 | 8°54                 | 17°31           | 21 <b>Ω</b> 46 | 23°52          | 15°28          | 7 <b>m</b> 51  | 219518         | 29 <b>米</b> 51  | 0°14             | 16°25          | 198 0           | S 2         |
| S 3         | 6 45 40            | 11°23'57             | 6 <b>M</b> 51          | 20°29          | 10° 9                | 18°18           | 21°41          | 23°59          | 15°28          | 7°51           | 21°16          | 29°49           | 0°11             | 16°31          | 18°59           | S 3         |
| M 4         | 6 49 36            | 12°25'08             | 21° 0                  | 20°52          | 11°23                | 19° 4           | 21°36          | 24° 6          | 15°29          | 7°50           | 21°15          | 29°44           | 0° 8             | 16°38          | 18°57           | M 4         |
| T 5<br>W 6  | 6 53 33<br>6 57 29 | 13°26'19<br>14°27'30 | 5 <b>₹</b> 9<br>19°12  | 21°22<br>21°58 | 12°37<br>13°52       | 19°51<br>20°37  | 21°32<br>21°27 | 24°13<br>24°20 | 15°29<br>15°30 | 7°49<br>7°48   | 21°14<br>21°13 | 29°36<br>29°26  | 0° 4<br>0° 1     | 16°45<br>16°51 | 18°56<br>18°54  | T 5<br>W 6  |
| T 7         | 7 1 26             | 15°28'41             | 3 <b>궁</b> 6           | 21°39          | 15° 6                | 21°24           | 21°21          | 24°28          | 15°30          | 7°47           | 21°11          | 29°14           | 29 <b>X</b> 58   | 16°58          | 18°53           | T 7         |
| F 8         | 7 5 23             | 16°29'52             | 16°46                  | 23°26          | 16°20                | 22°11           | 21°16          | 24°35          | 15°31          | 7°46           | 21°10          | 29° 2           | 29°55            | 17° 5          | 18°52           | F 8         |
| S 9         | 7 9 19             | 17°31'02             | 0≈ 9                   | 24°17          | 17°34                | 22°57           | 21°11          | 24°42          | 15°32          | 7°46           | 21° 9          | 28°50           | 29°52            | 17°11          | 18°50           | S 9         |
| S 10        | 7 13 16            | 18°32'13             | 13°12                  | 25°12          | 18°48                | 23°44           | 21° 5          | 24°49          | 15°32          | 7°45           | 21° 7          | 28°40           | 29°49            | 17°18          | 18°49           | S 10        |
| M11         | 7 17 12            | 19°33'23             | 25°56                  | 26°10          | 20° 3                | 24°31           | 20°59          | 24°56          | 15°33          | 7°44           | 21° 6          | 28°32           | 29°45            | 17°25          | 18°48           | M11         |
| T 12        | 7 21 9             | 20°34'32             | 8 <b>)</b> (20         | 27°12          | 21°17                | 25°18           | 20°53          | 25° 3          | 15°34          | 7°43           | 21° 5          | 28°28           | 29°42            | 17°31          | 18°47           | T 12        |
| W13<br>T 14 | 7 25 5<br>7 29 2   | 21°35'41<br>22°36'49 | 20°28<br>2 <b>Y</b> 25 | 28°16<br>29°23 | 22°31<br>23°45       | 26° 4<br>26°51  | 20°47<br>20°41 | 25°10<br>25°17 | 15°35<br>15°36 | 7°42<br>7°41   | 21° 4<br>21° 2 | 28°26<br>28°D26 | 29°39<br>29°36   | 17°38<br>17°45 | 18°46<br>18°45  | W13<br>T 14 |
| F 15        | 7 32 58            | 23°37'57             | 14°14                  | 0 <b>궁</b> 33  | 24°59                | 27°38           | 20°35          | 25°24          | 15°37          | 7°39           | 21° 1          | 28°26           | 29°33            | 17°51          | 18°44           | F 15        |
| S 16        | 7 36 55            | 24°39'04             | 26° 2                  | 1°44           | 26°13                | 28°25           | 20°28          | 25°32          | 15°38          | 7°38           | 21° 0          | 28°R26          | 29°29            | 17°58          | 18°43           | S 16        |
| S 17        | 7 40 52            | 25°40'10             | 7 <b>8</b> 54          | 2°57           | 27°27                | 29°12           | 20°22          | 25°39          | 15°39          | 7°37           | 20°58          | 28°25           | 29°26            | 18° 5          | 18°42           | S 17        |
| M18         | 7 44 48            | 26°41'15             | 19°55                  | 4°12           | 28°40                | 29°59           | 20°15          | 25°46          | 15°40          | 7°36           | 20°57          | 28°23           | 29°23            | 18°11          | 18°42           | M18         |
| T 19        | 7 48 45            | 27°42'20             | 2 <b>Ⅱ</b> 10          | 5°29           | 29°54                | 0≈46            | 20° 8          | 25°53          | 15°42          | 7°35           | 20°56          | 28°17           | 29°20            | 18°18          | 18°41           | T 19        |
| W20<br>T 21 | 7 52 41<br>7 56 38 | 28°43'24<br>29°44'27 | 14°43<br>27°37         | 6°47<br>8° 6   | 1 <b>米</b> 8<br>2°22 | 1°33<br>2°20    | 20° 1<br>19°54 | 26° 0<br>26° 7 | 15°43<br>15°44 | 7°34<br>7°32   | 20°55<br>20°53 | 28°10<br>28° 0  | 29°17<br>29°14   | 18°25<br>18°31 | 18°41<br>18°40  | W20<br>T 21 |
| F 22        | 8 0 34             | 0 <del>≈</del> 45'29 | 10952                  | 9°26           | 3°35                 | 3° 7            | 19°47          | 26°14          | 15°46          | 7°31           | 20°52          | 27°50           | 29°10            | 18°38          | 18°40           | F 22        |
| S 23        | 8 431              | 1°46'31              | 24°27                  | 10°48          | 4°49                 | 3°54            | 19°40          | 26°21          | 15°47          | 7°30           | 20°51          | 27°40           | 29° 7            | 18°44          | 18°39           | S 23        |
| S 24        | 8 8 28             | 2°47'32              | 8 <b>Ω</b> 20          | 12°10          | 6° 3                 | 4°41            | 19°32          | 26°29          | 15°48          | 7°29           | 20°49          | 27°31           | 29° 4            | 18°51          | 18°39           | S 24        |
| M25         | 8 12 24            | 3°48'32              | 22°26                  | 13°34          | 7°16                 | 5°28            | 19°25          | 26°36          | 15°50          | 7°27           | 20°48          | 27°24           | 29° 1            | 18°58          | 18°39           | M25         |
| T 26        | 8 16 21            | 4°49'31              | 6 <b>m</b> /40         | 14°59          | 8°30                 | 6°15            | 19°18          | 26°43          | 15°52          | 7°26           | 20°47          | 27°19           | 28°58            | 19° 4          | 18°38           | T 26        |
| W27<br>T 28 | 8 20 17<br>8 24 14 | 5°50'29<br>6°51'27   | 20°59<br>5 <b>Ω</b> 17 | 16°24<br>17°50 | 9°43<br>10°56        | 7° 2<br>7°50    | 19°10<br>19° 2 | 26°50<br>26°57 | 15°53<br>15°55 | 7°25<br>7°23   | 20°46<br>20°44 | 27°D18<br>27°18 | 28°55<br>28°51   | 19°11<br>19°18 | 18°38<br>18°D38 | W27<br>T 28 |
| F 29        | 8 24 14 8 28 10    | 7°52'24              | 19°32                  | 17°30<br>19°18 | 10°36<br>12°10       | 8°37            | 19° 2<br>18°55 | 20°57<br>27° 4 | 15°56          | 7°23           | 20°44<br>20°43 | 27°18<br>27°19  | 28°48            | 19°18          | 18°38           | F 29        |
| S 30        | 8 32 7             | 8°53'21              | 3M42                   | 20°46          | 13°23                | 9°24            | 18°47          | 27°11          | 15°58          | 7°20           | 20°42          | 27°R20          | 28°45            | 19°31          | 18°38           | S 30        |
| S 31        | 8 36 3             | 9≈54'17              | 17 <b>M</b> .45        | 22 <b>ਰ</b> 14 | 14 <b>)</b> 36       | 10≈11           | 18 <b>Ω</b> 39 | 27 <b>ਰ</b> 18 | 16 <b>Y</b> 0  | 7 <b>m</b> )19 | 209541         | 27 <b>)</b> 19  | 28 <b>) (</b> 42 | 19 <b>Ƴ</b> 38 | 18 <b>8</b> 38  | S 31        |

Delta T = 24.37 sec

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| Day  | Sid.t    | $\odot$          | D               | φ               | φ              | δ             | 4              | ħ              | )∤(           | ¥             | Р      | ß              | Ω              | Ç              | 8              | Day  |
|------|----------|------------------|-----------------|-----------------|----------------|---------------|----------------|----------------|---------------|---------------|--------|----------------|----------------|----------------|----------------|------|
| M 1  | 8 40 0   | 10≈55'12         | 1 <b>才</b> 40   | 23 <b>궁</b> 44  | 15 <b>)</b> 49 | 10≈58         | 18°R31         | 27 <b>る</b> 25 | 16 <b>Υ</b> 2 | 7°R18         | 20°R40 | 27°R17         | 28 <b>米</b> 39 | 19 <b>Y</b> 44 | 18 <b>8</b> 39 | M 1  |
| T 2  | 8 43 57  | 11°56'07         | 15°27           | 25°14           | 17° 2          | 11°46         | $18\Omega 24$  | 27°32          | 16° 4         | 7 <b>m</b> 16 | 20938  | 27 <b>)</b> 13 | 28°35          | 19°51          | 18°39          | T 2  |
| W 3  | 8 47 53  | 12°57'01         | 29° 4           | 26°45           | 18°15          | 12°33         | 18°16          | 27°39          | 16° 6         | 7°15          | 20°37  | 27° 7          | 28°32          | 19°58          | 18°39          | W 3  |
| T 4  | 8 51 50  | 13°57'54         | 12 <b>る</b> 31  | 28°17           | 19°28          | 13°20         | 18° 8          | 27°46          | 16° 8         | 7°13          | 20°36  | 27° 0          | 28°29          | 20° 4          | 18°40          | T 4  |
| F 5  | 8 55 46  | 14°58'46         | 25°45           | 29°50           | 20°41          | 14° 7         | 18° 0          | 27°53          | 16°10         | 7°12          | 20°35  | 26°52          | 28°26          | 20°11          | 18°40          | F 5  |
| S 6  | 8 59 43  | 15°59'36         | 8 <b>≈</b> 45   | 1≈23            | 21°54          | 14°55         | 17°52          | 28° 0          | 16°12         | 7°10          | 20°34  | 26°45          | 28°23          | 20°18          | 18°41          | S 6  |
| S 7  | 9 3 39   | 17° 0'26         | 21°30           | 2°57            | 23° 6          | 15°42         | 17°44          | 28° 7          | 16°14         | 7° 9          | 20°33  | 26°39          | 28°20          | 20°24          | 18°41          | S 7  |
| M 8  | 9 7 3 6  | 18° 1'14         | 4 <b>) (</b> 1  | 4°32            | 24°19          | 16°29         | 17°36          | 28°14          | 16°16         | 7° 7          | 20°31  | 26°34          | 28°16          | 20°31          | 18°42          | M 8  |
| T 9  | 9 11 32  | 19° 2'01         | 16°17           | 6° 8            | 25°32          | 17°17         | 17°28          | 28°20          | 16°18         | 7° 5          | 20°30  | 26°32          | 28°13          | 20°38          | 18°43          | T 9  |
| W10  | 9 15 29  | 20° 2'47         | 28°22           | 7°45            | 26°44          | 18° 4         | 17°20          | 28°27          | 16°20         | 7° 4          | 20°29  | 26°D31         | 28°10          | 20°44          | 18°43          | W10  |
| T 11 | 9 19 26  | 21° 3'31         | 10 <b>Y</b> 17  | 9°22            | 27°57          | 18°52         | 17°12          | 28°34          | 16°22         | 7° 2          | 20°28  | 26°32          | 28° 7          | 20°51          | 18°44          | T 11 |
| F 12 | 9 23 22  | 22° 4'13         | 22° 6           | 11° 0           | 29° 9          | 19°39         | 17° 4          | 28°41          | 16°25         | 7° 1          | 20°27  | 26°34          | 28° 4          | 20°58          | 18°45          | F 12 |
| S 13 | 9 27 19  | 23° 4'54         | 3 <b>8</b> 54   | 12°39           | 0 <b>Υ</b> 21  | 20°26         | 16°56          | 28°48          | 16°27         | 6°59          | 20°26  | 26°36          | 28° 0          | 21° 4          | 18°46          | S 13 |
| S 14 | 9 31 15  | 24° 5'33         | 15°45           | 14°19           | 1°33           | 21°14         | 16°48          | 28°54          | 16°29         | 6°57          | 20°25  | 26°37          | 27°57          | 21°11          | 18°47          | S 14 |
| M15  | 9 35 12  | 25° 6'11         | 27°45           | 15°59           | 2°45           | 22° 1         | 16°40          | 29° 1          | 16°32         | 6°56          | 20°24  | 26°R37         | 27°54          | 21°18          | 18°48          | M15  |
| T 16 | 9 39 8   | 26° 6'47         | 9∏58            | 17°41           | 3°57           | 22°48         | 16°33          | 29° 8          | 16°34         | 6°54          | 20°23  | 26°36          | 27°51          | 21°24          | 18°49          | T 16 |
| W17  | 9 43 5   | 27° 7'21         | 22°30           | 19°23           | 5° 9           | 23°36         | 16°25          | 29°14          | 16°37         | 6°53          | 20°22  | 26°34          | 27°48          | 21°31          | 18°51          | W17  |
| T 18 | 9 47 1   | 28° 7'54         | 59524           | 21° 6           | 6°21           | 24°23         | 16°17          | 29°21          | 16°39         | 6°51          | 20°21  | 26°31          | 27°45          | 21°38          | 18°52          | T 18 |
| F 19 | 9 50 58  | 29° 8'24         | 18°42           | 22°50           | 7°33           | 25°11         | 16°10          | 29°27          | 16°42         | 6°49          | 20°20  | 26°26          | 27°41          | 21°44          | 18°53          | F 19 |
| S 20 | 9 54 55  | 0₩ 8'53          | 2 <b>Ω</b> 25   | 24°35           | 8°44           | 25°58         | 16° 2          | 29°34          | 16°44         | 6°48          | 20°19  | 26°22          | 27°38          | 21°51          | 18°55          | S 20 |
| S 21 | 9 58 51  | 1° 9'20          | 16°32           | 26°21           | 9°56           | 26°45         | 15°55          | 29°40          | 16°47         | 6°46          | 20°18  | 26°18          | 27°35          | 21°58          | 18°56          | S 21 |
| M22  | 10 2 48  | 2° 9'46          | 0 <b>m</b> 58   | 28° 8           | 11° 7          | 27°33         | 15°47          | 29°47          | 16°50         | 6°44          | 20°17  | 26°16          | 27°32          | 22° 4          | 18°58          | M22  |
| T 23 | 10 6 44  | 3°10'10          | 15°37           | 29°56           | 12°19          | 28°20         | 15°40          | 29°53          | 16°52         | 6°43          | 20°16  | 26°14          | 27°29          | 22°11          | 18°59          | T 23 |
| W24  | 10 10 41 | 4°10'32          | ე <u>ჲ</u> 23   | 1 <b>) (</b> 45 | 13°30          | 29° 7         | 15°33          | 29°59          | 16°55         | 6°41          | 20°15  | 26°D14         | 27°26          | 22°17          | 19° 1          | W24  |
| T 25 | 10 14 37 | 5°10'52          | 15° 9           | 3°35            | 14°41          | 29°55         | 15°25          | 0≈ 6           | 16°58         | 6°39          | 20°14  | 26°15          | 27°22          | 22°24          | 19° 3          | T 25 |
| F 26 | 10 18 34 | 6°11'11          | 29°48           | 5°25            | 15°52          | 0 <b>)</b> 42 | 15°18          | 0°12           | 17° 0         | 6°38          | 20°13  | 26°16          | 27°19          | 22°31          | 19° 4          | F 26 |
| S 27 | 10 22 30 | 7°11'29          | 14 <b>M</b> .15 | 7°17            | 17° 3          | 1°30          | 15°11          | 0°18           | 17° 3         | 6°36          | 20°13  | 26°17          | 27°16          | 22°37          | 19° 6          | S 27 |
| S 28 | 10 26 27 | 8°11'45          | 28°27           | 9° 9            | 18°13          | 2°17          | 15° 5          | 0°24           | 17° 6         | 6°34          | 20°12  | 26°18          | 27°13          | 22°44          | 19°8           | S 28 |
| M29  | 10 30 24 | 9 <b>∺</b> 12'00 | 12 <b>×</b> 23  | 11 <b>米</b> 3   | 19 <b>Y</b> 24 | 3 <b>∺</b> 4  | 14 <b>Ω</b> 58 | 0≈30           | 17 <b>Υ</b> 9 | 6 <b>m</b> 33 | 209511 | 26°R18         | 27 <b>)</b> 10 | 22 <b>Y</b> 51 | 19 <b>8</b> 10 | M29  |

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| Day          | Sid.t                | 0                           | D                      | ğ               | ·                       | ð                       | 4                       | ħ                     | )ұ(                     | ¥             | В                       | n                      | ß                        | Ç                       | ę,                      | Day          |
|--------------|----------------------|-----------------------------|------------------------|-----------------|-------------------------|-------------------------|-------------------------|-----------------------|-------------------------|---------------|-------------------------|------------------------|--------------------------|-------------------------|-------------------------|--------------|
| T 1          | 10 34 20             | 10 <b>∺</b> 12'14           | 26 <b>½</b> 1          | 12 <b>米</b> 57  | 20 <b>Y</b> 34          | 3 <b>∺</b> 52           | 14°R51                  | 0≈36                  | 17 <b>Y</b> 12          | 6°R31         | 20°R10                  | 26°R18                 | 27 <b>米</b> 6            | 22 <b>Y</b> 57          | 19812                   | T 1          |
| W 2          | 10 38 17             | 11°12'26                    | 9 <b>군</b> 23          | 14°51           | 21°45                   | 4°39                    | 14 <b>Ω</b> 45          | 0°42                  | 17°15                   | 6 <b>m</b> 29 | 209510                  | 26 <b></b> 16          | 27° 3                    | 23° 4                   | 19°14                   | W 2          |
| T 3<br>F 4   | 10 42 13<br>10 46 10 | 12°12'37<br>13°12'45        | 22°28<br>5 <b>≈</b> 20 | 16°47<br>18°43  | 22°55<br>24° 5          | 5°26<br>6°14            | 14°38<br>14°32          | 0°48<br>0°54          | 17°18<br>17°21          | 6°28<br>6°26  | 20° 9<br>20° 8          | 26°15<br>26°13         | 27° 0<br>26°57           | 23°11<br>23°17          | 19°16<br>19°18          | T 3<br>F 4   |
| S 5          | 10 50 6              | 14°12'52                    | 17°57                  | 20°39           | 25°15                   | 7° 1                    | 14°26                   | 1° 0                  | 17°24                   | 6°24          | 20° 7                   | 26°11                  | 26°54                    | 23°24                   | 19°21                   | S 5          |
| S 6          | 10 54 3              | 15°12'58                    | 0 <b>¥</b> 23          | 22°35           | 26°25                   | 7°48                    | 14°20                   | 1° 6                  | 17°27                   | 6°23          | 20° 7                   | 26° 9                  | 26°51                    | 23°31                   | 19°23                   | S 6          |
| M 7          | 10 57 59             | 16°13'01                    | 12°38                  | 24°31           | 27°35                   | 8°36                    | 14°14                   | 1°12                  | 17°30                   | 6°21          | 20° 6                   | 26° 8                  | 26°47                    | 23°37                   | 19°25                   | M 7          |
| T 8          | 11 1 56              | 17°13'03                    | 24°43                  | 26°27           | 28°44                   | 9°23                    | 14° 8                   | 1°17                  | 17°33                   | 6°19          | 20° 5                   | 26°D 8                 | 26°44                    | 23°44                   | 19°28                   | T 8          |
| W 9          | 11 5 53              | 18°13'02                    | 6 <b>Υ</b> 40          | 28°23           | 29°54                   | 10°10                   | 14° 3                   | 1°23                  | 17°36                   | 6°18          | 20° 5                   | 26° 8                  | 26°41                    | 23°51                   | 19°30                   | W 9          |
| T 10         | 11 9 49              | 19°13'00                    | 18°32                  | 0 <b>Υ</b> 17   | 18 3                    | 10°58                   | 13°57                   | 1°29                  | 17°39                   | 6°16          | 20° 4                   | 26° 9                  | 26°38                    | 23°57                   | 19°33                   | T 10         |
| F 11<br>S 12 | 11 13 46<br>11 17 42 | 20°12'56<br>21°12'49        | 0 <b>8</b> 20<br>12° 8 | 2°11<br>4° 3    | 2°12<br>3°21            | 11°45<br>12°32          | 13°52<br>13°47          | 1°34<br>1°39          | 17°42<br>17°45          | 6°14<br>6°13  | 20° 4<br>20° 3          | 26° 9<br>26°10         | 26°35<br>26°32           | 24° 4<br>24°11          | 19°35<br>19°38          | F 11<br>S 12 |
|              |                      |                             | 24° 0                  | 5°53            | 4°30                    | 13°19                   | 13°42                   | 1°45                  | 17°48                   | 6°11          | 20° 3                   | 26°11                  | 26°28                    | 24°17                   | 19°40                   | S 13         |
| S 13<br>M14  | 11 21 39<br>11 25 35 | 22°12'40<br>23°12'30        | 6 <b>Ⅱ</b> 0           | 7°40            | 5°39                    | 13°19<br>14° 7          | 13°42<br>13°37          | 1°43                  | 17°48<br>17°51          | 6°10          | 20° 3                   | 26°11                  | 26°25                    | 24°17<br>24°24          | 19°40<br>19°43          | M14          |
| T 15         | 11 29 32             | 24°12'17                    | 18°11                  | 9°25            | 6°47                    | 14°54                   | 13°33                   | 1°55                  | 17°55                   | 6° 8          | 20° 2                   | 26°11                  | 26°22                    | 24°31                   | 19°46                   | T 15         |
| W16          | 11 33 28             | 25°12'02                    | 0939                   | 11° 6           | 7°56                    | 15°41                   | 13°28                   | 2° 1                  | 17°58                   | 6° 6          | 20° 1                   | 26°R11                 | 26°19                    | 24°37                   | 19°48                   | W16          |
| T 17         | 11 37 25             | 26°11'44                    | 13°27                  | 12°43           | 9° 4                    | 16°28                   | 13°24                   | 2° 6                  | 18° 1                   | 6° 5          | 20° 1                   | 26°D11                 | 26°16                    | 24°44                   | 19°51                   | T 17         |
| F 18         | 11 41 22             | 27°11'24                    | 26°40                  | 14°16           | 10°12                   | 17°15                   | 13°20                   | 2°11                  | 18° 4                   | 6° 3          | 20° 0                   | 26°11                  | 26°12                    | 24°51                   | 19°54                   | F 18         |
| S 19         | 11 45 18             | 28°11'02                    | 10 <b>Ω</b> 19         | 15°44           | 11°20                   | 18° 2                   | 13°16                   | 2°16                  | 18° 8                   | 6° 2          | 20° 0                   | 26°11                  | 26° 9                    | 24°57                   | 19°57                   | S 19         |
| S 20         | 11 49 15             | 29°10'38                    | 24°25                  | 17° 7           | 12°27                   | 18°50                   | 13°12                   | 2°21                  | 18°11                   | 6° 0          | 20° 0                   | 26°12                  | 26° 6                    | 25° 4                   | 20° 0                   | S 20         |
| M21          | 11 53 11             | 0 <b>Υ</b> 10'11            | 8 Mp 56                | 18°25           | 13°35                   | 19°37                   | 13° 9                   | 2°26                  | 18°14                   | 5°59          | 19°59                   | 26°12                  | 26° 3                    | 25°11                   | 20° 3                   | M21          |
| T 22<br>W23  | 11 57 8<br>12 1 4    | 1° 9'43<br>2° 9'12          | 23°47<br>8 <b>£</b> 51 | 19°36<br>20°41  | 14°42<br>15°49          | 20°24<br>21°11          | 13° 5<br>13° 2          | 2°31<br>2°35          | 18°18<br>18°21          | 5°57<br>5°56  | 19°59<br>19°59          | 26°R12<br>26°12        | 26° 0<br>25°57           | 25°17<br>25°24          | 20° 6<br>20° 9          | T 22<br>W23  |
| T 24         | 12 1 4               | 3° 8'39                     | 23°58                  | 20°41<br>21°39  | 16°56                   | 21°58                   | 13°59                   | 2°40                  | 18°24                   | 5°54          | 19°59                   | 26°11                  | 25°53                    | 25°31                   | 20°12                   | T 24         |
| F 25         | 12 8 57              | 4° 8'04                     | 9 <b>m</b> 1           | 22°30           | 18° 2                   | 22°45                   | 12°56                   | 2°45                  | 18°28                   | 5°53          | 19°58                   | 26°11                  | 25°50                    | 25°37                   | 20°15                   | F 25         |
| S 26         | 12 12 54             | 5° 7'28                     | 23°51                  | 23°14           | 19° 9                   | 23°32                   | 12°54                   | 2°49                  | 18°31                   | 5°51          | 19°58                   | 26°10                  | 25°47                    | 25°44                   | 20°19                   | S 26         |
| S 27         | 12 16 50             | 6° 6'50                     | 8 <b>×</b> 21          | 23°50           | 20°15                   | 24°19                   | 12°51                   | 2°53                  | 18°34                   | 5°50          | 19°58                   | 26° 9                  | 25°44                    | 25°51                   | 20°22                   | S 27         |
| M28          | 12 20 47             | 7° 6'10                     | 2 <u>2°</u> 27         | 24°20           | 21°21                   | 25° 5                   | 12°49                   | 2°58                  | 18°38                   | 5°49          | 19°58                   | 26° 8                  | 25°41                    | 25°57                   | 20°25                   | M28          |
| T 29         | 12 24 44             | 8° 5'28                     | 6 <b>궁</b> 9           | 24°41           | 22°26                   | 25°52                   | 12°47                   | 3° 2                  | 18°41                   | 5°47          | 19°58                   | 26°D 7                 | 25°38                    | 26° 4                   | 20°29                   | T 29         |
| W30          | 12 28 40<br>12 32 37 | 9° 4'44<br>10 <b>°</b> 3'59 | 19°27<br>2 <b>≈</b> 24 | 24°55<br>25°R 2 | 23°32<br>24 <b>8</b> 37 | 26°39<br>27 <b>∺</b> 26 | 12°45<br>12 <b>Ω</b> 43 | 3° 6<br>3 <b>≈</b> 11 | 18°44<br>18 <b>°</b> 48 | 5°46          | 19°57<br>19 <b>©</b> 57 | 26° 8<br>26 <b>¥</b> 8 | 25°34<br>25 <b>)</b> (31 | 26°11<br>26 <b>°</b> 17 | 20°32<br>20 <b>8</b> 35 | W30<br>T 31  |
| T 31         | 12 32 3/             | 10 1 3 39                   | ∠ <b>≈</b> ≥∠4         | 23°K 2          | 2403/                   | 2/ <b>π</b> 26          | 128643                  | 3≈11                  | 18   48                 | 5 Mp 45       | 19893/                  | ∠0π 8                  | 23 <b>π</b> 31           | 20 T 1 /                | 20033                   | 1 31         |

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|------|----------|------------------|---------------|----------------|----------------|----------------|-----------------|------|----------------|----------------|--------|----------------|----------------|----------------|-------|------|
| F 1  | 12 36 33 | 11 <b>°</b> 3'12 | 15≈ 2         | 25°R 2         | 25 <b>8</b> 42 | 28 <b>)</b> 13 | 12°R42          | 3≈15 | 18 <b>Y</b> 51 | 5°R43          | 19°R57 | 26 <b>米</b> 10 | 25 <b>米</b> 28 | 26 <b>Y</b> 24 | 20839 | F 1  |
| S 2  | 12 40 30 | 12° 2'23         | 27°25         | 24 <b>Y</b> 54 | 26°47          | 29° 0          | 12 <b>\O</b> 40 | 3°19 | 18°55          | 5 Mp 42        | 19957  | 26°11          | 25°25          | 26°31          | 20°42 | S 2  |
| S 3  | 12 44 26 | 13° 1'32         | 9 <b>∺</b> 35 | 24°40          | 27°51          | 29°46          | 12°39           | 3°22 | 18°58          | 5°41           | 19°D57 | 26°12          | 25°22          | 26°37          | 20°46 | S 3  |
| M 4  | 12 48 23 | 14° 0'39         | 21°37         | 24°20          | 28°55          | 0 <b>Υ</b> 33  | 12°38           | 3°26 | 19° 1          | 5°40           | 19°57  | 26°R13         | 25°18          | 26°44          | 20°49 | M 4  |
| T 5  | 12 52 19 | 14°59'44         | 3 <b>Υ</b> 31 | 23°54          | 29°59          | 1°20           | 12°37           | 3°30 | 19° 5          | 5°38           | 19°57  | 26°13          | 25°15          | 26°51          | 20°53 | T 5  |
| W 6  | 12 56 16 | 15°58'48         | 15°22         | 23°23          | 1 <b>II</b> 3  | 2° 6           | 12°37           | 3°34 | 19° 8          | 5°37           | 19°57  | 26°12          | 25°12          | 26°57          | 20°56 | W 6  |
| T 7  | 13 0 13  | 16°57'49         | 27°11         | 22°47          | 2° 6           | 2°53           | 12°36           | 3°37 | 19°12          | 5°36           | 19°58  | 26° 9          | 25° 9          | 27° 4          | 21° 0 | T 7  |
| F 8  | 13 4 9   | 17°56'48         | 9 <b>8</b> 0  | 22° 8          | 3° 9           | 3°40           | 12°36           | 3°41 | 19°15          | 5°35           | 19°58  | 26° 6          | 25° 6          | 27°11          | 21° 4 | F 8  |
| S 9  | 13 8 6   | 18°55'45         | 20°51         | 21°25          | 4°12           | 4°26           | 12°D36          | 3°44 | 19°19          | 5°34           | 19°58  | 26° 3          | 25° 3          | 27°17          | 21° 7 | S 9  |
| S 10 | 13 12 2  | 19°54'40         | 2∐46          | 20°41          | 5°14           | 5°13           | 12°36           | 3°47 | 19°22          | 5°33           | 19°58  | 25°59          | 24°59          | 27°24          | 21°11 | S 10 |
| M11  | 13 15 59 | 20°53'33         | 14°49         | 19°56          | 6°16           | 5°59           | 12°37           | 3°51 | 19°25          | 5°31           | 19°58  | 25°55          | 24°56          | 27°31          | 21°15 | M11  |
| T 12 | 13 19 55 | 21°52'24         | 27° 2         | 19°10          | 7°18           | 6°46           | 12°37           | 3°54 | 19°29          | 5°30           | 19°58  | 25°52          | 24°53          | 27°37          | 21°19 | T 12 |
| W13  | 13 23 52 | 22°51'12         | 99528         | 18°25          | 8°19           | 7°32           | 12°38           | 3°57 | 19°32          | 5°29           | 19°59  | 25°50          | 24°50          | 27°44          | 21°23 | W13  |
| T 14 | 13 27 48 | 23°49'58         | 22°13         | 17°41          | 9°20           | 8°18           | 12°39           | 4° 0 | 19°36          | 5°28           | 19°59  | 25°D49         | 24°47          | 27°51          | 21°26 | T 14 |
| F 15 | 13 31 45 | 24°48'42         | 5 <b>Ω</b> 18 | 17° 0          | 10°21          | 9° 5           | 12°40           | 4° 3 | 19°39          | 5°27           | 19°59  | 25°49          | 24°43          | 27°57          | 21°30 | F 15 |
| S 16 | 13 35 42 | 25°47'24         | 18°48         | 16°21          | 11°21          | 9°51           | 12°41           | 4° 6 | 19°43          | 5°26           | 19°59  | 25°51          | 24°40          | 28° 4          | 21°34 | S 16 |
| S 17 | 13 39 38 | 26°46'03         | 2 Mp 44       | 15°46          | 12°21          | 10°37          | 12°43           | 4° 8 | 19°46          | 5°26           | 20° 0  | 25°52          | 24°37          | 28°11          | 21°38 | S 17 |
| M18  | 13 43 35 | 27°44'40         | 17° 6         | 15°15          | 13°20          | 11°23          | 12°45           | 4°11 | 19°49          | 5°25           | 20° 0  | 25°53          | 24°34          | 28°17          | 21°42 | M18  |
| T 19 | 13 47 31 | 28°43'15         | 1 <b>≏</b> 52 | 14°48          | 14°19          | 12°10          | 12°46           | 4°13 | 19°53          | 5°24           | 20° 1  | 25°R53         | 24°31          | 28°24          | 21°46 | T 19 |
| W20  | 13 51 28 | 29°41'48         | 16°57         | 14°25          | 15°18          | 12°56          | 12°48           | 4°16 | 19°56          | 5°23           | 20° 1  | 25°52          | 24°28          | 28°31          | 21°50 | W20  |
| T 21 | 13 55 24 | 0840'18          | 2 <b>M</b> 12 | 14° 8          | 16°16          | 13°42          | 12°51           | 4°18 | 20° 0          | 5°22           | 20° 1  | 25°49          | 24°24          | 28°37          | 21°54 | T 21 |
| F 22 | 13 59 21 | 1°38'47          | 17°27         | 13°55          | 17°14          | 14°28          | 12°53           | 4°20 | 20° 3          | 5°21           | 20° 2  | 25°45          | 24°21          | 28°44          | 21°58 | F 22 |
| S 23 | 14 3 17  | 2°37'15          | 2 <b>₹</b> 32 | 13°47          | 18°11          | 15°14          | 12°56           | 4°23 | 20° 6          | 5°21           | 20° 2  | 25°39          | 24°18          | 28°51          | 22° 2 | S 23 |
| S 24 | 14 7 14  | 3°35'40          | 17°17         | 13°D45         | 19° 7          | 16° 0          | 12°58           | 4°25 | 20°10          | 5°20           | 20° 3  | 25°34          | 24°15          | 28°57          | 22° 6 | S 24 |
| M25  | 14 11 11 | 4°34'04          | 1 <b>る</b> 37 | 13°47          | 20° 4          | 16°46          | 13° 1           | 4°27 | 20°13          | 5°19           | 20° 3  | 25°29          | 24°12          | 29° 4          | 22°10 | M25  |
| T 26 | 14 15 7  | 5°32'26          | 15°29         | 13°54          | 20°59          | 17°32          | 13° 4           | 4°28 | 20°16          | 5°19           | 20° 4  | 25°26          | 24° 9          | 29°11          | 22°14 | T 26 |
| W27  | 14 19 4  | 6°30'47          | 28°52         | 14° 6          | 21°54          | 18°17          | 13° 8           | 4°30 | 20°20          | 5°18           | 20° 4  | 25°24          | 24° 5          | 29°17          | 22°18 | W27  |
| T 28 | 14 23 0  | 7°29'06          | 11≈49         | 14°23          | 22°49          | 19° 3          | 13°11           | 4°32 | 20°23          | 5°17           | 20° 5  | 25°D24         | 24° 2          | 29°24          | 22°22 | T 28 |
| F 29 | 14 26 57 | 8°27'24          | 24°23         | 14°44          | 23°43          | 19°49          | 13°15           | 4°33 | 20°26          | 5°17           | 20° 6  | 25°25          | 23°59          | 29°31          | 22°26 | F 29 |
| S 30 | 14 30 53 | 9825'40          | 6 <b>∺</b> 39 | 15 <b>Y</b> 10 | 24Ⅲ36          | 20 <b>Y</b> 35 | 13 <b>Ω</b> 18  | 4≈35 | 20 <b>Y</b> 30 | 5 <b>M</b> p16 | 209 6  | 25 <b>∺</b> 26 | 23 <b>米</b> 56 | 29 <b>Y</b> 37 | 22831 | S 30 |

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|------|----------|------------------|-----------------|----------------|--------|----------------|----------------|-------|----------------|---------------|--------|----------------|----------------|----------------|----------------|------|
| S 1  | 14 34 50 | 10823'54         | 18 <b>)</b> (42 | 15 <b>Y</b> 40 | 25耳28  | 21 <b>Y</b> 20 | 13 <b>N</b> 22 | 4≈36  | 20 <b>Y</b> 33 | 5°R16         | 2095 7 | 25 <b>)</b> 27 | 23 <b>米</b> 53 | 29 <b>Y</b> 44 | 22 <b>8</b> 35 | S 1  |
| M 2  | 14 38 46 | 11°22'07         | 0 <b>Υ</b> 36   | 16°14          | 26°20  | 22° 6          | 13°26          | 4°38  | 20°36          | 5 <b>m</b> 15 | 20° 8  | 25°R27         | 23°49          | 29°51          | 22°39          | M 2  |
| T 3  | 14 42 43 | 12°20'19         | 12°26           | 16°52          | 27°12  | 22°52          | 13°31          | 4°39  | 20°40          | 5°15          | 20° 8  | 25°26          | 23°46          | 29°57          | 22°43          | T 3  |
| W 4  | 14 46 40 | 13°18'29         | 24°13           | 17°34          | 28° 2  | 23°37          | 13°35          | 4°40  | 20°43          | 5°14          | 20° 9  | 25°22          | 23°43          | 0 <b>8</b> 4   | 22°47          | W 4  |
| T 5  | 14 50 36 | 14°16'37         | 6 <b>8</b> 2    | 18°20          | 28°52  | 24°23          | 13°40          | 4°41  | 20°46          | 5°14          | 20°10  | 25°16          | 23°40          | 0°11           | 22°51          | T 5  |
| F 6  | 14 54 33 | 15°14'43         | 17°53           | 19° 9          | 29°42  | 25° 8          | 13°44          | 4°42  | 20°49          | 5°14          | 20°11  | 25° 8          | 23°37          | 0°17           | 22°56          | F 6  |
| S 7  | 14 58 29 | 16°12'48         | 29°50           | 20° 1          | 0න30   | 25°53          | 13°49          | 4°43  | 20°52          | 5°13          | 20°11  | 24°59          | 23°34          | 0°24           | 23° 0          | S 7  |
| S 8  | 15 2 26  | 17°10'52         | 11耳53           | 20°56          | 1°18   | 26°39          | 13°54          | 4°43  | 20°56          | 5°13          | 20°12  | 24°49          | 23°30          | 0°31           | 23° 4          | S 8  |
| M 9  | 15 6 22  | 18° 8'53         | 24° 4           | 21°55          | 2° 4   | 27°24          | 14° 0          | 4°44  | 20°59          | 5°13          | 20°13  | 24°39          | 23°27          | 0°37           | 23° 8          | M 9  |
| T 10 | 15 10 19 | 19° 6'53         | 6925            | 22°57          | 2°50   | 28° 9          | 14° 5          | 4°45  | 21° 2          | 5°12          | 20°14  | 24°31          | 23°24          | 0°44           | 23°13          | T 10 |
| W11  | 15 14 15 | 20° 4'51         | 18°57           | 24° 1          | 3°35   | 28°54          | 14°11          | 4°45  | 21° 5          | 5°12          | 20°15  | 24°24          | 23°21          | 0°51           | 23°17          | W11  |
| T 12 | 15 18 12 | 21° 2'47         | 1 <b>Ω</b> 44   | 25° 8          | 4°19   | 29°40          | 14°16          | 4°45  | 21° 8          | 5°12          | 20°16  | 24°20          | 23°18          | 0°57           | 23°21          | T 12 |
| F 13 | 15 22 9  | 22° 0'42         | 14°47           | 26°18          | 5° 3   | 0 <b>8</b> 25  | 14°22          | 4°45  | 21°11          | 5°12          | 20°17  | 24°19          | 23°15          | 1° 4           | 23°25          | F 13 |
| S 14 | 15 26 5  | 22°58'34         | 28°11           | 27°31          | 5°45   | 1°10           | 14°28          | 4°46  | 21°14          | 5°12          | 20°18  | 24°D18         | 23°11          | 1°11           | 23°29          | S 14 |
| S 15 | 15 30 2  | 23°56'25         | 11 <b>m</b> 56  | 28°46          | 6°26   | 1°55           | 14°34          | 4°R46 | 21°17          | 5°12          | 20°19  | 24°19          | 23° 8          | 1°17           | 23°34          | S 15 |
| M16  | 15 33 58 | 24°54'14         | 26° 5           | 0 <b>8</b> 4   | 7° 5   | 2°40           | 14°41          | 4°46  | 21°20          | 5°12          | 20°20  | 24°R19         | 23° 5          | 1°24           | 23°38          | M16  |
| T 17 | 15 37 55 | 25°52'01         | 10 <b>≏</b> 36  | 1°24           | 7°44   | 3°24           | 14°47          | 4°45  | 21°23          | 5°D12         | 20°21  | 24°18          | 23° 2          | 1°31           | 23°42          | T 17 |
| W18  | 15 41 51 | 26°49'47         | 25°28           | 2°47           | 8°22   | 4° 9           | 14°54          | 4°45  | 21°26          | 5°12          | 20°22  | 24°15          | 22°59          | 1°37           | 23°46          | W18  |
| T 19 | 15 45 48 | 27°47'31         | 10 <b>M</b> 33  | 4°12           | 8°58   | 4°54           | 15° 0          | 4°45  | 21°29          | 5°12          | 20°23  | 24°10          | 22°55          | 1°44           | 23°51          | T 19 |
| F 20 | 15 49 44 | 28°45'14         | 25°43           | 5°39           | 9°33   | 5°39           | 15° 7          | 4°44  | 21°32          | 5°12          | 20°24  | 24° 2          | 22°52          | 1°51           | 23°55          | F 20 |
| S 21 | 15 53 41 | 29°42'55         | 10 <b>∡</b> 748 | 7° 9           | 10° 7  | 6°23           | 15°14          | 4°44  | 21°35          | 5°12          | 20°25  | 23°52          | 22°49          | 1°58           | 23°59          | S 21 |
| S 22 | 15 57 38 | 0 <b>Ⅱ</b> 40'35 | 25°37           | 8°41           | 10°39  | 7° 8           | 15°21          | 4°43  | 21°38          | 5°12          | 20°26  | 23°43          | 22°46          | 2° 4           | 24° 3          | S 22 |
| M23  | 16 1 34  | 1°38'14          | 10중 4           | 10°15          | 11°10  | 7°53           | 15°28          | 4°42  | 21°41          | 5°12          | 20°27  | 23°34          | 22°43          | 2°11           | 24° 8          | M23  |
| T 24 | 16 5 31  | 2°35'52          | 24° 2           | 11°52          | 11°40  | 8°37           | 15°36          | 4°41  | 21°43          | 5°13          | 20°28  | 23°26          | 22°40          | 2°18           | 24°12          | T 24 |
| W25  | 16 9 27  | 3°33'29          | 7≈31            | 13°31          | 12° 8  | 9°22           | 15°43          | 4°40  | 21°46          | 5°13          | 20°29  | 23°21          | 22°36          | 2°24           | 24°16          | W25  |
| T 26 | 16 13 24 | 4°31'05          | 20°32           | 15°13          | 12°34  | 10° 6          | 15°51          | 4°39  | 21°49          | 5°13          | 20°30  | 23°19          | 22°33          | 2°31           | 24°20          | T 26 |
| F 27 | 16 17 20 | 5°28'40          | 3 <b>∺</b> 8    | 16°56          | 12°59  | 10°50          | 15°59          | 4°38  | 21°52          | 5°14          | 20°32  | 23°D18         | 22°30          | 2°38           | 24°24          | F 27 |
| S 28 | 16 21 17 | 6°26'14          | 15°25           | 18°42          | 13°22  | 11°35          | 16° 6          | 4°37  | 21°54          | 5°14          | 20°33  | 23°18          | 22°27          | 2°44           | 24°29          | S 28 |
| S 29 | 16 25 13 | 7°23'47          | 27°27           | 20°30          | 13°43  | 12°19          | 16°14          | 4°36  | 21°57          | 5°14          | 20°34  | 23°R18         | 22°24          | 2°51           | 24°33          | S 29 |
| M30  | 16 29 10 | 8°21'19          | 9 <b>Υ</b> 19   | 22°21          | 14° 2  | 13° 3          | 16°22          | 4°34  | 22° 0          | 5°15          | 20°35  | 23°17          | 22°21          | 2°58           | 24°37          | M30  |
| T 31 | 16 33 7  | 9Ⅱ18'50          | 21 <b>°</b> 7   | 24 <b>8</b> 13 | 149520 | 13 <b>8</b> 47 | 16 <b>N</b> 31 | 4≈33  | 22 <b>°</b> 2  | 5 <b>m</b> 15 | 20936  | 23 <b>米</b> 14 | 22 <b>)</b> 17 | 3 <b>8</b> 4   | 24841          | T 31 |

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| Day  | Sid.t    | 0        | D              | ğ             | φ      | ♂             | 4              | ħ     | )Å(           | ¥              | В      | v              | Ω                | Ç             | Š              | Day  |
|------|----------|----------|----------------|---------------|--------|---------------|----------------|-------|---------------|----------------|--------|----------------|------------------|---------------|----------------|------|
| W 1  | 16 37 3  | 10∏16′21 | 2 <b>8</b> 55  | 26 <b>8</b> 8 | 14936  | 14831         | 16 <b>Ω</b> 39 | 4°R31 | 22 <b>Y</b> 5 | 5 <b>m</b> )16 | 20938  | 23°R 8         | 22 <b>) (</b> 14 | 3 <b>8</b> 11 | 24 <b>8</b> 45 | W 1  |
| T 2  | 16 41 0  | 11°13'51 | 14°46          | 28° 5         | 14°49  | 15°15         | 16°47          | 4≈30  | 22° 7         | 5°16           | 20°39  | 23 <b>∺</b> 0  | 22°11            | 3°18          | 24°49          | T 2  |
| F 3  | 16 44 56 | 12°11'19 | 26°43          | 0耳 5          | 15° 1  | 15°59         | 16°56          | 4°28  | 22°10         | 5°17           | 20°40  | 22°49          | 22° 8            | 3°24          | 24°53          | F 3  |
| S 4  | 16 48 53 | 13° 8'47 | 8 <b>Ⅱ</b> 49  | 2° 6          | 15°10  | 16°43         | 17° 5          | 4°26  | 22°12         | 5°17           | 20°42  | 22°36          | 22° 5            | 3°31          | 24°58          | S 4  |
| S 5  | 16 52 49 | 14° 6'15 | 21° 3          | 4° 9          | 15°18  | 17°27         | 17°14          | 4°24  | 22°15         | 5°18           | 20°43  | 22°23          | 22° 1            | 3°38          | 25° 2          | S 5  |
| M 6  | 16 56 46 | 15° 3'41 | 3 <b>95</b> 27 | 6°14          | 15°23  | 18°11         | 17°22          | 4°22  | 22°17         | 5°19           | 20°44  | 22°10          | 21°58            | 3°44          | 25° 6          | M 6  |
| T 7  | 17 0 43  | 16° 1'06 | 16° 2          | 8°20          | 15°26  | 18°55         | 17°31          | 4°20  | 22°19         | 5°19           | 20°46  | 21°58          | 21°55            | 3°51          | 25°10          | T 7  |
| W 8  | 17 4 39  | 16°58'30 | 28°48          | 10°28         | 15°R26 | 19°38         | 17°41          | 4°18  | 22°22         | 5°20           | 20°47  | 21°49          | 21°52            | 3°58          | 25°14          | W 8  |
| T 9  | 17 8 36  | 17°55'54 | 11 <b>Ω</b> 46 | 12°38         | 15°24  | 20°22         | 17°50          | 4°15  | 22°24         | 5°21           | 20°48  | 21°43          | 21°49            | 4° 4          | 25°18          | T 9  |
| F 10 | 17 12 32 | 18°53'16 | 24°56          | 14°48         | 15°20  | 21° 5         | 17°59          | 4°13  | 22°26         | 5°22           | 20°50  | 21°40          | 21°46            | 4°11          | 25°22          | F 10 |
| S 11 | 17 16 29 | 19°50'37 | 8 Mp 22        | 16°59         | 15°14  | 21°49         | 18° 9          | 4°10  | 22°28         | 5°22           | 20°51  | 21°38          | 21°42            | 4°18          | 25°26          | S 11 |
| S 12 | 17 20 25 | 20°47'57 | 22° 3          | 19°11         | 15° 5  | 22°32         | 18°18          | 4° 8  | 22°30         | 5°23           | 20°52  | 21°38          | 21°39            | 4°24          | 25°30          | S 12 |
| M13  | 17 24 22 | 21°45'16 | 6 <b>₾</b> 3   | 21°23         | 14°53  | 23°16         | 18°28          | 4° 5  | 22°33         | 5°24           | 20°54  | 21°38          | 21°36            | 4°31          | 25°34          | M13  |
| T 14 | 17 28 18 | 22°42'34 | 20°20          | 23°35         | 14°39  | 23°59         | 18°37          | 4° 3  | 22°35         | 5°25           | 20°55  | 21°36          | 21°33            | 4°38          | 25°38          | T 14 |
| W15  | 17 32 15 | 23°39'51 | 4ML53          | 25°47         | 14°23  | 24°42         | 18°47          | 4° 0  | 22°37         | 5°26           | 20°57  | 21°32          | 21°30            | 4°45          | 25°42          | W15  |
| T 16 | 17 36 12 | 24°37'07 | 19°38          | 27°58         | 14° 4  | 25°25         | 18°57          | 3°57  | 22°39         | 5°27           | 20°58  | 21°26          | 21°27            | 4°51          | 25°45          | T 16 |
| F 17 | 17 40 8  | 25°34'23 | 4 <b>₹</b> 29  | 0න 8          | 13°43  | 26° 9         | 19° 7          | 3°54  | 22°41         | 5°28           | 21° 0  | 21°17          | 21°23            | 4°58          | 25°49          | F 17 |
| S 18 | 17 44 5  | 26°31'38 | 19°18          | 2°17          | 13°20  | 26°52         | 19°17          | 3°51  | 22°43         | 5°29           | 21° 1  | 21° 6          | 21°20            | 5° 5          | 25°53          | S 18 |
| S 19 | 17 48 1  | 27°28'53 | 3 <b>ප</b> 56  | 4°26          | 12°55  | 27°35         | 19°27          | 3°48  | 22°45         | 5°30           | 21° 3  | 20°55          | 21°17            | 5°11          | 25°57          | S 19 |
| M20  | 17 51 58 | 28°26'07 | 18°15          | 6°32          | 12°28  | 28°18         | 19°38          | 3°45  | 22°46         | 5°31           | 21° 4  | 20°45          | 21°14            | 5°18          | 26° 1          | M20  |
| T 21 | 17 55 54 | 29°23'20 | 2≈11           | 8°37          | 11°59  | 29° 1         | 19°48          | 3°42  | 22°48         | 5°32           | 21° 6  | 20°36          | 21°11            | 5°25          | 26° 4          | T 21 |
| W22  | 17 59 51 | 09520'34 | 15°40          | 10°41         | 11°28  | 29°43         | 19°58          | 3°38  | 22°50         | 5°33           | 21° 7  | 20°30          | 21° 7            | 5°31          | 26° 8          | W22  |
| T 23 | 18 3 47  | 1°17'47  | 28°42          | 12°42         | 10°55  | 0Д26          | 20° 9          | 3°35  | 22°52         | 5°34           | 21° 9  | 20°26          | 21° 4            | 5°38          | 26°12          | T 23 |
| F 24 | 18 7 44  | 2°15'00  | 11 <b>米</b> 21 | 14°42         | 10°22  | 1° 9          | 20°19          | 3°32  | 22°53         | 5°35           | 21°10  | 20°25          | 21° 1            | 5°45          | 26°15          | F 24 |
| S 25 | 18 11 41 | 3°12'13  | 23°40          | 16°39         | 9°47   | 1°52          | 20°30          | 3°28  | 22°55         | 5°37           | 21°12  | 20°D24         | 20°58            | 5°51          | 26°19          | S 25 |
| S 26 | 18 15 37 | 4° 9'26  | 5 <b>Ƴ</b> 43  | 18°35         | 9°11   | 2°34          | 20°41          | 3°25  | 22°57         | 5°38           | 21°13  | 20°R24         | 20°55            | 5°58          | 26°23          | S 26 |
| M27  | 18 19 34 | 5° 6'39  | 17°37          | 20°29         | 8°34   | 3°17          | 20°52          | 3°21  | 22°58         | 5°39           | 21°15  | 20°24          | 20°52            | 6° 5          | 26°26          | M27  |
| T 28 | 18 23 30 | 6° 3'51  | 29°27          | 22°20         | 7°57   | 3°59          | 21° 2          | 3°17  | 23° 0         | 5°40           | 21°16  | 20°22          | 20°48            | 6°11          | 26°30          | T 28 |
| W29  | 18 27 27 | 7° 1'05  | 11817          | 24°10         | 7°19   | 4°42          | 21°13          | 3°14  | 23° 1         | 5°42           | 21°18  | 20°17          | 20°45            | 6°18          | 26°33          | W29  |
| T 30 | 18 31 23 | 7958'18  | 23 <b>8</b> 12 | 25957         | 6942   | 5 <b>Ⅱ</b> 24 | 21 <b>Ω</b> 25 | 3≈10  | 23 <b>Y</b> 3 | 5 <b>M</b> 43  | 219519 | 20 <b>米</b> 10 | 20 <b>∺</b> 42   | 6 <b>8</b> 25 | 26 <b>8</b> 37 | T 30 |

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| Day          | Sid.t                | 0                    | D                       | ğ              | Ŷ                     | ð               | 4               | ħ            | )Å(             | 卉             | В              | ß              | v              | Ç             | ę,             | Day          |
|--------------|----------------------|----------------------|-------------------------|----------------|-----------------------|-----------------|-----------------|--------------|-----------------|---------------|----------------|----------------|----------------|---------------|----------------|--------------|
| F 1          | 18 35 20             | 8955'31              | 5 <b>Ⅱ</b> 15           | 279542         | 6°R 5                 | 6 <b>I</b> I 6  | 21 <b>Ω</b> 36  | 3°R 6        | 23 <b>°</b> 4   | 5 <b>m</b> 45 | 219521         | 20°R 0         | 20 <b>)</b> 39 | 6 <b>8</b> 31 | 26 <b>8</b> 40 | F 1          |
| S 2          | 18 39 16             | 9°52'44              | 17°30                   | 29°25          | 59528                 | 6°49            | 21°47           | 3≈ 2         | 23° 5           | 5°46          | 21°22          | 19 <b>米</b> 49 | 20°36          | 6°38          | 26°43          | S 2          |
| S 3          | 18 43 13             | 10°49'58             | 29°57                   | 1 <b>Ω</b> 6   | 4°52                  | 7°31            | 21°58           | 2°58         | 23° 7           | 5°47          | 21°24          | 19°37          | 20°33          | 6°45          | 26°47          | S 3          |
| M 4          | 18 47 10             | 11°47'11             | 12937                   | 2°45           | 4°16                  | 8°13            | 22° 9           | 2°54         | 23° 8           | 5°49          | 21°26          | 19°25          | 20°29          | 6°52          | 26°50          | M 4          |
| T 5          | 18 51 6              | 12°44'24             | 25°30                   | 4°21           | 3°42                  | 8°55            | 22°21           | 2°50         | 23° 9           | 5°50          | 21°27          | 19°15          | 20°26          | 6°58          | 26°53          | T 5          |
| W 6          | 18 55 3              | 13°41'38             | 8 <b>Ω</b> 35           | 5°56           | 3° 9                  | 9°37            | 22°32           | 2°46         | 23°10           | 5°52          | 21°29          | 19° 7          | 20°23          | 7° 5          | 26°57          | W 6          |
| T 7          | 18 58 59             | 14°38'51             | 21°52                   | 7°28           | 2°38                  | 10°19           | 22°44           | 2°42         | 23°11           | 5°53          | 21°30          | 19° 2          | 20°20          | 7°12          | 27° 0          | T 7          |
| F 8          | 19 2 56              | 15°36'04             | 5 <b>m</b> 19           | 8°58           | 2° 8                  | 11° 1           | 22°55<br>23° 7  | 2°38         | 23°12           | 5°55          | 21°32          | 18°59          | 20°17          | 7°18<br>7°25  | 27° 3<br>27° 6 | F 8<br>S 9   |
|              | 19 6 52              | 16°33'17             | 18°58                   | 10°26          | 1°40                  | 11°43           |                 | 2°34         | 23°13           | 5°56          | 21°34          | 18°D58         | 20°13          |               |                |              |
| S 10         | 19 10 49             | 17°30'30             | 2 <b>≏</b> 46           | 11°51          | 1°14                  | 12°24           | 23°19           | 2°30         | 23°14           | 5°58          | 21°35          | 18°58          | 20°10          | 7°32          | 27° 9          | S 10         |
| M11          | 19 14 45             | 18°27'43             | 16°46                   | 13°15          | 0°50                  | 13° 6           | 23°30           | 2°25         | 23°15           | 6° 0          | 21°37          | 18°R59         | 20° 7          | 7°38          | 27°12          | M11          |
| T 12<br>W13  | 19 18 42<br>19 22 39 | 19°24'55<br>20°22'08 | 0 <b>M</b> ₅55<br>15°13 | 14°36<br>15°54 | 0°28<br>0° 8          | 13°48<br>14°29  | 23°42<br>23°54  | 2°21<br>2°17 | 23°16<br>23°17  | 6° 1<br>6° 3  | 21°38<br>21°40 | 18°58<br>18°56 | 20° 4<br>20° 1 | 7°45<br>7°52  | 27°15<br>27°18 | T 12<br>W13  |
| T 14         | 19 22 39             | 20 22 08<br>21°19'21 | 29°37                   | 13 34<br>17°11 | 29 <b>I</b> I51       | 14 29<br>15°11  | 23° 34<br>24° 6 | 2°12         | 23°18           | 6° 5          | 21°41          | 18°51          | 19°58          | 7°58          | 27°21          | T 14         |
| F 15         | 19 30 32             | 22°16'34             | 14 <b>×7</b> 4          | 18°25          | 29°35                 | 15°52           | 24°18           | 2° 8         | 23°18           | 6° 6          | 21°43          | 18°45          | 19°54          | 8° 5          | 27°24          | F 15         |
| S 16         | 19 34 28             | 23°13'47             | 28°27                   | 19°36          | 29°23                 | 16°33           | 24°30           | 2° 4         | 23°19           | 6° 8          | 21°45          | 18°37          | 19°51          | 8°12          | 27°27          | S 16         |
| S 17         | 19 38 25             | 24°11'00             | 12 <b>る</b> 42          | 20°45          | 29°12                 | 17°15           | 24°42           | 1°59         | 23°20           | 6°10          | 21°46          | 18°28          | 19°48          | 8°18          | 27°30          | S 17         |
| M18          | 19 42 21             | 25° 8'14             | 26°42                   | 21°51          | 29° 4                 | 17°56           | 24°54           | 1°55         | 23°20           | 6°12          | 21°48          | 18°20          | 19°45          | 8°25          | 27°33          | M18          |
| T 19         | 19 46 18             | 26° 5'28             | 10≈23                   | 22°55          | 28°59                 | 18°37           | 25° 6           | 1°51         | 23°21           | 6°13          | 21°49          | 18°13          | 19°42          | 8°32          | 27°35          | T 19         |
| W20          | 19 50 15             | 27° 2'43             | 23°43                   | 23°55          | 28°56                 | 19°18           | 25°18           | 1°46         | 23°21           | 6°15          | 21°51          | 18° 9          | 19°39          | 8°39          | 27°38          | W20          |
| T 21         | 19 54 11             | 27°59'58             | 6 <b>)</b> (40          | 24°53          | 28°D55                | 19°59           | 25°31           | 1°42         | 23°22           | 6°17          | 21°53          | 18° 6          | 19°35          | 8°45          | 27°40          | T 21         |
| F 22         | 19 58 8              | 28°57'14             | 19°17                   | 25°48          | 28°56                 | 20°40           | 25°43           | 1°37         | 23°22           | 6°19          | 21°54          | 18°D 5         | 19°32          | 8°52          | 27°43          | F 22         |
| S 23         | 20 2 4               | 29°54'31             | 1 <b>Y</b> 36           | 26°39          | 29° 0                 | 21°21           | 25°55           | 1°33         | 23°23           | 6°21          | 21°56          | 18° 6          | 19°29          | 8°59          | 27°46          | S 23         |
| S 24         | 20 6 1               | 0 <b>Ω</b> 51'48     | 13°40                   | 27°28          | 29° 6                 | 22° 2           | 26° 8           | 1°28         | 23°23           | 6°22          | 21°57          | 18° 7          | 19°26          | 9° 5          | 27°48          | S 24         |
| M25          | 20 9 57              | 1°49'07              | 25°36                   | 28°12          | 29°14                 | 22°43           | 26°20           | 1°24         | 23°23           | 6°24          | 21°59          | 18° 8          | 19°23          | 9°12          | 27°50          | M25          |
| T 26         | 20 13 54             | 2°46'26              | 7 <b>8</b> 27           | 28°54          | 29°25                 | 23°23           | 26°33           | 1°19         | 23°23           | 6°26          | 22° 1          | 18°R 9         | 19°19          | 9°19          | 27°53          | T 26         |
| W27          | 20 17 50             | 3°43'46              | 19°19                   | 29°31          | 29°37                 | 24° 4           | 26°45           | 1°15         | 23°23           | 6°28          | 22° 2          | 18° 7          | 19°16          | 9°25          | 27°55          | W27          |
| T 28<br>F 29 | 20 21 47<br>20 25 44 | 4°41'08<br>5°38'30   | 1 <b>Ⅱ</b> 17<br>13°25  | 0 mg 4<br>0°34 | 29°52<br>0 <b>©</b> 8 | 24°45<br>25°25  | 26°58<br>27°10  | 1°11<br>1° 6 | 23°23<br>23°R24 | 6°30<br>6°32  | 22° 4<br>22° 5 | 18° 4<br>17°59 | 19°13<br>19°10 | 9°32<br>9°39  | 27°57<br>28° 0 | T 28<br>F 29 |
| S 30         | 20 25 44 20 29 40    | 6°35'54              | 25°46                   | 0°59           | 0°26                  | 25°25<br>26° 6  | 27°10<br>27°23  | 1° 6         | 23°R24<br>23°24 | 6°34          | 22° 7          | 17°53          | 19°10<br>19° 7 | 9°39<br>9°45  | 28° 0          | S 30         |
| S 31         | 20 33 37             | $7\Omega_{33'18}$    | 8 <b>9</b> 23           | 1 m 20         | 0946                  | 26 <b>I</b> I46 | $27\Omega 35$   | 0≈57         | 23 <b>Y</b> 23  | 6M) 36        | 229 8          | 17 <b>)</b> 46 | 19 <b>)</b> 4  | 9 <b>8</b> 52 | 288 4          | S 31         |
| 5 51         | 20 33 37             | ,003310              | 0-223                   | 111/20         | 0-10                  | 2021            | 2,003           | 0.307        | 23   23         | 011/20        | 22-0           | 1,7(40         | 127( 4         | 7032          | 200 1          | 5 51         |

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| Day  | Sid.t    | 0                 | D              | ğ             | φ      | ♂ <sup>™</sup>  | 4              | ħ              | )f(            | ¥             | Р      | ₽.             | Ω              | Ç              | ę,             | Day  |
|------|----------|-------------------|----------------|---------------|--------|-----------------|----------------|----------------|----------------|---------------|--------|----------------|----------------|----------------|----------------|------|
| M 1  | 20 37 33 | 8 <b>Ω</b> 30'44  | 219916         | 1 <b>m</b> 36 | 195 8  | 27 <b>II</b> 26 | 27 <b>Ω</b> 48 | 0°R53          | 23°R23         | 6 <b>M</b> 38 | 229510 | 17°R39         | 19 <b>∺</b> 0  | 9 <b>8</b> 59  | 28 <b>8</b> 6  | M 1  |
| T 2  | 20 41 30 | 9°28'10           | 4 <b>Ω</b> 27  | 1°47          | 1°32   | 28° 7           | 28° 1          | 0≈48           | 23 <b>Y</b> 23 | 6°40          | 22°12  | 17 <b>米</b> 33 | 18°57          | 10° 6          | 28° 8          | T 2  |
| W 3  | 20 45 26 | 10°25'38          | 17°54          | 1°53          | 1°57   | 28°47           | 28°13          | 0°44           | 23°23          | 6°42          | 22°13  | 17°29          | 18°54          | 10°12          | 28°10          | W 3  |
| T 4  | 20 49 23 | 11°23'06          | 1 <b>M</b> 35  | 1°R54         | 2°24   | 29°27           | 28°26          | 0°40           | 23°23          | 6°44          | 22°15  | 17°26          | 18°51          | 10°19          | 28°12          | T 4  |
| F 5  | 20 53 19 | 12°20'35          | 15°27          | 1°50          | 2°53   | 099 7           | 28°39          | 0°35           | 23°22          | 6°46          | 22°16  | 17°D25         | 18°48          | 10°26          | 28°13          | F 5  |
| S 6  | 20 57 16 | 13°18'05          | 29°27          | 1°41          | 3°22   | 0°47            | 28°52          | 0°31           | 23°22          | 6°48          | 22°18  | 17°25          | 18°45          | 10°32          | 28°15          | S 6  |
| S 7  | 21 113   | 14°15'35          | 13 <b>≏</b> 34 | 1°26          | 3°54   | 1°27            | 29° 5          | 0°27           | 23°22          | 6°50          | 22°19  | 17°27          | 18°41          | 10°39          | 28°17          | S 7  |
| M 8  | 21 5 9   | 15°13'07          | 27°44          | 1° 6          | 4°26   | 2° 7            | 29°17          | 0°23           | 23°21          | 6°52          | 22°21  | 17°28          | 18°38          | 10°46          | 28°19          | M 8  |
| T 9  | 21 9 6   | 16°10'39          | 11 <b>M</b> 57 | 0°41          | 5° 0   | 2°46            | 29°30          | 0°18           | 23°21          | 6°55          | 22°22  | 17°R29         | 18°35          | 10°52          | 28°20          | T 9  |
| W10  | 21 13 2  | 17° 8'12          | 26° 9          | 0°10          | 5°36   | 3°26            | 29°43          | 0°14           | 23°20          | 6°57          | 22°24  | 17°29          | 18°32          | 10°59          | 28°22          | W10  |
| T 11 | 21 16 59 | 18° 5'46          | 10 <b>∡</b> 18 | 29€36         | 6°12   | 4° 6            | 29°56          | 0°10           | 23°20          | 6°59          | 22°25  | 17°27          | 18°29          | 11° 6          | 28°23          | T 11 |
| F 12 | 21 20 55 | 19° 3'21          | 24°23          | 28°56         | 6°50   | 4°45            | 0 <b>m</b> ) 9 | 0° 6           | 23°19          | 7° 1          | 22°27  | 17°24          | 18°25          | 11°12          | 28°25          | F 12 |
| S 13 | 21 24 52 | 20° 0'57          | 8 <b>궁</b> 20  | 28°13         | 7°28   | 5°25            | 0°22           | 0° 2           | 23°18          | 7° 3          | 22°28  | 17°21          | 18°22          | 11°19          | 28°26          | S 13 |
| S 14 | 21 28 48 | 20°58'34          | 22° 7          | 27°27         | 8° 8   | 6° 4            | 0°35           | 29 <b>궁</b> 58 | 23°18          | 7° 5          | 22°29  | 17°17          | 18°19          | 11°26          | 28°27          | S 14 |
| M15  | 21 32 45 | 21°56'12          | 5≈41           | 26°38         | 8°49   | 6°43            | 0°48           | 29°54          | 23°17          | 7° 7          | 22°31  | 17°13          | 18°16          | 11°33          | 28°29          | M15  |
| T 16 | 21 36 42 | 22°53'51          | 19° 0          | 25°47         | 9°31   | 7°23            | 1° 1           | 29°50          | 23°16          | 7° 9          | 22°32  | 17°10          | 18°13          | 11°39          | 28°30          | T 16 |
| W17  | 21 40 38 | 23°51'31          | 2 <b>∺</b> 2   | 24°56         | 10°14  | 8° 2            | 1°14           | 29°46          | 23°15          | 7°12          | 22°34  | 17° 8          | 18°10          | 11°46          | 28°31          | W17  |
| T 18 | 21 44 35 | 24°49'13          | 14°47          | 24° 5         | 10°58  | 8°41            | 1°27           | 29°42          | 23°14          | 7°14          | 22°35  | 17°D 8         | 18° 6          | 11°53          | 28°32          | T 18 |
| F 19 | 21 48 31 | 25°46'56          | 27°17          | 23°16         | 11°43  | 9°20            | 1°40           | 29°38          | 23°13          | 7°16          | 22°36  | 17° 8          | 18° 3          | 11°59          | 28°33          | F 19 |
| S 20 | 21 52 28 | 26°44'40          | 9 <b>Ƴ</b> 31  | 22°28         | 12°29  | 9°59            | 1°53           | 29°35          | 23°12          | 7°18          | 22°38  | 17° 9          | 18° 0          | 12° 6          | 28°34          | S 20 |
| S 21 | 21 56 24 | 27°42'26          | 21°35          | 21°44         | 13°16  | 10°38           | 2° 6           | 29°31          | 23°11          | 7°20          | 22°39  | 17°10          | 17°57          | 12°13          | 28°35          | S 21 |
| M22  | 22 0 21  | 28°40'14          | 3 <b>8</b> 30  | 21° 4         | 14° 3  | 11°17           | 2°19           | 29°28          | 23°10          | 7°23          | 22°41  | 17°12          | 17°54          | 12°19          | 28°36          | M22  |
| T 23 | 22 4 17  | 29°38'04          | 15°22          | 20°30         | 14°51  | 11°56           | 2°32           | 29°24          | 23° 9          | 7°25          | 22°42  | 17°13          | 17°51          | 12°26          | 28°36          | T 23 |
| W24  | 22 8 14  | 0 <b>m</b> /35'55 | 27°14          | 20° 1         | 15°40  | 12°34           | 2°45           | 29°20          | 23° 8          | 7°27          | 22°43  | 17°R14         | 17°47          | 12°33          | 28°37          | W24  |
| T 25 | 22 12 11 | 1°33'48           | 9 <b>Ⅱ</b> 13  | 19°39         | 16°30  | 13°13           | 2°58           | 29°17          | 23° 7          | 7°29          | 22°44  | 17°14          | 17°44          | 12°40          | 28°38          | T 25 |
| F 26 | 22 16 7  | 2°31'43           | 21°21          | 19°24         | 17°21  | 13°52           | 3°11           | 29°14          | 23° 5          | 7°31          | 22°46  | 17°13          | 17°41          | 12°46          | 28°38          | F 26 |
| S 27 | 22 20 4  | 3°29'39           | 39543          | 19°D17        | 18°12  | 14°30           | 3°24           | 29°10          | 23° 4          | 7°34          | 22°47  | 17°11          | 17°38          | 12°53          | 28°39          | S 27 |
| S 28 | 22 24 0  | 4°27'38           | 16°24          | 19°17         | 19° 4  | 15° 9           | 3°37           | 29° 7          | 23° 3          | 7°36          | 22°48  | 17°10          | 17°35          | 13° 0          | 28°39          | S 28 |
| M29  | 22 27 57 | 5°25'38           | 29°25          | 19°26         | 19°56  | 15°47           | 3°50           | 29° 4          | 23° 1          | 7°38          | 22°50  | 17° 8          | 17°31          | 13° 6          | 28°40          | M29  |
| T 30 | 22 31 53 | 6°23'40           | 12 <b>Ω</b> 48 | 19°43         | 20°49  | 16°25           | 4° 4           | 29° 1          | 23° 0          | 7°40          | 22°51  | 17° 7          | 17°28          | 13°13          | 28°40          | T 30 |
| W31  | 22 35 50 | 7 <b>m</b> 21'44  | 26 <b>Ω</b> 32 | 20⋒ 9         | 219543 | 1795 3          | 4 Mp 17        | 28 <b>궁</b> 58 | 22 <b>Y</b> 59 | 7 <b>m</b> 43 | 22952  | 17 <b>米</b> 6  | 17 <b>米</b> 25 | 13 <b>8</b> 20 | 28 <b>8</b> 40 | W31  |

SEPTEMBER 1932 00:00 UT

| Day  | Sid.t    | 0                  | D                | ğ              | ·             | ď             | 4               | ħ              | )f(            | ħ               | Р      | n             | v              | ţ              | , k            | Day  |
|------|----------|--------------------|------------------|----------------|---------------|---------------|-----------------|----------------|----------------|-----------------|--------|---------------|----------------|----------------|----------------|------|
| T 1  | 22 39 46 | 8 <b>m</b> ) 19'49 | 10 <b>m</b> 35   | 20 <b>Ω</b> 42 | 22937         | 179542        | 4 Mp 30         | 28°R55         | 22°R57         | 7 <b>m</b> ) 45 | 22953  | 17°D 5        | 17 <b>)</b> 22 | 13 <b>8</b> 26 | 28841          | T 1  |
| F 2  | 22 43 43 | 9°17'56            | 24°53            | 21°24          | 23°32         | 18°20         | 4°43            | 28 <b>궁</b> 52 | 22 <b>Y</b> 55 | 7°47            | 22°54  | 17 <b>∺</b> 5 | 17°19          | 13°33          | 28°41          | F 2  |
| S 3  | 22 47 40 | 10°16'05           | 9 <b>≏</b> 20    | 22°13          | 24°28         | 18°58         | 4°56            | 28°49          | 22°54          | 7°49            | 22°56  | 17° 6         | 17°16          | 13°40          | 28°41          | S 3  |
| S 4  | 22 51 36 | 11°14'15           | 23°53            | 23°10          | 25°24         | 19°35         | 5° 9            | 28°47          | 22°52          | 7°51            | 22°57  | 17° 6         | 17°12          | 13°47          | 28°R41         | S 4  |
| M 5  | 22 55 33 | 12°12'26           | 8 <b>M</b> .24   | 24°14          | 26°20         | 20°13         | 5°22            | 28°44          | 22°51          | 7°54            | 22°58  | 17° 7         | 17° 9          | 13°53          | 28°41          | M 5  |
| T 6  | 22 59 29 | 13°10'39           | 22°51            | 25°25          | 27°17         | 20°51         | 5°35            | 28°41          | 22°49          | 7°56            | 22°59  | 17° 7         | 17° 6          | 14° 0          | 28°41          | T 6  |
| W 7  | 23 3 26  | 14° 8'54           | 7 <b>,₹</b> 1 7  | 26°42          | 28°14         | 21°29         | 5°48            | 28°39          | 22°47          | 7°58            | 23° 0  | 17° 7         | 17° 3          | 14° 7          | 28°40          | W 7  |
| T 8  | 23 7 22  | 15° 7'10           | 21°12            | 28° 5          | 29°12         | 22° 6         | 6° 1            | 28°37          | 22°45          | 8° 0            | 23° 1  | 17°R 7        | 17° 0          | 14°13          | 28°40          | T 8  |
| F 9  | 23 11 19 | 16° 5'28           | 5 <b>ਰ</b> 4     | 29°32          | 0Ω10          | 22°44         | 6°14            | 28°34          | 22°44          | 8° 3            | 23° 2  | 17° 7         | 16°56          | 14°20          | 28°40          | F 9  |
| S 10 | 23 15 15 | 17° 3'47           | 18°41            | 1 Mp 5         | 1° 9          | 23°21         | 6°27            | 28°32          | 22°42          | 8° 5            | 23° 3  | 17°D 7        | 16°53          | 14°27          | 28°39          | S 10 |
| S 11 | 23 19 12 | 18° 2'08           | 2≈ 4             | 2°41           | 2° 8          | 23°58         | 6°40            | 28°30          | 22°40          | 8° 7            | 23° 4  | 17° 7         | 16°50          | 14°33          | 28°39          | S 11 |
| M12  | 23 23 9  | 19° 0'30           | 15°13            | 4°21           | 3° 8          | 24°35         | 6°53            | 28°28          | 22°38          | 8° 9            | 23° 5  | 17° 7         | 16°47          | 14°40          | 28°39          | M12  |
| T 13 | 23 27 5  | 19°58'54           | 28° 8            | 6° 4           | 4° 8          | 25°13         | 7° 5            | 28°26          | 22°36          | 8°11            | 23° 6  | 17° 7         | 16°44          | 14°47          | 28°38          | T 13 |
| W14  | 23 31 2  | 20°57'19           | 10 <b>) (</b> 49 | 7°49           | 5° 8          | 25°50         | 7°18            | 28°24          | 22°34          | 8°14            | 23° 7  | 17°R 8        | 16°41          | 14°54          | 28°37          | W14  |
| T 15 | 23 34 58 | 21°55'47           | 23°19            | 9°36           | 6° 9          | 26°27         | 7°31            | 28°22          | 22°32          | 8°16            | 23° 8  | 17° 8         | 16°37          | 15° 0          | 28°37          | T 15 |
| F 16 | 23 38 55 | 22°54'16           | 5 <b>Υ</b> 36    | 11°25          | 7°10          | 27° 3         | 7°44            | 28°21          | 22°30          | 8°18            | 23° 9  | 17° 7         | 16°34          | 15° 7          | 28°36          | F 16 |
| S 17 | 23 42 51 | 23°52'47           | 17°44            | 13°15          | 8°11          | 27°40         | 7°57            | 28°19          | 22°28          | 8°20            | 23°10  | 17° 7         | 16°31          | 15°14          | 28°35          | S 17 |
| S 18 | 23 46 48 | 24°51'21           | 29°43            | 15° 6          | 9°13          | 28°17         | 8°10            | 28°18          | 22°26          | 8°22            | 23°11  | 17° 6         | 16°28          | 15°20          | 28°34          | S 18 |
| M19  | 23 50 44 | 25°49'56           | 11837            | 16°57          | 10°15         | 28°54         | 8°22            | 28°16          | 22°24          | 8°24            | 23°12  | 17° 5         | 16°25          | 15°27          | 28°33          | M19  |
| T 20 | 23 54 41 | 26°48'34           | 23°28            | 18°49          | 11°18         | 29°30         | 8°35            | 28°15          | 22°22          | 8°27            | 23°13  | 17° 3         | 16°22          | 15°34          | 28°32          | T 20 |
| W21  | 23 58 37 | 27°47'14           | 5 <b>Ⅱ</b> 20    | 20°41          | 12°21         | 0 <b>N</b> 6  | 8°48            | 28°14          | 22°20          | 8°29            | 23°13  | 17° 2         | 16°18          | 15°40          | 28°31          | W21  |
| T 22 | 0 2 34   | 28°45'56           | 17°17            | 22°32          | 13°24         | 0°43          | 9° 0            | 28°13          | 22°18          | 8°31            | 23°14  | 17° 1         | 16°15          | 15°47          | 28°30          | T 22 |
| F 23 | 0 631    | 29°44'40           | 29°23            | 24°24          | 14°27         | 1°19          | 9°13            | 28°12          | 22°15          | 8°33            | 23°15  | 17°D 1        | 16°12          | 15°54          | 28°29          | F 23 |
| S 24 | 0 10 27  | 0 <b>≏</b> 43'26   | 119543           | 26°14          | 15°31         | 1°55          | 9°26            | 28°11          | 22°13          | 8°35            | 23°16  | 17° 1         | 16° 9          | 16° 1          | 28°28          | S 24 |
| S 25 | 0 14 24  | 1°42'15            | 24°21            | 28° 5          | 16°35         | 2°31          | 9°38            | 28°10          | 22°11          | 8°37            | 23°16  | 17° 2         | 16° 6          | 16° 7          | 28°26          | S 25 |
| M26  | 0 18 20  | 2°41'06            | 7 <b>Ω</b> 21    | 29°54          | 17°40         | 3° 7          | 9°51            | 28° 9          | 22° 9          | 8°39            | 23°17  | 17° 3         | 16° 2          | 16°14          | 28°25          | M26  |
| T 27 | 0 22 17  | 3°39'59            | 20°45            | 1 <b>≏</b> 43  | 18°44         | 3°43          | 10° 3           | 28° 9          | 22° 7          | 8°41            | 23°18  | 17° 5         | 15°59          | 16°21          | 28°24          | T 27 |
| W28  | 0 26 13  | 4°38'55            | 4 <b>m</b> /36   | 3°32           | 19°49         | 4°19          | 10°16           | 28° 8          | 22° 4          | 8°43            | 23°18  | 17° 6         | 15°56          | 16°27          | 28°22          | W28  |
| T 29 | 0 30 10  | 5°37'52            | 18°51            | 5°19           | 20°54         | 4°55          | 10°28           | 28° 8          | 22° 2          | 8°45            | 23°19  | 17°R 6        | 15°53          | 16°34          | 28°21          | T 29 |
| F 30 | 0 34 6   | 6 <b>△</b> 36'52   | 3 <b>₾</b> 27    | 7 <b>º</b> 6   | 22 <b>N</b> 0 | 5 <b>Ω</b> 30 | 10 <b>M</b> )41 | 28 <b>궁</b> 7  | 22 <b>Y</b> 0  | 8 <b>M</b> 47   | 239520 | 17 <b>米</b> 5 | 15 <b>)</b> 50 | 16 <b>8</b> 41 | 28 <b>8</b> 19 | F 30 |

Delta T = 24.34 sec

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| Day  | Sid.t   | $\odot$          | D               | ğ              | φ              | ♂              | 4              | ħ              | )f(            | ¥              | Р      | r              | Ω              | Ç             | ę,            | Day  |
|------|---------|------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----------------|---------------|---------------|------|
| S 1  | 0 38 3  | 7 <b>≏</b> 35'54 | 18 <b>≏</b> 19  | 8 <b>≏</b> 51  | 23 <b>N</b> 5  | 6 <b>N</b> 6   | 10 <b>m</b> 53 | 28°R 7         | 21°R57         | 8 <b>m</b> /49 | 239220 | 17°R 4         | 15 <b>)</b> 47 | 16847         | 28°R17        | S 1  |
| S 2  | 0 42 0  | 8°34'57          | 3 <b>M</b> .18  | 10°36          | 24°11          | 6°41           | 11° 5          | 28 <b>궁</b> 7  | 21 <b>Y</b> 55 | 8°51           | 23°21  | 17 <b>)</b> 1  | 15°43          | 16°54         | 28816         | S 2  |
| M 3  | 0 45 56 | 9°34'03          | 18°15           | 12°20          | 25°17          | 7°16           | 11°17          | 28°D 7         | 21°53          | 8°53           | 23°21  | 16°58          | 15°40          | 17° 1         | 28°14         | M 3  |
| T 4  | 0 49 53 | 10°33'10         | 3 <b>√</b> 2    | 14° 4          | 26°24          | 7°52           | 11°30          | 28° 7          | 21°50          | 8°55           | 23°22  | 16°55          | 15°37          | 17° 8         | 28°12         | T 4  |
| W 5  | 0 53 49 | 11°32'20         | 17°34           | 15°46          | 27°30          | 8°27           | 11°42          | 28° 7          | 21°48          | 8°57           | 23°22  | 16°53          | 15°34          | 17°14         | 28°10         | W 5  |
| T 6  | 0 57 46 | 12°31'31         | 1 <b>る</b> 45   | 17°28          | 28°37          | 9° 2           | 11°54          | 28° 7          | 21°45          | 8°59           | 23°23  | 16°51          | 15°31          | 17°21         | 28° 8         | T 6  |
| F 7  | 1 1 42  | 13°30'44         | 15°35           | 19° 9          | 29°44          | 9°36           | 12° 6          | 28° 8          | 21°43          | 9° 1           | 23°23  | 16°D51         | 15°28          | 17°28         | 28° 6         | F 7  |
| S 8  | 1 5 39  | 14°29'58         | 29° 3           | 20°49          | 0 <b>m</b> )51 | 10°11          | 12°18          | 28° 8          | 21°41          | 9° 3           | 23°24  | 16°52          | 15°24          | 17°34         | 28° 4         | S 8  |
| S 9  | 1 9 35  | 15°29'15         | 12≈11           | 22°28          | 1°58           | 10°46          | 12°30          | 28° 9          | 21°38          | 9° 5           | 23°24  | 16°53          | 15°21          | 17°41         | 28° 2         | S 9  |
| M10  | 1 13 32 | 16°28'33         | 25° 1           | 24° 6          | 3° 6           | 11°20          | 12°42          | 28°10          | 21°36          | 9° 7           | 23°25  | 16°55          | 15°18          | 17°48         | 28° 0         | M10  |
| T 11 | 1 17 29 | 17°27'52         | 7 <b>) (</b> 37 | 25°44          | 4°14           | 11°55          | 12°54          | 28°10          | 21°33          | 9° 9           | 23°25  | 16°56          | 15°15          | 17°55         | 27°58         | T 11 |
| W12  | 1 21 25 | 18°27'14         | 20° 0           | 27°21          | 5°22           | 12°29          | 13° 5          | 28°11          | 21°31          | 9°10           | 23°25  | 16°R56         | 15°12          | 18° 1         | 27°56         | W12  |
| T 13 | 1 25 22 | 19°26'38         | 2 <b>Υ</b> 14   | 28°57          | 6°30           | 13° 3          | 13°17          | 28°12          | 21°28          | 9°12           | 23°26  | 16°55          | 15° 8          | 18° 8         | 27°53         | T 13 |
| F 14 | 1 29 18 | 20°26'03         | 14°20           | 0 <b>M</b> .33 | 7°38           | 13°37          | 13°29          | 28°13          | 21°26          | 9°14           | 23°26  | 16°52          | 15° 5          | 18°15         | 27°51         | F 14 |
| S 15 | 1 33 15 | 21°25'31         | 26°19           | 2° 8           | 8°47           | 14°11          | 13°40          | 28°14          | 21°24          | 9°16           | 23°26  | 16°48          | 15° 2          | 18°21         | 27°49         | S 15 |
| S 16 | 1 37 11 | 22°25'00         | 8 <b>8</b> 14   | 3°42           | 9°56           | 14°45          | 13°52          | 28°16          | 21°21          | 9°18           | 23°26  | 16°42          | 14°59          | 18°28         | 27°46         | S 16 |
| M17  | 1 41 8  | 23°24'32         | 20° 6           | 5°16           | 11° 5          | 15°19          | 14° 3          | 28°17          | 21°19          | 9°19           | 23°27  | 16°35          | 14°56          | 18°35         | 27°44         | M17  |
| T 18 | 1 45 4  | 24°24'06         | 1∏57            | 6°49           | 12°14          | 15°52          | 14°15          | 28°19          | 21°16          | 9°21           | 23°27  | 16°28          | 14°53          | 18°41         | 27°41         | T 18 |
| W19  | 1 49 1  | 25°23'42         | 13°50           | 8°21           | 13°23          | 16°26          | 14°26          | 28°20          | 21°14          | 9°23           | 23°27  | 16°21          | 14°49          | 18°48         | 27°39         | W19  |
| T 20 | 1 52 58 | 26°23'20         | 25°46           | 9°53           | 14°32          | 16°59          | 14°37          | 28°22          | 21°11          | 9°24           | 23°27  | 16°16          | 14°46          | 18°55         | 27°36         | T 20 |
| F 21 | 1 56 54 | 27°23'01         | 7951            | 11°24          | 15°42          | 17°32          | 14°48          | 28°24          | 21° 9          | 9°26           | 23°27  | 16°12          | 14°43          | 19° 2         | 27°34         | F 21 |
| S 22 | 2 0 51  | 28°22'44         | 20° 7           | 12°55          | 16°52          | 18° 5          | 14°59          | 28°25          | 21° 6          | 9°28           | 23°27  | 16°10          | 14°40          | 19° 8         | 27°31         | S 22 |
| S 23 | 2 4 47  | 29°22'29         | 2 <b>Ω</b> 40   | 14°25          | 18° 2          | 18°38          | 15°10          | 28°27          | 21° 4          | 9°29           | 23°27  | 16°D 9         | 14°37          | 19°15         | 27°28         | S 23 |
| M24  | 2 8 44  | 0M22'16          | 15°33           | 15°54          | 19°12          | 19°11          | 15°21          | 28°30          | 21° 2          | 9°31           | 23°27  | 16°10          | 14°33          | 19°22         | 27°26         | M24  |
| T 25 | 2 12 40 | 1°22'05          | 28°51           | 17°23          | 20°22          | 19°44          | 15°32          | 28°32          | 20°59          | 9°32           | 23°R27 | 16°12          | 14°30          | 19°28         | 27°23         | T 25 |
| W26  | 2 16 37 | 2°21'57          | 12 <b>M</b> 36  | 18°51          | 21°32          | 20°16          | 15°43          | 28°34          | 20°57          | 9°34           | 23°27  | 16°R12         | 14°27          | 19°35         | 27°20         | W26  |
| T 27 | 2 20 33 | 3°21'51          | 26°49           | 20°19          | 22°43          | 20°48          | 15°54          | 28°36          | 20°55          | 9°35           | 23°27  | 16°12          | 14°24          | 19°42         | 27°17         | T 27 |
| F 28 | 2 24 30 | 4°21'47          | 11 <b>≏</b> 29  | 21°45          | 23°53          | 21°21          | 16° 4          | 28°39          | 20°52          | 9°37           | 23°27  | 16°10          | 14°21          | 19°49         | 27°14         | F 28 |
| S 29 | 2 28 27 | 5°21'45          | 26°31           | 23°12          | 25° 4          | 21°53          | 16°15          | 28°41          | 20°50          | 9°38           | 23°27  | 16° 5          | 14°18          | 19°55         | 27°12         | S 29 |
| S 30 | 2 32 23 | 6°21'45          | 11 <b>M</b> .45 | 24°37          | 26°15          | 22°25          | 16°25          | 28°44          | 20°47          | 9°40           | 23°27  | 15°58          | 14°14          | 20° 2         | 27° 9         | S 30 |
| M31  | 2 36 20 | 7 <b>M</b> 21'47 | 27 <b>M</b> 2   | 26M 2          | 27 <b>m</b> 26 | 22 <b>N</b> 56 | 16 <b>M</b> 36 | 28 <b>궁</b> 47 | 20 <b>Υ</b> 45 | 9 <b>m</b> 41  | 239527 | 15 <b>∺</b> 50 | 14 <b>米</b> 11 | 20 <b>8</b> 9 | 27 <b>8</b> 6 | M31  |

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| Day  | Sid.t   | 0                 | D               | ğ              | Q              | ð               | 4               | ħ              | )∤(            | ¥             | Р      | ß              | Ω              | ţ              | ę,             | Day  |
|------|---------|-------------------|-----------------|----------------|----------------|-----------------|-----------------|----------------|----------------|---------------|--------|----------------|----------------|----------------|----------------|------|
| T 1  | 2 40 16 | 8M21'51           | 12 <b>√</b> 11  | 27 <b>M</b> 26 | 28 <b>m</b> 37 | 23 <b>\O</b> 28 | 16 <b>M</b> )46 | 28 <b>궁</b> 49 | 20°R43         | 9 <b>m</b> 42 | 23°R27 | 15°R42         | 14 <b>)</b> 8  | 20815          | 27°R 3         | T 1  |
| W 2  | 2 44 13 | 9°21'56           | 27° 1           | 28°50          | 29°48          | 23°59           | 16°56           | 28°52          | 20 <b>Y</b> 41 | 9°44          | 239527 | 15 <b>)</b> 35 | 14° 5          | 20°22          | 27 <b>8</b> 0  | W 2  |
| T 3  | 2 48 9  | 10°22'04          | 11 <b>궁</b> 26  | 0 <b>才</b> 12  | 0 <b>≏</b> 59  | 24°31           | 17° 6           | 28°55          | 20°38          | 9°45          | 23°26  | 15°29          | 14° 2          | 20°29          | 26°57          | T 3  |
| F 4  | 2 52 6  | 11°22'12          | 25°24           | 1°34           | 2°11           | 25° 2           | 17°16           | 28°58          | 20°36          | 9°46          | 23°26  | 15°26          | 13°59          | 20°36          | 26°54          | F 4  |
| S 5  | 2 56 2  | 12°22'22          | 8 <b>≈</b> 54   | 2°54           | 3°22           | 25°33           | 17°26           | 29° 2          | 20°34          | 9°47          | 23°26  | 15°D25         | 13°55          | 20°42          | 26°51          | S 5  |
| S 6  | 2 59 59 | 13°22'34          | 21°58           | 4°13           | 4°34           | 26° 3           | 17°36           | 29° 5          | 20°32          | 9°49          | 23°25  | 15°25          | 13°52          | 20°49          | 26°47          | S 6  |
| M 7  | 3 3 56  | 14°22'47          | 4 <b>) (</b> 40 | 5°32           | 5°46           | 26°34           | 17°46           | 29° 8          | 20°29          | 9°50          | 23°25  | 15°26          | 13°49          | 20°56          | 26°44          | M 7  |
| T 8  | 3 7 52  | 15°23'02          | 17° 5           | 6°48           | 6°58           | 27° 4           | 17°55           | 29°12          | 20°27          | 9°51          | 23°25  | 15°R26         | 13°46          | 21° 2          | 26°41          | T 8  |
| W 9  | 3 11 49 | 16°23'18          | 29°17           | 8° 4           | 8°10           | 27°35           | 18° 5           | 29°15          | 20°25          | 9°52          | 23°24  | 15°25          | 13°43          | 21° 9          | 26°38          | W 9  |
| T 10 | 3 15 45 | 17°23'35          | 11 <b>Y</b> 20  | 9°18           | 9°22           | 28° 5           | 18°14           | 29°19          | 20°23          | 9°53          | 23°24  | 15°22          | 13°39          | 21°16          | 26°35          | T 10 |
| F 11 | 3 19 42 | 18°23'54          | 23°17           | 10°29          | 10°34          | 28°35           | 18°23           | 29°23          | 20°21          | 9°54          | 23°24  | 15°16          | 13°36          | 21°23          | 26°32          | F 11 |
| S 12 | 3 23 38 | 19°24'15          | 5 <b>8</b> 10   | 11°39          | 11°46          | 29° 4           | 18°32           | 29°26          | 20°19          | 9°55          | 23°23  | 15° 7          | 13°33          | 21°29          | 26°29          | S 12 |
| S 13 | 3 27 35 | 20°24'37          | 17° 2           | 12°46          | 12°58          | 29°34           | 18°41           | 29°30          | 20°17          | 9°56          | 23°23  | 14°56          | 13°30          | 21°36          | 26°25          | S 13 |
| M14  | 3 31 31 | 21°25'01          | 28°54           | 13°51          | 14°11          | 0 <b>m</b> 3    | 18°50           | 29°34          | 20°15          | 9°57          | 23°22  | 14°43          | 13°27          | 21°43          | 26°22          | M14  |
| T 15 | 3 35 28 | 22°25'27          | 10 <b>Ⅱ</b> 48  | 14°53          | 15°23          | 0°32            | 18°59           | 29°38          | 20°13          | 9°58          | 23°22  | 14°29          | 13°24          | 21°49          | 26°19          | T 15 |
| W16  | 3 39 25 | 23°25'54          | 22°44           | 15°51          | 16°36          | 1° 1            | 19° 8           | 29°42          | 20°11          | 9°59          | 23°21  | 14°17          | 13°20          | 21°56          | 26°16          | W16  |
| T 17 | 3 43 21 | 24°26'24          | 49945           | 16°46          | 17°49          | 1°30            | 19°17           | 29°47          | 20° 9          | 10° 0         | 23°21  | 14° 5          | 13°17          | 22° 3          | 26°12          | T 17 |
| F 18 | 3 47 18 | 25°26'54          | 16°53           | 17°36          | 19° 1          | 1°58            | 19°25           | 29°51          | 20° 7          | 10° 1         | 23°20  | 13°57          | 13°14          | 22°10          | 26° 9          | F 18 |
| S 19 | 3 51 14 | 26°27'27          | 29°11           | 18°22          | 20°14          | 2°27            | 19°33           | 29°55          | 20° 5          | 10° 2         | 23°20  | 13°51          | 13°11          | 22°16          | 26° 6          | S 19 |
| S 20 | 3 55 11 | 27°28'01          | 11 <b>Ω</b> 42  | 19° 2          | 21°27          | 2°55            | 19°42           | 29°59          | 20° 4          | 10° 3         | 23°19  | 13°48          | 13° 8          | 22°23          | 26° 3          | S 20 |
| M21  | 3 59 7  | 28°28'37          | 24°29           | 19°36          | 22°40          | 3°23            | 19°50           | 0≈ 4           | 20° 2          | 10° 3         | 23°18  | 13°D47         | 13° 5          | 22°30          | 26° 0          | M21  |
| T 22 | 4 3 4   | 29°29'15          | 7 <b>™</b> 39   | 20° 3          | 23°53          | 3°50            | 19°58           | 0° 9           | 20° 0          | 10° 4         | 23°18  | 13°R47         | 13° 1          | 22°36          | 25°56          | T 22 |
| W23  | 4 7 0   | 0 <b>∡</b> 129'54 | 21°13           | 20°22          | 25° 6          | 4°18            | 20° 5           | 0°13           | 19°58          | 10° 5         | 23°17  | 13°47          | 12°58          | 22°43          | 25°53          | W23  |
| T 24 | 4 10 57 | 1°30'36           | 5 <b>Ω</b> 14   | 20°33          | 26°20          | 4°45            | 20°13           | 0°18           | 19°57          | 10° 5         | 23°16  | 13°45          | 12°55          | 22°50          | 25°50          | T 24 |
| F 25 | 4 14 54 | 2°31'18           | 19°43           | 20°R35         | 27°33          | 5°12            | 20°21           | 0°23           | 19°55          | 10° 6         | 23°15  | 13°41          | 12°52          | 22°57          | 25°47          | F 25 |
| S 26 | 4 18 50 | 3°32'03           | 4 <b>M</b> .37  | 20°27          | 28°46          | 5°38            | 20°28           | 0°28           | 19°54          | 10° 7         | 23°15  | 13°34          | 12°49          | 23° 3          | 25°44          | S 26 |
| S 27 | 4 22 47 | 4°32'49           | 19°48           | 20° 8          | 29°59          | 6° 5            | 20°35           | 0°33           | 19°52          | 10° 7         | 23°14  | 13°25          | 12°45          | 23°10          | 25°40          | S 27 |
| M28  | 4 26 43 | 5°33'36           | 5 <b>才</b> 8    | 19°39          | 1 <b>M</b> L13 | 6°31            | 20°43           | 0°38           | 19°50          | 10° 8         | 23°13  | 13°14          | 12°42          | 23°17          | 25°37          | M28  |
| T 29 | 4 30 40 | 6°34'25           | 2 <u>0</u> °24  | 18°59          | 2°27           | 6°57            | 20°50           | 0°43           | 19°49          | 10° 8         | 23°12  | 13° 2          | 12°39          | 23°23          | 25°34          | T 29 |
| W30  | 4 34 36 | 7 <b>.₹</b> 35'14 | 5 <b>云</b> 26   | 18 <b>才</b> 7  | 3 <b>M</b> .40 | 7 <b>m</b> 22   | 20 <b>m</b> 57  | 0≈48           | 19 <b>Ƴ</b> 48 | 10 <b>m</b> 9 | 239512 | 12 <b>)</b> 51 | 12 <b>)</b> 36 | 23 <b>8</b> 30 | 25 <b>8</b> 31 | W30  |

Delta T = 24.33 sec

DECEMBER 1932 00:00 UT

| Day  | Sid.t   | 0                 | D              | φ               | φ             | δ               | 4        | ħ             | ) <del>/</del> ( | ¥               | Р      | R              | Ω               | Ç              | Š.             | Day  |
|------|---------|-------------------|----------------|-----------------|---------------|-----------------|----------|---------------|------------------|-----------------|--------|----------------|-----------------|----------------|----------------|------|
| T 1  | 4 38 33 | 8 <b>∡</b> ³36′05 | 20중 4          | 17°R 6          | 4M.54         | 7 <b>m</b> )48  | 21 Mg 3  | 0≈53          | 19°R46           | 10 <b>m</b> ) 9 | 23°R11 | 12°R42         | 12 <b>)</b> (33 | 23 <b>8</b> 37 | 25°R28         | T 1  |
| F 2  | 4 42 30 | 9°36'57           | 4≈13           | 15 <b>×7</b> 57 | 6° 8          | 8°13            | 21°10    | 0°58          | 19 <b>Y</b> 45   | 10° 9           | 239510 | 12 <b>)</b> 36 | 12°30           | 23°44          | 25 <b>8</b> 25 | F 2  |
| S 3  | 4 46 26 | 10°37'49          | 17°51          | 14°40           | 7°21          | 8°37            | 21°16    | 1° 4          | 19°44            | 10°10           | 23° 9  | 12°33          | 12°26           | 23°50          | 25°22          | S 3  |
| S 4  | 4 50 23 | 11°38'43          | 1 <b>)</b> € 0 | 13°19           | 8°35          | 9° 2            | 21°23    | 1° 9          | 19°42            | 10°10           | 23° 8  | 12°32          | 12°23           | 23°57          | 25°18          | S 4  |
| M 5  | 4 54 19 | 12°39'37          | 13°45          | 11°56           | 9°49          | 9°26            | 21°29    | 1°15          | 19°41            | 10°10           | 23° 7  | 12°31          | 12°20           | 24° 4          | 25°15          | M 5  |
| T 6  | 4 58 16 | 13°40'32          | 26° 8          | 10°34           | 11° 3         | 9°50            | 21°35    | 1°20          | 19°40            | 10°11           | 23° 6  | 12°31          | 12°17           | 24°10          | 25°12          | T 6  |
| W 7  | 5 2 12  | 14°41'27          | 8 <b>Ƴ</b> 17  | 9°16            | 12°17         | 10°13           | 21°40    | 1°26          | 19°39            | 10°11           | 23° 5  | 12°30          | 12°14           | 24°17          | 25° 9          | W 7  |
| T 8  | 5 6 9   | 15°42'23          | 20°15          | 8° 4            | 13°31         | 10°37           | 21°46    | 1°32          | 19°38            | 10°11           | 23° 4  | 12°26          | 12°11           | 24°24          | 25° 6          | T 8  |
| F 9  | 5 10 5  | 16°43'20          | 2 <b>8</b> 8   | 7° 0            | 14°45         | 10°59           | 21°52    | 1°37          | 19°37            | 10°11           | 23° 3  | 12°19          | 12° 7           | 24°31          | 25° 3          | F 9  |
| S 10 | 5 14 2  | 17°44'18          | 13°58          | 6° 6            | 15°59         | 11°22           | 21°57    | 1°43          | 19°36            | 10°11           | 23° 2  | 12° 9          | 12° 4           | 24°37          | 25° 0          | S 10 |
| S 11 | 5 17 59 | 18°45'17          | 25°49          | 5°23            | 17°13         | 11°44           | 22° 2    | 1°49          | 19°35            | 10°11           | 23° 1  | 11°57          | 12° 1           | 24°44          | 24°58          | S 11 |
| M12  | 5 21 55 | 19°46'16          | 7∏44           | 4°51            | 18°27         | 12° 6           | 22° 7    | 1°55          | 19°34            | 10°11           | 23° 0  | 11°42          | 11°58           | 24°51          | 24°55          | M12  |
| T 13 | 5 25 52 | 20°47'16          | 19°43          | 4°30            | 19°41         | 12°28           | 22°12    | 2° 1          | 19°33            | 10°R11          | 22°59  | 11°27          | 11°55           | 24°57          | 24°52          | T 13 |
| W14  | 5 29 48 | 21°48'17          | 19547          | 4°D20           | 20°56         | 12°49           | 22°17    | 2° 7          | 19°32            | 10°11           | 22°58  | 11°13          | 11°51           | 25° 4          | 24°49          | W14  |
| T 15 | 5 33 45 | 22°49'18          | 13°58          | 4°21            | 22°10         | 13°10           | 22°21    | 2°13          | 19°32            | 10°11           | 22°57  | 11° 1          | 11°48           | 25°11          | 24°46          | T 15 |
| F 16 | 5 37 41 | 23°50'21          | 26°17          | 4°31            | 23°24         | 13°30           | 22°26    | 2°19          | 19°31            | 10°11           | 22°56  | 10°51          | 11°45           | 25°18          | 24°44          | F 16 |
| S 17 | 5 41 38 | 24°51'24          | 8 <b>Ω</b> 44  | 4°50            | 24°38         | 13°50           | 22°30    | 2°25          | 19°30            | 10°11           | 22°55  | 10°44          | 11°42           | 25°24          | 24°41          | S 17 |
| S 18 | 5 45 34 | 25°52'28          | 21°22          | 5°17            | 25°53         | 14°10           | 22°34    | 2°31          | 19°30            | 10°11           | 22°54  | 10°40          | 11°39           | 25°31          | 24°38          | S 18 |
| M19  | 5 49 31 | 26°53'32          | 4 Mp 14        | 5°51            | 27° 7         | 14°29           | 22°38    | 2°37          | 19°29            | 10°11           | 22°52  | 10°38          | 11°36           | 25°38          | 24°36          | M19  |
| T 20 | 5 53 28 | 27°54'38          | 17°22          | 6°31            | 28°22         | 14°48           | 22°41    | 2°44          | 19°29            | 10°10           | 22°51  | 10°D38         | 11°32           | 25°44          | 24°33          | T 20 |
| W21  | 5 57 24 | 28°55'44          | 0 <b>ჲ</b> 50  | 7°18            | 29°36         | 15° 7           | 22°45    | 2°50          | 19°28            | 10°10           | 22°50  | 10°R38         | 11°29           | 25°51          | 24°31          | W21  |
| T 22 | 6 1 21  | 29°56'51          | 14°40          | 8° 9            | 0 <b>₹</b> 51 | 15°25           | 22°48    | 2°56          | 19°28            | 10°10           | 22°49  | 10°37          | 11°26           | 25°58          | 24°28          | T 22 |
| F 23 | 6 5 17  | 0 <b>궁</b> 57'59  | 28°52          | 9° 5            | 2° 5          | 15°42           | 22°51    | 3° 3          | 19°28            | 10° 9           | 22°48  | 10°34          | 11°23           | 26° 5          | 24°26          | F 23 |
| S 24 | 6 9 14  | 1°59'07           | 13 <b>M</b> 27 | 10° 5           | 3°20          | 16° 0           | 22°54    | 3° 9          | 19°27            | 10° 9           | 22°47  | 10°29          | 11°20           | 26°11          | 24°23          | S 24 |
| S 25 | 6 13 10 | 3° 0'17           | 28°19          | 11° 9           | 4°34          | 16°16           | 22°57    | 3°16          | 19°27            | 10° 9           | 22°45  | 10°21          | 11°17           | 26°18          | 24°21          | S 25 |
| M26  | 6 17 7  | 4° 1'27           | 13 <b>×</b> 22 | 12°15           | 5°49          | 16°33           | 23° 0    | 3°22          | 19°27            | 10° 8           | 22°44  | 10°11          | 11°13           | 26°25          | 24°19          | M26  |
| T 27 | 6 21 3  | 5° 2'37           | 28°26          | 13°24           | 7° 3          | 16°48           | 23° 2    | 3°29          | 19°27            | 10° 8           | 22°43  | 10° 0          | 11°10           | 26°32          | 24°16          | T 27 |
| W28  | 6 25 0  | 6° 3'47           | 13 <b>る</b> 21 | 14°36           | 8°18          | 17° 4           | 23° 4    | 3°35          | 19°27            | 10° 7           | 22°42  | 9°50           | 11° 7           | 26°38          | 24°14          | W28  |
| T 29 | 6 28 57 | 7° 4'58           | 27°58          | 15°49           | 9°33          | 17°18           | 23° 6    | 3°42          | 19°D27           | 10° 7           | 22°41  | 9°42           | 11° 4           | 26°45          | 24°12          | T 29 |
| F 30 | 6 32 53 | <u>8°</u> 6'09    | 12≈11          | 17° 5           | 10°47         | 17°33           | 23° 8    | 3°49          | 19°27            | 10° 6           | 22°39  | 9°36           | 11° 1           | 26°52          | 24°10          | F 30 |
| S 31 | 6 36 50 | 9 <b>궁</b> 7'19   | 25≈56          | 18 <b>₹</b> 22  | 12 <b>×</b> 2 | 17 <b>M</b> )46 | 23 Mp 10 | 3 <b>≈</b> 55 | 19 <b>Y</b> 27   | 10 <b>m</b> 6   | 22938  | 9 <b>∺</b> 33  | 10 <b>米</b> 57  | 26 <b>8</b> 58 | 248 8          | S 31 |

JANUARY 1933 00:00 UT

| Day          | Sid.t              | 0                    | D                       | ğ               | φ              | ď               | 4              | ħ             | )Å(            | ¥              | Р              | n             | v              | ţ              | ķ              | Day          |
|--------------|--------------------|----------------------|-------------------------|-----------------|----------------|-----------------|----------------|---------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|--------------|
| S 1          | 6 40 46            | 10궁 8'30             | 9 <b>)</b> €12          | 19 <b>,7</b> 41 | 13 <b>×</b> 17 | 18 <b>m</b> ) 0 | 23 Mp 11       | 4≈ 2          | 19 <b>Ƴ</b> 27 | 10°R 5         | 22°R37         | 9°D32         | 10 <b>)</b> 54 | 27 <b>8</b> 5  | 24°R 6         | S 1          |
| M 2          | 6 44 43            | 11° 9'40             | 22° 3                   | 21° 1           | 14°31          | 18°12           | 23°12          | 4° 9          | 19°27          | 10 Mp 4        | 22935          | 9 <b>∺</b> 33 | 10°51          | 27°12          | 248 4          | M 2          |
| T 3          | 6 48 39            | 12°10'50             | 4 <b>Υ</b> 32           | 22°22           | 15°46          | 18°24           | 23°14          | 4°16          | 19°27          | 10° 4          | 22°34          | 9°34          | 10°48          | 27°19          | 24° 2          | T 3          |
| W 4          | 6 52 36            | 13°11'59             | 16°43                   | 23°44           | 17° 1          | 18°36           | 23°14          | 4°23          | 19°28          | 10° 3          | 22°33          | 9°R34         | 10°45          | 27°25          | 24° 0          | W 4          |
| T 5          | 6 56 33<br>7 0 29  | 14°13'09<br>15°14'18 | 28°42<br>10 <b>8</b> 35 | 25° 8<br>26°32  | 18°16<br>19°30 | 18°47<br>18°57  | 23°15<br>23°16 | 4°29<br>4°36  | 19°28<br>19°28 | 10° 2<br>10° 1 | 22°32<br>22°30 | 9°33<br>9°29  | 10°42<br>10°38 | 27°32<br>27°39 | 23°58<br>23°57 | T 5<br>F 6   |
| S 7          | 7 4 26             | 15 14 18<br>16°15'26 | 22°26                   | 20°57           | 20°45          | 19° 7           | 23°16          | 4°43          | 19°29          | 10° 1          | 22°29          | 9°23          | 10°35          | 27°45          | 23°55          | S 7          |
| S 8          | 7 8 22             | 17°16'35             | 4 <b>Ⅱ</b> 18           | 29°23           | 22° 0          | 19°17           | 23°R16         | 4°50          | 19°29          | 10° 0          | 22°28          | 9°15          | 10°32          | 27°52          | 23°53          | S 8          |
| M 9          | 7 12 19            | 18°17'43             | 16°15                   | 0 <b>궁</b> 49   | 23°15          | 19°25           | 23°16          | 4°57          | 19°30          | 9°59           | 22°26          | 9° 6          | 10°29          | 27°59          | 23°52          | M 9          |
| T 10         | 7 16 15            | 19°18'50             | 28°20                   | 2°16            | 24°30          | 19°33           | 23°16          | 5° 4          | 19°31          | 9°58           | 22°25          | 8°56          | 10°26          | 28° 6          | 23°50          | T 10         |
| W11          | 7 20 12            | 20°19'58             | 10935                   | 3°44            | 25°44          | 19°41           | 23°15          | 5°11          | 19°31          | 9°57           | 22°24          | 8°46          | 10°23          | 28°12          | 23°49          | W11          |
| T 12<br>F 13 | 7 24 8<br>7 28 5   | 21°21'04<br>22°22'11 | 22°59<br>5 <b>Ω</b> 33  | 5°12<br>6°41    | 26°59<br>28°14 | 19°47<br>19°53  | 23°15<br>23°14 | 5°18<br>5°25  | 19°32<br>19°33 | 9°56<br>9°55   | 22°23<br>22°21 | 8°37<br>8°31  | 10°19<br>10°16 | 28°19<br>28°26 | 23°48<br>23°46 | T 12<br>F 13 |
| S 14         | 7 28 5<br>7 32 2   | 23°23'17             | 18°19                   | 8°11            | 28°14<br>29°29 | 19°53           | 23°13          | 5°32          | 19°33          | 9°54           | 22°20          | 8°26          | 10°16<br>10°13 | 28°33          | 23°45          | S 14         |
| S 15         | 7 35 58            | 24°24'23             | 1 Mp 15                 | 9°41            | 0 <b>궁</b> 44  | 20° 4           | 23°11          | 5°39          | 19°34          | 9°53           | 22°19          | 8°24          | 10°10          | 28°39          | 23°44          | S 15         |
| M16          | 7 39 55            | 25°25'28             | 14°23                   | 11°12           | 1°59           | 20° 8           | 23°10          | 5°46          | 19°35          | 9°52           | 22°17          | 8°D24         | 10° 7          | 28°46          | 23°43          | M16          |
| T 17         | 7 43 51            | 26°26'33             | 27°44                   | 12°43           | 3°14           | 20°11           | 23° 8          | 5°53          | 19°36          | 9°51           | 22°16          | 8°25          | 10° 3          | 28°53          | 23°42          | T 17         |
| W18          | 7 47 48            | 27°27'38             | 11 <b>≏</b> 18          | 14°15           | 4°29           | 20°14           | 23° 7          | 6° 1          | 19°37          | 9°50           | 22°15          | 8°27          | 10° 0          | 28°59          | 23°41          | W18          |
| T 19         | 7 51 44            | 28°28'42             | 25° 6                   | 15°48           | 5°43           | 20°15           | 23° 5          | 6° 8          | 19°38          | 9°49           | 22°14          | 8°R28         | 9°57           | 29° 6          | 23°40<br>23°39 | T 19         |
| F 20<br>S 21 | 7 55 41<br>7 59 37 | 29°29'47<br>0≈30'51  | 9M 9<br>23°26           | 17°21<br>18°54  | 6°58<br>8°13   | 20°17<br>20°R17 | 23° 2<br>23° 0 | 6°15<br>6°22  | 19°39<br>19°41 | 9°47<br>9°46   | 22°12<br>22°11 | 8°27<br>8°25  | 9°54<br>9°51   | 29°13<br>29°20 | 23°39<br>23°38 | F 20<br>S 21 |
|              |                    |                      |                         |                 |                |                 |                |               | -              |                |                |               |                |                |                |              |
| S 22         | 8 3 34             | 1°31'54              | 7 <b>₹</b> 55           | 20°28           | 9°28           | 20°17           | 22°57          | 6°29          | 19°42          | 9°45           | 22°10          | 8°22          | 9°48           | 29°26          | 23°38          | S 22         |
| M23<br>T 24  | 8 7 31<br>8 11 27  | 2°32'58<br>3°34'00   | 22°31<br>7 <b>る</b> 8   | 22° 3<br>23°38  | 10°43<br>11°58 | 20°16<br>20°14  | 22°55<br>22°52 | 6°36<br>6°43  | 19°43<br>19°44 | 9°44<br>9°43   | 22° 8<br>22° 7 | 8°17<br>8°11  | 9°44<br>9°41   | 29°33<br>29°40 | 23°37<br>23°36 | M23<br>T 24  |
| W25          | 8 15 24            | 4°35'02              | 21°39                   | 25°14           | 13°13          | 20°11           | 22°49          | 6°51          | 19°46          | 9°43           | 22° 6          | 8° 6          | 9°38           | 29°46          | 23°36          | W25          |
| T 26         | 8 19 20            | 5°36'04              | 5 <b>≈</b> 58           | 26°51           | 14°28          | 20° 8           | 22°45          | 6°58          | 19°47          | 9°40           | 22° 5          | 8° 1          | 9°35           | 29°53          | 23°35          | T 26         |
| F 27         | 8 23 17            | 6°37'04              | 20° 0                   | 28°28           | 15°43          | 20° 3           | 22°42          | 7° 5          | 19°49          | 9°39           | 22° 3          | 7°58          | 9°32           | 29°59          | 23°35          | F 27         |
| S 28         | 8 27 13            | 7°38'03              | 3 <b>∺</b> 39           | 0≈ 6            | 16°58          | 19°58           | 22°38          | 7°12          | 19°50          | 9°37           | 22° 2          | 7°D57         | 9°29           | 0 <b>Π</b> 7   | 23°35          | S 28         |
| S 29         | 8 31 10            | 8°39'01              | 16°56                   | 1°44            | 18°13          | 19°53           | 22°34          | 7°19          | 19°52          | 9°36           | 22° 1          | 7°57          | 9°25           | 0°13           | 23°34          | S 29         |
| M30          | 8 35 6             | 9°39'58              | 29°49                   | 3°23            | 19°28          | 19°46           | 22°30          | 7°27          | 19°53          | 9°35           | 22° 0          | 7°59          | 9°22           | 0°20           | 23°34          | M30          |
| T 31         | 8 39 3             | 10≈40'54             | 12 <b>Y</b> 22          | 5≈ 3            | 20 <b>る</b> 43 | 19 <b>m</b> /39 | 22 Mg 26       | 7 <b>≈</b> 34 | 19 <b>Ƴ</b> 55 | 9 <b>m</b> 33  | 219558         | 8 <b>∺</b> 0  | 9 <b>米</b> 19  | 0 <b>П</b> 27  | 23 <b>8</b> 34 | T 31         |

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| Day  | Sid.t    | 0                  | D               | ğ                | φ              | ♂               | 4              | ħ     | )f(            | ¥              | Р      | v               | Ω             | Č             | ę,             | Day  |
|------|----------|--------------------|-----------------|------------------|----------------|-----------------|----------------|-------|----------------|----------------|--------|-----------------|---------------|---------------|----------------|------|
| W 1  | 8 43 0   | 11≈41'49           | 24 <b>Y</b> 37  | 6≈43             | 21 <b>궁</b> 58 | 19°R30          | 22°R22         | 7≈41  | 19 <b>Y</b> 57 | 9°R32          | 21°R57 | 8 <b>∺</b> 2    | 9 <b>)</b> 16 | 0Д34          | 23°D34         | W 1  |
| T 2  | 8 46 56  | 12°42'42           | 6 <b>8</b> 40   | 8°25             | 23°13          | 19 <b>m</b> /21 | 22 Mp 17       | 7°48  | 19°58          | 9 <b>m</b> 30  | 219556 | 8° 3            | 9°13          | 0°40          | 23 <b>8</b> 34 | T 2  |
| F 3  | 8 50 53  | 13°43'34           | 18°35           | 10° 7            | 24°28          | 19°12           | 22°13          | 7°55  | 20° 0          | 9°29           | 21°55  | 8°R 3           | 9° 9          | 0°47          | 23°34          | F 3  |
| S 4  | 8 54 49  | 14°44'24           | 0П27            | 11°49            | 25°42          | 19° 1           | 22° 8          | 8° 2  | 20° 2          | 9°27           | 21°54  | 8° 2            | 9° 6          | 0°54          | 23°34          | S 4  |
| S 5  | 8 58 46  | 15°45'13           | 12°21           | 13°33            | 26°57          | 18°50           | 22° 3          | 8° 9  | 20° 4          | 9°26           | 21°52  | 8° 0            | 9° 3          | 1° 0          | 23°35          | S 5  |
| M 6  | 9 2 42   | 16°46'01           | 24°20           | 15°17            | 28°12          | 18°38           | 21°58          | 8°17  | 20° 6          | 9°24           | 21°51  | 7°57            | 9° 0          | 1° 7          | 23°35          | M 6  |
| T 7  | 9 6 3 9  | 17°46'47           | 6930            | 17° 2            | 29°27          | 18°25           | 21°52          | 8°24  | 20° 8          | 9°23           | 21°50  | 7°54            | 8°57          | 1°14          | 23°35          | T 7  |
| W 8  | 9 10 35  | 18°47'32           | 18°51           | 18°47            | 0≈42           | 18°11           | 21°47          | 8°31  | 20°10          | 9°21           | 21°49  | 7°50            | 8°54          | 1°21          | 23°36          | W 8  |
| T 9  | 9 14 32  | 19°48'16           | 1 <b>Ω</b> 27   | 20°34            | 1°57           | 17°57           | 21°41          | 8°38  | 20°12          | 9°20           | 21°48  | 7°48            | 8°50          | 1°27          | 23°36          | T 9  |
| F 10 | 9 18 29  | 20°48'58           | 14°18           | 22°21            | 3°12           | 17°42           | 21°36          | 8°45  | 20°14          | 9°18           | 21°47  | 7°46            | 8°47          | 1°34          | 23°37          | F 10 |
| S 11 | 9 22 25  | 21°49'38           | 27°24           | 24° 9            | 4°27           | 17°26           | 21°30          | 8°52  | 20°16          | 9°17           | 21°46  | 7°44            | 8°44          | 1°41          | 23°37          | S 11 |
| S 12 | 9 26 22  | 22°50'17           | 10 <b>m</b> /44 | 25°58            | 5°42           | 17° 9           | 21°24          | 8°59  | 20°18          | 9°15           | 21°44  | 7°D44           | 8°41          | 1°47          | 23°38          | S 12 |
| M13  | 9 30 18  | 23°50'55           | 24°18           | 27°47            | 6°57           | 16°52           | 21°17          | 9° 6  | 20°20          | 9°13           | 21°43  | 7°45            | 8°38          | 1°54          | 23°39          | M13  |
| T 14 | 9 34 15  | 24°51'32           | 8 <b>₾</b> 3    | 29°37            | 8°12           | 16°35           | 21°11          | 9°13  | 20°22          | 9°12           | 21°42  | 7°46            | 8°35          | 2° 1          | 23°40          | T 14 |
| W15  | 9 38 11  | 25°52'07           | 21°58           | 1 <b>∺</b> 27    | 9°27           | 16°16           | 21° 5          | 9°20  | 20°25          | 9°10           | 21°41  | 7°47            | 8°31          | 2° 8          | 23°41          | W15  |
| T 16 | 9 42 8   | 26°52'41           | 6 <b>M</b> 0    | 3°18             | 10°41          | 15°57           | 20°58          | 9°27  | 20°27          | 9° 9           | 21°40  | 7°48            | 8°28          | 2°14          | 23°41          | T 16 |
| F 17 | 9 46 4   | 27°53'14           | 20° 8           | 5° 9             | 11°56          | 15°38           | 20°52          | 9°34  | 20°29          | 9° 7           | 21°39  | 7°48            | 8°25          | 2°21          | 23°43          | F 17 |
| S 18 | 9 50 1   | 28°53'46           | 4 <b>√</b> 19   | 7° 0             | 13°11          | 15°17           | 20°45          | 9°41  | 20°32          | 9° 5           | 21°38  | 7°R48           | 8°22          | 2°28          | 23°44          | S 18 |
| S 19 | 9 53 58  | 29°54'17           | 18°32           | 8°51             | 14°26          | 14°57           | 20°38          | 9°48  | 20°34          | 9° 4           | 21°37  | 7°48            | 8°19          | 2°35          | 23°45          | S 19 |
| M20  | 9 57 54  | 0 <b>) €</b> 54'46 | 2 <b>ප</b> 44   | 10°43            | 15°41          | 14°36           | 20°31          | 9°55  | 20°37          | 9° 2           | 21°36  | 7°47            | 8°15          | 2°41          | 23°46          | M20  |
| T 21 | 10 151   | 1°55'14            | 16°52           | 12°34            | 16°56          | 14°14           | 20°24          | 10° 2 | 20°39          | 9° 0           | 21°35  | 7°46            | 8°12          | 2°48          | 23°47          | T 21 |
| W22  | 10 5 47  | 2°55'41            | 0≈53            | 14°24            | 18°11          | 13°52           | 20°17          | 10° 8 | 20°42          | 8°59           | 21°34  | 7°46            | 8° 9          | 2°55          | 23°49          | W22  |
| T 23 | 10 9 44  | 3°56'06            | 14°44           | 16°13            | 19°26          | 13°29           | 20°10          | 10°15 | 20°44          | 8°57           | 21°33  | 7°45            | 8° 6          | 3° 1          | 23°50          | T 23 |
| F 24 | 10 13 40 | 4°56'29            | 28°21           | 18° 1            | 20°41          | 13° 7           | 20° 3          | 10°22 | 20°47          | 8°55           | 21°33  | 7°45            | 8° 3          | 3° 8          | 23°51          | F 24 |
| S 25 | 10 17 37 | 5°56'51            | 11 <b>)</b> (43 | 19°47            | 21°55          | 12°44           | 19°55          | 10°29 | 20°49          | 8°54           | 21°32  | 7°D45           | 8° 0          | 3°15          | 23°53          | S 25 |
| S 26 | 10 21 33 | 6°57'11            | 24°48           | 21°31            | 23°10          | 12°20           | 19°48          | 10°35 | 20°52          | 8°52           | 21°31  | 7°45            | 7°56          | 3°22          | 23°55          | S 26 |
| M27  | 10 25 30 | 7°57'29            | 7 <b>Υ</b> 35   | 23°13            | 24°25          | 11°57           | 19°40          | 10°42 | 20°55          | 8°50           | 21°30  | 7°R45           | 7°53          | 3°28          | 23°56          | M27  |
| T 28 | 10 29 27 | 8 <b>) (</b> 57'45 | 20 <b>°</b> 6   | 24 <b>) (</b> 52 | 25≈40          | 11 <b>m</b> 33  | 19 <b>m</b> 33 | 10≈49 | 20 <b>Y</b> 58 | 8 <b>m</b> /49 | 219529 | 7 <b>) (</b> 45 | 7 <b>∺</b> 50 | 3 <b>Ⅲ</b> 35 | 23 <b>8</b> 58 | T 28 |

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| Day  | Sid.t    | 0                 | D              | ğ              | P             | ð               | 4               | ħ              | )f(            | ¥             | Р      | ß             | ಬ              | ţ             | ę,             | Day  |
|------|----------|-------------------|----------------|----------------|---------------|-----------------|-----------------|----------------|----------------|---------------|--------|---------------|----------------|---------------|----------------|------|
| W 1  | 10 33 23 | 9 <b>)</b> €58'00 | 2 <b>8</b> 22  | 26 <b>米</b> 26 | 26≈55         | 11°R10          | 19°R25          | 10≈55          | 21 <b>Y</b> 0  | 8°R47         | 21°R28 | 7°R45         | 7 <b>)</b> €47 | 3 <b>Ⅱ</b> 42 | 24 <b>8</b> 0  | W 1  |
| T 2  | 10 37 20 | 10°58'12          | 14°27          | 27°57          | 28°10         | 10 <b>M</b> )46 | 19 <b>m</b> 17  | 11° 2          | 21° 3          | 8 <b>m</b> 45 | 219527 | 7 <b>∺</b> 45 | 7°44           | 3°48          | 24° 2          | T 2  |
| F 3  | 10 41 16 | 11°58'23          | 26°23          | 29°23          | 29°24         | 10°22           | 19°10           | 11° 8          | 21° 6          | 8°44          | 21°27  | 7°44          | 7°41           | 3°55          | 24° 4          | F 3  |
| S 4  | 10 45 13 | 12°58'31          | 8 <b>Ⅱ</b> 16  | 0 <b>Υ</b> 44  | 0 <b>∺</b> 39 | 9°58            | 19° 2           | 11°15          | 21° 9          | 8°42          | 21°26  | 7°D44         | 7°37           | 4° 2          | 24° 5          | S 4  |
| S 5  | 10 49 9  | 13°58'37          | 20°10          | 1°58           | 1°54          | 9°35            | 18°54           | 11°21          | 21°12          | 8°40          | 21°25  | 7°44          | 7°34           | 4° 9          | 24° 8          | S 5  |
| M 6  | 10 53 6  | 14°58'41          | 2 <b>9</b> 5 9 | 3° 6           | 3° 9          | 9°11            | 18°47           | 11°28          | 21°15          | 8°39          | 21°25  | 7°44          | 7°31           | 4°15          | 24°10          | M 6  |
| T 7  | 10 57 2  | 15°58'44          | 14°18          | 4° 7           | 4°24          | 8°48            | 18°39           | 11°34          | 21°17          | 8°37          | 21°24  | 7°45          | 7°28           | 4°22          | 24°12          | T 7  |
| W 8  | 11 0 59  | 16°58'43          | 26°42          | 5° 1           | 5°38          | 8°24            | 18°31           | 11°40          | 21°20          | 8°35          | 21°23  | 7°46          | 7°25           | 4°29          | 24°14          | W 8  |
| T 9  | 11 4 56  | 17°58'41          | 9 <b>Ω</b> 23  | 5°46           | 6°53          | 8° 2            | 18°23           | 11°47          | 21°23          | 8°34          | 21°23  | 7°47          | 7°21           | 4°36          | 24°16          | T 9  |
| F 10 | 11 8 52  | 18°58'37          | 22°25          | 6°24           | 8° 8          | 7°39            | 18°15           | 11°53          | 21°26          | 8°32          | 21°22  | 7°48          | 7°18           | 4°42          | 24°18          | F 10 |
| S 11 | 11 12 49 | 19°58'30          | 5 <b>M</b> 47  | 6°53           | 9°23          | 7°17            | 18° 7           | 11°59          | 21°29          | 8°30          | 21°21  | 7°R48         | 7°15           | 4°49          | 24°21          | S 11 |
| S 12 | 11 16 45 | 20°58'22          | 19°29          | 7°13           | 10°37         | 6°55            | 18° 0           | 12° 5          | 21°32          | 8°29          | 21°21  | 7°48          | 7°12           | 4°56          | 24°23          | S 12 |
| M13  | 11 20 42 | 21°58'11          | 3 <b>₾</b> 30  | 7°24           | 11°52         | 6°33            | 17°52           | 12°11          | 21°36          | 8°27          | 21°20  | 7°47          | 7° 9           | 5° 2          | 24°26          | M13  |
| T 14 | 11 24 38 | 22°57'59          | 17°44          | 7°R27          | 13° 7         | 6°12            | 17°44           | 12°17          | 21°39          | 8°26          | 21°20  | 7°45          | 7° 6           | 5° 9          | 24°28          | T 14 |
| W15  | 11 28 35 | 23°57'45          | 2M 8           | 7°21           | 14°21         | 5°51            | 17°36           | 12°23          | 21°42          | 8°24          | 21°19  | 7°43          | 7° 2           | 5°16          | 24°31          | W15  |
| T 16 | 11 32 31 | 24°57'29          | 16°35          | 7° 7           | 15°36         | 5°31            | 17°29           | 12°29          | 21°45          | 8°22          | 21°19  | 7°41          | 6°59           | 5°23          | 24°33          | T 16 |
| F 17 | 11 36 28 | 25°57'11          | 1 <b>/</b> 7 1 | 6°46           | 16°51         | 5°12            | 17°21           | 12°35          | 21°48          | 8°21          | 21°18  | 7°39          | 6°56           | 5°29          | 24°36          | F 17 |
| S 18 | 11 40 25 | 26°56'52          | 15°21          | 6°17           | 18° 5         | 4°53            | 17°13           | 12°41          | 21°51          | 8°19          | 21°18  | 7°38          | 6°53           | 5°36          | 24°39          | S 18 |
| S 19 | 11 44 21 | 27°56'31          | 29°32          | 5°41           | 19°20         | 4°34            | 17° 6           | 12°47          | 21°54          | 8°18          | 21°17  | 7°D37         | 6°50           | 5°43          | 24°42          | S 19 |
| M20  | 11 48 18 | 28°56'09          | 13 <b>る</b> 33 | 5° 0           | 20°35         | 4°17            | 16°58           | 12°52          | 21°58          | 8°16          | 21°17  | 7°38          | 6°47           | 5°50          | 24°44          | M20  |
| T 21 | 11 52 14 | 29°55'44          | 27°21          | 4°15           | 21°49         | 3°59            | 16°51           | 12°58          | 22° 1          | 8°15          | 21°17  | 7°39          | 6°43           | 5°56          | 24°47          | T 21 |
| W22  | 11 56 11 | 0 <b>Υ</b> 55'18  | 10≈57          | 3°26           | 23° 4         | 3°43            | 16°43           | 13° 4          | 22° 4          | 8°13          | 21°16  | 7°41          | 6°40           | 6° 3          | 24°50          | W22  |
| T 23 | 12 0 7   | 1°54'50           | 24°20          | 2°34           | 24°18         | 3°27            | 16°36           | 13° 9          | 22° 7          | 8°12          | 21°16  | 7°42          | 6°37           | 6°10          | 24°53          | T 23 |
| F 24 | 12 4 4   | 2°54'20           | 7 <b>∺</b> 31  | 1°41           | 25°33         | 3°12            | 16°29           | 13°15          | 22°11          | 8°10          | 21°16  | 7°R43         | 6°34           | 6°16          | 24°56          | F 24 |
| S 25 | 12 8 0   | 3°53'48           | 20°30          | 0°48           | 26°48         | 2°58            | 16°21           | 13°20          | 22°14          | 8° 9          | 21°15  | 7°42          | 6°31           | 6°23          | 24°59          | S 25 |
| S 26 | 12 11 57 | 4°53'14           | <b>3Υ</b> 16   | 29 <b>米</b> 55 | 28° 2         | 2°44            | 16°14           | 13°25          | 22°17          | 8° 7          | 21°15  | 7°40          | 6°27           | 6°30          | 25° 2          | S 26 |
| M27  | 12 15 54 | 5°52'39           | 15°50          | 29° 5          | 29°17         | 2°31            | 16° 7           | 13°31          | 22°21          | 8° 6          | 21°15  | 7°36          | 6°24           | 6°37          | 25° 6          | M27  |
| T 28 | 12 19 50 | 6°52'01           | 28°12          | 28°17          | 0 <b>Υ</b> 31 | 2°19            | 16° 0           | 13°36          | 22°24          | 8° 4          | 21°15  | 7°32          | 6°21           | 6°43          | 25° 9          | T 28 |
| W29  | 12 23 47 | 7°51'21           | 10823          | 27°33          | 1°46          | 2° 8            | 15°53           | 13°41          | 22°27          | 8° 3          | 21°15  | 7°26          | 6°18           | 6°50          | 25°12          | W29  |
| T 30 | 12 27 43 | 8°50'38           | 22°26          | 26°53          | 3° 0          | 1°57            | 15°47           | 13°46          | 22°31          | 8° 1          | 21°14  | 7°21          | 6°15           | 6°57          | 25°15          | T 30 |
| F 31 | 12 31 40 | 9 <b>Ƴ</b> 49'54  | 4 <b>Ⅱ</b> 21  | 26 <b>)</b> 17 | <b>4Υ</b> 15  | 1 <b>m</b> ) 48 | 15 <b>M</b> )40 | 13 <b>≈</b> 51 | 22 <b>Y</b> 34 | 8Mp 0         | 219514 | 7 <b>∺</b> 16 | 6 <b>光</b> 12  | 7 <b>耳</b> 3  | 25 <b>8</b> 19 | F 31 |

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| Day  | Sid.t    | 0                 | D               | ğ              | φ             | ð       | 4                | ħ              | )f(            | ¥             | Р      | B             | Ω              | Ç             | ę,             | Day  |
|------|----------|-------------------|-----------------|----------------|---------------|---------|------------------|----------------|----------------|---------------|--------|---------------|----------------|---------------|----------------|------|
| S 1  | 12 35 36 | 10 <b>°</b> 49'07 | 16 <b>I</b> I13 | 25°R47         | 5 <b>℃</b> 29 | 1°R39   | 15°R34           | 13≈56          | 22 <b>Y</b> 37 | 7°R59         | 21°R14 | 7°R12         | 6 <b>∺</b> 8   | 7 <b>Ⅱ</b> 10 | 25 <b>8</b> 22 | S 1  |
| S 2  | 12 39 33 | 11°48'18          | 28° 6           | 25 <b>)</b> 22 | 6°44          | 1 Mp 30 | 15 <b>m</b> ) 27 | 14° 1          | 22°41          | 7 <b>m</b> 57 | 219514 | 7 <b>∺</b> 9  | 6° 5           | 7°17          | 25°25          | S 2  |
| M 3  | 12 43 29 | 12°47'27          | 1095 3          | 25° 2          | 7°58          | 1°23    | 15°21            | 14° 6          | 22°44          | 7°56          | 21°14  | 7°D 8         | 6° 2           | 7°24          | 25°29          | M 3  |
| T 4  | 12 47 26 | 13°46'34          | 22°10           | 24°49          | 9°13          | 1°16    | 15°15            | 14°11          | 22°48          | 7°55          | 21°D14 | 7° 9          | 5°59           | 7°30          | 25°32          | T 4  |
| W 5  | 12 51 23 | 14°45'38          | 4 <b>Ω</b> 31   | 24°40          | 10°27         | 1°11    | 15° 9            | 14°15          | 22°51          | 7°53          | 21°14  | 7°10          | 5°56           | 7°37          | 25°36          | W 5  |
| T 6  | 12 55 19 | 15°44'40          | 17°12           | 24°D38         | 11°41         | 1° 6    | 15° 3            | 14°20          | 22°54          | 7°52          | 21°14  | 7°11          | 5°52           | 7°44          | 25°39          | T 6  |
| F 7  | 12 59 16 | 16°43'39          | 0 <b>m</b> p 15 | 24°41          | 12°56         | 1° 1    | 14°57            | 14°25          | 22°58          | 7°51          | 21°14  | 7°13          | 5°49           | 7°51          | 25°43          | F 7  |
| S 8  | 13 3 12  | 17°42'36          | 13°44           | 24°49          | 14°10         | 0°58    | 14°51            | 14°29          | 23° 1          | 7°50          | 21°14  | 7°R13         | 5°46           | 7°57          | 25°47          | S 8  |
| S 9  | 13 7 9   | 18°41'31          | 27°38           | 25° 2          | 15°24         | 0°55    | 14°46            | 14°33          | 23° 5          | 7°49          | 21°14  | 7°11          | 5°43           | 8° 4          | 25°50          | S 9  |
| M10  | 13 11 5  | 19°40'24          | 11 <b>≏</b> 57  | 25°20          | 16°39         | 0°53    | 14°40            | 14°38          | 23° 8          | 7°47          | 21°14  | 7° 7          | 5°40           | 8°11          | 25°54          | M10  |
| T 11 | 13 15 2  | 20°39'15          | 26°36           | 25°43          | 17°53         | 0°52    | 14°35            | 14°42          | 23°12          | 7°46          | 21°15  | 7° 2          | 5°37           | 8°17          | 25°58          | T 11 |
| W12  | 13 18 58 | 21°38'04          | 11 <b>M</b> 27  | 26°10          | 19° 7         | 0°D52   | 14°30            | 14°46          | 23°15          | 7°45          | 21°15  | 6°55          | 5°33           | 8°24          | 26° 2          | W12  |
| T 13 | 13 22 55 | 22°36'51          | 26°22           | 26°42          | 20°22         | 0°52    | 14°25            | 14°50          | 23°18          | 7°44          | 21°15  | 6°48          | 5°30           | 8°31          | 26° 5          | T 13 |
| F 14 | 13 26 51 | 23°35'36          | 11 <b>×</b> 12  | 27°18          | 21°36         | 0°53    | 14°21            | 14°54          | 23°22          | 7°43          | 21°15  | 6°42          | 5°27           | 8°38          | 26° 9          | F 14 |
| S 15 | 13 30 48 | 24°34'20          | 25°51           | 27°57          | 22°50         | 0°55    | 14°16            | 14°58          | 23°25          | 7°42          | 21°15  | 6°37          | 5°24           | 8°44          | 26°13          | S 15 |
| S 16 | 13 34 45 | 25°33'02          | 10ට12           | 28°41          | 24° 4         | 0°57    | 14°12            | 15° 2          | 23°29          | 7°41          | 21°16  | 6°34          | 5°21           | 8°51          | 26°17          | S 16 |
| M17  | 13 38 41 | 26°31'42          | 24°14           | 29°28          | 25°19         | 1° 0    | 14° 7            | 15° 6          | 23°32          | 7°40          | 21°16  | 6°D33         | 5°18           | 8°58          | 26°21          | M17  |
| T 18 | 13 42 38 | 27°30'20          | 7≈55            | 0 <b>Υ</b> 18  | 26°33         | 1° 4    | 14° 3            | 15° 9          | 23°36          | 7°39          | 21°16  | 6°33          | 5°14           | 9° 4          | 26°25          | T 18 |
| W19  | 13 46 34 | 28°28'57          | 21°18           | 1°12           | 27°47         | 1° 9    | 13°59            | 15°13          | 23°39          | 7°38          | 21°17  | 6°34          | 5°11           | 9°11          | 26°29          | W19  |
| T 20 | 13 50 31 | 29°27'32          | 4 <b>)</b> 23   | 2° 9           | 29° 1         | 1°14    | 13°55            | 15°17          | 23°42          | 7°37          | 21°17  | 6°R35         | 5° 8           | 9°18          | 26°33          | T 20 |
| F 21 | 13 54 27 | 0826'06           | 17°14           | 3° 8           | 0 <b>8</b> 15 | 1°20    | 13°52            | 15°20          | 23°46          | 7°36          | 21°18  | 6°35          | 5° 5           | 9°25          | 26°37          | F 21 |
| S 22 | 13 58 24 | 1°24'37           | 29°53           | 4°11           | 1°30          | 1°26    | 13°48            | 15°23          | 23°49          | 7°35          | 21°18  | 6°32          | 5° 2           | 9°31          | 26°41          | S 22 |
| S 23 | 14 2 20  | 2°23'07           | 12 <b>Y</b> 20  | 5°16           | 2°44          | 1°33    | 13°45            | 15°27          | 23°53          | 7°35          | 21°18  | 6°27          | 4°58           | 9°38          | 26°45          | S 23 |
| M24  | 14 6 17  | 3°21'35           | 24°39           | 6°23           | 3°58          | 1°41    | 13°42            | 15°30          | 23°56          | 7°34          | 21°19  | 6°19          | 4°55           | 9°45          | 26°49          | M24  |
| T 25 | 14 10 14 | 4°20'02           | 6 <b>8</b> 50   | 7°34           | 5°12          | 1°50    | 13°39            | 15°33          | 24° 0          | 7°33          | 21°19  | 6°10          | 4°52           | 9°52          | 26°53          | T 25 |
| W26  | 14 14 10 | 5°18'26           | 18°53           | 8°46           | 6°26          | 1°59    | 13°36            | 15°36          | 24° 3          | 7°32          | 21°20  | 5°58          | 4°49           | 9°58          | 26°57          | W26  |
| T 27 | 14 18 7  | 6°16'49           | 0耳51            | 10° 1          | 7°40          | 2° 8    | 13°34            | 15°39          | 24° 6          | 7°32          | 21°20  | 5°47          | 4°46           | 10° 5         | 27° 1          | T 27 |
| F 28 | 14 22 3  | 7°15'10           | 12°44           | 11°18          | 8°54          | 2°18    | 13°32            | 15°42          | 24°10          | 7°31          | 21°21  | 5°36          | 4°43           | 10°12         | 27° 6          | F 28 |
| S 29 | 14 26 0  | 8°13'29           | 24°35           | 12°38          | 10° 8         | 2°29    | 13°29            | 15°44          | 24°13          | 7°30          | 21°22  | 5°27          | 4°39           | 10°18         | 27°10          | S 29 |
| S 30 | 14 29 56 | 9811'45           | 6927            | 13 <b>Y</b> 59 | 11822         | 2 Mp 41 | 13 <b>m</b> 27   | 15 <b>≈</b> 47 | 24 <b>Y</b> 16 | 7 <b>m</b> 30 | 219522 | 5 <b>₩</b> 19 | 4 <b>)</b> (36 | 10Ⅲ25         | 27814          | S 30 |

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| Day  | Sid.t    | 0        | D              | ğ              | Q+             | δ               | 4              | ħ      | <b>)</b> {     | ¥              | Р      | Ę             | <b>ී</b>       | Ç              | ٧٥             | Day  |
|------|----------|----------|----------------|----------------|----------------|-----------------|----------------|--------|----------------|----------------|--------|---------------|----------------|----------------|----------------|------|
| M 1  | 14 33 53 | 10810'00 | 18923          | 15 <b>Y</b> 23 | 12 <b>8</b> 37 | 2 Mp 52         | 13°R26         | 15≈50  | 24 <b>Y</b> 20 | 7°R29          | 219523 | 5°R15         | 4 <b>)</b> €33 | 10 <b>Ⅱ</b> 32 | 27 <b>8</b> 18 | M 1  |
| T 2  | 14 37 49 | 11° 8'13 | 0 <b>Ω</b> 27  | 16°49          | 13°51          | 3° 5            | 13 <b>M</b> 24 | 15°52  | 24°23          | 7 <b>m</b> ,29 | 21°23  | 5 <b>₩</b> 12 | 4°30           | 10°39          | 27°23          | T 2  |
| W 3  | 14 41 46 | 12° 6'24 | 12°45          | 18°17          | 15° 5          | 3°18            | 13°22          | 15°54  | 24°26          | 7°28           | 21°24  | 5°D12         | 4°27           | 10°45          | 27°27          | W 3  |
| T 4  | 14 45 43 | 13° 4'33 | 25°21          | 19°46          | 16°19          | 3°31            | 13°21          | 15°57  | 24°30          | 7°27           | 21°25  | 5°12          | 4°24           | 10°52          | 27°31          | T 4  |
| F 5  | 14 49 39 | 14° 2'39 | 8 <b>m</b> 20  | 21°18          | 17°33          | 3°45            | 13°20          | 15°59  | 24°33          | 7°27           | 21°26  | 5°R12         | 4°20           | 10°59          | 27°35          | F 5  |
| S 6  | 14 53 36 | 15° 0'44 | 21°46          | 22°52          | 18°46          | 4° 0            | 13°19          | 16° 1  | 24°36          | 7°27           | 21°26  | 5°11          | 4°17           | 11° 6          | 27°40          | S 6  |
| S 7  | 14 57 32 | 15°58'47 | 5 <b>≏</b> 42  | 24°28          | 20° 0          | 4°15            | 13°18          | 16° 3  | 24°40          | 7°26           | 21°27  | 5° 8          | 4°14           | 11°12          | 27°44          | S 7  |
| M 8  | 15 1 29  | 16°56'48 | 20° 6          | 26° 6          | 21°14          | 4°30            | 13°18          | 16° 5  | 24°43          | 7°26           | 21°28  | 5° 2          | 4°11           | 11°19          | 27°48          | M 8  |
| T 9  | 15 5 25  | 17°54'47 | 4ML55          | 27°45          | 22°28          | 4°46            | 13°18          | 16° 7  | 24°46          | 7°25           | 21°29  | 4°54          | 4° 8           | 11°26          | 27°53          | T 9  |
| W10  | 15 9 22  | 18°52'45 | 20° 1          | 29°27          | 23°42          | 5° 3            | 13°D17         | 16° 8  | 24°49          | 7°25           | 21°30  | 4°44          | 4° 4           | 11°32          | 27°57          | W10  |
| T 11 | 15 13 18 | 19°50'41 | 5 <b>₹</b> 16  | 1811           | 24°56          | 5°20            | 13°17          | 16°10  | 24°52          | 7°25           | 21°30  | 4°34          | 4° 1           | 11°39          | 28° 1          | T 11 |
| F 12 | 15 17 15 | 20°48'36 | 20°27          | 2°56           | 26°10          | 5°37            | 13°18          | 16°12  | 24°56          | 7°25           | 21°31  | 4°24          | 3°58           | 11°46          | 28° 6          | F 12 |
| S 13 | 15 21 12 | 21°46'29 | 5 <b>궁</b> 25  | 4°44           | 27°24          | 5°55            | 13°18          | 16°13  | 24°59          | 7°24           | 21°32  | 4°16          | 3°55           | 11°53          | 28°10          | S 13 |
| S 14 | 15 25 8  | 22°44'21 | 20° 2          | 6°33           | 28°38          | 6°13            | 13°19          | 16°14  | 25° 2          | 7°24           | 21°33  | 4°11          | 3°52           | 11°59          | 28°14          | S 14 |
| M15  | 15 29 5  | 23°42'12 | 4≈14           | 8°25           | 29°51          | 6°31            | 13°19          | 16°16  | 25° 5          | 7°24           | 21°34  | 4° 7          | 3°49           | 12° 6          | 28°19          | M15  |
| T 16 | 15 33 1  | 24°40'02 | 18° 0          | 10°18          | 1 <b>II</b> 5  | 6°50            | 13°20          | 16°17  | 25° 8          | 7°24           | 21°35  | 4° 6          | 3°45           | 12°13          | 28°23          | T 16 |
| W17  | 15 36 58 | 25°37'50 | 1 <b>∺</b> 20  | 12°14          | 2°19           | 7°10            | 13°21          | 16°18  | 25°11          | 7°24           | 21°36  | 4° 6          | 3°42           | 12°19          | 28°28          | W17  |
| T 18 | 15 40 54 | 26°35'37 | 14°19          | 14°11          | 3°33           | 7°29            | 13°23          | 16°19  | 25°14          | 7°24           | 21°37  | 4° 6          | 3°39           | 12°26          | 28°32          | T 18 |
| F 19 | 15 44 51 | 27°33'23 | 27° 0          | 16°11          | 4°47           | 7°50            | 13°24          | 16°20  | 25°17          | 7°D24          | 21°38  | 4° 5          | 3°36           | 12°33          | 28°36          | F 19 |
| S 20 | 15 48 48 | 28°31'08 | 9 <b>Υ</b> 26  | 18°12          | 6° 0           | 8°10            | 13°26          | 16°20  | 25°20          | 7°24           | 21°39  | 4° 1          | 3°33           | 12°40          | 28°41          | S 20 |
| S 21 | 15 52 44 | 29°28'52 | 21°41          | 20°15          | 7°14           | 8°31            | 13°27          | 16°21  | 25°23          | 7°24           | 21°40  | 3°54          | 3°30           | 12°46          | 28°45          | S 21 |
| M22  | 15 56 41 | 0Ⅲ26'35  | 3 <b>8</b> 48  | 22°19          | 8°28           | 8°52            | 13°29          | 16°21  | 25°26          | 7°24           | 21°41  | 3°45          | 3°26           | 12°53          | 28°50          | M22  |
| T 23 | 16 0 37  | 1°24'16  | 15°49          | 24°25          | 9°42           | 9°14            | 13°32          | 16°22  | 25°29          | 7°24           | 21°42  | 3°33          | 3°23           | 13° 0          | 28°54          | T 23 |
| W24  | 16 434   | 2°21'57  | 27°45          | 26°33          | 10°56          | 9°36            | 13°34          | 16°22  | 25°32          | 7°24           | 21°43  | 3°19          | 3°20           | 13° 7          | 28°59          | W24  |
| T 25 | 16 8 30  | 3°19'36  | 9Д39           | 28°42          | 12° 9          | 9°58            | 13°36          | 16°23  | 25°35          | 7°24           | 21°44  | 3° 5          | 3°17           | 13°13          | 29° 3          | T 25 |
| F 26 | 16 12 27 | 4°17'14  | 21°30          | 0Ⅲ52           | 13°23          | 10°21           | 13°39          | 16°23  | 25°38          | 7°25           | 21°46  | 2°51          | 3°14           | 13°20          | 29° 7          | F 26 |
| S 27 | 16 16 23 | 5°14'50  | 39522          | 3° 3           | 14°37          | 10°44           | 13°42          | 16°R23 | 25°41          | 7°25           | 21°47  | 2°39          | 3°10           | 13°27          | 29°12          | S 27 |
| S 28 | 16 20 20 | 6°12'26  | 15°15          | 5°14           | 15°50          | 11° 7           | 13°45          | 16°23  | 25°44          | 7°25           | 21°48  | 2°30          | 3° 7           | 13°33          | 29°16          | S 28 |
| M29  | 16 24 17 | 7°10'00  | 27°13          | 7°26           | 17° 4          | 11°30           | 13°48          | 16°23  | 25°46          | 7°26           | 21°49  | 2°23          | 3° 4           | 13°40          | 29°20          | M29  |
| T 30 | 16 28 13 | 8° 7'33  | 9 <b>Ω</b> 19  | 9°38           | 18°18          | 11°54           | 13°52          | 16°22  | 25°49          | 7°26           | 21°50  | 2°19          | 3° 1           | 13°47          | 29°25          | T 30 |
| W31  | 16 32 10 | 9Ⅱ 5'04  | 21 <b>Q</b> 36 | 11 <b>Ⅱ</b> 50 | 19 <b>Ⅲ</b> 31 | 12 <b>M</b> )18 | 13 <b>m</b> 55 | 16≈22  | 25 <b>Y</b> 52 | 7 <b>m</b> 26  | 21952  | 2 <b>∺</b> 18 | 2 <b>)</b> 58  | 13 <b>Ⅱ</b> 54 | 29 <b>8</b> 29 | W31  |

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|------|----------|--------------------|------------------|---------------|--------|----------------|----------------|----------------|----------------|---------------|-------|---------------|---------------|-----------------|----------------|------|
| T 1  | 16 36 6  | 10 <b>I</b> I 2'34 | 4 Mp 10          | 14∏ 1         | 20∏45  | 12 <b>m</b> 43 | 13 <b>m</b> 59 | 16°R22         | 25 <b>Y</b> 55 | 7 <b>m</b> 27 | 21953 | 2°R18         | 2 <b>)</b> 55 | 14 <b>I</b> I 0 | 29 <b>8</b> 34 | T 1  |
| F 2  | 16 40 3  | 11° 0'03           | 17° 5            | 16°12         | 21°59  | 13° 8          | 14° 3          | 16≈21          | 25°57          | 7°27          | 21°54 | 2 <b>)</b> 18 | 2°51          | 14° 7           | 29°38          | F 2  |
| S 3  | 16 43 59 | 11°57'30           | 0 <b>ჲ</b> 26    | 18°22         | 23°12  | 13°33          | 14° 7          | 16°20          | 26° 0          | 7°28          | 21°55 | 2°17          | 2°48          | 14°14           | 29°42          | S 3  |
| S 4  | 16 47 56 | 12°54'56           | 14°14            | 20°31         | 24°26  | 13°58          | 14°11          | 16°20          | 26° 2          | 7°28          | 21°57 | 2°14          | 2°45          | 14°20           | 29°47          | S 4  |
| M 5  | 16 51 52 | 13°52'21           | 28°32            | 22°38         | 25°39  | 14°24          | 14°15          | 16°19          | 26° 5          | 7°29          | 21°58 | 2° 8          | 2°42          | 14°27           | 29°51          | M 5  |
| T 6  | 16 55 49 | 14°49'45           | 13 <b>M</b> .17  | 24°43         | 26°53  | 14°50          | 14°20          | 16°18          | 26° 8          | 7°29          | 21°59 | 2° 1          | 2°39          | 14°34           | 29°55          | T 6  |
| W 7  | 16 59 46 | 15°47'08           | 28°23            | 26°47         | 28° 7  | 15°16          | 14°24          | 16°17          | 26°10          | 7°30          | 22° 1 | 1°51          | 2°36          | 14°41           | 29°59          | W 7  |
| T 8  | 17 3 42  | 16°44'30           | 13 <b>×7</b> 42  | 28°49         | 29°20  | 15°42          | 14°29          | 16°16          | 26°13          | 7°30          | 22° 2 | 1°41          | 2°32          | 14°47           | 0 <b>Ⅱ</b> 4   | T 8  |
| F 9  | 17 739   | 17°41'51           | 29° 1            | 09549         | 0934   | 16° 9          | 14°34          | 16°15          | 26°15          | 7°31          | 22° 3 | 1°31          | 2°29          | 14°54           | 0° 8           | F 9  |
| S 10 | 17 11 35 | 18°39'11           | 14 <b>궁</b> 10   | 2°46          | 1°47   | 16°36          | 14°39          | 16°13          | 26°17          | 7°32          | 22° 5 | 1°23          | 2°26          | 15° 1           | 0°12           | S 10 |
| S 11 | 17 15 32 | 19°36'31           | 28°59            | 4°42          | 3° 1   | 17° 3          | 14°45          | 16°12          | 26°20          | 7°32          | 22° 6 | 1°17          | 2°23          | 15° 8           | 0°17           | S 11 |
| M12  | 17 19 28 | 20°33'50           | 13 <b>≈</b> 21   | 6°35          | 4°14   | 17°30          | 14°50          | 16°11          | 26°22          | 7°33          | 22° 7 | 1°14          | 2°20          | 15°14           | 0°21           | M12  |
| T 13 | 17 23 25 | 21°31'09           | 27°16            | 8°26          | 5°28   | 17°58          | 14°55          | 16° 9          | 26°24          | 7°34          | 22° 9 | 1°D13         | 2°16          | 15°21           | 0°25           | T 13 |
| W14  | 17 27 21 | 22°28'27           | 10 <b>) (</b> 42 | 10°14         | 6°41   | 18°26          | 15° 1          | 16° 7          | 26°27          | 7°35          | 22°10 | 1°13          | 2°13          | 15°28           | 0°29           | W14  |
| T 15 | 17 31 18 | 23°25'45           | 23°43            | 12° 0         | 7°55   | 18°54          | 15° 7          | 16° 6          | 26°29          | 7°36          | 22°12 | 1°R13         | 2°10          | 15°34           | 0°33           | T 15 |
| F 16 | 17 35 15 | 24°23'02           | 6 <b>Ƴ</b> 22    | 13°43         | 9° 8   | 19°22          | 15°13          | 16° 4          | 26°31          | 7°37          | 22°13 | 1°13          | 2° 7          | 15°41           | 0°38           | F 16 |
| S 17 | 17 39 11 | 25°20'19           | 18°45            | 15°24         | 10°22  | 19°51          | 15°19          | 16° 2          | 26°33          | 7°37          | 22°15 | 1°10          | 2° 4          | 15°48           | 0°42           | S 17 |
| S 18 | 17 43 8  | 26°17'36           | 0 <b>8</b> 54    | 17° 3         | 11°35  | 20°19          | 15°25          | 16° 0          | 26°35          | 7°38          | 22°16 | 1° 5          | 2° 1          | 15°55           | 0°46           | S 18 |
| M19  | 17 47 4  | 27°14'53           | 12°55            | 18°39         | 12°48  | 20°48          | 15°32          | 15°58          | 26°37          | 7°39          | 22°17 | 0°58          | 1°57          | 16° 1           | 0°50           | M19  |
| T 20 | 17 51 1  | 28°12'09           | 24°50            | 20°13         | 14° 2  | 21°17          | 15°38          | 15°55          | 26°39          | 7°40          | 22°19 | 0°48          | 1°54          | 16° 8           | 0°54           | T 20 |
| W21  | 17 54 57 | 29° 9'26           | 6 <b>Ⅱ</b> 43    | 21°44         | 15°15  | 21°47          | 15°45          | 15°53          | 26°41          | 7°41          | 22°20 | 0°37          | 1°51          | 16°15           | 0°58           | W21  |
| T 22 | 17 58 54 | 095 6'41           | 18°34            | 23°12         | 16°29  | 22°16          | 15°52          | 15°51          | 26°43          | 7°42          | 22°22 | 0°26          | 1°48          | 16°21           | 1° 2           | T 22 |
| F 23 | 18 2 50  | 1° 3'57            | 0926             | 24°38         | 17°42  | 22°46          | 15°59          | 15°48          | 26°45          | 7°44          | 22°23 | 0°15          | 1°45          | 16°28           | 1° 6           | F 23 |
| S 24 | 18 6 47  | 2° 1'12            | 12°21            | 26° 2         | 18°56  | 23°16          | 16° 6          | 15°46          | 26°47          | 7°45          | 22°25 | 0° 5          | 1°42          | 16°35           | 1°10           | S 24 |
| S 25 | 18 10 44 | 2°58'27            | 24°20            | 27°23         | 20° 9  | 23°46          | 16°13          | 15°43          | 26°49          | 7°46          | 22°26 | 29≈58         | 1°38          | 16°42           | 1°14           | S 25 |
| M26  | 18 14 40 | 3°55'41            | $6\Omega 25$     | 28°41         | 21°22  | 24°17          | 16°20          | 15°41          | 26°51          | 7°47          | 22°28 | 29°53         | 1°35          | 16°48           | 1°18           | M26  |
| T 27 | 18 18 37 | 4°52'55            | 18°38            | 29°56         | 22°36  | 24°47          | 16°28          | 15°38          | 26°53          | 7°48          | 22°30 | 29°50         | 1°32          | 16°55           | 1°22           | T 27 |
| W28  | 18 22 33 | 5°50'09            | 1 Mp 2           | 1 <b>N</b> 9  | 23°49  | 25°18          | 16°36          | 15°35          | 26°54          | 7°49          | 22°31 | 29°D49        | 1°29          | 17° 2           | 1°26           | W28  |
| T 29 | 18 26 30 | 6°47'21            | 13°40            | 2°19          | 25° 2  | 25°49          | 16°43          | 15°32          | 26°56          | 7°51          | 22°33 | 29°50         | 1°26          | 17° 8           | 1°29           | T 29 |
| F 30 | 18 30 26 | 79644'34           | 26Mp37           | 3 <b>Ω</b> 26 | 269916 | 26Mp20         | 16 <b>M</b> 51 | 15 <b>≈</b> 29 | 26 <b>Y</b> 57 | 7 <b>m</b> 52 | 22934 | 29≈51         | 1 <b>∺</b> 22 | 17 <b>I</b> I15 | 1耳33           | F 30 |

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|------|----------|------------------|-----------------|---------------|--------------|----------------|----------------|--------|----------------|-----------------|-------|--------|---------------|-----------------|----------------|------|
| S 1  | 18 34 23 | 8941'46          | 9 <b>≙</b> 55   | 4 <b>Ω</b> 30 | 27929        | 26 <b>m</b> 51 | 16 <b>M</b> 59 | 15°R26 | 26 <b>Y</b> 59 | 7 <b>m</b> 53   | 22936 | 29°R51 | 1 <b>)</b> 19 | 17 <b>II</b> 22 | 1 <b>I</b> I37 | S 1  |
| S 2  | 18 38 19 | 9°38'58          | 23°37           | 5°31          | 28°42        | 27°23          | 17° 7          | 15≈23  | 27° 1          | 7°55            | 22°37 | 29≈51  | 1°16          | 17°29           | 1°41           | S 2  |
| M 3  | 18 42 16 | 10°36'09         | 7 <b>M</b> .44  | 6°29          | 29°55        | 27°54          | 17°15          | 15°20  | 27° 2          | 7°56            | 22°39 | 29°48  | 1°13          | 17°35           | 1°44           | M 3  |
| T 4  | 18 46 13 | 11°33'20         | 22°16           | 7°23          | 1 <b>Ω</b> 9 | 28°26          | 17°24          | 15°16  | 27° 4          | 7°57            | 22°40 | 29°43  | 1°10          | 17°42           | 1°48           | T 4  |
| W 5  | 18 50 9  | 12°30'31         | 7 <b>.₹</b> 9   | 8°14          | 2°22         | 28°58          | 17°32          | 15°13  | 27° 5          | 7°59            | 22°42 | 29°37  | 1° 7          | 17°49           | 1°52           | W 5  |
| T 6  | 18 54 6  | 13°27'42         | 22°15           | 9° 2          | 3°35         | 29°30          | 17°41          | 15°10  | 27° 6          | 8° 0            | 22°44 | 29°30  | 1° 3          | 17°56           | 1°55           | T 6  |
| F 7  | 18 58 2  | 14°24'53         | 7 <b>云</b> 25   | 9°46          | 4°48         | 0 <b>₾</b> 3   | 17°49          | 15° 6  | 27° 8          | 8° 2            | 22°45 | 29°24  | 1° 0          | 18° 2           | 1°59           | F 7  |
| S 8  | 19 1 59  | 15°22'04         | 22°30           | 10°27         | 6° 2         | 0°35           | 17°58          | 15° 3  | 27° 9          | 8° 3            | 22°47 | 29°19  | 0°57          | 18° 9           | 2° 2           | S 8  |
| S 9  | 19 5 5 5 | 16°19'15         | 7≈19            | 11° 3         | 7°15         | 1° 8           | 18° 7          | 14°59  | 27°10          | 8° 5            | 22°48 | 29°15  | 0°54          | 18°16           | 2° 6           | S 9  |
| M10  | 19 9 52  | 17°16'26         | 21°46           | 11°36         | 8°28         | 1°40           | 18°16          | 14°55  | 27°11          | 8° 6            | 22°50 | 29°13  | 0°51          | 18°22           | 2° 9           | M10  |
| T 11 | 19 13 49 | 18°13'38         | 5 <b>)</b> (46  | 12° 4         | 9°41         | 2°13           | 18°25          | 14°52  | 27°12          | 8° 8            | 22°52 | 29°D13 | 0°48          | 18°29           | 2°13           | T 11 |
| W12  | 19 17 45 | 19°10'50         | 19°19           | 12°28         | 10°54        | 2°46           | 18°34          | 14°48  | 27°13          | 8° 9            | 22°53 | 29°14  | 0°44          | 18°36           | 2°16           | W12  |
| T 13 | 19 21 42 | 20° 8'02         | 2 <b>Υ</b> 25   | 12°48         | 12° 7        | 3°20           | 18°43          | 14°44  | 27°14          | 8°11            | 22°55 | 29°16  | 0°41          | 18°43           | 2°20           | T 13 |
| F 14 | 19 25 38 | 21° 5'15         | 15° 8           | 13° 3         | 13°20        | 3°53           | 18°52          | 14°40  | 27°15          | 8°12            | 22°56 | 29°17  | 0°38          | 18°49           | 2°23           | F 14 |
| S 15 | 19 29 35 | 22° 2'28         | 27°33           | 13°13         | 14°33        | 4°26           | 19° 2          | 14°36  | 27°16          | 8°14            | 22°58 | 29°R17 | 0°35          | 18°56           | 2°26           | S 15 |
| S 16 | 19 33 31 | 22°59'43         | 9 <b>8</b> 42   | 13°19         | 15°46        | 5° 0           | 19°11          | 14°32  | 27°17          | 8°16            | 23° 0 | 29°15  | 0°32          | 19° 3           | 2°29           | S 16 |
| M17  | 19 37 28 | 23°56'58         | 21°42           | 13°R20        | 17° 0        | 5°34           | 19°21          | 14°28  | 27°18          | 8°17            | 23° 1 | 29°12  | 0°28          | 19° 9           | 2°33           | M17  |
| T 18 | 19 41 24 | 24°54'13         | 3 <b>Ⅱ</b> 36   | 13°16         | 18°13        | 6° 8           | 19°31          | 14°24  | 27°19          | 8°19            | 23° 3 | 29° 8  | 0°25          | 19°16           | 2°36           | T 18 |
| W19  | 19 45 21 | 25°51'29         | 15°27           | 13° 7         | 19°26        | 6°42           | 19°41          | 14°20  | 27°20          | 8°21            | 23° 5 | 29° 3  | 0°22          | 19°23           | 2°39           | W19  |
| T 20 | 19 49 18 | 26°48'46         | 27°19           | 12°54         | 20°39        | 7°16           | 19°51          | 14°16  | 27°20          | 8°23            | 23° 6 | 28°57  | 0°19          | 19°30           | 2°42           | T 20 |
| F 21 | 19 53 14 | 27°46'04         | 99915           | 12°35         | 21°52        | 7°51           | 20° 1          | 14°12  | 27°21          | 8°24            | 23° 8 | 28°51  | 0°16          | 19°36           | 2°45           | F 21 |
| S 22 | 19 57 11 | 28°43'22         | 21°16           | 12°12         | 23° 5        | 8°25           | 20°11          | 14° 8  | 27°22          | 8°26            | 23° 9 | 28°47  | 0°13          | 19°43           | 2°48           | S 22 |
| S 23 | 20 1 7   | 29°40'41         | 3 <b>Ω</b> 24   | 11°45         | 24°18        | 9° 0           | 20°21          | 14° 3  | 27°22          | 8°28            | 23°11 | 28°43  | 0° 9          | 19°50           | 2°51           | S 23 |
| M24  | 20 5 4   | 0 <b>Q</b> 38'00 | 15°40           | 11°14         | 25°30        | 9°34           | 20°31          | 13°59  | 27°23          | 8°30            | 23°13 | 28°41  | 0° 6          | 19°56           | 2°54           | M24  |
| T 25 | 20 9 0   | 1°35'20          | 28° 7           | 10°39         | 26°43        | 10° 9          | 20°42          | 13°55  | 27°23          | 8°32            | 23°14 | 28°D40 | 0° 3          | 20° 3           | 2°56           | T 25 |
| W26  | 20 12 57 | 2°32'40          | 10 <b>m</b> )46 | 10° 1         | 27°56        | 10°44          | 20°52          | 13°50  | 27°24          | 8°34            | 23°16 | 28°41  | 29≈59         | 20°10           | 2°59           | W26  |
| T 27 | 20 16 53 | 3°30'01          | 23°37           | 9°20          | 29° 9        | 11°20          | 21° 2          | 13°46  | 27°24          | 8°35            | 23°17 | 28°42  | 29°57         | 20°17           | 3° 2           | T 27 |
| F 28 | 20 20 50 | 4°27'22          | 6 <u>₽</u> 44   | 8°38          | 0 m 22       | 11°55          | 21°13          | 13°42  | 27°24          | 8°37            | 23°19 | 28°44  | 29°54         | 20°23           | 3° 4           | F 28 |
| S 29 | 20 24 47 | 5°24'44          | 20° 8           | 7°54          | 1°35         | 12°30          | 21°24          | 13°37  | 27°24          | 8°39            | 23°20 | 28°45  | 29°50         | 20°30           | 3° 7           | S 29 |
| S 30 | 20 28 43 | 6°22'07          | 3 <b>M</b> .49  | 7°10          | 2°48         | 13° 6          | 21°35          | 13°33  | 27°25          | 8°41            | 23°22 | 28°R45 | 29°47         | 20°37           | 3°10           | S 30 |
| M31  | 20 32 40 | 7 <b>Ω</b> 19'30 | 17 <b>M</b> 50  | 6 <b>Ω</b> 25 | 4 M 0        | 13 <b>≏</b> 42 | 21 Mp 45       | 13≈28  | 27 <b>Y</b> 25 | 8 <b>m</b> ) 43 | 23924 | 28≈45  | 29≈44         | 20 <b>Ⅱ</b> 43  | 3 <b>Ⅱ</b> 12  | M31  |

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| Day         | Sid.t                | 0                            | D                        | ğ              | Ф                       | ď              | 4                        | ħ              | )Å(            | #                     | В                 | ₽.             | v                                  | ţ              | , k                              | Day          |
|-------------|----------------------|------------------------------|--------------------------|----------------|-------------------------|----------------|--------------------------|----------------|----------------|-----------------------|-------------------|----------------|------------------------------------|----------------|----------------------------------|--------------|
| T 1         | 20 36 36             | 8 <b>Ω</b> 16'53             | 2 <b>,</b> ₹ 8           | 5°R42          | 5 <b>m</b> ) 13         | 14 <b>♀</b> 17 | 21 Mp 56                 | 13°R24         | 27 <b>Y</b> 25 | 8 <b>M</b> )45        | 23925             | 28°R44         | 29≈41                              | 20耳50          | 3耳15                             | T 1          |
| W 2         | 20 40 33             | 9°14'17                      | 16°42                    | 5 <b>Ω</b> 1   | 6°26                    | 14°53          | 22° 7                    | 13≈20          | 27°25          | 8°47                  | 23°27             | 28≈42          | 29°38                              | 20°57          | 3°17                             | W 2          |
| T 3         | 20 44 29             | 10°11'42                     | 1 <b>る</b> 26            | 4°23           | 7°39                    | 15°29          | 22°18                    | 13°15          | 27°R25         | 8°49                  | 23°28             | 28°40          | 29°34                              | 21° 4          | 3°19                             | T 3          |
| F 4         | 20 48 26             | 11° 9'08                     | 16°15                    | 3°48           | 8°51                    | 16° 6          | 22°29                    | 13°11          | 27°25          | 8°51                  | 23°30             | 28°37          | 29°31                              | 21°10          | 3°22                             | F 4          |
| S 5         | 20 52 22             | 12° 6'34                     | 1≈ 0                     | 3°17           | 10° 4                   | 16°42          | 22°41                    | 13° 6          | 27°25          | 8°53                  | 23°31             | 28°36          | 29°28                              | 21°17          | 3°24                             | S 5          |
| S 6         | 20 56 19             | 13° 4'01                     | 15°35                    | 2°51           | 11°17                   | 17°18          | 22°52                    | 13° 2          | 27°25          | 8°55                  | 23°33             | 28°35          | 29°25                              | 21°24          | 3°26                             | S 6          |
|             | 21 0 16              | 14° 1'30                     | 29°54                    | 2°30           | 12°29                   | 17°55          | 23° 3                    | 12°57          | 27°25          | 8°57                  | 23°35             | 28°D34         | 29°22                              | 21°30          | 3°28                             | M 7          |
| -           | 21 4 12              | 14°58'59                     | 13 <b>米</b> 51           | 2°15           | 13°42                   | 18°31          | 23°14                    | 12°53          | 27°24          | 8°59                  | 23°36             | 28°35          | 29°19                              | 21°37          | 3°30                             | T 8          |
|             | 21 8 9               | 15°56'29                     | 27°24                    | 2° 6           | 14°54                   | 19° 8          | 23°26                    | 12°48          | 27°24          | 9° 1                  | 23°38             | 28°35          | 29°15                              | 21°44          | 3°32                             | W 9          |
| -           | 21 12 5              | 16°54'01                     | 10 <b>Υ</b> 34           | 2°D 4          | 16° 7                   | 19°45          | 23°37                    | 12°44          | 27°24          | 9° 3                  | 23°39             | 28°37          | 29°12                              | 21°51          | 3°34                             | T 10         |
|             | 21 16 2              | 17°51'34                     | 23°21                    | 2° 9           | 17°19                   | 20°22          | 23°49                    | 12°39          | 27°23          | 9° 5                  | 23°41             | 28°37          | 29° 9                              | 21°57          | 3°36                             | F 11         |
| S 12        | 21 19 58             | 18°49'09                     | 5 <b>8</b> 48            | 2°21           | 18°32                   | 20°59          | 24° 1                    | 12°35          | 27°23          | 9° 8                  | 23°42             | 28°38          | 29° 6                              | 22° 4          | 3°38                             | S 12         |
| -           | 21 23 55             | 19°46'45                     | 18° 1                    | 2°39           | 19°44                   | 21°36          | 24°12                    | 12°30          | 27°23          | 9°10                  | 23°43             | 28°R38         | 29° 3                              | 22°11          | 3°40                             | S 13         |
|             | 21 27 51             | 20°44'23                     | 0 <b>I</b> 1             | 3° 5           | 20°57                   | 22°13          | 24°24                    | 12°26          | 27°22          | 9°12                  | 23°45             | 28°38          | 28°59                              | 22°17          | 3°42                             | M14          |
| -           | 21 31 48             | 21°42'02                     | 11°56                    | 3°38           | 22° 9                   | 22°51          | 24°36                    | 12°22          | 27°21          | 9°14                  | 23°46             | 28°38          | 28°56                              | 22°24          | 3°43                             | T 15         |
|             | 21 35 45             | 22°39'43                     | 23°48                    | 4°19           | 23°21                   | 23°28          | 24°48                    | 12°17          | 27°21          | 9°16                  | 23°48             | 28°37          | 28°53                              | 22°31          | 3°45                             | W16          |
|             | 21 39 41             | 23°37'25                     | 59941                    | 5° 6<br>6° 0   | 24°34                   | 24° 6          | 24°59                    | 12°13          | 27°20          | 9°18                  | 23°49             | 28°37          | 28°50                              | 22°38          | 3°47                             | T 17         |
|             | 21 43 38<br>21 47 34 | 24°35'08<br>25°32'54         | 17°41<br>29°49           | 7° 0           | 25°46<br>26°58          | 24°44<br>25°22 | 25°11<br>25°23           | 12° 9<br>12° 4 | 27°19<br>27°19 | 9°20<br>9°23          | 23°51<br>23°52    | 28°36<br>28°36 | 28°47<br>28°44                     | 22°44<br>22°51 | 3°48<br>3°49                     | F 18<br>S 19 |
|             |                      |                              |                          |                |                         |                |                          |                |                |                       |                   |                |                                    |                |                                  |              |
|             | 21 51 31             | 26°30'40                     | $12\Omega$ 7             | 8° 7           | 28°11                   | 25°59          | 25°35                    | 12° 0          | 27°18          | 9°25                  | 23°54             | 28°35          | 28°40                              | 22°58          | 3°51                             | S 20         |
|             | 21 55 27             | 27°28'28                     | 24°39                    | 9°20           | 29°23                   | 26°38          | 25°47                    | 11°56          | 27°17          | 9°27                  | 23°55             | 28°D35         | 28°37                              | 23° 4          | 3°52                             | M21          |
| T 22        | 21 59 24             | 28°26'18                     | 7 Mp 24                  | 10°39          | 0 <u><b>Ω</b></u> 35    | 27°16          | 26° 0                    | 11°51          | 27°16          | 9°29                  | 23°56             | 28°R35         | 28°34                              | 23°11          | 3°53                             | T 22         |
| W23<br>T 24 | 22 3 20<br>22 7 17   | 29°24'09<br>0 <b>m</b> 22'01 | 20°23<br>3 <u>0</u> 37   | 12° 3<br>13°33 | 1°47<br>2°59            | 27°54<br>28°32 | 26°12<br>26°24           | 11°47<br>11°43 | 27°15<br>27°14 | 9°31<br>9°34          | 23°58<br>23°59    | 28°35<br>28°35 | 28°31<br>28°28                     | 23°18<br>23°25 | 3°55<br>3°56                     | W23<br>T 24  |
| F 25        | 22 / 1/              | 1°19'54                      | 17° 4                    | 15° 7          | 4°11                    | 28 32<br>29°11 | 26°36                    | 11°39          | 27°13          | 9°36                  | 23 39<br>24° 0    | 28°35          | 28°25                              | 23°31          | 3°57                             | F 25         |
| S 26        | 22 11 14 22 15 10    | 2°17'49                      | 0ML43                    | 16°45          | 5°23                    | 29°49          | 26°49                    | 11°35          | 27°12          | 9°38                  | 24° 2             | 28°34          | 28°21                              | 23°38          | 3°58                             | S 26         |
|             |                      |                              |                          |                |                         |                |                          |                |                |                       |                   |                |                                    |                |                                  |              |
| S 27        | 22 19 7              | 3°15'45                      | 14°35                    | 18°27          | 6°35                    | 0M28           | 27° 1                    | 11°31          | 27°11          | 9°40                  | 24° 3             | 28°34          | 28°18                              | 23°45          | 3°59                             | S 27         |
| M28         | 22 23 3              | 4°13'43                      | 28°37                    | 20°12          | 7°47                    | 1° 7           | 27°13                    | 11°27          | 27°10<br>27° 9 | 9°42                  | 24° 4             | 28°D34         | 28°15                              | 23°51          | 4° 0<br>4° 0                     | M28          |
| -           | 22 27 0              | 5°11'42<br>6° 9'42           | 12 <b>∡</b> 748<br>27° 6 | 22° 0<br>23°51 | 8°59<br>10°11           | 1°46<br>2°25   | 27°26<br>27°38           | 11°23<br>11°19 | 27° 9          | 9°45<br>9°47          | 24° 6<br>24° 7    | 28°34<br>28°34 | 28°12<br>28° 9                     | 23°58<br>24° 5 | 4° 0<br>4° 1                     | T 29<br>W30  |
| T 31        | 22 30 56<br>22 34 53 | 7 m 7 43                     | 11 <b>중</b> 27           | $25\Omega 43$  | 10°11<br>11 <b>≏</b> 23 | 3M 4           | 27°38<br>27 <b>m</b> )51 | 11~19          | $27^{\circ}$ 6 | 9°47<br>9 <b>m</b> 49 | 249 8             | 28≈35<br>28≈35 | 28 <sup>∞</sup> 9<br>28 <b>∞</b> 5 | 24 <b>I</b> 11 | 4 <sup>1</sup> 1<br>4 <b>Ⅱ</b> 2 | T 31         |
| 1 11        | 44 34 33             | / III/ / 43                  | 1102/                    | 430643         | 11==23                  | JIIG 4         | 2/11 <b>/</b> 31         | 11~13          | 2/1 0          | 2 HJ 42               | ۵ <del>کت ۱</del> | 20~33          | 20~~ 3                             | 2 <b>41</b> 11 | <b>+Д</b> 2                      | 1 31         |

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| Day  | Sid.t    | 0                | D               | ğ               | Q              | ♂              | 4               | ħ      | )∤(            | ¥              | В      | P      | ß     | Ç              | Q<br>K         | Day  |
|------|----------|------------------|-----------------|-----------------|----------------|----------------|-----------------|--------|----------------|----------------|--------|--------|-------|----------------|----------------|------|
| F 1  | 22 38 49 | 8 Mp 5'46        | 25 <b>궁</b> 49  | 27 <b>Ω</b> 37  | 12 <b>♀</b> 35 | 3 <b>M</b> .43 | 28 <b>m</b> ) 3 | 11°R12 | 27°R 5         | 9 <b>m</b> 51  | 2495 9 | 28≈36  | 28≈ 2 | 24∏18          | 4 <b>I</b> I 3 | F 1  |
| S 2  | 22 42 46 | 9° 3'50          | 10≈ 8           | 29°32           | 13°47          | 4°22           | 28°16           | 11≈ 8  | 27 <b>°</b> 3  | 9°54           | 24°11  | 28°36  | 27°59 | 24°25          | 4° 3           | S 2  |
| S 3  | 22 46 43 | 10° 1'56         | 24°18           | 1 <b>m</b> ) 28 | 14°58          | 5° 2           | 28°28           | 11° 4  | 27° 2          | 9°56           | 24°12  | 28°R37 | 27°56 | 24°32          | 4° 4           | S 3  |
| M 4  | 22 50 39 | 11° 0'03         | 8 <b>) (</b> 17 | 3°25            | 16°10          | 5°41           | 28°41           | 11° 1  | 27° 1          | 9°58           | 24°13  | 28°37  | 27°53 | 24°38          | 4° 4           | M 4  |
| T 5  | 22 54 36 | 11°58'12         | 22° 0           | 5°21            | 17°22          | 6°21           | 28°54           | 10°57  | 26°59          | 10° 0          | 24°14  | 28°36  | 27°50 | 24°45          | 4° 4           | T 5  |
| W 6  | 22 58 32 | 12°56'22         | 5 <b>℃</b> 25   | 7°18            | 18°33          | 7° 0           | 29° 6           | 10°54  | 26°57          | 10° 2          | 24°15  | 28°34  | 27°46 | 24°52          | 4° 5           | W 6  |
| T 7  | 23 2 29  | 13°54'35         | 18°30           | 9°14            | 19°45          | 7°40           | 29°19           | 10°50  | 26°56          | 10° 5          | 24°16  | 28°32  | 27°43 | 24°58          | 4° 5           | T 7  |
| F 8  | 23 6 25  | 14°52'49         | 1816            | 11°10           | 20°56          | 8°20           | 29°32           | 10°47  | 26°54          | 10° 7          | 24°17  | 28°30  | 27°40 | 25° 5          | 4° 5           | F 8  |
| S 9  | 23 10 22 | 15°51'06         | 13°45           | 13° 5           | 22° 8          | 9° 0           | 29°44           | 10°44  | 26°53          | 10° 9          | 24°19  | 28°28  | 27°37 | 25°12          | 4° 5           | S 9  |
| S 10 | 23 14 18 | 16°49'24         | 25°58           | 15° 0           | 23°19          | 9°40           | 29°57           | 10°41  | 26°51          | 10°11          | 24°20  | 28°26  | 27°34 | 25°19          | 4°R 5          | S 10 |
| M11  | 23 18 15 | 17°47'45         | 8 <b>II</b> 0   | 16°53           | 24°31          | 10°20          | 0 <b>ჲ</b> 10   | 10°37  | 26°49          | 10°14          | 24°21  | 28°25  | 27°31 | 25°25          | 4° 5           | M11  |
| T 12 | 23 22 12 | 18°46'08         | 19°54           | 18°46           | 25°42          | 11° 0          | 0°23            | 10°34  | 26°48          | 10°16          | 24°22  | 28°D24 | 27°27 | 25°32          | 4° 5           | T 12 |
| W13  | 23 26 8  | 19°44'33         | 19546           | 20°38           | 26°53          | 11°41          | 0°36            | 10°31  | 26°46          | 10°18          | 24°23  | 28°25  | 27°24 | 25°39          | 4° 5           | W13  |
| T 14 | 23 30 5  | 20°43'00         | 13°41           | 22°29           | 28° 5          | 12°21          | 0°49            | 10°29  | 26°44          | 10°20          | 24°24  | 28°26  | 27°21 | 25°45          | 4° 5           | T 14 |
| F 15 | 23 34 1  | 21°41'29         | 25°42           | 24°19           | 29°16          | 13° 1          | 1° 1            | 10°26  | 26°42          | 10°22          | 24°25  | 28°28  | 27°18 | 25°52          | 4° 4           | F 15 |
| S 16 | 23 37 58 | 22°40'00         | $7\Omega$ 54    | 26° 8           | 0 <b>M</b> 27  | 13°42          | 1°14            | 10°23  | 26°40          | 10°25          | 24°26  | 28°29  | 27°15 | 25°59          | 4° 4           | S 16 |
| S 17 | 23 41 54 | 23°38'33         | 20°21           | 27°56           | 1°38           | 14°23          | 1°27            | 10°20  | 26°38          | 10°27          | 24°27  | 28°30  | 27°11 | 26° 5          | 4° 3           | S 17 |
| M18  | 23 45 51 | 24°37'08         | 3 <b>m</b> 6    | 29°43           | 2°49           | 15° 3          | 1°40            | 10°18  | 26°36          | 10°29          | 24°28  | 28°R31 | 27° 8 | 26°12          | 4° 3           | M18  |
| T 19 | 23 49 47 | 25°35'46         | 16° 9           | 1 <b>≏</b> 29   | 4° 0           | 15°44          | 1°53            | 10°15  | 26°34          | 10°31          | 24°28  | 28°30  | 27° 5 | 26°19          | 4° 2           | T 19 |
| W20  | 23 53 44 | 26°34'25         | 29°31           | 3°14            | 5°11           | 16°25          | 2° 6            | 10°13  | 26°32          | 10°33          | 24°29  | 28°27  | 27° 2 | 26°26          | 4° 2           | W20  |
| T 21 | 23 57 41 | 27°33'06         | 13 <b>≙</b> 11  | 4°58            | 6°22           | 17° 6          | 2°19            | 10°11  | 26°30          | 10°35          | 24°30  | 28°23  | 26°59 | 26°32          | 4° 1           | T 21 |
| F 22 | 0 1 37   | 28°31'49         | 27° 5           | 6°41            | 7°33           | 17°47          | 2°32            | 10° 8  | 26°28          | 10°38          | 24°31  | 28°19  | 26°56 | 26°39          | 4° 0           | F 22 |
| S 23 | 0 5 34   | 29°30'34         | 11 <b>M</b> L10 | 8°22            | 8°44           | 18°29          | 2°45            | 10° 6  | 26°26          | 10°40          | 24°32  | 28°14  | 26°52 | 26°46          | 3°59           | S 23 |
| S 24 | 0 9 30   | 0 <b>ჲ</b> 29'21 | 25°22           | 10° 3           | 9°55           | 19°10          | 2°58            | 10° 4  | 26°24          | 10°42          | 24°33  | 28°10  | 26°49 | 26°52          | 3°59           | S 24 |
| M25  | 0 13 27  | 1°28'10          | 9 <b>,₹</b> 37  | 11°43           | 11° 5          | 19°51          | 3°11            | 10° 2  | 26°22          | 10°44          | 24°33  | 28° 7  | 26°46 | 26°59          | 3°58           | M25  |
| T 26 | 0 17 23  | 2°27'00          | 23°51           | 13°22           | 12°16          | 20°33          | 3°24            | 10° 0  | 26°20          | 10°46          | 24°34  | 28° 5  | 26°43 | 27° 6          | 3°57           | T 26 |
| W27  | 0 21 20  | 3°25'52          | 8 <b>궁</b> 3    | 15° 0           | 13°26          | 21°14          | 3°37            | 9°59   | 26°18          | 10°48          | 24°35  | 28°D 5 | 26°40 | 27°13          | 3°56           | W27  |
| T 28 | 0 25 16  | 4°24'46          | 22° 9           | 16°37           | 14°37          | 21°56          | 3°50            | 9°57   | 26°15          | 10°50          | 24°36  | 28° 6  | 26°37 | 27°19          | 3°54           | T 28 |
| F 29 | 0 29 13  | 5°23'41          | 6 <b>≈</b> 9    | 18°14           | 15°47          | 22°38          | 4° 3            | 9°55   | 26°13          | 10°52          | 24°36  | 28° 7  | 26°33 | 27°26          | 3°53           | F 29 |
| S 30 | 0 33 10  | 6 <b>₽</b> 22'38 | 20≈ 1           | 19 <b>≙</b> 49  | 16 <b>M</b> 58 | 23 <b>M</b> 20 | 4 <b>≏</b> 16   | 9≈54   | 26 <b>Υ</b> 11 | 10 <b>m</b> 54 | 24937  | 28≈ 9  | 26≈30 | 27 <b>Ⅲ</b> 33 | 3 <b>Ⅱ</b> 52  | S 30 |

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| Day  | Sid.t   | 0                  | D                  | ğ               | φ              | ď              | 4              | ħ            | )∤(            | ¥               | Р      | ß             | ß     | Ç              | Š,            | Day  |
|------|---------|--------------------|--------------------|-----------------|----------------|----------------|----------------|--------------|----------------|-----------------|--------|---------------|-------|----------------|---------------|------|
| S 1  | 0 37 6  | 7 <b>₾</b> 21'37   | 3 <b>){</b> 44     | 21 <b>≏</b> 24  | 18 <b>M</b> 8  | 24M 1          | 4 <b>≏</b> 29  | 9°R52        | 26°R 9         | 10 <b>m</b> 56  | 24938  | 28°R 9        | 26≈27 | 27 <b>Ⅲ</b> 39 | 3°R51         | S 1  |
| M 2  | 0 41 3  | 8°20'37            | 17°17              | 22°57           | 19°18          | 24°43          | 4°42           | 9≈51         | 26 <b>Y</b> 6  | 10°58           | 24°38  | 28 <b>≈</b> 7 | 26°24 | 27°46          | 3 <b>Ⅱ</b> 49 | M 2  |
| T 3  | 0 44 59 | 9°19'40            | 0 <b>Υ</b> 38      | 24°30           | 20°28          | 25°25          | 4°55           | 9°50         | 26° 4          | 11° 0           | 24°39  | 28° 4         | 26°21 | 27°53          | 3°48          | T 3  |
| W 4  | 0 48 56 | 10°18'44           | 13°46              | 26° 2           | 21°39          | 26° 8          | 5° 8           | 9°49         | 26° 2          | 11° 2           | 24°39  | 27°58         | 26°17 | 27°59          | 3°46          | W 4  |
| T 5  | 0 52 52 | 11°17'51           | 26°40              | 27°33           | 22°49          | 26°50          | 5°21           | 9°48         | 25°59          | 11° 4           | 24°40  | 27°51         | 26°14 | 28° 6          | 3°45          | T 5  |
| F 6  | 0 56 49 | 12°17'00           | 9818               | 29° 4           | 23°58          | 27°32          | 5°34           | 9°47         | 25°57          | 11° 6           | 24°40  | 27°43         | 26°11 | 28°13          | 3°43          | F 6  |
| S 7  | 1 0 45  | 13°16'11           | 21°42              | 0 <b>M</b> .33  | 25° 8          | 28°14          | 5°46           | 9°46         | 25°55          | 11° 8           | 24°41  | 27°35         | 26° 8 | 28°20          | 3°41          | S 7  |
| S 8  | 1 4 42  | 14°15'24           | 3耳53               | 2° 2            | 26°18          | 28°57          | 5°59           | 9°45         | 25°52          | 11°10           | 24°41  | 27°27         | 26° 5 | 28°26          | 3°40          | S 8  |
| M 9  | 1 8 38  | 15°14'40           | 15°54              | 3°30            | 27°28          | 29°39          | 6°12           | 9°45         | 25°50          | 11°12           | 24°42  | 27°21         | 26° 2 | 28°33          | 3°38          | M 9  |
| T 10 | 1 12 35 | 16°13'57           | 27°47              | 4°57            | 28°37          | 0 <b>∡</b> 122 | 6°25           | 9°44         | 25°48          | 11°14           | 24°42  | 27°17         | 25°58 | 28°40          | 3°36          | T 10 |
| W11  | 1 16 32 | 17°13'17           | 9938               | 6°23            | 29°47          | 1° 5           | 6°38           | 9°44         | 25°45          | 11°16           | 24°43  | 27°15         | 25°55 | 28°46          | 3°34          | W11  |
| T 12 | 1 20 28 | 18°12'40           | 21°30              | 7°49            | 0 <b>₹</b> 56  | 1°48           | 6°51           | 9°43         | 25°43          | 11°18           | 24°43  | 27°D15        | 25°52 | 28°53          | 3°32          | T 12 |
| F 13 | 1 24 25 | 19°12'04           | 3 <b>\Omega</b> 30 | 9°13            | 2° 6           | 2°30           | 7° 4           | 9°43         | 25°40          | 11°20           | 24°43  | 27°16         | 25°49 | 29° 0          | 3°30          | F 13 |
| S 14 | 1 28 21 | 20°11'31           | 15°42              | 10°37           | 3°15           | 3°13           | 7°17           | 9°43         | 25°38          | 11°22           | 24°44  | 27°17         | 25°46 | 29° 6          | 3°28          | S 14 |
| S 15 | 1 32 18 | 21°11'01           | 28°12              | 11°59           | 4°24           | 3°56           | 7°29           | 9°D43        | 25°35          | 11°23           | 24°44  | 27°R17        | 25°42 | 29°13          | 3°26          | S 15 |
| M16  | 1 36 14 | 22°10'32           | 11 <b>m</b> y 3    | 13°21           | 5°33           | 4°39           | 7°42           | 9°43         | 25°33          | 11°25           | 24°44  | 27°16         | 25°39 | 29°20          | 3°23          | M16  |
| T 17 | 1 40 11 | 23°10'06           | 24°17              | 14°42           | 6°42           | 5°23           | 7°55           | 9°43         | 25°30          | 11°27           | 24°45  | 27°13         | 25°36 | 29°27          | 3°21          | T 17 |
| W18  | 1 44 7  | 24° 9'41           | 7 <b>≙</b> 57      | 16° 1           | 7°51           | 6° 6           | 8° 8           | 9°44         | 25°28          | 11°29           | 24°45  | 27° 7         | 25°33 | 29°33          | 3°19          | W18  |
| T 19 | 1 48 4  | 25° 9'19           | 21°59              | 17°19           | 9° 0           | 6°49           | 8°20           | 9°44         | 25°26          | 11°30           | 24°45  | 27° 0         | 25°30 | 29°40          | 3°17          | T 19 |
| F 20 | 1 52 1  | 26° 8'59           | 6M20               | 18°37           | 10° 9          | 7°33           | 8°33           | 9°44         | 25°23          | 11°32           | 24°45  | 26°50         | 25°27 | 29°47          | 3°14          | F 20 |
| S 21 | 1 55 57 | 27° 8'41           | 20°54              | 19°52           | 11°17          | 8°16           | 8°46           | 9°45         | 25°21          | 11°34           | 24°45  | 26°41         | 25°23 | 29°53          | 3°12          | S 21 |
| S 22 | 1 59 54 | 28° 8'25           | 5 <b>₹</b> 34      | 21° 7           | 12°26          | 9° 0           | 8°58           | 9°46         | 25°18          | 11°35           | 24°45  | 26°32         | 25°20 | 0න 0           | 3° 9          | S 22 |
| M23  | 2 3 50  | 29° 8'11           | 20°11              | 22°19           | 13°34          | 9°43           | 9°11           | 9°46         | 25°16          | 11°37           | 24°45  | 26°24         | 25°17 | 0° 7           | 3° 7          | M23  |
| T 24 | 2 7 47  | 0M 7'58            | 4 <b>정</b> 41      | 23°30           | 14°42          | 10°27          | 9°24           | 9°47         | 25°13          | 11°39           | 24°46  | 26°19         | 25°14 | 0°13           | 3° 4          | T 24 |
| W25  | 2 11 43 | 1° 7'48            | 18°58              | 24°40           | 15°50          | 11°11          | 9°36           | 9°48         | 25°11          | 11°40           | 24°46  | 26°17         | 25°11 | 0°20           | 3° 2          | W25  |
| T 26 | 2 15 40 | 2° 7'38            | 3≈ 1               | 25°47           | 16°58          | 11°54          | 9°49           | 9°49         | 25° 8          | 11°42           | 24°R46 | 26°D16        | 25° 8 | 0°27           | 2°59          | T 26 |
| F 27 | 2 19 36 | 3° 7'31<br>4° 7'25 | 16°50              | 26°52           | 18° 6          | 12°38          | 10° 1          | 9°51<br>9°52 | 25° 6          | 11°44<br>11°45  | 24°46  | 26°16         | 25° 4 | 0°34<br>0°40   | 2°56          | F 27 |
| S 28 | 2 23 33 |                    | 0 <b>∺</b> 24      | 27°54           | 19°14          | 13°22          | 10°14          |              | 25° 4          |                 | 24°46  | 26°R17        | 25° 1 |                | 2°53          | S 28 |
| S 29 | 2 27 30 | 5° 7'20            | 13°45              | 28°53           | 20°21          | 14° 6          | 10°26          | 9°53         | 25° 1          | 11°47           | 24°46  | 26°15         | 24°58 | 0°47           | 2°51          | S 29 |
| M30  | 2 31 26 | 6° 7'17            | 26°55              | 29°50           | 21°29          | 14°50          | 10°38          | 9°55         | 24°59          | 11°48           | 24°45  | 26°12         | 24°55 | 0°54           | 2°48          | M30  |
| T 31 | 2 35 23 | 7M 7'16            | 9 <b>Ƴ</b> 53      | 0 <b>,</b> 7⁴43 | 22 <b>×</b> 36 | 15 <b>₹</b> 35 | 10 <b>≏</b> 51 | 9≈56         | 24 <b>Y</b> 56 | 11 <b>m</b> )49 | 249545 | 26≈ 5         | 24≈52 | 199 0          | 2 <b>Ⅱ</b> 45 | T 31 |

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| Day  | Sid.t   | 0                 | D                | ğ              | φ              | ♂ <sup>™</sup> | 4              | ħ     | )∤(            | ¥              | В      | ß      | v     | Ç     | ę,           | Day  |
|------|---------|-------------------|------------------|----------------|----------------|----------------|----------------|-------|----------------|----------------|--------|--------|-------|-------|--------------|------|
| W 1  | 2 39 19 | 8 <b>M</b> 7'17   | 22 <b>Y</b> 41   | 1 <b>₹</b> 32  | 23 <b>~</b> 43 | 16 <b>√</b> 19 | 11 <b>♀</b> 3  | 9≈58  | 24°R54         | 11 <b>m</b> 51 | 24°R45 | 25°R56 | 24≈48 | 199 7 | 2°R42        | W 1  |
| T 2  | 2 43 16 | 9° 7'19           | 5 <b>8</b> 18    | 2°17           | 24°50          | 17° 3          | 11°15          | 10° 0 | 24 <b>Y</b> 52 | 11°52          | 249545 | 25≈44  | 24°45 | 1°14  | 2∏39         | T 2  |
| F 3  | 2 47 12 | 10° 7'24          | 17°44            | 2°57           | 25°57          | 17°48          | 11°27          | 10° 2 | 24°49          | 11°54          | 24°45  | 25°30  | 24°42 | 1°20  | 2°36         | F 3  |
| S 4  | 2 51 9  | 11° 7'30          | 29°59            | 3°32           | 27° 3          | 18°32          | 11°39          | 10° 4 | 24°47          | 11°55          | 24°45  | 25°17  | 24°39 | 1°27  | 2°33         | S 4  |
| S 5  | 2 55 5  | 12° 7'38          | 12 <b>I</b> I 4  | 4° 1           | 28°10          | 19°16          | 11°51          | 10° 6 | 24°45          | 11°56          | 24°44  | 25° 4  | 24°36 | 1°34  | 2°30         | S 5  |
| M 6  | 2 59 2  | 13° 7'48          | 24° 1            | 4°23           | 29°16          | 20° 1          | 12° 3          | 10° 8 | 24°42          | 11°58          | 24°44  | 24°53  | 24°33 | 1°40  | 2°27         | M 6  |
| T 7  | 3 2 59  | 14° 8'00          | 5953             | 4°38           | 0 <b>궁</b> 22  | 20°46          | 12°15          | 10°10 | 24°40          | 11°59          | 24°44  | 24°45  | 24°29 | 1°47  | 2°24         | T 7  |
| W 8  | 3 6 5 5 | 15° 8'15          | 17°41            | 4°R46          | 1°28           | 21°30          | 12°27          | 10°13 | 24°38          | 12° 0          | 24°44  | 24°39  | 24°26 | 1°54  | 2°21         | W 8  |
| T 9  | 3 10 52 | 16° 8'31          | 29°31            | 4°44           | 2°33           | 22°15          | 12°39          | 10°15 | 24°36          | 12° 1          | 24°43  | 24°36  | 24°23 | 2° 1  | 2°18         | T 9  |
| F 10 | 3 14 48 | 17° 8'49          | 11 <b>\O</b> 28  | 4°34           | 3°39           | 23° 0          | 12°51          | 10°18 | 24°33          | 12° 2          | 24°43  | 24°35  | 24°20 | 2° 7  | 2°15         | F 10 |
| S 11 | 3 18 45 | 18° 9'09          | 23°37            | 4°14           | 4°44           | 23°45          | 13° 3          | 10°21 | 24°31          | 12° 4          | 24°43  | 24°35  | 24°17 | 2°14  | 2°11         | S 11 |
| S 12 | 3 22 41 | 19° 9'31          | 6Mp 3            | 3°44           | 5°49           | 24°30          | 13°14          | 10°23 | 24°29          | 12° 5          | 24°42  | 24°35  | 24°14 | 2°21  | 2° 8         | S 12 |
| M13  | 3 26 38 | 20° 9'54          | 18°52            | 3° 4           | 6°54           | 25°15          | 13°26          | 10°26 | 24°27          | 12° 6          | 24°42  | 24°33  | 24°10 | 2°27  | 2° 5         | M13  |
| T 14 | 3 30 34 | 21°10'20          | 2 <b>₾</b> 8     | 2°14           | 7°58           | 26° 0          | 13°38          | 10°29 | 24°25          | 12° 7          | 24°41  | 24°29  | 24° 7 | 2°34  | 2° 2         | T 14 |
| W15  | 3 34 31 | 22°10'48          | 15°52            | 1°14           | 9° 2           | 26°45          | 13°49          | 10°32 | 24°23          | 12° 8          | 24°41  | 24°22  | 24° 4 | 2°41  | 1°59         | W15  |
| T 16 | 3 38 28 | 23°11'17          | 0 <b>M</b> 5     | 0° 6           | 10° 6          | 27°30          | 14° 1          | 10°35 | 24°21          | 12° 9          | 24°40  | 24°13  | 24° 1 | 2°47  | 1°55         | T 16 |
| F 17 | 3 42 24 | 24°11'48          | 14°43            | 28M52          | 11°10          | 28°15          | 14°12          | 10°39 | 24°19          | 12°10          | 24°40  | 24° 2  | 23°58 | 2°54  | 1°52         | F 17 |
| S 18 | 3 46 21 | 25°12'21          | 29°38            | 27°33          | 12°14          | 29° 1          | 14°23          | 10°42 | 24°17          | 12°11          | 24°39  | 23°49  | 23°54 | 3° 1  | 1°49         | S 18 |
| S 19 | 3 50 17 | 26°12'56          | 14 <b>×</b> 43   | 26°12          | 13°17          | 29°46          | 14°35          | 10°45 | 24°15          | 12°12          | 24°39  | 23°38  | 23°51 | 3° 8  | 1°45         | S 19 |
| M20  | 3 54 14 | 27°13'32          | 29°45            | 24°51          | 14°20          | 0 <b>궁</b> 32  | 14°46          | 10°49 | 24°13          | 12°13          | 24°38  | 23°29  | 23°48 | 3°14  | 1°42         | M20  |
| T 21 | 3 58 10 | 28°14'09          | 14 <b>る</b> 37   | 23°33          | 15°22          | 1°17           | 14°57          | 10°52 | 24°11          | 12°13          | 24°37  | 23°22  | 23°45 | 3°21  | 1°39         | T 21 |
| W22  | 4 2 7   | 29°14'47          | 29°12            | 22°22          | 16°24          | 2° 3           | 15° 8          | 10°56 | 24° 9          | 12°14          | 24°37  | 23°18  | 23°42 | 3°28  | 1°36         | W22  |
| T 23 | 4 6 4   | 0 <b>₮</b> 15'27  | 13 <b>≈</b> 25   | 21°18          | 17°26          | 2°48           | 15°19          | 11° 0 | 24° 7          | 12°15          | 24°36  | 23°16  | 23°39 | 3°34  | 1°32         | T 23 |
| F 24 | 4 10 0  | 1°16'07           | 27°16            | 20°23          | 18°28          | 3°34           | 15°30          | 11° 4 | 24° 5          | 12°16          | 24°36  | 23°16  | 23°35 | 3°41  | 1°29         | F 24 |
| S 25 | 4 13 57 | 2°16'49           | 10 <b>) (</b> 45 | 19°40          | 19°29          | 4°20           | 15°40          | 11° 8 | 24° 3          | 12°16          | 24°35  | 23°16  | 23°32 | 3°48  | 1°26         | S 25 |
| S 26 | 4 17 53 | 3°17'31           | 23°56            | 19° 8          | 20°30          | 5° 5           | 15°51          | 11°12 | 24° 2          | 12°17          | 24°34  | 23°15  | 23°29 | 3°54  | 1°22         | S 26 |
| M27  | 4 21 50 | 4°18'15           | 6 <b>Ƴ</b> 51    | 18°47          | 21°30          | 5°51           | 16° 2          | 11°16 | 24° 0          | 12°18          | 24°33  | 23°11  | 23°26 | 4° 1  | 1°19         | M27  |
| T 28 | 4 25 46 | 5°18'59           | 19°33            | 18°D38         | 22°30          | 6°37           | 16°12          | 11°20 | 23°58          | 12°18          | 24°33  | 23° 4  | 23°23 | 4° 8  | 1°16         | T 28 |
| W29  | 4 29 43 | 6°19'45           | 2 <b>8</b> 3     | 18°40          | 23°30          | <u>7°23</u>    | 16°22          | 11°24 | 23°57          | 12°19          | 24°32  | 22°54  | 23°20 | 4°14  | 1°12         | W29  |
| T 30 | 4 33 39 | 7 <b>₹</b> 120'32 | 14823            | 18 <b>M</b> 52 | 24 <b>궁</b> 29 | 8 <b>궁</b> 9   | 16 <b>≏</b> 33 | 11≈28 | 23 <b>Y</b> 55 | 12 <b>m</b> 19 | 24931  | 22≈42  | 23≈16 | 49521 | 1 <b>I</b> 9 | T 30 |

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| Day         | Sid.t              | 0                     | D                       | ğ               | φ               | ď              | 4              | ħ              | )Å(            | ¥              | Р              | n              | v              | ţ            | ę,             | Day         |
|-------------|--------------------|-----------------------|-------------------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|----------------|-------------|
| F 1         | 4 37 36            | 8 <b>∡</b> 121′20     | 26 <b>8</b> 36          | 19 <b>M</b> .14 | 25 <b>පි</b> 28 | 8 <b>궁</b> 55  | 16 <b>≏</b> 43 | 11 <b>≈</b> 33 | 23°R54         | 12 Mp 20       | 24°R30         | 22°R29         | 23≈13          | 49528        | 1°R 6          | F 1         |
| S 2         | 4 41 33            | 9°22'09               | 8 <b>Ⅱ</b> 40           | 19°44           | 26°26           | 9°41           | 16°53          | 11°37          | 23 <b>Y</b> 52 | 12°20          | 249529         | 22≈15          | 23°10          | 4°34         | 1 <b>II</b> 2  | S 2         |
| S 3         | 4 45 29            | 10°22'59              | 20°39                   | 20°22           | 27°24           | 10°27          | 17° 3          | 11°42          | 23°51          | 12°21          | 24°28          | 22° 1          | 23° 7          | 4°41         | 0°59           | S 3         |
| M 4<br>T 5  | 4 49 26<br>4 53 22 | 11°23'50<br>12°24'43  | 2 <b>©</b> 32<br>14°21  | 21° 6<br>21°57  | 28°21<br>29°18  | 11°13<br>11°59 | 17°13<br>17°23 | 11°47<br>11°51 | 23°49<br>23°48 | 12°21<br>12°22 | 24°28<br>24°27 | 21°50<br>21°41 | 23° 4<br>23° 0 | 4°48<br>4°55 | 0°56<br>0°53   | M 4<br>T 5  |
| W 6         | 4 53 22 4 57 19    | 12°24'43<br>13°25'37  | 26° 9                   | 21°57<br>22°53  | 29°18<br>0≈14   | 11°39<br>12°46 | 17°23          | 11°56          | 23°48<br>23°46 | 12°22          | 24°27<br>24°26 | 21°41<br>21°35 | 23° 0<br>22°57 | 5° 1         | 0°53           | W 6         |
| T 7         | 5 1 15             | 14°26'32              | 7 <b>Ω</b> 59           | 23°54           | 1°10            | 13°32          | 17°42          | 12° 1          | 23°45          | 12°22          | 24°25          | 21°32          | 22°54          | 5° 8         | 0°46           | T 7         |
| F 8         | 5 5 12             | 15°27'28              | 19°56                   | 24°58           | 2° 5            | 14°18          | 17°52          | 12° 6          | 23°44          | 12°22          | 24°24          | 21°D31         | 22°51          | 5°15         | 0°43           | F 8         |
| S 9         | 5 9 8              | 16°28'25              | 2M) 2                   | 26° 7           | 2°59            | 15° 5          | 18° 2          | 12°11          | 23°43          | 12°23          | 24°23          | 21°31          | 22°48          | 5°21         | 0°40           | S 9         |
| S 10        | 5 13 5             | 17°29'23              | 14°25                   | 27°18           | 3°53            | 15°51          | 18°11          | 12°16          | 23°41          | 12°23          | 24°22          | 21°R32         | 22°45          | 5°28         | 0°37           | S 10        |
| M11<br>T 12 | 5 17 2<br>5 20 58  | 18°30'23<br>19°31'23  | 27° 8<br>10 <b>≙</b> 17 | 28°32<br>29°48  | 4°46<br>5°38    | 16°37<br>17°24 | 18°20<br>18°29 | 12°21<br>12°26 | 23°40<br>23°39 | 12°23<br>12°23 | 24°21<br>24°20 | 21°32<br>21°29 | 22°41<br>22°38 | 5°35<br>5°41 | 0°33<br>0°30   | M11<br>T 12 |
| W13         | 5 20 58 5 24 55    | 20°32'25              | 23°55                   | 1×7 6           | 6°30            | 17°24<br>18°10 | 18°29<br>18°38 | 12°26          | 23°38          | 12°23          | 24°20<br>24°19 | 21°29<br>21°25 | 22°35          | 5°48         | 0°30<br>0°27   | W13         |
| T 14        | 5 28 51            | 21°33'28              | 8M 3                    | 2°26            | 7°21            | 18°57          | 18°47          | 12°37          | 23°37          | 12°23          | 24°18          | 21°18          | 22°32          | 5°55         | 0°24           | T 14        |
| F 15        | 5 32 48            | 22°34'32              | 22°40                   | 3°48            | 8°11            | 19°44          | 18°56          | 12°42          | 23°36          | 12°R23         | 24°17          | 21°10          | 22°29          | 6° 1         | 0°21           | F 15        |
| S 16        | 5 36 44            | 23°35'36              | 7 <b>∡</b> 740          | 5°10            | 9° 0            | 20°30          | 19° 5          | 12°48          | 23°35          | 12°23          | 24°16          | 21° 0          | 22°26          | 6° 8         | 0°18           | S 16        |
| S 17        | 5 40 41            | 24°36'42              | 22°54                   | 6°34            | 9°49            | 21°17          | 19°13          | 12°53          | 23°35          | 12°23          | 24°15          | 20°51          | 22°22          | 6°15         | 0°15           | S 17        |
| M18<br>T 19 | 5 44 37<br>5 48 34 | 25°37'48<br>26°38'55  | 8 <b>전</b> 12<br>23°22  | 7°59<br>9°25    | 10°36<br>11°23  | 22° 4<br>22°50 | 19°22<br>19°30 | 12°59<br>13° 5 | 23°34<br>23°33 | 12°23<br>12°23 | 24°13<br>24°12 | 20°44<br>20°38 | 22°19<br>22°16 | 6°22<br>6°28 | 0°12<br>0° 9   | M18<br>T 19 |
| W20         | 5 52 31            | 20°38°33°<br>27°40'02 | 23°22<br>8 <b>≈</b> 16  | 10°51           | 11 23<br>12° 9  | 22°37          | 19°38          | 13°10          | 23°32          | 12°23          | 24°11          | 20°36          | 22°13          | 6°35         | 0° 6           | W20         |
| T 21        | 5 56 27            | 28°41'09              | 22°46                   | 12°18           | 12°54           | 24°24          | 19°46          | 13°16          | 23°32          | 12°23          | 24°10          | 20°D35         | 22°10          | 6°42         | 0° 4           | T 21        |
| F 22        | 6 0 24             | 29°42'17              | 6 <b>¥</b> 50           | 13°46           | 13°38           | 25°11          | 19°54          | 13°22          | 23°31          | 12°22          | 24° 9          | 20°36          | 22° 6          | 6°48         | 0° 1           | F 22        |
| S 23        | 6 4 20             | 0 <b>る</b> 43'24      | 20°27                   | 15°15           | 14°20           | 25°58          | 20° 2          | 13°28          | 23°30          | 12°22          | 24° 8          | 20°37          | 22° 3          | 6°55         | 29 <b>8</b> 58 | S 23        |
| S 24        | 6 8 17             | 1°44'32               | 3 <b>Υ</b> 41           | 16°43           | 15° 2           | 26°45          | 20°10          | 13°34          | 23°30          | 12°22          | 24° 7          | 20°R37         | 22° 0          | 7° 2         | 29°55          | S 24        |
| M25<br>T 26 | 6 12 13<br>6 16 10 | 2°45'40<br>3°46'48    | 16°33<br>29° 7          | 18°13<br>19°42  | 15°42<br>16°21  | 27°32<br>28°19 | 20°17<br>20°25 | 13°40<br>13°46 | 23°30<br>23°29 | 12°22<br>12°21 | 24° 5<br>24° 4 | 20°36<br>20°33 | 21°57<br>21°54 | 7° 8<br>7°15 | 29°53<br>29°50 | M25<br>T 26 |
| W27         | 6 20 6             | 4°47'55               | 11827                   | 21°12           | 16°59           | 29° 6          | 20°32          | 13°52          | 23°29          | 12°21          | 24° 3          | 20°28          | 21°51          | 7°22         | 29°48          | W27         |
| T 28        | 6 24 3             | 5°49'03               | 23°37                   | 22°43           | 17°36           | 29°53          | 20°39          | 13°58          | 23°29          | 12°20          | 24° 2          | 20°20          | 21°47          | 7°28         | 29°45          | T 28        |
| F 29        | 6 28 0             | 6°50'11               | 5 <b>Ⅱ</b> 39           | 24°14           | 18°11           | 0≈40           | 20°46          | 14° 4          | 23°28          | 12°20          | 24° 0          | 20°12          | 21°44          | 7°35         | 29°43          | F 29        |
| S 30        | 6 31 56            | 7°51'20               | 17°35                   | 25°45           | 18°45           | 1°27           | 20°53          | 14°11          | 23°28          | 12°19          | 23°59          | 20° 3          | 21°41          | 7°42         | 29°40          | S 30        |
| S 31        | 6 35 53            | 8 <b>궁</b> 52'28      | 29∏27                   | 27 <b>₹</b> 16  | 19 <b>≈</b> 17  | 2≈14           | 20 <b>≏</b> 59 | 14≈17          | 23 <b>Y</b> 28 | 12 <b>m</b> 19 | 239558         | 19 <b>≈</b> 55 | 21≈38          | 79548        | 29 <b>8</b> 38 | S 31        |

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| Day  | Sid.t   | 0                | D               | ğ               | Q      | ♂     | 4             | ħ              | )∤(            | ¥               | Р      | ß              | v     | ţ      | ę<br>k         | Day  |
|------|---------|------------------|-----------------|-----------------|--------|-------|---------------|----------------|----------------|-----------------|--------|----------------|-------|--------|----------------|------|
| M 1  | 6 39 49 | 9 <b>ට</b> 53'36 | 119917          | 28 <b>∡</b> 148 | 19≈47  | 3≈ 1  | 21 <b>♀</b> 6 | 14≈23          | 23°R28         | 12°R18          | 23°R57 | 19°R48         | 21≈35 | 7955   | 29°R35         | M 1  |
| T 2  | 6 43 46 | 10°54'44         | 23° 7           | 0 <b>ට</b> 21   | 20°16  | 3°48  | 21°12         | 14°30          | 23°D28         | 12 <b>m</b> )18 | 23955  | 19 <b>≈</b> 43 | 21°32 | 8° 2   | 29 <b>8</b> 33 | T 2  |
| W 3  | 6 47 42 | 11°55'53         | 4 <b>Ω</b> 59   | 1°53            | 20°44  | 4°35  | 21°19         | 14°36          | 23 <b>Y</b> 28 | 12°17           | 23°54  | 19°40          | 21°28 | 8° 8   | 29°31          | W 3  |
| T 4  | 6 51 39 | 12°57'01         | 16°54           | 3°26            | 21° 9  | 5°23  | 21°25         | 14°43          | 23°28          | 12°17           | 23°53  | 19°D38         | 21°25 | 8°15   | 29°29          | T 4  |
| F 5  | 6 55 36 | 13°58'10         | 28°55           | 4°59            | 21°33  | 6°10  | 21°31         | 14°49          | 23°28          | 12°16           | 23°52  | 19°39          | 21°22 | 8°22   | 29°27          | F 5  |
| S 6  | 6 59 32 | 14°59'18         | 11 <b>m</b> ) 6 | 6°33            | 21°55  | 6°57  | 21°36         | 14°56          | 23°28          | 12°15           | 23°50  | 19°40          | 21°19 | 8°29   | 29°25          | S 6  |
| S 7  | 7 3 29  | 16° 0'27         | 23°31           | 8° 7            | 22°15  | 7°44  | 21°42         | 15° 2          | 23°28          | 12°14           | 23°49  | 19°42          | 21°16 | 8°35   | 29°23          | S 7  |
| M 8  | 7 7 25  | 17° 1'35         | 6 <b>≏</b> 13   | 9°42            | 22°33  | 8°32  | 21°48         | 15° 9          | 23°29          | 12°14           | 23°48  | 19°44          | 21°12 | 8°42   | 29°21          | M 8  |
| T 9  | 7 11 22 | 18° 2'44         | 19°16           | 11°16           | 22°49  | 9°19  | 21°53         | 15°15          | 23°29          | 12°13           | 23°46  | 19°R44         | 21° 9 | 8°49   | 29°19          | T 9  |
| W10  | 7 15 18 | 19° 3'53         | 2 <b>M</b> .45  | 12°52           | 23° 3  | 10° 6 | 21°58         | 15°22          | 23°29          | 12°12           | 23°45  | 19°43          | 21° 6 | 8°55   | 29°17          | W10  |
| T 11 | 7 19 15 | 20° 5'02         | 16°40           | 14°27           | 23°14  | 10°53 | 22° 3         | 15°29          | 23°30          | 12°11           | 23°44  | 19°41          | 21° 3 | 9° 2   | 29°15          | T 11 |
| F 12 | 7 23 11 | 21° 6'11         | 1 <b>才</b> 2    | 16° 4           | 23°24  | 11°41 | 22° 8         | 15°36          | 23°30          | 12°10           | 23°43  | 19°38          | 21° 0 | 9° 9   | 29°13          | F 12 |
| S 13 | 7 27 8  | 22° 7'20         | 15°48           | 17°40           | 23°31  | 12°28 | 22°13         | 15°43          | 23°31          | 12° 9           | 23°41  | 19°34          | 20°57 | 9°15   | 29°12          | S 13 |
| S 14 | 7 31 5  | 23° 8'29         | 0 <b>궁</b> 52   | 19°17           | 23°36  | 13°16 | 22°17         | 15°49          | 23°31          | 12° 8           | 23°40  | 19°30          | 20°53 | 9°22   | 29°10          | S 14 |
| M15  | 7 35 1  | 24° 9'37         | 16° 6           | 20°55           | 23°R38 | 14° 3 | 22°21         | 15°56          | 23°32          | 12° 7           | 23°39  | 19°26          | 20°50 | 9°29   | 29° 9          | M15  |
| T 16 | 7 38 58 | 25°10'46         | 1≈18            | 22°33           | 23°38  | 14°50 | 22°26         | 16° 3          | 23°33          | 12° 6           | 23°37  | 19°24          | 20°47 | 9°35   | 29° 7          | T 16 |
| W17  | 7 42 54 | 26°11'53         | 16°20           | 24°12           | 23°36  | 15°38 | 22°30         | 16°10          | 23°34          | 12° 5           | 23°36  | 19°D23         | 20°44 | 9°42   | 29° 6          | W17  |
| T 18 | 7 46 51 | 27°13'00         | 1 <b>∺</b> 2    | 25°51           | 23°31  | 16°25 | 22°33         | 16°17          | 23°34          | 12° 4           | 23°35  | 19°24          | 20°41 | 9°49   | 29° 4          | T 18 |
| F 19 | 7 50 47 | 28°14'06         | 15°20           | 27°31           | 23°23  | 17°13 | 22°37         | 16°24          | 23°35          | 12° 3           | 23°33  | 19°25          | 20°38 | 9°55   | 29° 3          | F 19 |
| S 20 | 7 54 44 | 29°15'11         | 29°10           | 29°11           | 23°13  | 18° 0 | 22°41         | 16°31          | 23°36          | 12° 2           | 23°32  | 19°26          | 20°34 | 10° 2  | 29° 2          | S 20 |
| S 21 | 7 58 40 | 0≈16'15          | 12 <b>Y</b> 34  | 0≈52            | 23° 1  | 18°47 | 22°44         | 16°38          | 23°37          | 12° 1           | 23°31  | 19°28          | 20°31 | 10° 9  | 29° 1          | S 21 |
| M22  | 8 2 37  | 1°17'18          | 25°32           | 2°33            | 22°45  | 19°35 | 22°47         | 16°45          | 23°38          | 12° 0           | 23°30  | 19°R28         | 20°28 | 10°15  | 29° 0          | M22  |
| T 23 | 8 6 34  | 2°18'20          | 888             | 4°15            | 22°28  | 20°22 | 22°50         | 16°52          | 23°39          | 11°59           | 23°28  | 19°28          | 20°25 | 10°22  | 28°59          | T 23 |
| W24  | 8 10 30 | 3°19'22          | 20°27           | 5°57            | 22° 8  | 21°10 | 22°53         | 16°59          | 23°40          | 11°58           | 23°27  | 19°27          | 20°22 | 10°29  | 28°58          | W24  |
| T 25 | 8 14 27 | 4°20'22          | 2 <b>川</b> 33   | 7°40            | 21°46  | 21°57 | 22°55         | 17° 6          | 23°41          | 11°56           | 23°26  | 19°26          | 20°18 | 10°35  | 28°57          | T 25 |
| F 26 | 8 18 23 | 5°21'21          | 14°30           | 9°24            | 21°21  | 22°45 | 22°58         | 17°13          | 23°43          | 11°55           | 23°24  | 19°24          | 20°15 | 10°42  | 28°56          | F 26 |
| S 27 | 8 22 20 | 6°22'19          | 26°21           | 11° 8           | 20°54  | 23°32 | 23° 0         | 17°20          | 23°44          | 11°54           | 23°23  | 19°22          | 20°12 | 10°49  | 28°55          | S 27 |
| S 28 | 8 26 16 | 7°23'16          | 89911           | 12°53           | 20°26  | 24°20 | 23° 2         | 17°28          | 23°45          | 11°52           | 23°22  | 19°20          | 20° 9 | 10°55  | 28°54          | S 28 |
| M29  | 8 30 13 | 8°24'12          | 20° 0           | 14°38           | 19°55  | 25° 7 | 23° 4         | 17°35          | 23°47          | 11°51           | 23°21  | 19°18          | 20° 6 | 11° 2  | 28°54          | M29  |
| T 30 | 8 34 9  | 9°25'07          | 1 <b>Ω</b> 53   | 16°23           | 19°23  | 25°55 | 23° 5         | 17°42          | 23°48          | 11°50           | 23°19  | 19°17          | 20° 3 | 11° 9  | 28°53          | T 30 |
| W31  | 8 38 6  | 10≈26′01         | 13 <b>N</b> 51  | 18 <b>≈</b> 9   | 18≈50  | 26≈42 | 23 <b>₾</b> 7 | 17 <b>≈</b> 49 | 23 <b>Y</b> 49 | 11 <b>M</b> )48 | 23918  | 19°D17         | 19≈59 | 119916 | 28 <b>8</b> 53 | W31  |

Delta T = 24.24 sec

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| Day  | Sid.t    | 0                  | 7)              | φ              | φ              | o <sup>7</sup>   | 4              | ħ     | ¥              | ¥               | 2      | F              | Ω              | ţ      | Š              | Day  |
|------|----------|--------------------|-----------------|----------------|----------------|------------------|----------------|-------|----------------|-----------------|--------|----------------|----------------|--------|----------------|------|
| T 1  | 8 42 3   | 11≈26'54           | 25 <b>Ω</b> 56  | 19≈55          | 18°R15         | 27≈29            | 23 <u>₽</u> 8  | 17≈56 | 23 <b>Y</b> 51 | 11°R47          | 23°R17 | 19 <b>≈</b> 17 | 19≈56          | 119522 | 28°R52         | T 1  |
| F 2  | 8 45 59  | 12°27'46           | 8 <b>m</b> 10   | 21°41          | 17 <b>≈</b> 39 | 28°17            | 23° 9          | 18° 4 | 23°52          | 11 <b>M</b> 46  | 239516 | 19°17          | 19°53          | 11°29  | 28 <b>8</b> 52 | F 2  |
| S 3  | 8 49 56  | 13°28'36           | 20°34           | 23°27          | 17° 3          | 29° 4            | 23°10          | 18°11 | 23°54          | 11°44           | 23°14  | 19°18          | 19°50          | 11°36  | 28°52          | S 3  |
| S 4  | 8 53 52  | 14°29'26           | 3 <b>₽</b> 11   | 25°13          | 16°25          | 29°52            | 23°11          | 18°18 | 23°56          | 11°43           | 23°13  | 19°18          | 19°47          | 11°42  | 28°52          | S 4  |
| M 5  | 8 57 49  | 15°30'15           | 16° 2           | 26°59          | 15°48          | 0 <b>∺</b> 39    | 23°11          | 18°25 | 23°57          | 11°41           | 23°12  | 19°19          | 19°44          | 11°49  | 28°52          | M 5  |
| T 6  | 9 1 45   | 16°31'03           | 29° 9           | 28°44          | 15°11          | 1°26             | 23°12          | 18°32 | 23°59          | 11°40           | 23°11  | 19°19          | 19°40          | 11°56  | 28°D51         | T 6  |
| W 7  | 9 5 42   | 17°31'50           | 12 <b>M</b> 36  | 0 <b>∺</b> 29  | 14°34          | 2°14             | 23°R12         | 18°40 | 24° 1          | 11°38           | 23°10  | 19°R19         | 19°37          | 12° 2  | 28°51          | W 7  |
| T 8  | 9 9 38   | 18°32'37           | 26°22           | 2°12           | 13°58          | 3° 1             | 23°12          | 18°47 | 24° 3          | 11°37           | 23° 8  | 19°19          | 19°34          | 12° 9  | 28°52          | T 8  |
| F 9  | 9 13 35  | 19°33'22           | 10 <b>×</b> 28  | 3°54           | 13°22          | 3°49             | 23°11          | 18°54 | 24° 4          | 11°35           | 23° 7  | 19°D19         | 19°31          | 12°16  | 28°52          | F 9  |
| S 10 | 9 17 32  | 20°34'06           | 24°54           | 5°34           | 12°47          | 4°36             | 23°11          | 19° 1 | 24° 6          | 11°34           | 23° 6  | 19°19          | 19°28          | 12°22  | 28°52          | S 10 |
| S 11 | 9 21 28  | 21°34'50           | 9 <b>ට</b> 35   | 7°12           | 12°14          | 5°23             | 23°10          | 19° 8 | 24° 8          | 11°32           | 23° 5  | 19°19          | 19°24          | 12°29  | 28°52          | S 11 |
| M12  | 9 25 25  | 22°35'32           | 24°26           | 8°47           | 11°42          | 6°11             | 23°10          | 19°16 | 24°10          | 11°31           | 23° 4  | 19°20          | 19°21          | 12°36  | 28°53          | M12  |
| T 13 | 9 29 21  | 23°36'13           | 9≈21            | 10°18          | 11°12          | 6°58             | 23° 9          | 19°23 | 24°12          | 11°29           | 23° 3  | 19°20          | 19°18          | 12°42  | 28°53          | T 13 |
| W14  | 9 33 18  | 24°36'52           | 24°12           | 11°46          | 10°43          | 7°46             | 23° 7          | 19°30 | 24°14          | 11°28           | 23° 2  | 19°R20         | 19°15          | 12°49  | 28°54          | W14  |
| T 15 | 9 37 14  | 25°37'30           | 8 <b>)</b> 51   | 13° 9          | 10°17          | 8°33             | 23° 6          | 19°37 | 24°16          | 11°26           | 23° 1  | 19°20          | 19°12          | 12°56  | 28°54          | T 15 |
| F 16 | 9 41 11  | 26°38'07           | 23°11           | 14°27          | 9°52           | 9°20             | 23° 4          | 19°45 | 24°19          | 11°25           | 23° 0  | 19°19          | 19° 9          | 13° 2  | 28°55          | F 16 |
| S 17 | 9 45 7   | 27°38'42           | 7 <b>℃</b> 7    | 15°39          | 9°30           | 10° 7            | 23° 3          | 19°52 | 24°21          | 11°23           | 22°58  | 19°18          | 19° 5          | 13° 9  | 28°55          | S 17 |
| S 18 | 9 49 4   | 28°39'15           | 20°39           | 16°45          | 9°10           | 10°55            | 23° 1          | 19°59 | 24°23          | 11°21           | 22°57  | 19°17          | 19° 2          | 13°16  | 28°56          | S 18 |
| M19  | 9 53 1   | 29°39'46           | 3 <b>8</b> 45   | 17°43          | 8°52           | 11°42            | 22°59          | 20° 6 | 24°25          | 11°20           | 22°56  | 19°16          | 18°59          | 13°22  | 28°57          | M19  |
| T 20 | 9 56 57  | 0 <b>) (</b> 40′15 | 16°28           | 18°33          | 8°37           | 12°29            | 22°56          | 20°13 | 24°28          | 11°18           | 22°55  | 19°15          | 18°56          | 13°29  | 28°58          | T 20 |
| W21  | 10 0 54  | 1°40'43            | 28°51           | 19°15          | 8°24           | 13°16            | 22°54          | 20°20 | 24°30          | 11°16           | 22°54  | 19°D14         | 18°53          | 13°36  | 28°59          | W21  |
| T 22 | 10 4 50  | 2°41'09            | 10耳58           | 19°47          | 8°13           | 14° 4            | 22°51          | 20°27 | 24°32          | 11°15           | 22°53  | 19°14          | 18°50          | 13°42  | 29° 0          | T 22 |
| F 23 | 10 8 47  | 3°41'33            | 22°54           | 20°10          | 8° 5           | 14°51            | 22°48          | 20°35 | 24°35          | 11°13           | 22°53  | 19°15          | 18°46          | 13°49  | 29° 1          | F 23 |
| S 24 | 10 12 43 | 4°41'55            | 49544           | 20°24          | 8° 0           | 15°38            | 22°45          | 20°42 | 24°37          | 11°11           | 22°52  | 19°16          | 18°43          | 13°56  | 29° 2          | S 24 |
| S 25 | 10 16 40 | 5°42'15            | 16°33           | 20°R27         | 7°57           | 16°25            | 22°42          | 20°49 | 24°40          | 11°10           | 22°51  | 19°18          | 18°40          | 14° 2  | 29° 4          | S 25 |
| M26  | 10 20 36 | 6°42'34            | 28°24           | 20°20          | 7°D56          | 17°12            | 22°39          | 20°56 | 24°42          | 11°8            | 22°50  | 19°19          | 18°37          | 14° 9  | 29° 5          | M26  |
| T 27 | 10 24 33 | 7°42'50            | 10 <b>Ω</b> 21  | 20° 4          | 7°58           | 17°59            | 22°35          | 21° 3 | 24°45          | 11° 6           | 22°49  | 19°20          | 18°34          | 14°16  | 29° 6          | T 27 |
| W28  | 10 28 30 | 8 <b>):</b> 43'04  | 22 <b>\O</b> 28 | 19 <b>米</b> 39 | 8≈ 2           | 18 <b>) (</b> 46 | 22 <b>₾</b> 31 | 21≈10 | 24 <b>Ƴ</b> 47 | 11 <b>m</b> ) 5 | 229548 | 19°R21         | 18 <b>≈</b> 30 | 149522 | 29 <b>8</b> 8  | W28  |

MARCH 1934 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ                | Ŷ     | ð              | 4                     | ħ     | )∤(            | ¥               | Р      | ß              | ß              | ţ      | , o            | Day  |
|------|----------|------------------|-----------------|------------------|-------|----------------|-----------------------|-------|----------------|-----------------|--------|----------------|----------------|--------|----------------|------|
| T 1  | 10 32 26 | 9 <b>)</b> 43'17 | 4 Mp 45         | 19°R 5           | 8≈ 9  | 19 <b>∺</b> 33 | 22°R27                | 21≈17 | 24 <b>Y</b> 50 | 11°R 3          | 22°R47 | 19°R20         | 18 <b>≈</b> 27 | 149529 | 29 <b>8</b> 9  | T 1  |
| F 2  | 10 36 23 | 10°43'28         | 17°15           | 18 <b>) (</b> 24 | 8°18  | 20°20          | 22 <u><b>0</b></u> 23 | 21°24 | 24°53          | 11 <b>m</b> y 1 | 229546 | 19 <b>≈</b> 18 | 18°24          | 14°36  | 29°11          | F 2  |
| S 3  | 10 40 19 | 11°43'37         | 29°59           | 17°36            | 8°29  | 21° 7          | 22°19                 | 21°31 | 24°55          | 11° 0           | 22°46  | 19°15          | 18°21          | 14°42  | 29°13          | S 3  |
| S 4  | 10 44 16 | 12°43'44         | 12 <b>≏</b> 56  | 16°43            | 8°42  | 21°54          | 22°15                 | 21°38 | 24°58          | 10°58           | 22°45  | 19°11          | 18°18          | 14°49  | 29°14          | S 4  |
| M 5  | 10 48 12 | 13°43'49         | 26° 7           | 15°45            | 8°57  | 22°41          | 22°10                 | 21°45 | 25° 1          | 10°56           | 22°44  | 19°8           | 18°15          | 14°56  | 29°16          | M 5  |
| T 6  | 10 52 9  | 14°43'53         | 9 <b>M</b> .31  | 14°45            | 9°14  | 23°28          | 22° 5                 | 21°51 | 25° 4          | 10°55           | 22°43  | 19° 4          | 18°11          | 15° 2  | 29°18          | T 6  |
| W 7  | 10 56 5  | 15°43'56         | 23° 8           | 13°44            | 9°34  | 24°15          | 22° 1                 | 21°58 | 25° 6          | 10°53           | 22°43  | 19° 1          | 18° 8          | 15° 9  | 29°20          | W 7  |
| T 8  | 11 0 2   | 16°43'57         | 6 <b>₹</b> 57   | 12°43            | 9°55  | 25° 2          | 21°55                 | 22° 5 | 25° 9          | 10°51           | 22°42  | 19° 0          | 18° 5          | 15°16  | 29°22          | T 8  |
| F 9  | 11 3 59  | 17°43'56         | 20°57           | 11°44            | 10°18 | 25°49          | 21°50                 | 22°12 | 25°12          | 10°50           | 22°41  | 18°D59         | 18° 2          | 15°22  | 29°24          | F 9  |
| S 10 | 11 7 55  | 18°43'54         | 5ਰ 7            | 10°48            | 10°42 | 26°35          | 21°45                 | 22°19 | 25°15          | 10°48           | 22°41  | 19° 0          | 17°59          | 15°29  | 29°26          | S 10 |
| S 11 | 11 11 52 | 19°43'50         | 19°26           | 9°56             | 11° 9 | 27°22          | 21°40                 | 22°25 | 25°18          | 10°46           | 22°40  | 19° 2          | 17°55          | 15°36  | 29°28          | S 11 |
| M12  | 11 15 48 | 20°43'45         | 3≈51            | 9° 8             | 11°37 | 28° 9          | 21°34                 | 22°32 | 25°21          | 10°45           | 22°39  | 19° 3          | 17°52          | 15°42  | 29°30          | M12  |
| T 13 | 11 19 45 | 21°43'37         | 18°19           | 8°25             | 12° 7 | 28°56          | 21°28                 | 22°39 | 25°24          | 10°43           | 22°39  | 19°R 4         | 17°49          | 15°49  | 29°33          | T 13 |
| W14  | 11 23 41 | 22°43'28         | 2 <b>) (</b> 45 | 7°49             | 12°38 | 29°42          | 21°22                 | 22°45 | 25°27          | 10°42           | 22°38  | 19° 3          | 17°46          | 15°56  | 29°35          | W14  |
| T 15 | 11 27 38 | 23°43'17         | 17° 4           | 7°18             | 13°10 | 0 <b>Υ</b> 29  | 21°16                 | 22°52 | 25°30          | 10°40           | 22°38  | 19° 0          | 17°43          | 16° 2  | 29°37          | T 15 |
| F 16 | 11 31 34 | 24°43'04         | 1 <b>Y</b> 10   | 6°54             | 13°44 | 1°15           | 21°10                 | 22°58 | 25°33          | 10°38           | 22°37  | 18°56          | 17°40          | 16° 9  | 29°40          | F 16 |
| S 17 | 11 35 31 | 25°42'49         | 14°59           | 6°37             | 14°20 | 2° 2           | 21° 4                 | 23° 5 | 25°36          | 10°37           | 22°37  | 18°51          | 17°36          | 16°16  | 29°42          | S 17 |
| S 18 | 11 39 28 | 26°42'32         | 28°28           | 6°25             | 14°56 | 2°49           | 20°57                 | 23°11 | 25°39          | 10°35           | 22°36  | 18°44          | 17°33          | 16°22  | 29°45          | S 18 |
| M19  | 11 43 24 | 27°42'13         | 11835           | 6°D20            | 15°34 | 3°35           | 20°51                 | 23°18 | 25°42          | 10°33           | 22°36  | 18°38          | 17°30          | 16°29  | 29°47          | M19  |
| T 20 | 11 47 21 | 28°41'52         | 24°20           | 6°21             | 16°13 | 4°21           | 20°44                 | 23°24 | 25°45          | 10°32           | 22°35  | 18°32          | 17°27          | 16°36  | 29°50          | T 20 |
| W21  | 11 51 17 | 29°41'28         | 6 <b>Ⅱ</b> 46   | 6°28             | 16°53 | 5° 8           | 20°38                 | 23°30 | 25°49          | 10°30           | 22°35  | 18°28          | 17°24          | 16°42  | 29°53          | W21  |
| T 22 | 11 55 14 | 0 <b>Ƴ</b> 41'02 | 18°56           | 6°40             | 17°35 | 5°54           | 20°31                 | 23°37 | 25°52          | 10°29           | 22°34  | 18°25          | 17°21          | 16°49  | 29°55          | T 22 |
| F 23 | 11 59 10 | 1°40'34          | 0953            | 6°57             | 18°17 | 6°41           | 20°24                 | 23°43 | 25°55          | 10°27           | 22°34  | 18°D24         | 17°17          | 16°56  | 29°58          | F 23 |
| S 24 | 12 3 7   | 2°40'04          | 12°44           | 7°20             | 19° 0 | 7°27           | 20°17                 | 23°49 | 25°58          | 10°26           | 22°34  | 18°25          | 17°14          | 17° 2  | 0 <b>I</b> I 1 | S 24 |
| S 25 | 12 7 3   | 3°39'31          | 24°33           | 7°47             | 19°44 | 8°13           | 20°10                 | 23°55 | 26° 1          | 10°24           | 22°33  | 18°26          | 17°11          | 17° 9  | 0° 4           | S 25 |
| M26  | 12 11 0  | 4°38'56          | 6 <b>Ω</b> 25   | 8°19             | 20°30 | 8°59           | 20° 3                 | 24° 1 | 26° 5          | 10°23           | 22°33  | 18°28          | 17° 8          | 17°16  | 0° 7           | M26  |
| T 27 | 12 14 57 | 5°38'19          | 18°26           | 8°55             | 21°16 | 9°46           | 19°56                 | 24° 7 | 26° 8          | 10°21           | 22°33  | 18°R28         | 17° 5          | 17°22  | 0°10           | T 27 |
| W28  | 12 18 53 | 6°37'40          | 0 <b>m</b> 39   | 9°35             | 22° 3 | 10°32          | 19°48                 | 24°13 | 26°11          | 10°20           | 22°33  | 18°27          | 17° 1          | 17°29  | 0°13           | W28  |
| T 29 | 12 22 50 | 7°36'58          | 13° 7           | 10°19            | 22°50 | 11°18          | 19°41                 | 24°19 | 26°15          | 10°18           | 22°32  | 18°24          | 16°58          | 17°36  | 0°16           | T 29 |
| F 30 | 12 26 46 | 8°36'14          | 25°53           | 11° 6            | 23°39 | 12° 4          | 19°34                 | 24°25 | 26°18          | 10°17           | 22°32  | 18°19          | 16°55          | 17°42  | 0°20           | F 30 |
| S 31 | 12 30 43 | 9 <b>Υ</b> 35'28 | 8 <b>≙</b> 57   | 11 <b>米</b> 57   | 24≈28 | 12 <b>Y</b> 50 | 19 <b>≏</b> 26        | 24≈31 | 26 <b>Y</b> 21 | 10 <b>m</b> 15  | 22932  | 18 <b>≈</b> 12 | 16≈52          | 179549 | 0П23           | S 31 |

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| Day  | Sid.t    | 0                 | D              | ğ              | ·              | ♂              | 4              | ħ     | )ф(            | 卉              | В      | u              | v     | Ç      | ę,   | Day  |
|------|----------|-------------------|----------------|----------------|----------------|----------------|----------------|-------|----------------|----------------|--------|----------------|-------|--------|------|------|
| S 1  | 12 34 39 | 10 <b>Y</b> 34'40 | 22 <b>≏</b> 19 | 12 <b>)</b> 51 | 25≈18          | 13 <b>Y</b> 36 | 19°R19         | 24≈37 | 26 <b>Y</b> 24 | 10°R14         | 22°R32 | 18°R 4         | 16≈49 | 179556 | 0Д26 | S 1  |
| M 2  | 12 38 36 | 11°33'50          | 5 <b>M</b> .56 | 13°47          | 26° 9          | 14°22          | 19 <b>≏</b> 11 | 24°42 | 26°28          | 10 <b>m</b> 13 | 22932  | 17 <b>≈</b> 54 | 16°46 | 18° 2  | 0°29 | M 2  |
| T 3  | 12 42 32 | 12°32'58          | 19°45          | 14°47          | 27° 1          | 15° 8          | 19° 4          | 24°48 | 26°31          | 10°11          | 22°32  | 17°46          | 16°42 | 18° 9  | 0°33 | T 3  |
| W 4  | 12 46 29 | 13°32'04          | 3 <b>,</b> ₹44 | 15°49          | 27°53          | 15°53          | 18°56          | 24°54 | 26°35          | 10°10          | 22°32  | 17°38          | 16°39 | 18°16  | 0°36 | W 4  |
| T 5  | 12 50 26 | 14°31'09          | 17°48          | 16°54          | 28°46          | 16°39          | 18°48          | 24°59 | 26°38          | 10° 9          | 22°32  | 17°33          | 16°36 | 18°22  | 0°40 | T 5  |
| F 6  | 12 54 22 | 15°30'11          | 1 <b>る</b> 55  | 18° 2          | 29°39          | 17°25          | 18°41          | 25° 5 | 26°41          | 10° 7          | 22°D32 | 17°30          | 16°33 | 18°29  | 0°43 | F 6  |
| S 7  | 12 58 19 | 16°29'13          | 16° 3          | 19°12          | 0 <b>∺</b> 33  | 18°11          | 18°33          | 25°10 | 26°45          | 10° 6          | 22°32  | 17°D30         | 16°30 | 18°36  | 0°47 | S 7  |
| S 8  | 13 2 15  | 17°28'12          | 0≈10           | 20°24          | 1°28           | 18°56          | 18°25          | 25°15 | 26°48          | 10° 5          | 22°32  | 17°30          | 16°27 | 18°42  | 0°50 | S 8  |
| M 9  | 13 6 12  | 18°27'10          | 14°16          | 21°38          | 2°23           | 19°42          | 18°18          | 25°21 | 26°52          | 10° 4          | 22°32  | 17°R31         | 16°23 | 18°49  | 0°54 | M 9  |
| T 10 | 13 10 8  | 19°26'05          | 28°19          | 22°54          | 3°18           | 20°27          | 18°10          | 25°26 | 26°55          | 10° 2          | 22°32  | 17°30          | 16°20 | 18°56  | 0°57 | T 10 |
| W11  | 13 14 5  | 20°24'59          | 12 <b>)</b> 18 | 24°12          | 4°14           | 21°13          | 18° 2          | 25°31 | 26°58          | 10° 1          | 22°32  | 17°28          | 16°17 | 19° 2  | 1° 1 | W11  |
| T 12 | 13 18 1  | 21°23'51          | 26°10          | 25°33          | 5°11           | 21°58          | 17°54          | 25°36 | 27° 2          | 10° 0          | 22°32  | 17°23          | 16°14 | 19° 9  | 1° 5 | T 12 |
| F 13 | 13 21 58 | 22°22'42          | 9 <b>Ƴ</b> 53  | 26°55          | 6° 8           | 22°44          | 17°47          | 25°41 | 27° 5          | 9°59           | 22°32  | 17°15          | 16°11 | 19°16  | 1° 9 | F 13 |
| S 14 | 13 25 54 | 23°21'30          | 23°23          | 28°19          | 7° 5           | 23°29          | 17°39          | 25°46 | 27° 9          | 9°58           | 22°32  | 17° 5          | 16° 7 | 19°22  | 1°12 | S 14 |
| S 15 | 13 29 51 | 24°20'16          | 6 <b>8</b> 38  | 29°45          | 8° 3           | 24°15          | 17°31          | 25°51 | 27°12          | 9°57           | 22°33  | 16°53          | 16° 4 | 19°29  | 1°16 | S 15 |
| M16  | 13 33 48 | 25°19'01          | 19°35          | 1 <b>Y</b> 12  | 9° 2           | 25° 0          | 17°24          | 25°56 | 27°16          | 9°55           | 22°33  | 16°42          | 16° 1 | 19°36  | 1°20 | M16  |
| T 17 | 13 37 44 | 26°17'43          | 2 <b>Ⅱ</b> 15  | 2°42           | 10° 0          | 25°45          | 17°16          | 26° 1 | 27°19          | 9°54           | 22°33  | 16°31          | 15°58 | 19°42  | 1°24 | T 17 |
| W18  | 13 41 41 | 27°16'24          | 14°38          | 4°13           | 11° 0          | 26°30          | 17° 9          | 26° 5 | 27°22          | 9°53           | 22°34  | 16°22          | 15°55 | 19°49  | 1°28 | W18  |
| T 19 | 13 45 37 | 28°15'02          | 26°47          | 5°46           | 11°59          | 27°16          | 17° 1          | 26°10 | 27°26          | 9°52           | 22°34  | 16°15          | 15°52 | 19°56  | 1°32 | T 19 |
| F 20 | 13 49 34 | 29°13'38          | 8 <b>ॐ</b> 44  | 7°20           | 12°59          | 28° 1          | 16°54          | 26°14 | 27°29          | 9°51           | 22°34  | 16°11          | 15°48 | 20° 2  | 1°36 | F 20 |
| S 21 | 13 53 30 | 0812'12           | 20°34          | 8°57           | 13°59          | 28°46          | 16°46          | 26°19 | 27°33          | 9°50           | 22°35  | 16° 9          | 15°45 | 20° 9  | 1°40 | S 21 |
| S 22 | 13 57 27 | 1°10'43           | 2 <b>Ω</b> 23  | 10°35          | 14°59          | 29°31          | 16°39          | 26°23 | 27°36          | 9°50           | 22°35  | 16°D 9         | 15°42 | 20°16  | 1°44 | S 22 |
| M23  | 14 1 23  | 2° 9'13           | 14°15          | 12°14          | 16° 0          | 0816           | 16°32          | 26°27 | 27°40          | 9°49           | 22°35  | 16°R 9         | 15°39 | 20°22  | 1°48 | M23  |
| T 24 | 14 5 20  | 3° 7'40           | 26°17          | 13°56          | 17° 1          | 1° 0           | 16°25          | 26°32 | 27°43          | 9°48           | 22°36  | 16° 8          | 15°36 | 20°29  | 1°52 | T 24 |
| W25  | 14 9 17  | 4° 6'05           | 8 <b>m</b> y33 | 15°39          | 18° 3          | 1°45           | 16°18          | 26°36 | 27°46          | 9°47           | 22°36  | 16° 6          | 15°33 | 20°35  | 1°57 | W25  |
| T 26 | 14 13 13 | 5° 4'28           | 21° 8          | 17°24          | 19° 5          | 2°30           | 16°11          | 26°40 | 27°50          | 9°46           | 22°37  | 16° 2          | 15°29 | 20°42  | 2° 1 | T 26 |
| F 27 | 14 17 10 | 6° 2'49           | 4 <b>º</b> 4   | 19°10          | 20° 7          | 3°15           | 16° 4          | 26°44 | 27°53          | 9°45           | 22°37  | 15°56          | 15°26 | 20°49  | 2° 5 | F 27 |
| S 28 | 14 21 6  | 7° 1'08           | 17°23          | 20°58          | 21° 9          | 4° 0           | 15°57          | 26°48 | 27°57          | 9°45           | 22°38  | 15°46          | 15°23 | 20°55  | 2° 9 | S 28 |
| S 29 | 14 25 3  | 7°59'25           | 1 <b>m</b> 5   | 22°48          | 22°11          | 4°44           | 15°50          | 26°52 | 28° 0          | 9°44           | 22°38  | 15°35          | 15°20 | 21° 2  | 2°13 | S 29 |
| M30  | 14 28 59 | 8 <b>8</b> 57'41  | 15 <b>M</b> 7  | 24 <b>Y</b> 40 | 23 <b>米</b> 14 | 5 <b>8</b> 29  | 15 <b>≏</b> 44 | 26≈55 | 28 <b>Y</b> 4  | 9 <b>m</b> 43  | 22939  | 15≈23          | 15≈17 | 2195 9 | 2耳18 | M30  |

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|------|----------|------------------|-----------------|----------------|-----------------|---------------|----------------|-------|----------------|---------------|--------|--------|-------|--------|----------------|------|
| T 1  | 14 32 56 | 9 <b>8</b> 55'54 | 29M23           | 26 <b>Y</b> 34 | 24 <b>)</b> (17 | 6 <b>8</b> 13 | 15°R37         | 26≈59 | 28 <b>Y</b> 7  | 9°R43         | 229540 | 15°R12 | 15≈13 | 219515 | 2 <b>II</b> 22 | T 1  |
| W 2  | 14 36 52 | 10°54'06         | 13 <b>∡</b> 748 | 28°29          | 25°21           | 6°58          | 15 <b>≏</b> 31 | 27° 3 | 28°10          | 9 <b>m</b> 42 | 22°40  | 15≈ 2  | 15°10 | 21°22  | 2°26           | W 2  |
| T 3  | 14 40 49 | 11°52'17         | 28°16           | 0826           | 26°24           | 7°42          | 15°25          | 27° 6 | 28°14          | 9°41          | 22°41  | 14°55  | 15° 7 | 21°29  | 2°31           | T 3  |
| F 4  | 14 44 46 | 12°50'26         | 12 <b>ප්</b> 41 | 2°24           | 27°28           | 8°27          | 15°18          | 27°10 | 28°17          | 9°41          | 22°41  | 14°50  | 15° 4 | 21°35  | 2°35           | F 4  |
| S 5  | 14 48 42 | 13°48'33         | 26°59           | 4°25           | 28°32           | 9°11          | 15°12          | 27°13 | 28°20          | 9°40          | 22°42  | 14°48  | 15° 1 | 21°42  | 2°39           | S 5  |
| S 6  | 14 52 39 | 14°46'40         | 11≈ 8           | 6°27           | 29°36           | 9°55          | 15° 6          | 27°16 | 28°24          | 9°40          | 22°43  | 14°48  | 14°58 | 21°49  | 2°44           | S 6  |
| M 7  | 14 56 35 | 15°44'44         | 25° 7           | 8°30           | 0 <b>Υ</b> 41   | 10°39         | 15° 1          | 27°19 | 28°27          | 9°39          | 22°44  | 14°48  | 14°54 | 21°55  | 2°48           | M 7  |
| T 8  | 15 0 32  | 16°42'48         | 8 <b>)</b> €57  | 10°35          | 1°45            | 11°24         | 14°55          | 27°22 | 28°30          | 9°39          | 22°44  | 14°47  | 14°51 | 22° 2  | 2°53           | T 8  |
| W 9  | 15 4 28  | 17°40'50         | 22°36           | 12°41          | 2°50            | 12° 8         | 14°49          | 27°25 | 28°34          | 9°38          | 22°45  | 14°44  | 14°48 | 22° 9  | 2°57           | W 9  |
| T 10 | 15 8 25  | 18°38'50         | 6 <b>℃</b> 5    | 14°49          | 3°55            | 12°52         | 14°44          | 27°28 | 28°37          | 9°38          | 22°46  | 14°38  | 14°45 | 22°15  | 3° 2           | T 10 |
| F 11 | 15 12 21 | 19°36'49         | 19°23           | 16°58          | 5° 0            | 13°36         | 14°39          | 27°31 | 28°40          | 9°38          | 22°47  | 14°29  | 14°42 | 22°22  | 3° 6           | F 11 |
| S 12 | 15 16 18 | 20°34'47         | 2 <b>8</b> 30   | 19° 7          | 6° 6            | 14°20         | 14°33          | 27°34 | 28°44          | 9°37          | 22°48  | 14°18  | 14°38 | 22°29  | 3°11           | S 12 |
| S 13 | 15 20 15 | 21°32'44         | 15°25           | 21°18          | 7°11            | 15° 4         | 14°29          | 27°36 | 28°47          | 9°37          | 22°48  | 14° 5  | 14°35 | 22°35  | 3°15           | S 13 |
| M14  | 15 24 11 | 22°30'39         | 28° 6           | 23°29          | 8°17            | 15°48         | 14°24          | 27°39 | 28°50          | 9°37          | 22°49  | 13°52  | 14°32 | 22°42  | 3°20           | M14  |
| T 15 | 15 28 8  | 23°28'32         | 10∏34           | 25°40          | 9°23            | 16°31         | 14°19          | 27°41 | 28°53          | 9°37          | 22°50  | 13°40  | 14°29 | 22°49  | 3°24           | T 15 |
| W16  | 15 32 4  | 24°26'24         | 22°48           | 27°51          | 10°29           | 17°15         | 14°14          | 27°44 | 28°56          | 9°36          | 22°51  | 13°29  | 14°26 | 22°55  | 3°29           | W16  |
| T 17 | 15 36 1  | 25°24'14         | 4951            | 0 <b>Ⅱ</b> 2   | 11°35           | 17°59         | 14°10          | 27°46 | 29° 0          | 9°36          | 22°52  | 13°21  | 14°23 | 23° 2  | 3°33           | T 17 |
| F 18 | 15 39 57 | 26°22'03         | 16°45           | 2°12           | 12°41           | 18°43         | 14° 6          | 27°48 | 29° 3          | 9°36          | 22°53  | 13°16  | 14°19 | 23° 9  | 3°38           | F 18 |
| S 19 | 15 43 54 | 27°19'50         | 28°34           | 4°21           | 13°48           | 19°26         | 14° 2          | 27°50 | 29° 6          | 9°36          | 22°54  | 13°13  | 14°16 | 23°15  | 3°42           | S 19 |
| S 20 | 15 47 51 | 28°17'36         | 10 <b>Ω</b> 22  | 6°29           | 14°54           | 20°10         | 13°58          | 27°52 | 29° 9          | 9°36          | 22°55  | 13°D12 | 14°13 | 23°22  | 3°47           | S 20 |
| M21  | 15 51 47 | 29°15'19         | 22°13           | 8°36           | 16° 1           | 20°53         | 13°54          | 27°54 | 29°12          | 9°D36         | 22°56  | 13°12  | 14°10 | 23°29  | 3°52           | M21  |
| T 22 | 15 55 44 | 0 <b>Ⅱ</b> 13'02 | 4 Mp 14         | 10°41          | 17° 8           | 21°37         | 13°51          | 27°56 | 29°15          | 9°36          | 22°57  | 13°R12 | 14° 7 | 23°35  | 3°56           | T 22 |
| W23  | 15 59 40 | 1°10'42          | 16°30           | 12°44          | 18°15           | 22°20         | 13°47          | 27°57 | 29°18          | 9°36          | 22°58  | 13°11  | 14° 4 | 23°42  | 4° 1           | W23  |
| T 24 | 16 3 37  | 2° 8'21          | 29° 5           | 14°46          | 19°22           | 23° 3         | 13°44          | 27°59 | 29°21          | 9°36          | 22°59  | 13° 8  | 14° 0 | 23°49  | 4° 5           | T 24 |
| F 25 | 16 7 33  | 3° 5'59          | 12 <b>♀</b> 4   | 16°45          | 20°29           | 23°47         | 13°41          | 28° 0 | 29°24          | 9°36          | 23° 0  | 13° 3  | 13°57 | 23°55  | 4°10           | F 25 |
| S 26 | 16 11 30 | 4° 3'35          | 25°30           | 18°41          | 21°36           | 24°30         | 13°38          | 28° 2 | 29°27          | 9°36          | 23° 2  | 12°56  | 13°54 | 24° 2  | 4°14           | S 26 |
| S 27 | 16 15 26 | 5° 1'10          | 9 <b>M</b> 23   | 20°35          | 22°44           | 25°13         | 13°36          | 28° 3 | 29°30          | 9°36          | 23° 3  | 12°46  | 13°51 | 24° 8  | 4°19           | S 27 |
| M28  | 16 19 23 | 5°58'43          | 23°40           | 22°27          | 23°52           | 25°56         | 13°33          | 28° 4 | 29°33          | 9°37          | 23° 4  | 12°36  | 13°48 | 24°15  | 4°24           | M28  |
| T 29 | 16 23 20 | 6°56'15          | 8 <b>∡</b> 16   | 24°16          | 24°59           | 26°39         | 13°31          | 28° 5 | 29°36          | 9°37          | 23° 5  | 12°26  | 13°44 | 24°22  | 4°28           | T 29 |
| W30  | 16 27 16 | 7°53'47          | 2 <u>3</u> ° 4  | 26° 2          | 26° 7           | 27°22         | 13°29          | 28° 6 | 29°39          | 9°37          | 23° 6  | 12°18  | 13°41 | 24°28  | 4°33           | W30  |
| T 31 | 16 31 13 | 8 <b>Ⅱ</b> 51'17 | 7 <b>궁</b> 56   | 27 <b>Ⅱ</b> 45 | 27 <b>Υ</b> 15  | 28 <b>8</b> 5 | 13 <b>≏</b> 27 | 28≈ 7 | 29 <b>Y</b> 42 | 9 <b>m</b> 37 | 2399 7 | 12≈12  | 13≈38 | 24935  | 4 <b>∏</b> 37  | T 31 |

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|------|----------|----------|----------------|--------|----------------|----------------|----------------|----------------|----------------|-----------------|--------|--------|-------|--------|----------------|------|
| Day  | Sid.t    | 0        | D              | ğ      | φ              | ♂              | 4              | ħ              | )f(            | ħ               | В      | u      | v     | Ç      | ę,             | Day  |
| F 1  | 16 35 9  | 9∏48'46  | 22 <b>중</b> 43 | 29∏26  | 28 <b>Y</b> 23 | 28 <b>8</b> 48 | 13°R25         | 28≈ 8          | 29 <b>Y</b> 45 | 9 <b>m</b> 38   | 2399 9 | 12°R 8 | 13≈35 | 249542 | 4∏42           | F 1  |
| S 2  | 16 39 6  | 10°46'15 | 7≈20           | 195 3  | 29°31          | 29°31          | 13 <b>≏</b> 23 | 28° 9          | 29°47          | 9°38            | 23°10  | 12°D 7 | 13°32 | 24°48  | 4°47           | S 2  |
| S 3  | 16 43 2  | 11°43'43 | 21°41          | 2°38   | 0 <b>8</b> 39  | 0 <b>П</b> 14  | 13°22          | 28°10          | 29°50          | 9°38            | 23°11  | 12≈ 7  | 13°29 | 24°55  | 4°51           | S 3  |
| M 4  | 16 46 59 | 12°41'09 | 5 <b>)</b> (46 | 4°10   | 1°48           | 0°56           | 13°20          | 28°10          | 29°53          | 9°39            | 23°12  | 12° 8  | 13°25 | 25° 2  | 4°56           | M 4  |
| T 5  | 16 50 55 | 13°38'36 | 19°33          | 5°39   | 2°56           | 1°39           | 13°19          | 28°10          | 29°56          | 9°39            | 23°14  | 12°R 8 | 13°22 | 25° 8  | 5° 0           | T 5  |
| W 6  | 16 54 52 | 14°36'01 | 3 <b>℃</b> 3   | 7° 5   | 4° 5           | 2°22           | 13°18          | 28°11          | 29°58          | 9°40            | 23°15  | 12° 6  | 13°19 | 25°15  | 5° 5           | W 6  |
| T 7  | 16 58 49 | 15°33'26 | 16°18          | 8°28   | 5°13           | 3° 4           | 13°18          | 28°11          | 0 <b>8</b> 1   | 9°40            | 23°16  | 12° 2  | 13°16 | 25°22  | 5°10           | T 7  |
| F 8  | 17 2 45  | 16°30'51 | 29°19          | 9°48   | 6°22           | 3°47           | 13°17          | 28°11          | 0° 4           | 9°41            | 23°18  | 11°56  | 13°13 | 25°28  | 5°14           | F 8  |
| S 9  | 17 6 42  | 17°28'15 | 128 6          | 11° 4  | 7°31           | 4°29           | 13°17          | 28°R11         | 0° 6           | 9°41            | 23°19  | 11°48  | 13°10 | 25°35  | 5°19           | S 9  |
| S 10 | 17 10 38 | 18°25'38 | 24°42          | 12°18  | 8°40           | 5°12           | 13°16          | 28°11          | 0° 9           | 9°42            | 23°20  | 11°39  | 13° 6 | 25°42  | 5°23           | S 10 |
| M11  | 17 14 35 | 19°23'00 | 7 <b>I</b> I 6 | 13°29  | 9°49           | 5°54           | 13°D16         | 28°11          | 0°11           | 9°43            | 23°22  | 11°29  | 13° 3 | 25°48  | 5°28           | M11  |
| T 12 | 17 18 31 | 20°20'22 | 19°19          | 14°36  | 10°58          | 6°36           | 13°17          | 28°11          | 0°14           | 9°43            | 23°23  | 11°20  | 13° 0 | 25°55  | 5°32           | T 12 |
| W13  | 17 22 28 | 21°17'44 | 19523          | 15°40  | 12° 7          | 7°19           | 13°17          | 28°10          | 0°16           | 9°44            | 23°25  | 11°13  | 12°57 | 26° 2  | 5°37           | W13  |
| T 14 | 17 26 24 | 22°15'04 | 13°19          | 16°40  | 13°16          | 8° 1           | 13°18          | 28°10          | 0°19           | 9°45            | 23°26  | 11° 7  | 12°54 | 26° 8  | 5°41           | T 14 |
| F 15 | 17 30 21 | 23°12'24 | 25° 9          | 17°38  | 14°25          | 8°43           | 13°18          | 28° 9          | 0°21           | 9°46            | 23°27  | 11° 3  | 12°50 | 26°15  | 5°46           | F 15 |
| S 16 | 17 34 18 | 24° 9'43 | 6№56           | 18°31  | 15°34          | 9°25           | 13°19          | 28° 9          | 0°23           | 9°46            | 23°29  | 11°D 2 | 12°47 | 26°22  | 5°50           | S 16 |
| S 17 | 17 38 14 | 25° 7'01 | 18°43          | 19°21  | 16°44          | 10° 7          | 13°20          | 28° 8          | 0°26           | 9°47            | 23°30  | 11° 2  | 12°44 | 26°28  | 5°55           | S 17 |
| M18  | 17 42 11 | 26° 4'18 | 0 <b>₯</b> 34  | 20° 7  | 17°53          | 10°49          | 13°21          | 28° 7          | 0°28           | 9°48            | 23°32  | 11° 3  | 12°41 | 26°35  | 5°59           | M18  |
| T 19 | 17 46 7  | 27° 1'35 | 12°35          | 20°49  | 19° 3          | 11°31          | 13°23          | 28° 6          | 0°30           | 9°49            | 23°33  | 11° 5  | 12°38 | 26°42  | 6° 3           | T 19 |
| W20  | 17 50 4  | 27°58'50 | 24°49          | 21°28  | 20°13          | 12°13          | 13°24          | 28° 5          | 0°32           | 9°50            | 23°35  | 11°R 6 | 12°35 | 26°48  | 6° 8           | W20  |
| T 21 | 17 54 0  | 28°56'05 | 7 <b>≏</b> 23  | 22° 2  | 21°22          | 12°55          | 13°26          | 28° 4          | 0°35           | 9°51            | 23°36  | 11° 5  | 12°31 | 26°55  | 6°12           | T 21 |
| F 22 | 17 57 57 | 29°53'20 | 20°20          | 22°32  | 22°32          | 13°37          | 13°28          | 28° 2          | 0°37           | 9°52            | 23°38  | 11° 3  | 12°28 | 27° 1  | 6°16           | F 22 |
| S 23 | 18 1 53  | 0950'33  | 3 <b>M</b> 43  | 22°58  | 23°42          | 14°18          | 13°30          | 28° 1          | 0°39           | 9°53            | 23°39  | 11° 0  | 12°25 | 27° 8  | 6°21           | S 23 |
| S 24 | 18 5 50  | 1°47'47  | 17°36          | 23°19  | 24°52          | 15° 0          | 13°33          | 28° 0          | 0°41           | 9°54            | 23°41  | 10°55  | 12°22 | 27°15  | 6°25           | S 24 |
| M25  | 18 9 47  | 2°44'59  | 1 <b>√</b> 155 | 23°36  | 26° 2          | 15°42          | 13°35          | 27°58          | 0°43           | 9°55            | 23°42  | 10°50  | 12°19 | 27°21  | 6°29           | M25  |
| T 26 | 18 13 43 | 3°42'11  | 16°38          | 23°49  | 27°12          | 16°23          | 13°38          | 27°57          | 0°45           | 9°56            | 23°44  | 10°44  | 12°16 | 27°28  | 6°34           | T 26 |
| W27  | 18 17 40 | 4°39'23  | 1 <b>云</b> 38  | 23°57  | 28°22          | 17° 5          | 13°41          | 27°55          | 0°47           | 9°57            | 23°45  | 10°39  | 12°12 | 27°35  | 6°38           | W27  |
| T 28 | 18 21 36 | 5°36'35  | 16°46          | 24°R 0 | 29°32          | 17°46          | 13°44          | 27°53          | 0°49           | 9°58            | 23°47  | 10°36  | 12° 9 | 27°41  | 6°42           | T 28 |
| F 29 | 18 25 33 | 6°33'46  | 1≈52           | 23°59  | 0 <b>Ⅱ</b> 42  | 18°28          | 13°47          | 27°51          | 0°51           | 10° 0           | 23°48  | 10°34  | 12° 6 | 27°48  | 6°46           | F 29 |
| S 30 | 18 29 29 | 7930'58  | 16 <b>≈</b> 47 | 23953  | 1 <b>II</b> 52 | 19耳 9          | 13 <b>≏</b> 50 | 27 <b>≈</b> 49 | 0 <b>8</b> 52  | 10 <b>m</b> y 1 | 23950  | 10°D34 | 12≈ 3 | 27955  | 6 <b>I</b> I50 | S 30 |

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| Day  | Sid.t    | 0               | D              | ğ      | φ             | ð     | 4              | ħ              | )វ(           | ¥              | Р      | ß      | v     | Ç             | o<br>k        | Day  |
|------|----------|-----------------|----------------|--------|---------------|-------|----------------|----------------|---------------|----------------|--------|--------|-------|---------------|---------------|------|
| S 1  | 18 33 26 | 8928'09         | 1 <b>∺</b> 26  | 23°R42 | 3 <b>II</b> 3 | 19耳50 | 13 <b>≏</b> 53 | 27°R47         | 0 <b>8</b> 54 | 10Mp 2         | 23951  | 10≈35  | 12≈ 0 | 2899 1        | 6 <b>Ⅱ</b> 54 | S 1  |
| M 2  | 18 37 23 | 9°25'20         | 15°43          | 239528 | 4°13          | 20°32 | 13°57          | 27 <b>≈</b> 45 | 0°56          | 10° 3          | 23°53  | 10°37  | 11°56 | 28° 8         | 6°59          | M 2  |
| T 3  | 18 41 19 | 10°22'32        | 29°38          | 23° 9  | 5°24          | 21°13 | 14° 1          | 27°43          | 0°57          | 10° 5          | 23°55  | 10°38  | 11°53 | 28°15         | 7° 3          | T 3  |
| W 4  | 18 45 16 | 11°19'44        | 13 <b>Υ</b> 10 | 22°46  | 6°34          | 21°54 | 14° 5          | 27°40          | 0°59          | 10° 6          | 23°56  | 10°R38 | 11°50 | 28°21         | 7° 7          | W 4  |
| T 5  | 18 49 12 | 12°16'56        | 26°20          | 22°19  | 7°45          | 22°35 | 14° 9          | 27°38          | 1° 1          | 10° 7          | 23°58  | 10°37  | 11°47 | 28°28         | 7°11          | T 5  |
| F 6  | 18 53 9  | 13°14'08        | 9811           | 21°49  | 8°55          | 23°16 | 14°13          | 27°36          | 1° 2          | 10° 9          | 23°59  | 10°35  | 11°44 | 28°35         | 7°15          | F 6  |
| S 7  | 18 57 5  | 14°11'21        | 21°47          | 21°17  | 10° 6         | 23°57 | 14°18          | 27°33          | 1° 4          | 10°10          | 24° 1  | 10°32  | 11°41 | 28°41         | 7°19          | S 7  |
| S 8  | 19 1 2   | 15° 8'34        | 4 <b>I</b> 8   | 20°42  | 11°17         | 24°38 | 14°22          | 27°30          | 1° 5          | 10°11          | 24° 3  | 10°28  | 11°37 | 28°48         | 7°23          | S 8  |
| M 9  | 19 4 58  | 16° 5'47        | 16°19          | 20° 5  | 12°28         | 25°19 | 14°27          | 27°28          | 1° 7          | 10°13          | 24° 4  | 10°24  | 11°34 | 28°55         | 7°26          | M 9  |
| T 10 | 19 8 55  | 17° 3'01        | 28°20          | 19°27  | 13°39         | 26° 0 | 14°32          | 27°25          | 1° 8          | 10°14          | 24° 6  | 10°21  | 11°31 | 29° 1         | 7°30          | T 10 |
| W11  | 19 12 52 | 18° 0'15        | 109515         | 18°49  | 14°50         | 26°41 | 14°37          | 27°22          | 1° 9          | 10°16          | 24° 7  | 10°18  | 11°28 | 29° 8         | 7°34          | W11  |
| T 12 | 19 16 48 | 18°57'29        | 22° 5          | 18°11  | 16° 1         | 27°22 | 14°42          | 27°19          | 1°11          | 10°17          | 24° 9  | 10°15  | 11°25 | 29°14         | 7°38          | T 12 |
| F 13 | 19 20 45 | 19°54'44        | 3 <b>£</b> 52  | 17°33  | 17°12         | 28° 2 | 14°48          | 27°16          | 1°12          | 10°19          | 24°11  | 10°14  | 11°22 | 29°21         | 7°42          | F 13 |
| S 14 | 19 24 41 | 20°51'58        | 15°39          | 16°57  | 18°23         | 28°43 | 14°53          | 27°13          | 1°13          | 10°20          | 24°12  | 10°D14 | 11°18 | 29°28         | 7°45          | S 14 |
| S 15 | 19 28 38 | 21°49'13        | 27°28          | 16°23  | 19°34         | 29°24 | 14°59          | 27°10          | 1°14          | 10°22          | 24°14  | 10°15  | 11°15 | 29°34         | 7°49          | S 15 |
| M16  | 19 32 34 | 22°46'28        | 9 <b>m</b> 23  | 15°51  | 20°45         | 0ණ 4  | 15° 4          | 27° 6          | 1°15          | 10°24          | 24°16  | 10°16  | 11°12 | 29°41         | 7°53          | M16  |
| T 17 | 19 36 31 | 23°43'43        | 21°26          | 15°23  | 21°56         | 0°45  | 15°10          | 27° 3          | 1°16          | 10°25          | 24°17  | 10°18  | 11° 9 | 29°48         | 7°56          | T 17 |
| W18  | 19 40 27 | 24°40'58        | 3 <b>₾</b> 43  | 14°59  | 23° 8         | 1°25  | 15°16          | 27° 0          | 1°17          | 10°27          | 24°19  | 10°19  | 11° 6 | 29°54         | 8° 0          | W18  |
| T 19 | 19 44 24 | 25°38'14        | 16°16          | 14°38  | 24°19         | 2° 6  | 15°23          | 26°56          | 1°18          | 10°29          | 24°20  | 10°20  | 11° 2 | 0 <b>Ω</b> 1  | 8° 3          | T 19 |
| F 20 | 19 48 21 | 26°35'29        | 29°10          | 14°23  | 25°31         | 2°46  | 15°29          | 26°53          | 1°19          | 10°30          | 24°22  | 10°R20 | 10°59 | 0° 8          | 8° 7          | F 20 |
| S 21 | 19 52 17 | 27°32'45        | 12 <b>M</b> 29 | 14°13  | 26°42         | 3°26  | 15°36          | 26°49          | 1°20          | 10°32          | 24°24  | 10°20  | 10°56 | 0°14          | 8°10          | S 21 |
| S 22 | 19 56 14 | 28°30'01        | 26°13          | 14°D 7 | 27°54         | 4° 6  | 15°42          | 26°45          | 1°21          | 10°34          | 24°25  | 10°19  | 10°53 | 0°21          | 8°14          | S 22 |
| M23  | 20 0 10  | 29°27'18        | 10 <b>∡</b> 25 | 14° 8  | 29° 5         | 4°47  | 15°49          | 26°42          | 1°22          | 10°35          | 24°27  | 10°17  | 10°50 | 0°28          | 8°17          | M23  |
| T 24 | 20 4 7   | $0\Omega 24'35$ | 25° 1          | 14°14  | 09୍ତ17        | 5°27  | 15°56          | 26°38          | 1°22          | 10°37          | 24°28  | 10°16  | 10°47 | 0°34          | 8°20          | T 24 |
| W25  | 20 8 3   | 1°21'52         | 9 <b>궁</b> 57  | 14°26  | 1°29          | 6° 7  | 16° 3          | 26°34          | 1°23          | 10°39          | 24°30  | 10°15  | 10°43 | 0°41          | 8°24          | W25  |
| T 26 | 20 12 0  | 2°19'10         | 25° 6          | 14°44  | 2°40          | 6°47  | 16°10          | 26°30          | 1°24          | 10°41          | 24°32  | 10°15  | 10°40 | 0°48          | 8°27          | T 26 |
| F 27 | 20 15 56 | 3°16'28         | 10≈19          | 15° 8  | 3°52          | 7°27  | 16°17          | 26°26          | 1°24          | 10°43          | 24°33  | 10°D14 | 10°37 | 0°54          | 8°30          | F 27 |
| S 28 | 20 19 53 | 4°13'48         | 25°26          | 15°38  | 5° 4          | 8° 7  | 16°25          | 26°22          | 1°25          | 10°45          | 24°35  | 10°15  | 10°34 | 1° 1          | 8°33          | S 28 |
| S 29 | 20 23 50 | 5°11'07         | 10 <b>)</b> 18 | 16°14  | 6°16          | 8°47  | 16°32          | 26°18          | 1°25          | 10°46          | 24°36  | 10°15  | 10°31 | 1° 7          | 8°36          | S 29 |
| M30  | 20 27 46 | 6° 8'28         | 24°48          | 16°56  | 7°28          | 9°27  | 16°40          | 26°14          | 1°26          | 10°48          | 24°38  | 10°15  | 10°28 | 1°14          | 8°39          | M30  |
| T 31 | 20 31 43 | 7 <b>Ω</b> 5'50 | 8 <b>Ƴ</b> 54  | 179544 | 8940          | 109 6 | 16 <b>≏</b> 48 | 26≈10          | 1826          | 10 <b>m</b> 50 | 249540 | 10≈16  | 10≈24 | 1 <b>N</b> 21 | 8 <b>∏</b> 42 | T 31 |

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| Day  | Sid.t    | 0                | D              | ğ               | ·              | ♂             | 4              | ħ      | )Å(   | ¥              | В      | U             | v             | ţ             | Ŷ             | Day  |
|------|----------|------------------|----------------|-----------------|----------------|---------------|----------------|--------|-------|----------------|--------|---------------|---------------|---------------|---------------|------|
| W 1  | 20 35 39 | 8 <b>0</b> 3'13  | 22 <b>Y</b> 33 | 18937           | 9952           | 10946         | 16 <b>≏</b> 56 | 26°R 6 | 1826  | 10 <b>m</b> 52 | 249541 | 10≈16         | 10≈21         | 1 <b>Ω</b> 27 | 8 <b>Ⅱ</b> 45 | W 1  |
| T 2  | 20 39 36 | 9° 0'37          | 5 <b>8</b> 47  | 19°37           | 11° 4          | 11°26         | 17° 4          | 26≈ 2  | 1°27  | 10°54          | 24°43  | 10°R16        | 10°18         | 1°34          | 8°48          | T 2  |
| F 3  | 20 43 32 | 9°58'03          | 18°37          | 20°42           | 12°16          | 12° 6         | 17°12          | 25°58  | 1°27  | 10°56          | 24°44  | 10°D16        | 10°15         | 1°41          | 8°51          | F 3  |
| S 4  | 20 47 29 | 10°55'29         | 1 <b>II</b> 8  | 21°53           | 13°28          | 12°45         | 17°20          | 25°53  | 1°27  | 10°58          | 24°46  | 10°16         | 10°12         | 1°47          | 8°53          | S 4  |
| S 5  | 20 51 25 | 11°52'57         | 13°23          | 23° 9           | 14°41          | 13°25         | 17°29          | 25°49  | 1°27  | 11° 0          | 24°48  | 10°16         | 10° 8         | 1°54          | 8°56          | S 5  |
| M 6  | 20 55 22 | 12°50'26         | 25°25          | 24°30           | 15°53          | 14° 4         | 17°37          | 25°45  | 1°27  | 11° 2          | 24°49  | 10°16         | 10° 5         | 2° 1          | 8°59          | M 6  |
| T 7  | 20 59 19 | 13°47'57         | 7 <b>9</b> 519 | 25°57           | 17° 6          | 14°44         | 17°46          | 25°40  | 1°R27 | 11° 4          | 24°51  | 10°17         | 10° 2         | 2° 7          | 9° 1          | T 7  |
| W 8  | 21 3 15  | 14°45'28         | 19°8           | 27°28           | 18°18          | 15°23         | 17°54          | 25°36  | 1°27  | 11° 6          | 24°52  | 10°17         | 9°59          | 2°14          | 9° 4          | W 8  |
| T 9  | 21 7 12  | 15°43'01         | 0 <b>Ω</b> 55  | 29° 3           | 19°30          | 16° 3         | 18° 3          | 25°32  | 1°27  | 11°8           | 24°54  | 10°17         | 9°56          | 2°21          | 9° 7          | T 9  |
| F 10 | 21 11 8  | 16°40'35         | 12°43          | 0 <b>Ω</b> 43   | 20°43          | 16°42         | 18°12          | 25°27  | 1°27  | 11°10          | 24°55  | 10°R17        | 9°53          | 2°27          | 9° 9          | F 10 |
| S 11 | 21 15 5  | 17°38'10         | 24°33          | 2°26            | 21°56          | 17°21         | 18°21          | 25°23  | 1°27  | 11°12          | 24°57  | 10°17         | 9°49          | 2°34          | 9°11          | S 11 |
| S 12 | 21 19 1  | 18°35'45         | 6 <b>m</b> 29  | 4°13            | 23° 8          | 18° 0         | 18°30          | 25°18  | 1°27  | 11°14          | 24°58  | 10°17         | 9°46          | 2°41          | 9°14          | S 12 |
| M13  | 21 22 58 | 19°33'22         | 18°32          | 6° 3            | 24°21          | 18°40         | 18°40          | 25°14  | 1°27  | 11°16          | 25° 0  | 10°16         | 9°43          | 2°47          | 9°16          | M13  |
| T 14 | 21 26 54 | 20°31'01         | 0 <b>ჲ</b> 45  | 7°56            | 25°34          | 19°19         | 18°49          | 25° 9  | 1°26  | 11°18          | 25° 1  | 10°14         | 9°40          | 2°54          | 9°18          | T 14 |
| W15  | 21 30 51 | 21°28'40         | 13° 9          | 9°51            | 26°46          | 19°58         | 18°58          | 25° 5  | 1°26  | 11°21          | 25° 3  | 10°13         | 9°37          | 3° 0          | 9°20          | W15  |
| T 16 | 21 34 48 | 22°26'20         | 25°48          | 11°47           | 27°59          | 20°37         | 19°8           | 25° 0  | 1°26  | 11°23          | 25° 4  | 10°11         | 9°34          | 3° 7          | 9°22          | T 16 |
| F 17 | 21 38 44 | 23°24'01         | 8 <b>M</b> .44 | 13°46           | 29°12          | 21°16         | 19°18          | 24°56  | 1°25  | 11°25          | 25° 6  | 10°10         | 9°30          | 3°14          | 9°25          | F 17 |
| S 18 | 21 42 41 | 24°21'44         | 22° 0          | 15°45           | 0 <b>Ω</b> 25  | 21°55         | 19°27          | 24°51  | 1°25  | 11°27          | 25° 7  | 10°D10        | 9°27          | 3°20          | 9°26          | S 18 |
| S 19 | 21 46 37 | 25°19'27         | 5 <b>₹</b> 36  | 17°46           | 1°38           | 22°34         | 19°37          | 24°47  | 1°24  | 11°29          | 25° 9  | 10°10         | 9°24          | 3°27          | 9°28          | S 19 |
| M20  | 21 50 34 | 26°17'12         | 19°36          | 19°47           | 2°51           | 23°12         | 19°47          | 24°42  | 1°23  | 11°31          | 25°10  | 10°11         | 9°21          | 3°34          | 9°30          | M20  |
| T 21 | 21 54 30 | 27°14'57         | 3 <b>云</b> 57  | 21°48           | 4° 4           | 23°51         | 19°57          | 24°38  | 1°23  | 11°33          | 25°11  | 10°12         | 9°18          | 3°40          | 9°32          | T 21 |
| W22  | 21 58 27 | 28°12'44         | 18°38          | 23°48           | 5°17           | 24°30         | 20° 7          | 24°33  | 1°22  | 11°36          | 25°13  | 10°13         | 9°14          | 3°47          | 9°34          | W22  |
| T 23 | 22 2 23  | 29°10'32         | 3≈34           | 25°49           | 6°30           | 25° 9         | 20°18          | 24°29  | 1°21  | 11°38          | 25°14  | 10°R14        | 9°11          | 3°54          | 9°36          | T 23 |
| F 24 | 22 6 20  | 0 <b>m)</b> 8'21 | 18°37          | 27°49           | 7°44           | 25°47         | 20°28          | 24°24  | 1°21  | 11°40          | 25°16  | 10°14         | 9° 8          | 4° 0          | 9°37          | F 24 |
| S 25 | 22 10 17 | 1° 6'12          | 3 <b>∺</b> 40  | 29°49           | 8°57           | 26°26         | 20°38          | 24°20  | 1°20  | 11°42          | 25°17  | 10°13         | 9° 5          | 4° 7          | 9°39          | S 25 |
| S 26 | 22 14 13 | 2° 4'04          | 18°34          | 1 <b>m</b> ) 47 | 10°10          | 27° 4         | 20°49          | 24°15  | 1°19  | 11°44          | 25°18  | 10°11         | 9° 2          | 4°14          | 9°40          | S 26 |
| M27  | 22 18 10 | 3° 1'57          | <b>3</b> Υ11   | 3°45            | 11°23          | 27°43         | 20°59          | 24°11  | 1°18  | 11°47          | 25°20  | 10° 8         | 8°59          | 4°20          | 9°42          | M27  |
| T 28 | 22 22 6  | 3°59'53          | 17°24          | 5°42            | 12°37          | 28°21         | 21°10          | 24° 6  | 1°17  | 11°49          | 25°21  | 10° 5         | 8°55          | 4°27          | 9°43          | T 28 |
| W29  | 22 26 3  | 4°57'50          | 1811           | 7°37            | 13°50          | 29° 0         | 21°20          | 24° 2  | 1°16  | 11°51          | 25°22  | 10° 1         | 8°52          | 4°33          | 9°44          | W29  |
| T 30 | 22 29 59 | 5°55'49          | 14°30          | 9°32            | 15° 4          | 29°38         | 21°31          | 23°58  | 1°15  | 11°53          | 25°24  | 9°59          | 8°49          | 4°40          | 9°45          | T 30 |
| F 31 | 22 33 56 | 6 <b>m</b> 53'50 | 27824          | 11 <b>m</b> 25  | 16 <b>Ω</b> 17 | 0 <b>Ω</b> 16 | 21 <b>≏</b> 42 | 23≈53  | 1814  | 11 <b>M</b> 55 | 25925  | 9 <b>≈</b> 57 | 8 <b>≈</b> 46 | 4 <b>Ω</b> 47 | 9∏47          | F 31 |

SEPTEMBER 1934 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ                | ·              | ♂ <sup>™</sup> | 4              | ħ      | )∤(           | ¥                | В     | ß      | v             | ţ             | Q<br>K        | Day  |
|------|----------|------------------|----------------|------------------|----------------|----------------|----------------|--------|---------------|------------------|-------|--------|---------------|---------------|---------------|------|
| S 1  | 22 37 52 | 7 <b>m</b> 51'53 | 9Д56           | 13 <b>m</b> ) 17 | 17 <b>Ω</b> 31 | 0 <b>Ω</b> 55  | 21 <b>≏</b> 53 | 23°R49 | 1°R13         | 11 <b>m</b> ) 58 | 25926 | 9°D57  | 8 <b>≈</b> 43 | 4 <b>Ω</b> 53 | 9 <b>Ⅱ</b> 48 | S 1  |
| S 2  | 22 41 49 | 8°49'58          | 22° 9          | 15° 8            | 18°45          | 1°33           | 22° 4          | 23≈45  | 1811          | 12° 0            | 25°27 | 9≈58   | 8°40          | 5° 0          | 9°49          | S 2  |
| M 3  | 22 45 46 | 9°48'04          | 495 8          | 16°58            | 19°58          | 2°11           | 22°15          | 23°40  | 1°10          | 12° 2            | 25°29 | 9°59   | 8°36          | 5° 7          | 9°50          | M 3  |
| T 4  | 22 49 42 | 10°46'13         | 16° 0          | 18°46            | 21°12          | 2°49           | 22°26          | 23°36  | 1° 9          | 12° 4            | 25°30 | 10° 1  | 8°33          | 5°13          | 9°51          | T 4  |
| W 5  | 22 53 39 | 11°44'24         | 27°47          | 20°33            | 22°26          | 3°27           | 22°38          | 23°32  | 1° 8          | 12° 7            | 25°31 | 10° 2  | 8°30          | 5°20          | 9°51          | W 5  |
| T 6  | 22 57 35 | 12°42'36         | 9 <b>Ω</b> 34  | 22°20            | 23°39          | 4° 5           | 22°49          | 23°28  | 1° 6          | 12° 9            | 25°32 | 10°R 3 | 8°27          | 5°27          | 9°52          | T 6  |
| F 7  | 23 1 32  | 13°40'50         | 21°25          | 24° 4            | 24°53          | 4°43           | 23° 0          | 23°24  | 1° 5          | 12°11            | 25°33 | 10° 2  | 8°24          | 5°33          | 9°53          | F 7  |
| S 8  | 23 5 28  | 14°39'07         | 3 Mp 22        | 25°48            | 26° 7          | 5°21           | 23°12          | 23°20  | 1° 3          | 12°13            | 25°35 | 10° 0  | 8°20          | 5°40          | 9°54          | S 8  |
| S 9  | 23 9 25  | 15°37'24         | 15°28          | 27°31            | 27°21          | 5°59           | 23°23          | 23°16  | 1° 2          | 12°15            | 25°36 | 9°56   | 8°17          | 5°47          | 9°54          | S 9  |
| M10  | 23 13 21 | 16°35'44         | 27°44          | 29°12            | 28°35          | 6°37           | 23°35          | 23°12  | 1° 0          | 12°18            | 25°37 | 9°51   | 8°14          | 5°53          | 9°55          | M10  |
| T 11 | 23 17 18 | 17°34'06         | 10 <b>≏</b> 12 | 0 <b>ჲ</b> 52    | 29°49          | 7°14           | 23°46          | 23° 8  | 0°59          | 12°20            | 25°38 | 9°44   | 8°11          | 6° 0          | 9°55          | T 11 |
| W12  | 23 21 15 | 18°32'29         | 22°52          | 2°31             | 1 mg 3         | 7°52           | 23°58          | 23° 4  | 0°57          | 12°22            | 25°39 | 9°37   | 8° 8          | 6° 6          | 9°55          | W12  |
| T 13 | 23 25 11 | 19°30'54         | 5 <b>M</b> .45 | 4° 9             | 2°17           | 8°30           | 24°10          | 23° 0  | 0°56          | 12°24            | 25°40 | 9°31   | 8° 5          | 6°13          | 9°56          | T 13 |
| F 14 | 23 29 8  | 20°29'20         | 18°52          | 5°46             | 3°31           | 9° 7           | 24°21          | 22°56  | 0°54          | 12°27            | 25°41 | 9°26   | 8° 1          | 6°20          | 9°56          | F 14 |
| S 15 | 23 33 4  | 21°27'49         | 2 <b>,7</b> 13 | 7°22             | 4°45           | 9°45           | 24°33          | 22°53  | 0°52          | 12°29            | 25°42 | 9°22   | 7°58          | 6°26          | 9°56          | S 15 |
| S 16 | 23 37 1  | 22°26'19         | 15°48          | 8°57             | 6° 0           | 10°22          | 24°45          | 22°49  | 0°51          | 12°31            | 25°43 | 9°21   | 7°55          | 6°33          | 9°56          | S 16 |
| M17  | 23 40 57 | 23°24'50         | 29°39          | 10°30            | 7°14           | 11° 0          | 24°57          | 22°45  | 0°49          | 12°33            | 25°44 | 9°D21  | 7°52          | 6°40          | 9°R56         | M17  |
| T 18 | 23 44 54 | 24°23'23         | 13 <b>る</b> 46 | 12° 3            | 8°28           | 11°37          | 25° 9          | 22°42  | 0°47          | 12°35            | 25°45 | 9°22   | 7°49          | 6°46          | 9°56          | T 18 |
| W19  | 23 48 50 | 25°21'58         | 28° 8          | 13°35            | 9°42           | 12°15          | 25°21          | 22°38  | 0°45          | 12°38            | 25°46 | 9°23   | 7°45          | 6°53          | 9°56          | W19  |
| T 20 | 23 52 47 | 26°20'35         | 12≈42          | 15° 5            | 10°57          | 12°52          | 25°33          | 22°35  | 0°43          | 12°40            | 25°47 | 9°R23  | 7°42          | 7° 0          | 9°56          | T 20 |
| F 21 | 23 56 44 | 27°19'13         | 27°24          | 16°35            | 12°11          | 13°29          | 25°46          | 22°32  | 0°41          | 12°42            | 25°48 | 9°22   | 7°39          | 7° 6          | 9°55          | F 21 |
| S 22 | 0 0 40   | 28°17'52         | 12 <b>米</b> 9  | 18° 3            | 13°25          | 14° 6          | 25°58          | 22°28  | 0°39          | 12°44            | 25°49 | 9°18   | 7°36          | 7°13          | 9°55          | S 22 |
| S 23 | 0 4 37   | 29°16'34         | 26°50          | 19°31            | 14°40          | 14°43          | 26°10          | 22°25  | 0°37          | 12°46            | 25°50 | 9°13   | 7°33          | 7°20          | 9°55          | S 23 |
| M24  | 0 8 33   | 0 <b>≙</b> 15'17 | 11 <b>Υ</b> 19 | 20°57            | 15°54          | 15°20          | 26°22          | 22°22  | 0°35          | 12°48            | 25°50 | 9° 5   | 7°30          | 7°26          | 9°54          | M24  |
| T 25 | 0 12 30  | 1°14'03          | 25°29          | 22°22            | 17° 9          | 15°57          | 26°35          | 22°19  | 0°33          | 12°50            | 25°51 | 8°57   | 7°26          | 7°33          | 9°54          | T 25 |
| W26  | 0 16 26  | 2°12'51          | 9817           | 23°46            | 18°23          | 16°34          | 26°47          | 22°16  | 0°31          | 12°53            | 25°52 | 8°48   | 7°23          | 7°40          | 9°53          | W26  |
| T 27 | 0 20 23  | 3°11'41          | 22°38          | 25°10            | 19°38          | 17°11          | 27° 0          | 22°13  | 0°29          | 12°55            | 25°53 | 8°41   | 7°20          | 7°46          | 9°52          | T 27 |
| F 28 | 0 24 19  | 4°10'33          | 5 <b>Ⅱ</b> 35  | 26°31            | 20°52          | 17°48          | 27°12          | 22°11  | 0°27          | 12°57            | 25°54 | 8°35   | 7°17          | 7°53          | 9°52          | F 28 |
| S 29 | 0 28 16  | 5° 9'28          | 18° 9          | 27°52            | 22° 7          | 18°25          | 27°25          | 22° 8  | 0°25          | 12°59            | 25°54 | 8°31   | 7°14          | 7°59          | 9°51          | S 29 |
| S 30 | 0 32 12  | 6₽ 8'25          | 0ණ23           | 29 <b>≏</b> 12   | 23 <b>m</b> 22 | 19 <b>Ω</b> 2  | 27 <b>₽</b> 37 | 22≈ 5  | 0 <b>8</b> 23 | 13 <b>m</b> ) 1  | 25955 | 8≈30   | 7≈11          | 8 <b>N</b> 6  | 9 <b>耳</b> 50 | S 30 |

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| Day  | Sid.t   | 0               | D                                  | ğ              | φ             | ♂              | 4              | ħ      | )f(            | ¥               | Р      | v             | Ω    | Ç              | ç             | Day  |
|------|---------|-----------------|------------------------------------|----------------|---------------|----------------|----------------|--------|----------------|-----------------|--------|---------------|------|----------------|---------------|------|
| M 1  | 0 36 9  | 7 <b>♀</b> 7'24 | 129523                             | 0 <b>M</b> .30 | 24M)36        | 19 <b>Ω</b> 38 | 27 <b>♀</b> 50 | 22°R 3 | 0°R21          | 13 <b>m</b> ) 3 | 259556 | 8°D29         | 7≈ 7 | 8 <b>Ω</b> 13  | 9°R49         | M 1  |
| T 2  | 0 40 6  | 8° 6'25         | 24°14                              | 1°47           | 25°51         | 20°15          | 28° 2          | 22≈ 0  | 0818           | 13° 5           | 25°56  | 8 <b>≈</b> 30 | 7° 4 | 8°19           | 9 <b>∏</b> 48 | T 2  |
| W 3  | 0 44 2  | 9° 5'29         | 6 <b>Ω</b> 1                       | 3° 2           | 27° 6         | 20°51          | 28°15          | 21°58  | 0°16           | 13° 7           | 25°57  | 8°R31         | 7° 1 | 8°26           | 9°47          | W 3  |
| T 4  | 0 47 59 | 10° 4'35        | 17°50                              | 4°16           | 28°21         | 21°28          | 28°28          | 21°56  | 0°14           | 13° 9           | 25°58  | 8°30          | 6°58 | 8°33           | 9°46          | T 4  |
| F 5  | 0 51 55 | 11° 3'43        | 29°45                              | 5°29           | 29°35         | 22° 4          | 28°40          | 21°54  | 0°12           | 13°11           | 25°58  | 8°28          | 6°55 | 8°39           | 9°45          | F 5  |
| S 6  | 0 55 52 | 12° 2'53        | 11 <b>M</b> )49                    | 6°39           | 0 <b>ჲ</b> 50 | 22°41          | 28°53          | 21°51  | 0° 9           | 13°13           | 25°59  | 8°23          | 6°51 | 8°46           | 9°43          | S 6  |
| S 7  | 0 59 48 | 13° 2'06        | 24° 7                              | 7°48           | 2° 5          | 23°17          | 29° 6          | 21°49  | 0° 7           | 13°15           | 25°59  | 8°16          | 6°48 | 8°53           | 9°42          | S 7  |
| M 8  | 1 3 45  | 14° 1'20        | 6 <b>₾</b> 38                      | 8°55           | 3°20          | 23°53          | 29°19          | 21°48  | 0° 5           | 13°17           | 26° 0  | 8° 6          | 6°45 | 8°59           | 9°41          | M 8  |
| T 9  | 1 741   | 15° 0'37        | 19°25                              | 10° 0          | 4°35          | 24°30          | 29°32          | 21°46  | 0° 2           | 13°19           | 26° 0  | 7°55          | 6°42 | 9° 6           | 9°39          | T 9  |
| W10  | 1 11 38 | 15°59'56        | 2 <b>M</b> 27                      | 11° 3          | 5°50          | 25° 6          | 29°44          | 21°44  | 0° 0           | 13°21           | 26° 1  | 7°43          | 6°39 | 9°13           | 9°38          | W10  |
| T 11 | 1 15 35 | 16°59'17        | 15°42                              | 12° 3          | 7° 5          | 25°42          | 29°57          | 21°42  | 29 <b>Y</b> 58 | 13°23           | 26° 1  | 7°31          | 6°36 | 9°19           | 9°36          | T 11 |
| F 12 | 1 19 31 | 17°58'39        | 29° 8                              | 13° 0          | 8°19          | 26°18          | 0 <b>M</b> _10 | 21°41  | 29°55          | 13°25           | 26° 2  | 7°21          | 6°32 | 9°26           | 9°34          | F 12 |
| S 13 | 1 23 28 | 18°58'04        | 12 <b>×</b> 745                    | 13°54          | 9°34          | 26°54          | 0°23           | 21°39  | 29°53          | 13°27           | 26° 2  | 7°14          | 6°29 | 9°32           | 9°33          | S 13 |
| S 14 | 1 27 24 | 19°57'31        | 26°30                              | 14°45          | 10°49         | 27°30          | 0°36           | 21°38  | 29°51          | 13°29           | 26° 2  | 7°10          | 6°26 | 9°39           | 9°31          | S 14 |
| M15  | 1 31 21 | 20°56'59        | 10 <b>ට</b> 23                     | 15°33          | 12° 4         | 28° 6          | 0°49           | 21°37  | 29°48          | 13°31           | 26° 3  | 7° 8          | 6°23 | 9°46           | 9°29          | M15  |
| T 16 | 1 35 17 | 21°56'29        | 24°24                              | 16°16          | 13°19         | 28°41          | 1° 2           | 21°36  | 29°46          | 13°33           | 26° 3  | 7°D 7         | 6°20 | 9°52           | 9°27          | T 16 |
| W17  | 1 39 14 | 22°56'00        | 8≈32                               | 16°56          | 14°34         | 29°17          | 1°15           | 21°35  | 29°43          | 13°34           | 26° 3  | 7°R 7         | 6°17 | 9°59           | 9°25          | W17  |
| T 18 | 1 43 10 | 23°55'34        | 22°46                              | 17°30          | 15°50         | 29°53          | 1°28           | 21°34  | 29°41          | 13°36           | 26° 4  | 7° 7          | 6°13 | 10° 6          | 9°23          | T 18 |
| F 19 | 1 47 7  | 24°55'09        | 7 <b>∺</b> 4                       | 17°59          | 17° 5         | 0 <b>m</b> 28  | 1°41           | 21°33  | 29°38          | 13°38           | 26° 4  | 7° 4          | 6°10 | 10°12          | 9°21          | F 19 |
| S 20 | 1 51 4  | 25°54'45        | 21°23                              | 18°23          | 18°20         | 1° 4           | 1°54           | 21°32  | 29°36          | 13°40           | 26° 4  | 6°58          | 6° 7 | 10°19          | 9°19          | S 20 |
| S 21 | 1 55 0  | 26°54'24        | 5 <b>Ƴ</b> 39                      | 18°40          | 19°35         | 1°39           | 2° 7           | 21°32  | 29°33          | 13°41           | 26° 4  | 6°50          | 6° 4 | 10°26          | 9°17          | S 21 |
| M22  | 1 58 57 | 27°54'04        | 19°47                              | 18°50          | 20°50         | 2°14           | 2°20           | 21°31  | 29°31          | 13°43           | 26° 4  | 6°39          | 6° 1 | 10°32          | 9°14          | M22  |
| T 23 | 2 2 53  | 28°53'47        | 3 <b>8</b> 42                      | 18°R53         | 22° 5         | 2°50           | 2°33           | 21°31  | 29°29          | 13°45           | 26° 4  | 6°27          | 5°57 | 10°39          | 9°12          | T 23 |
| W24  | 2 6 50  | 29°53'31        | 17°18                              | 18°48          | 23°20         | 3°25           | 2°47           | 21°30  | 29°26          | 13°47           | 26° 5  | 6°14          | 5°54 | 10°46          | 9°10          | W24  |
| T 25 | 2 10 46 | OM 53'18        | 0 <b>Ⅱ</b> 34                      | 18°34          | 24°35         | 4° 0           | 3° 0           | 21°30  | 29°24          | 13°48           | 26° 5  | 6° 3          | 5°51 | 10°52          | 9° 7          | T 25 |
| F 26 | 2 14 43 | 1°53'06         | 13°28                              | 18°11          | 25°50         | 4°35           | 3°13           | 21°30  | 29°21          | 13°50           | 26° 5  | 5°53          | 5°48 | 10°59          | 9° 5          | F 26 |
| S 27 | 2 18 39 | 2°52'57         | 26° 1                              | 17°40          | 27° 6         | 5°10           | 3°26           | 21°D30 | 29°19          | 13°51           | 26° 5  | 5°46          | 5°45 | 11° 5          | 9° 2          | S 27 |
| S 28 | 2 22 36 | 3°52'50         | 89915                              | 16°59          | 28°21         | 5°45           | 3°39           | 21°30  | 29°16          | 13°53           | 26°R 5 | 5°42          | 5°42 | 11°12          | 9° 0          | S 28 |
| M29  | 2 26 33 | 4°52'45         | 20°16                              | 16° 9          | 29°36         | 6°20           | 3°52           | 21°30  | 29°14          | 13°55           | 26° 5  | 5°40          | 5°38 | 11°19          | 8°57          | M29  |
| T 30 | 2 30 29 | 5°52'43         | $2\Omega$ 7                        | 15°11          | 0 <b>M</b> 51 | 6°55           | 4° 5           | 21°30  | 29°11          | 13°56           | 26° 5  | 5°40          | 5°35 | 11°25          | 8°55          | T 30 |
| W31  | 2 34 26 | 6M52'42         | $13$ <b><math>\Omega</math></b> 55 | 14M 5          | 2 <b>m</b> 7  | 7 <b>m</b> 29  | 4 <b>M</b> .18 | 21≈31  | 29 <b>Y</b> 9  | 13 <b>m</b> 58  | 269 5  | 5≈40          | 5≈32 | 11 <b>Ω</b> 32 | 8 <b>Ⅱ</b> 52 | W31  |

NOVEMBER 1934 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ               | φ              | ♂      | 4              | ħ     | )∤(           | ¥              | В      | ů     | Ω    | Ç              | o<br>k         | Day  |
|------|---------|------------------|----------------|-----------------|----------------|--------|----------------|-------|---------------|----------------|--------|-------|------|----------------|----------------|------|
| T 1  | 2 38 22 | 7 <b>M</b> 52'44 | 25 <b>Ω</b> 44 | 12°R54          | 3M22           | 8Mp 4  | 4MJ31          | 21≈31 | 29°R 7        | 13 <b>m</b> 59 | 26°R 5 | 5°R39 | 5≈29 | 11 <b>Ω</b> 39 | 8°R49          | T 1  |
| F 2  | 2 42 19 | 8°52'47          | 7 <b>m</b> 41  | 11 <b>M</b> .38 | 4°37           | 8°39   | 4°44           | 21°32 | 29 <b>°</b> 4 | 14° 1          | 2695 4 | 5≈36  | 5°26 | 11°45          | 8∏46           | F 2  |
| S 3  | 2 46 15 | 9°52'53          | 19°50          | 10°20           | 5°52           | 9°13   | 4°58           | 21°33 | 29° 2         | 14° 2          | 26° 4  | 5°31  | 5°22 | 11°52          | 8°44           | S 3  |
| S 4  | 2 50 12 | 10°53'01         | 2 <b>₽</b> 15  | 9° 2            | 7° 8           | 9°47   | 5°11           | 21°33 | 28°59         | 14° 3          | 26° 4  | 5°23  | 5°19 | 11°59          | 8°41           | S 4  |
| M 5  | 2 54 8  | 11°53'11         | 14°59          | 7°47            | 8°23           | 10°22  | 5°24           | 21°34 | 28°57         | 14° 5          | 26° 4  | 5°13  | 5°16 | 12° 5          | 8°38           | M 5  |
| T 6  | 2 58 5  | 12°53'22         | 28° 3          | 6°37            | 9°38           | 10°56  | 5°37           | 21°35 | 28°55         | 14° 6          | 26° 4  | 5° 0  | 5°13 | 12°12          | 8°35           | T 6  |
| W 7  | 3 2 2   | 13°53'36         | 11 <b>M</b> 25 | 5°34            | 10°54          | 11°30  | 5°50           | 21°36 | 28°52         | 14° 8          | 26° 3  | 4°47  | 5°10 | 12°19          | 8°32           | W 7  |
| T 8  | 3 5 58  | 14°53'52         | 25° 5          | 4°41            | 12° 9          | 12° 4  | 6° 3           | 21°38 | 28°50         | 14° 9          | 26° 3  | 4°35  | 5° 7 | 12°25          | 8°29           | T 8  |
| F 9  | 3 9 55  | 15°54'09         | 8 <b>才</b> 57  | 3°58            | 13°24          | 12°38  | 6°16           | 21°39 | 28°48         | 14°10          | 26° 3  | 4°24  | 5° 3 | 12°32          | 8°26           | F 9  |
| S 10 | 3 13 51 | 16°54'28         | 22°59          | 3°26            | 14°40          | 13°12  | 6°29           | 21°40 | 28°45         | 14°11          | 26° 3  | 4°16  | 5° 0 | 12°39          | 8°23           | S 10 |
| S 11 | 3 17 48 | 17°54'48         | 7중 6           | 3° 6            | 15°55          | 13°46  | 6°42           | 21°42 | 28°43         | 14°13          | 26° 2  | 4°10  | 4°57 | 12°45          | 8°20           | S 11 |
| M12  | 3 21 44 | 18°55'10         | 21°15          | 2°D57           | 17°10          | 14°19  | 6°55           | 21°44 | 28°41         | 14°14          | 26° 2  | 4° 8  | 4°54 | 12°52          | 8°16           | M12  |
| T 13 | 3 25 41 | 19°55'34         | 5≈23           | 3° 0            | 18°26          | 14°53  | 7° 8           | 21°45 | 28°38         | 14°15          | 26° 2  | 4°D 7 | 4°51 | 12°58          | 8°13           | T 13 |
| W14  | 3 29 37 | 20°55'58         | 19°29          | 3°13            | 19°41          | 15°26  | 7°21           | 21°47 | 28°36         | 14°16          | 26° 1  | 4°R 8 | 4°48 | 13° 5          | 8°10           | W14  |
| T 15 | 3 33 34 | 21°56'24         | 3 <b>∺</b> 33  | 3°37            | 20°57          | 16° 0  | 7°34           | 21°49 | 28°34         | 14°17          | 26° 1  | 4° 7  | 4°44 | 13°12          | 8° 7           | T 15 |
| F 16 | 3 37 31 | 22°56'51         | 17°33          | 4° 9            | 22°12          | 16°33  | 7°47           | 21°51 | 28°32         | 14°18          | 26° 0  | 4° 5  | 4°41 | 13°18          | 8° 4           | F 16 |
| S 17 | 3 41 27 | 23°57'20         | 1 <b>Υ</b> 29  | 4°50            | 23°27          | 17° 6  | 8° 0           | 21°53 | 28°30         | 14°19          | 26° 0  | 4° 0  | 4°38 | 13°25          | 8° 0           | S 17 |
| S 18 | 3 45 24 | 24°57'49         | 15°19          | 5°38            | 24°43          | 17°39  | 8°12           | 21°55 | 28°28         | 14°20          | 25°59  | 3°52  | 4°35 | 13°32          | 7°57           | S 18 |
| M19  | 3 49 20 | 25°58'21         | 29° 0          | 6°32            | 25°58          | 18°12  | 8°25           | 21°58 | 28°25         | 14°21          | 25°59  | 3°42  | 4°32 | 13°38          | 7°54           | M19  |
| T 20 | 3 53 17 | 26°58'53         | 12829          | 7°33            | 27°14          | 18°45  | 8°38           | 22° 0 | 28°23         | 14°22          | 25°58  | 3°31  | 4°28 | 13°45          | 7°50           | T 20 |
| W21  | 3 57 13 | 27°59'27         | 25°45          | 8°38            | 28°29          | 19°18  | 8°51           | 22° 3 | 28°21         | 14°23          | 25°58  | 3°19  | 4°25 | 13°52          | 7°47           | W21  |
| T 22 | 4 1 10  | 29° 0'03         | 8 <b>Ⅱ</b> 45  | 9°47            | 29°44          | 19°50  | 9° 4           | 22° 5 | 28°19         | 14°24          | 25°57  | 3° 8  | 4°22 | 13°58          | 7°44           | T 22 |
| F 23 | 4 5 6   | 0 <b>≯</b> 0'40  | 21°28          | 11° 0           | 1 <b>×</b> 0   | 20°23  | 9°16           | 22° 8 | 28°17         | 14°25          | 25°56  | 2°59  | 4°19 | 14° 5          | 7°40           | F 23 |
| S 24 | 4 9 3   | 1° 1'18          | 3954           | 12°16           | 2°15           | 20°55  | 9°29           | 22°11 | 28°15         | 14°26          | 25°56  | 2°53  | 4°16 | 14°12          | 7°37           | S 24 |
| S 25 | 4 13 0  | 2° 1'58          | 16° 5          | 13°35           | 3°31           | 21°28  | 9°42           | 22°14 | 28°13         | 14°26          | 25°55  | 2°49  | 4°13 | 14°18          | 7°33           | S 25 |
| M26  | 4 16 56 | 3° 2'40          | 28° 4          | 14°56           | 4°46           | 22° 0  | 9°54           | 22°17 | 28°12         | 14°27          | 25°54  | 2°D47 | 4° 9 | 14°25          | 7°30           | M26  |
| T 27 | 4 20 53 | 4° 3'23          | 9 <b>Ω</b> 55  | 16°19           | 6° 1           | 22°32  | 10° 7          | 22°20 | 28°10         | 14°28          | 25°54  | 2°47  | 4° 6 | 14°32          | 7°27           | T 27 |
| W28  | 4 24 49 | 5° 4'07          | 21°42          | 17°43           | 7°17           | 23° 4  | 10°19          | 22°23 | 28° 8         | 14°29          | 25°53  | 2°48  | 4° 3 | 14°38          | 7°23           | W28  |
| T 29 | 4 28 46 | 6° 4'54          | 3 <b>m</b> 31  | 19° 9           | 8°32           | 23°36  | 10°32          | 22°26 | 28° 6         | 14°29          | 25°52  | 2°R49 | 4° 0 | 14°45          | 7°20           | T 29 |
| F 30 | 4 32 42 | 7 <b>√</b> 5'41  | 15 <b>m</b> 28 | 20 <b>M</b> .36 | 9 <b>.₹</b> 48 | 24M) 8 | 10 <b>M</b> 44 | 22≈30 | 28 <b>°</b> 4 | 14 <b>m</b> 30 | 25951  | 2≈48  | 3≈57 | 14 <b>Ω</b> 51 | 7 <b>I</b> I16 | F 30 |

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| Day  | Sid.t   | $\odot$          | D              | φ             | ·               | ď              | 4               | ħ     | )∦(            | ¥              | 5      | R     | Ω    | ţ              | Š             | Day  |
|------|---------|------------------|----------------|---------------|-----------------|----------------|-----------------|-------|----------------|----------------|--------|-------|------|----------------|---------------|------|
| S 1  | 4 36 39 | 8 <b>∡</b> 6'30  | 27 <b>m</b> 37 | 22 <b>M</b> 4 | 11 <b>×</b> 7 3 | 24 <b>m</b> 39 | 10 <b>M</b> 57  | 22≈33 | 28°R 3         | 14 Mp 30       | 25°R51 | 2°R46 | 3≈54 | 14 <b>Ω</b> 58 | 7°R13         | S 1  |
| S 2  | 4 40 35 | 9° 7'21          | 10 <b>♀</b> 3  | 23°33         | 12°19           | 25°11          | 11° 9           | 22°37 | 28 <b>Y</b> 1  | 14°31          | 25950  | 2≈42  | 3°50 | 15° 5          | 7 <b>I</b> 9  | S 2  |
| M 3  | 4 44 32 | 10° 8'12         | 22°51          | 25° 3         | 13°34           | 25°42          | 11°21           | 22°40 | 27°59          | 14°31          | 25°49  | 2°35  | 3°47 | 15°11          | 7° 6          | M 3  |
| T 4  | 4 48 29 | 11° 9'06         | 6M 3           | 26°33         | 14°49           | 26°13          | 11°34           | 22°44 | 27°58          | 14°32          | 25°48  | 2°27  | 3°44 | 15°18          | 7° 3          | T 4  |
| W 5  | 4 52 25 | 12°10'00         | 19°38          | 28° 4         | 16° 5           | 26°45          | 11°46           | 22°48 | 27°56          | 14°32          | 25°47  | 2°18  | 3°41 | 15°25          | 6°59          | W 5  |
| T 6  | 4 56 22 | 13°10'56         | 3 <b>₹</b> 36  | 29°35         | 17°20           | 27°15          | 11°58           | 22°52 | 27°54          | 14°33          | 25°46  | 2° 9  | 3°38 | 15°31          | 6°56          | T 6  |
| F 7  | 5 0 18  | 14°11'53         | 17°52          | 1 <b>才</b> 6  | 18°36           | 27°46          | 12°10           | 22°56 | 27°53          | 14°33          | 25°45  | 2° 2  | 3°34 | 15°38          | 6°52          | F 7  |
| S 8  | 5 4 15  | 15°12'51         | 2 <b>ප්</b> 20 | 2°38          | 19°51           | 28°17          | 12°22           | 23° 0 | 27°52          | 14°34          | 25°44  | 1°56  | 3°31 | 15°45          | 6°49          | S 8  |
| S 9  | 5 8 11  | 16°13'50         | 16°54          | 4° 9          | 21° 7           | 28°47          | 12°34           | 23° 4 | 27°50          | 14°34          | 25°43  | 1°53  | 3°28 | 15°51          | 6°45          | S 9  |
| M10  | 5 12 8  | 17°14'49         | 1≈29           | 5°42          | 22°22           | 29°18          | 12°46           | 23° 8 | 27°49          | 14°34          | 25°42  | 1°D52 | 3°25 | 15°58          | 6°42          | M10  |
| T 11 | 5 16 5  | 18°15'49         | 15°58          | 7°14          | 23°38           | 29°48          | 12°58           | 23°12 | 27°47          | 14°34          | 25°41  | 1°53  | 3°22 | 16° 5          | 6°39          | T 11 |
| W12  | 5 20 1  | 19°16'50         | 0 <b>∺</b> 17  | 8°46          | 24°53           | 0 <b>ჲ</b> 18  | 13°10           | 23°17 | 27°46          | 14°35          | 25°40  | 1°54  | 3°19 | 16°11          | 6°35          | W12  |
| T 13 | 5 23 58 | 20°17'51         | 14°26          | 10°19         | 26° 9           | 0°48           | 13°21           | 23°21 | 27°45          | 14°35          | 25°39  | 1°R55 | 3°15 | 16°18          | 6°32          | T 13 |
| F 14 | 5 27 54 | 21°18'53         | 28°22          | 11°51         | 27°24           | 1°18           | 13°33           | 23°26 | 27°44          | 14°35          | 25°38  | 1°55  | 3°12 | 16°25          | 6°29          | F 14 |
| S 15 | 5 31 51 | 22°19'55         | 12 <b>°</b> 5  | 13°24         | 28°39           | 1°47           | 13°45           | 23°30 | 27°43          | 14°35          | 25°37  | 1°53  | 3° 9 | 16°31          | 6°25          | S 15 |
| S 16 | 5 35 47 | 23°20'57         | 25°35          | 14°57         | 29°55           | 2°17           | 13°56           | 23°35 | 27°42          | 14°35          | 25°36  | 1°50  | 3° 6 | 16°38          | 6°22          | S 16 |
| M17  | 5 39 44 | 24°22'00         | 8 <b>8</b> 52  | 16°30         | 1 <b>궁</b> 10   | 2°46           | 14° 8           | 23°40 | 27°40          | 14°R35         | 25°35  | 1°44  | 3° 3 | 16°45          | 6°19          | M17  |
| T 18 | 5 43 40 | 25°23'03         | 21°57          | 18° 4         | 2°26            | 3°15           | 14°19           | 23°45 | 27°39          | 14°35          | 25°34  | 1°38  | 3° 0 | 16°51          | 6°16          | T 18 |
| W19  | 5 47 37 | 26°24'07         | 4 <b>Ⅱ</b> 49  | 19°37         | 3°41            | 3°44           | 14°31           | 23°50 | 27°39          | 14°35          | 25°33  | 1°32  | 2°56 | 16°58          | 6°13          | W19  |
| T 20 | 5 51 34 | 27°25'11         | 17°28          | 21°10         | 4°56            | 4°13           | 14°42           | 23°55 | 27°38          | 14°35          | 25°32  | 1°26  | 2°53 | 17° 4          | 6° 9          | T 20 |
| F 21 | 5 55 30 | 28°26'16         | 29°54          | 22°44         | 6°12            | 4°41           | 14°53           | 24° 0 | 27°37          | 14°35          | 25°31  | 1°21  | 2°50 | 17°11          | 6° 6          | F 21 |
| S 22 | 5 59 27 | 29°27'21         | 1295 9         | 24°18         | 7°27            | 5°10           | 15° 4           | 24° 5 | 27°36          | 14°35          | 25°30  | 1°17  | 2°47 | 17°18          | 6° 3          | S 22 |
| S 23 | 6 3 23  | 0중28'27          | 24°13          | 25°52         | 8°43            | 5°38           | 15°15           | 24°10 | 27°35          | 14°35          | 25°28  | 1°16  | 2°44 | 17°24          | 6° 0          | S 23 |
| M24  | 6 7 20  | 1°29'34          | 6 <b>N</b> 8   | 27°26         | 9°58            | 6° 6           | 15°26           | 24°15 | 27°34          | 14°34          | 25°27  | 1°D16 | 2°40 | 17°31          | 5°57          | M24  |
| T 25 | 6 11 16 | 2°30'40          | 17°57          | 29° 1         | 11°14           | 6°33           | 15°37           | 24°21 | 27°34          | 14°34          | 25°26  | 1°17  | 2°37 | 17°38          | 5°54          | T 25 |
| W26  | 6 15 13 | 3°31'48          | 29°44          | 0 <b>궁</b> 36 | 12°29           | 7° 1           | 15°48           | 24°26 | 27°33          | 14°34          | 25°25  | 1°18  | 2°34 | 17°44          | 5°51          | W26  |
| T 27 | 6 19 9  | 4°32'55          | 11 <b>m</b> 33 | 2°11          | 13°44           | 7°28           | 15°59           | 24°31 | 27°33          | 14°34          | 25°24  | 1°20  | 2°31 | 17°51          | 5°48          | T 27 |
| F 28 | 6 23 6  | 5°34'04          | 23°29          | 3°46          | 15° 0           | 7°56           | 16° 9           | 24°37 | 27°32          | 14°33          | 25°23  | 1°22  | 2°28 | 17°58          | 5°45          | F 28 |
| S 29 | 6 27 3  | 6°35'13          | 5 <b>Ω</b> 35  | 5°21          | 16°15           | 8°23           | 16°20           | 24°43 | 27°32          | 14°33          | 25°21  | 1°R22 | 2°25 | 18° 4          | 5°43          | S 29 |
| S 30 | 6 30 59 | 7°36'22          | 17°58          | 6°57          | 17°30           | 8°49           | 16°30           | 24°48 | 27°31          | 14°32          | 25°20  | 1°22  | 2°21 | 18°11          | 5°40          | S 30 |
| M31  | 6 34 56 | 8 <b>ට</b> 37'32 | 0 <b>M</b> .42 | 8 <b>云</b> 33 | 18 <b>る</b> 46  | 9 <b>≏</b> 16  | 16 <b>M</b> .41 | 24≈54 | 27 <b>Y</b> 31 | 14 <b>M</b> 32 | 25919  | 1≈20  | 2≈18 | 18 <b>Ω</b> 18 | 5 <b>Ⅱ</b> 37 | M31  |

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| Day          | Sid.t             | 0                    | D                          | ğ              | φ                     | ð              | 4               | ħ              | )Å(            | 卉               | В              | 'n            | Ω            | Ç               | ę,            | Day          |
|--------------|-------------------|----------------------|----------------------------|----------------|-----------------------|----------------|-----------------|----------------|----------------|-----------------|----------------|---------------|--------------|-----------------|---------------|--------------|
| T 1          | 6 38 52           | 9 <b>る</b> 38'42     | 13 <b>M</b> .51            | 10중10          | 20ට 1                 | 9 <b>≏</b> 42  | 16 <b>M</b> .51 | 25≈ 0          | 27°R31         | 14°R31          | 25°R18         | 1°R18         | 2≈15         | 18 <b>Ω</b> 24  | 5°R34         | T 1          |
| W 2          | 6 42 49           | 10°39'52             | 27°26                      | 11°47          | 21°17                 | 10° 8          | 17° 1           | 25° 6          | 27 <b>Y</b> 30 | 14 <b>m</b> /31 | 25916          | 1≈15          | 2°12         | 18°31           | 5 <b>∏</b> 32 | W 2          |
| T 3          | 6 46 45           | 11°41'03             | 11 <b>×</b> 28             | 13°24          | 22°32                 | 10°34          | 17°11           | 25°12          | 27°30          | 14°30           | 25°15          | 1°12          | 2° 9         | 18°38           | 5°29          | T 3          |
| F 4          | 6 50 42           | 12°42'14             | 25°54                      | 15° 1          | 23°47                 | 10°59          | 17°21           | 25°17          | 27°30          | 14°30           | 25°14          | 1° 9<br>1° 8  | 2° 6         | 18°44           | 5°26          | F 4<br>S 5   |
| S 5          | 6 54 38           | 13°43'25             | 10 <b>ට</b> 38             | 16°39          | 25° 3                 | 11°25          | 17°31           | 25°23          | 27°30          | 14°29           | 25°12          | _             | 2° 2         | 18°51           | 5°24          |              |
| S 6          | 6 58 35           | 14°44'36             | 25°35                      | 18°17          | 26°18                 | 11°50          | 17°41           | 25°30          | 27°D30         | 14°29           | 25°11          | 1°D 7         | 1°59         | 18°58           | 5°22          | S 6          |
| M 7          | 7 2 32            | 15°45'47             | 10≈35                      | 19°56          | 27°33                 | 12°15          | 17°50           | 25°36          | 27°30          | 14°28           | 25°10          | 1° 7          | 1°56         | 19° 4           | 5°19          | M 7          |
| T 8<br>W 9   | 7 6 28<br>7 10 25 | 16°46'58<br>17°48'08 | 25°30<br>10 <b>)</b> (13   | 21°35<br>23°14 | 28°49<br>0 <b>≈</b> 4 | 12°39<br>13° 3 | 18° 0<br>18° 9  | 25°42<br>25°48 | 27°30<br>27°30 | 14°27<br>14°27  | 25° 9<br>25° 7 | 1° 8<br>1° 9  | 1°53<br>1°50 | 19°11<br>19°17  | 5°17<br>5°14  | T 8<br>W 9   |
| T 10         | 7 10 23           | 17 48 08<br>18°49'17 | 24°39                      | 24°54          | 1°19                  | 13°27          | 18°19           | 25°54          | 27°30          | 14°26           | 25° 6          | 1°10          | 1°46         | 19 17<br>19°24  | 5°12          | T 10         |
| F 11         | 7 18 18           | 19°50'26             | 8 <b>Υ</b> 44              | 26°34          | 2°35                  | 13°51          | 18°28           | 26° 1          | 27°30          | 14°25           | 25° 5          | 1°10          | 1°43         | 19°31           | 5°10          | F 11         |
| S 12         | 7 22 14           | 20°51'34             | 22°29                      | 28°14          | 3°50                  | 14°14          | 18°37           | 26° 7          | 27°31          | 14°24           | 25° 3          | 1°R11         | 1°40         | 19°37           | 5° 8          | S 12         |
| S 13         | 7 26 11           | 21°52'42             | 5 <b>8</b> 52              | 29°54          | 5° 5                  | 14°37          | 18°46           | 26°13          | 27°31          | 14°23           | 25° 2          | 1°10          | 1°37         | 19°44           | 5° 6          | S 13         |
| M14          | 7 30 7            | 22°53'49             | 18°57                      | 1≈35           | 6°20                  | 15° 0          | 18°55           | 26°20          | 27°31          | 14°22           | 25° 1          | 1°10          | 1°34         | 19°51           | 5° 4          | M14          |
| T 15         | 7 34 4            | 23°54'56             | 1 <b>Ⅱ</b> 44              | 3°16           | 7°36                  | 15°23          | 19° 4           | 26°26          | 27°32          | 14°22           | 24°59          | 1° 9          | 1°31         | 19°57           | 5° 2          | T 15         |
| W16          | 7 38 1            | 24°56'01             | 14°17                      | 4°57           | 8°51                  | 15°45          | 19°12           | 26°33          | 27°32          | 14°21           | 24°58          | 1°8           | 1°27         | 20° 4           | 5° 0          | W16          |
| T 17         | 7 41 57           | 25°57'07             | 26°38                      | 6°38           | 10° 6                 | 16° 7          | 19°21           | 26°39          | 27°33          | 14°20           | 24°57          | 1° 7          | 1°24         | 20°11           | 4°58          | T 17         |
| F 18<br>S 19 | 7 45 54           | 26°58'11             | 8948                       | 8°19<br>10° 0  | 11°21<br>12°36        | 16°28          | 19°29<br>19°38  | 26°46          | 27°33<br>27°34 | 14°19<br>14°18  | 24°56          | 1° 6<br>1° 6  | 1°21<br>1°18 | 20°17<br>20°24  | 4°57          | F 18<br>S 19 |
|              | 7 49 50           | 27°59'15             | 20°50                      |                |                       | 16°49          |                 | 26°53          |                | _               | 24°54          | -             |              | -               | 4°55          |              |
| S 20         | 7 53 47           | 29° 0'18             | 2 <b>Ω</b> 45              | 11°41          | 13°52                 | 17°10          | 19°46           | 26°59          | 27°35          | 14°17           | 24°53          | 1°D 6         | 1°15         | 20°31           | 4°53          | S 20         |
| M21<br>T 22  | 7 57 43<br>8 1 40 | 0≈ 1'21<br>1° 2'23   | 14°36<br>26°24             | 13°20<br>15° 0 | 15° 7<br>16°22        | 17°31<br>17°51 | 19°54<br>20° 2  | 27° 6<br>27°13 | 27°35<br>27°36 | 14°16<br>14°14  | 24°52<br>24°50 | 1° 6<br>1°R 6 | 1°12<br>1° 8 | 20°37<br>20°44  | 4°52<br>4°50  | M21<br>T 22  |
| W23          | 8 5 37            | 2° 3'24              | 8 m 12                     | 16°38          | 16°22<br>17°37        | 18°11          | 20° 2<br>20°10  | 27°13          | 27°37          | 14°14<br>14°13  | 24°49          | 1° 6          | 1° 5         | 20°44<br>20°51  | 4°49          | W23          |
| T 24         | 8 9 33            | 3° 4'24              | 20° 3                      | 18°15          | 18°52                 | 18°30          | 20°17           | 27°27          | 27°38          | 14°12           | 24°48          | 1° 6          | 1° 2         | 20°57           | 4°47          | T 24         |
| F 25         | 8 13 30           | 4° 5'24              | 2 <b>♀</b> 0               | 19°50          | 20° 7                 | 18°49          | 20°25           | 27°33          | 27°39          | 14°11           | 24°46          | 1° 6          | 0°59         | 21° 4           | 4°46          | F 25         |
| S 26         | 8 17 26           | 5° 6'24              | 14° 7                      | 21°23          | 21°22                 | 19° 8          | 20°32           | 27°40          | 27°40          | 14°10           | 24°45          | 1° 5          | 0°56         | 21°11           | 4°45          | S 26         |
| S 27         | 8 21 23           | 6° 7'23              | 26°28                      | 22°54          | 22°37                 | 19°26          | 20°39           | 27°47          | 27°41          | 14° 9           | 24°44          | 1° 5          | 0°52         | 21°17           | 4°44          | S 27         |
| M28          | 8 25 19           | 7° 8'21              | 9 <b>™</b> 7               | 24°21          | 23°52                 | 19°44          | 20°46           | 27°54          | 27°42          | 14° 7           | 24°42          | 1°D 5         | 0°49         | 21°24           | 4°43          | M28          |
| T 29         | 8 29 16           | 8° 9'19              | 22° 7                      | 25°45          | 25° 8                 | 20° 1          | 20°53           | 28° 1          | 27°43          | 14° 6           | 24°41          | 1° 5          | 0°46         | 21°31           | 4°42          | T 29         |
| W30          | 8 33 12           | 9°10'16              | 5 <b>×</b> <sup>7</sup> 33 | 27° 5          | 26°23                 | 20°18          | 21° 0           | 28° 8          | 27°44          | 14° 5           | 24°40          | 1° 6          | 0°43         | 21°37           | 4°41          | W30          |
| T 31         | 8 37 9            | 10≈11'13             | 19 <b>∡</b> 726            | 28≈20          | 27≈38                 | 20 <b>ჲ</b> 35 | 21 <b>M</b> 7   | 28≈15          | 27 <b>Y</b> 46 | 14Mp 4          | 24939          | 1≈ 6          | 0≈40         | 21 <b>\O</b> 44 | 4 <b>∏</b> 40 | T 31         |

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|------|----------|------------------|-----------------|---------------|---------------|----------------|----------------|---------------|----------------|----------------|--------|-------|----------------|----------------|-------|------|
| F 1  | 8 41 6   | 11≈12'08         | 3 <b>る</b> 45   | 29≈30         | 28≈53         | 20 <b>≏</b> 51 | 21 <b>M</b> 13 | 28≈22         | 27 <b>Y</b> 47 | 14°R 2         | 24°R37 | 1≈ 7  | 0≈37           | 21251          | 4°R39 | F 1  |
| S 2  | 8 45 2   | 12°13'03         | 18°29           | 0 <b>∺</b> 33 | 0 <b>∺</b> 7  | 21° 6          | 21°20          | 28°29         | 27°48          | 14 Mp 1        | 24936  | 1° 8  | 0°33           | 21°57          | 4∏38  | S 2  |
| S 3  | 8 48 59  | 13°13'57         | 3≈31            | 1°28          | 1°22          | 21°21          | 21°26          | 28°37         | 27°50          | 13°59          | 24°35  | 1°R 8 | 0°30           | 22° 4          | 4°38  | S 3  |
| M 4  | 8 52 55  | 14°14'50         | 18°43           | 2°16          | 2°37          | 21°36          | 21°32          | 28°44         | 27°51          | 13°58          | 24°34  | 1° 8  | 0°27           | 22°10          | 4°37  | M 4  |
| T 5  | 8 56 52  | 15°15'41         | 3 <b>¥</b> 56   | 2°55          | 3°52          | 21°50          | 21°38          | 28°51         | 27°53          | 13°57          | 24°32  | 1° 7  | 0°24           | 22°17          | 4°36  | T 5  |
| W 6  | 9 0 48   | 16°16'32         | 19° 0           | 3°24          | 5° 7          | 22° 4          | 21°44          | 28°58         | 27°54          | 13°55          | 24°31  | 1° 5  | 0°21           | 22°24          | 4°36  | W 6  |
| T 7  | 9 4 45   | 17°17'20         | 3 <b>Ƴ</b> 46   | 3°43          | 6°22          | 22°17          | 21°49          | 29° 5         | 27°56          | 13°54          | 24°30  | 1° 3  | 0°18           | 22°30          | 4°36  | T 7  |
| F 8  | 9 8 41   | 18°18'08         | 18° 9           | 3°R52         | 7°37          | 22°30          | 21°55          | 29°12         | 27°57          | 13°52          | 24°29  | 1° 1  | 0°14           | 22°37          | 4°35  | F 8  |
| S 9  | 9 12 38  | 19°18'54         | 2 <b>8</b> 5    | 3°50          | 8°52          | 22°42          | 22° 0          | 29°20         | 27°59          | 13°51          | 24°28  | 0°59  | 0°11           | 22°44          | 4°35  | S 9  |
| S 10 | 9 16 35  | 20°19'38         | 15°33           | 3°37          | 10° 6         | 22°53          | 22° 5          | 29°27         | 28° 1          | 13°49          | 24°27  | 0°D58 | 0° 8           | 22°50          | 4°35  | S 10 |
| M11  | 9 20 31  | 21°20'21         | 28°37           | 3°14          | 11°21         | 23° 4          | 22°10          | 29°34         | 28° 2          | 13°48          | 24°25  | 0°58  | 0° 5           | 22°57          | 4°35  | M11  |
| T 12 | 9 24 28  | 22°21'02         | 11 <b>II</b> 18 | 2°40          | 12°36         | 23°15          | 22°15          | 29°41         | 28° 4          | 13°46          | 24°24  | 0°59  | 0° 2           | 23° 4          | 4°D35 | T 12 |
| W13  | 9 28 24  | 23°21'41         | 23°42           | 1°57          | 13°51         | 23°25          | 22°20          | 29°48         | 28° 6          | 13°45          | 24°23  | 1° 1  | 29 <b>궁</b> 58 | 23°10          | 4°35  | W13  |
| T 14 | 9 32 21  | 24°22'19         | 5951            | 1° 6          | 15° 5         | 23°34          | 22°24          | 29°56         | 28° 8          | 13°43          | 24°22  | 1° 3  | 29°55          | 23°17          | 4°35  | T 14 |
| F 15 | 9 36 17  | 25°22'55         | 17°50           | 0° 8          | 16°20         | 23°43          | 22°28          | 0 <b>)</b> 3  | 28°10          | 13°42          | 24°21  | 1° 4  | 29°52          | 23°24          | 4°35  | F 15 |
| S 16 | 9 40 14  | 26°23'30         | 29°43           | 29≈ 5         | 17°34         | 23°51          | 22°32          | 0°10          | 28°12          | 13°40          | 24°20  | 1°R 5 | 29°49          | 23°30          | 4°35  | S 16 |
| S 17 | 9 44 10  | 27°24'03         | 11 <b>Ω</b> 32  | 27°58         | 18°49         | 23°58          | 22°36          | 0°18          | 28°14          | 13°39          | 24°19  | 1° 4  | 29°46          | 23°37          | 4°36  | S 17 |
| M18  | 9 48 7   | 28°24'34         | 23°20           | 26°50         | 20° 3         | 24° 5          | 22°40          | 0°25          | 28°16          | 13°37          | 24°18  | 1° 2  | 29°43          | 23°44          | 4°36  | M18  |
| T 19 | 9 52 4   | 29°25'04         | 5 <b>m</b> ) 9  | 25°42         | 21°18         | 24°11          | 22°44          | 0°32          | 28°18          | 13°35          | 24°17  | 0°59  | 29°39          | 23°50          | 4°37  | T 19 |
| W20  | 9 56 0   | 0 <b>∺</b> 25'32 | 17° 1           | 24°36         | 22°32         | 24°17          | 22°47          | 0°39          | 28°20          | 13°34          | 24°16  | 0°54  | 29°36          | 23°57          | 4°37  | W20  |
| T 21 | 9 59 57  | 1°25'59          | 28°59           | 23°33         | 23°47         | 24°22          | 22°50          | 0°47          | 28°22          | 13°32          | 24°15  | 0°49  | 29°33          | 24° 4          | 4°38  | T 21 |
| F 22 | 10 3 53  | 2°26'24          | 11 <b>♀</b> 3   | 22°35         | 25° 1         | 24°26          | 22°54          | 0°54          | 28°25          | 13°31          | 24°14  | 0°43  | 29°30          | 24°10          | 4°39  | F 22 |
| S 23 | 10 7 50  | 3°26'47          | 23°16           | 21°42         | 26°16         | 24°30          | 22°56          | 1° 1          | 28°27          | 13°29          | 24°13  | 0°38  | 29°27          | 24°17          | 4°39  | S 23 |
| S 24 | 10 11 46 | 4°27'10          | 5 <b>M</b> .41  | 20°56         | 27°30         | 24°33          | 22°59          | 1° 8          | 28°29          | 13°27          | 24°12  | 0°33  | 29°24          | 24°24          | 4°40  | S 24 |
| M25  | 10 15 43 | 5°27'30          | 18°20           | 20°16         | 28°44         | 24°35          | 23° 2          | 1°16          | 28°32          | 13°26          | 24°11  | 0°30  | 29°20          | 24°30          | 4°41  | M25  |
| T 26 | 10 19 39 | 6°27'50          | 1 <b>才</b> 16   | 19°44         | 29°58         | 24°36          | 23° 4          | 1°23          | 28°34          | 13°24          | 24°10  | 0°D29 | 29°17          | 24°37          | 4°42  | T 26 |
| W27  | 10 23 36 | 7°28'08          | 14°33           | 19°19         | 1 <b>Υ</b> 13 | 24°37          | 23° 6          | 1°30          | 28°36          | 13°22          | 24° 9  | 0°29  | 29°14          | 24°44          | 4°43  | W27  |
| T 28 | 10 27 33 | 8 <b>∺</b> 28'25 | 28 <b>×</b> 13  | 19≈ 2         | 2 <b>Y</b> 27 | 24°R37         | 23M 8          | 1 <b>)</b> 38 | 28 <b>Y</b> 39 | 13 <b>m</b> 21 | 2495 8 | 0≈30  | 29 <b>궁</b> 11 | 24 <b>Ω</b> 50 | 4∐44  | T 28 |

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| Day         | Sid.t                | 0                    | D                       | ğ                            | Ŷ              | ♂              | 4               | ħ               | ) <b>f</b> (          | 卉                | В              | ß                      | v              | ţ                   | ę,            | Day         |
|-------------|----------------------|----------------------|-------------------------|------------------------------|----------------|----------------|-----------------|-----------------|-----------------------|------------------|----------------|------------------------|----------------|---------------------|---------------|-------------|
| F 1         | 10 31 29             | 9 <b>)</b> 28'40     | 12 <b>궁</b> 18          | 18°R51                       | <b>3</b> Υ41   | 24°R36         | 23 <b>M</b> .10 | 1 <b>) (</b> 45 | 28 <b>Y</b> 41        | 13°R19           | 24°R 7         | 0≈31                   | 29중 8          | 24 <b>Ω</b> 57      | 4 <b>Ⅱ</b> 46 | F 1         |
| S 2         | 10 35 26             | 10°28'54             | 26°46                   | 18°D47                       | 4°55           | 24 <b>Ω</b> 35 | 23°12           | 1°52            | 28°44                 | 13 <b>m</b> ) 17 | 2495 6         | 0°R32                  | 29° 4          | 25° 4               | 4°47          | S 2         |
| S 3         | 10 39 22             | 11°29'06             | 11≈36                   | 18≈50                        | 6° 9           | 24°32          | 23°13           | 1°59            | 28°46                 | 13°16            | 24° 5          | 0°32                   | 29° 1          | 25°10               | 4°48          | S 3         |
| M 4         | 10 43 19             | 12°29'16             | 26°42                   | 18°59                        | 7°23           | 24°29          | 23°14           | 2° 7            | 28°49                 | 13°14            | 24° 5          | 0°29                   | 28°58          | 25°17               | 4°50          | M 4         |
| T 5         | 10 47 15             | 13°29'25             | 11 <b>米</b> 54          | 19°14                        | 8°37           | 24°26          | 23°15           | 2°14            | 28°52                 | 13°12            | 24° 4          | 0°25                   | 28°55          | 25°24               | 4°51          | T 5         |
| W 6         | 10 51 12             | 14°29'32             | 27° 4                   | 19°34                        | 9°51           | 24°21          | 23°16           | 2°21            | 28°54                 | 13°11            | 24° 3          | 0°19                   | 28°52          | 25°30               | 4°53          | W 6         |
| T 7         | 10 55 8              | 15°29'37             | 12 <b>Υ</b> 1           | 20° 0                        | 11° 5          | 24°16          | 23°17           | 2°28            | 28°57                 | 13° 9            | 24° 2          | 0°12                   | 28°49          | 25°37               | 4°54          | T 7         |
| F 8<br>S 9  | 10 59 5              | 16°29'40             | 26°36<br>10 <b>8</b> 43 | 20°30<br>21° 5               | 12°19<br>13°33 | 24°10          | 23°17           | 2°35            | 29° 0<br>29° 2        | 13° 7<br>13° 6   | 24° 1<br>24° 1 | 0° 5<br>29 <b>る</b> 58 | 28°45          | 25°44               | 4°56          | F 8<br>S 9  |
|             | 11 3 1               | 17°29'40             | _                       | -                            |                | 24° 3          | 23°18           | 2°42            |                       |                  |                | _                      | 28°42          | 25°50               | 4°58          | ~ /         |
| S 10        | 11 6 58              | 18°29'39             | 24°22                   | 21°44                        | 14°47          | 23°55          | 23°R18          | 2°50            | 29° 5                 | 13° 4            | 24° 0          | 29°54                  | 28°39          | 25°57               | 5° 0          | S 10        |
| M11         | 11 10 55             | 19°29'36             | 7 <b>Ⅱ</b> 31           | 22°27                        | 16° 0          | 23°47          | 23°18           | 2°57            | 29° 8                 | 13° 2            | 23°59          | 29°51                  | 28°36          | 26° 4               | 5° 1<br>5° 3  | M11         |
| T 12<br>W13 | 11 14 51<br>11 18 48 | 20°29'30<br>21°29'22 | 20°15<br>2 <b>©</b> 38  | 23°14<br>24° 4               | 17°14<br>18°28 | 23°37<br>23°27 | 23°17<br>23°17  | 3° 4<br>3°11    | 29°11<br>29°14        | 13° 1<br>12°59   | 23°59<br>23°58 | 29°D50<br>29°51        | 28°33<br>28°30 | 26°10<br>26°17      | 5° 3<br>5° 5  | T 12<br>W13 |
| T 14        | 11 18 48             | 21 29 22<br>22°29'12 | 2938<br>14°44           | 24°58                        | 18 28<br>19°41 | 23°17          | 23°16           | 3°18            | 29°17                 | 12°57            | 23°57          | 29°52                  | 28°26          | 26°24               | 5° 8          | T 14        |
| F 15        | 11 26 41             | 23°29'00             | 26°39                   | 25°54                        | 20°55          | 23° 5          | 23°16           | 3°25            | 29°19                 | 12°56            | 23°57          | 29°R53                 | 28°23          | 26°30               | 5°10          | F 15        |
| S 16        | 11 30 37             | 24°28'45             | 8 <b>Ω</b> 28           | 26°53                        | 22° 8          | 22°53          | 23°15           | 3°32            | 29°22                 | 12°54            | 23°56          | 29°52                  | 28°20          | 26°37               | 5°12          | S 16        |
| S 17        | 11 34 34             | 25°28'29             | 20°14                   | 27°55                        | 23°22          | 22°40          | 23°13           | 3°39            | 29°25                 | 12°52            | 23°56          | 29°50                  | 28°17          | 26°43               | 5°14          | S 17        |
| M18         | 11 38 30             | 26°28'10             | 2m 3                    | 28°59                        | 24°35          | 22°26          | 23°12           | 3°46            | 29°28                 | 12°51            | 23°55          | 29°45                  | 28°14          | 26°50               | 5°16          | M18         |
| T 19        | 11 42 27             | 27°27'49             | 13°55                   | 0 <b>∀</b> 6                 | 25°48          | 22°12          | 23°10           | 3°53            | 29°31                 | 12°49            | 23°55          | 29°38                  | 28°10          | 26°57               | 5°19          | T 19        |
| W20         | 11 46 24             | 28°27'26             | 25°55                   | 1°15                         | 27° 2          | 21°57          | 23° 9           | 3°59            | 29°34                 | 12°48            | 23°54          | 29°28                  | 28° 7          | 27° 3               | 5°21          | W20         |
| T 21        | 11 50 20             | 29°27'01             | 8 <b>₾</b> 2            | 2°26                         | 28°15          | 21°41          | 23° 7           | 4° 6            | 29°38                 | 12°46            | 23°54          | 29°17                  | 28° 4          | 27°10               | 5°24          | T 21        |
| F 22        | 11 54 17             | 0 <b>Υ</b> 26'33     | 20°18                   | 3°39                         | 29°28          | 21°24          | 23° 5           | 4°13            | 29°41                 | 12°44            | 23°53          | 29° 5                  | 28° 1          | 27°17               | 5°26          | F 22        |
| S 23        | 11 58 13             | 1°26'04              | 2 <b>M</b> .45          | 4°54                         | 0 <b>8</b> 41  | 21° 7          | 23° 2           | 4°20            | 29°44                 | 12°43            | 23°53          | 28°54                  | 27°58          | 27°23               | 5°29          | S 23        |
| S 24        | 12 2 10              | 2°25'34              | 15°21                   | 6°11                         | 1°54           | 20°50          | 23° 0           | 4°27            | 29°47                 | 12°41            | 23°53          | 28°45                  | 27°55          | 27°30               | 5°32          | S 24        |
| M25         | 12 6 6               | 3°25'01              | 28°10                   | 7°30                         | 3° 7           | 20°31          | 22°57           | 4°33            | 29°50                 | 12°40            | 23°52          | 28°37                  | 27°51          | 27°37               | 5°34          | M25         |
| T 26        | 12 10 3              | 4°24'27              | 11 🗷 12                 | 8°51                         | 4°20           | 20°12          | 22°54           | 4°40            | 29°53                 | 12°38            | 23°52          | 28°32                  | 27°48          | 27°43               | 5°37          | T 26        |
| W27<br>T 28 | 12 13 59<br>12 17 56 | 5°23'51<br>6°23'13   | 24°29<br>8 <b>♂</b> 4   | 10°13<br>11°37               | 5°33<br>6°46   | 19°53<br>19°33 | 22°51<br>22°48  | 4°47<br>4°53    | 29°56<br>29°59        | 12°37<br>12°35   | 23°52<br>23°51 | 28°30<br>28°D29        | 27°45<br>27°42 | 27°50<br>27°57      | 5°40<br>5°43  | W27<br>T 28 |
| F 29        | 12 1 / 56            | 6°23'13<br>7°22'33   | 21°56                   | 11°37<br>13° 2               | 7°59           | 19°33          | 22°48<br>22°45  | 4°53<br>5° 0    | 29°59<br>0 <b>8</b> 3 | 12°35<br>12°34   | 23°51<br>23°51 | 28°D29<br>28°R30       | 27°42<br>27°39 | 2/°5/<br>28° 3      | 5°43<br>5°46  | F 29        |
| S 30        | 12 21 33             | 8°21'52              | 21 36<br>6 <b>≈</b> 8   | 13 2<br>14°29                | 9°11           | 19 13<br>18°52 | 22°41           | 5° 6            | 0° 6                  | 12°32            | 23°51          | 28°30                  | 27°35          | 28°10               | 5°49          | S 30        |
| S 31        | 12 29 46             | 9 <b>Υ</b> 21'09     | 20≈39                   | 15 <b>\(\frac{1}{5}\)</b> 58 | 10824          | 18 <b>Ω</b> 30 | 22MJ38          | 5 <b>∺</b> 13   | 08 9                  | 12 m/31          | 23951          | 28 <b>ට</b> 28         | 27 <b>ප</b> 32 | 28 <b>\Omega</b> 17 | 5 <b>∏</b> 52 | S 31        |

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| Day          | Sid.t                | $\odot$              | D                      | φ              | φ               | o <sup>7</sup> | 4               | ħ             | )Å(           | ¥                | 2              | ß              | Ω              | ţ              | Š             | Day          |
|--------------|----------------------|----------------------|------------------------|----------------|-----------------|----------------|-----------------|---------------|---------------|------------------|----------------|----------------|----------------|----------------|---------------|--------------|
| M 1          | 12 33 42             | 10 <b>Y</b> 20'23    | 5 <b>∺</b> 25          | 17 <b>)</b> 28 | 11 <b>8</b> 37  | 18°R 9         | 22°R34          | 5 <b>米</b> 19 | 0813          | 12°R29           | 23°R51         | 28°R24         | 27 <b>る</b> 29 | 28 <b>N</b> 23 | 5 <b>Ⅱ</b> 55 | M 1          |
| T 2          | 12 37 39             | 11°19'37             | 20°20                  | 19° 0          | 12°49           | 17 <b>Ω</b> 47 | 22M30           | 5°26          | 0°16          | 12 Mp 28         | 23950          | 28 <b>궁</b> 17 | 27°26          | 28°30          | 5°58          | T 2          |
| W 3<br>T 4   | 12 41 35<br>12 45 32 | 12°18'48<br>13°17'57 | 5 <b>Υ</b> 16<br>20° 5 | 20°33<br>22° 7 | 14° 2<br>15°14  | 17°24<br>17° 2 | 22°25<br>22°21  | 5°32<br>5°38  | 0°19<br>0°23  | 12°26<br>12°25   | 23°50<br>23°50 | 28° 7<br>27°56 | 27°23<br>27°20 | 28°37<br>28°43 | 6° 2<br>6° 5  | W 3<br>T 4   |
| F 5          | 12 45 32             | 13°17'37<br>14°17'04 | 4 <b>8</b> 38          | 23°44          | 16°26           | 16°39          | 22°16           | 5°44          | 0°26          | 12°23            | 23°50<br>23°50 | 27°45          | 27°16          | 28°50          | 6° 5<br>6° 8  | T 4<br>F 5   |
| S 6          | 12 53 25             | 15°16'09             | 18°47                  | 25°21          | 17°39           | 16°16          | 22°12           | 5°51          | 0°29          | 12°22            | 23°50          | 27°35          | 27°13          | 28°57          | 6°12          | S 6          |
| S 7          | 12 57 22             | 16°15'12             | 2Ⅱ29                   | 27° 0          | 18°51           | 15°53          | 22° 7           | 5°57          | 0°33          | 12°21            | 23°D50         | 27°26          | 27°10          | 29° 3          | 6°15          | S 7          |
| M 8          | 13 1 18              | 17°14'13             | 15°43                  | 28°41          | 20° 3           | 15°30          | 22° 2           | 6° 3          | 0°36          | 12°20            | 23°50          | 27°20          | 27° 7          | 29°10          | 6°19          | M 8          |
| T 9          | 13 5 15              | 18°13'11             | 28°32                  | 0 <b>Υ</b> 23  | 21°15           | 15° 7          | 21°57           | 6° 9          | 0°39          | 12°18            | 23°50          | 27°17          | 27° 4          | 29°17          | 6°22          | T 9          |
| W10          | 13 9 11              | 19°12'07             | 10957                  | 2° 6           | 22°27           | 14°44          | 21°52           | 6°15          | 0°43          | 12°17            | 23°50          | 27°16          | 27° 1          | 29°23          | 6°26          | W10          |
| T 11<br>F 12 | 13 13 8<br>13 17 4   | 20°11'01<br>21° 9'52 | 23° 5<br>5 <b>Ω</b> 1  | 3°51<br>5°38   | 23°39<br>24°51  | 14°21<br>13°58 | 21°46<br>21°41  | 6°21<br>6°27  | 0°46<br>0°50  | 12°16<br>12°15   | 23°50<br>23°50 | 27°16<br>27°15 | 26°57<br>26°54 | 29°30<br>29°37 | 6°29<br>6°33  | T 11<br>F 12 |
| S 13         | 13 17 4              | 21° 9'32<br>22° 8'41 | 16°50                  | 7°26           | 24°51<br>26° 2  | 13°35          | 21°41<br>21°35  | 6°27<br>6°33  | 0°53          | 12°13            | 23°51          | 27°13          | 26°54<br>26°51 | 29°37<br>29°43 | 6°37          | S 13         |
|              | _                    | -                    |                        |                | _               |                |                 |               |               | _                |                |                |                |                |               |              |
| S 14         | 13 24 57             | 23° 7'28             | 28°38                  | 9°16           | 27°14           | 13°13          | 21°29           | 6°38          | 0°56          | 12°12            | 23°51          | 27°11          | 26°48          | 29°50          | 6°41          | S 14         |
| M15          | 13 28 54             | 24° 6'13             | 1011029                | 11° 7          | 28°26           | 12°50          | 21°23           | 6°44          | 1° 0<br>1° 3  | 12°11            | 23°51          | 27° 5          | 26°45          | 29°57          | 6°44          | M15          |
| T 16<br>W17  | 13 32 51<br>13 36 47 | 25° 4'56<br>26° 3'36 | 22°26<br>4 <u>0</u> 34 | 12°59<br>14°54 | 29°37<br>0∏49   | 12°28<br>12° 7 | 21°17<br>21°11  | 6°50<br>6°55  | 1° 3          | 12°10<br>12° 9   | 23°51<br>23°51 | 26°57<br>26°46 | 26°41<br>26°38 | 0 Mp 3<br>0°10 | 6°48<br>6°52  | T 16<br>W17  |
| T 18         | 13 40 44             | 20° 3'30° 2'14       | 16°52                  | 16°49          | 2° 0            | 11°45          | 21° 5           | 7° 1          | 1°10          | 12° 8            | 23°52          | 26°33          | 26°35          | 0°17           | 6°56          | T 18         |
| F 19         | 13 44 40             | 28° 0'51             | 29°23                  | 18°47          | 3°11            | 11°25          | 20°58           | 7° 6          | 1°14          | 12° 7            | 23°52          | 26°19          | 26°32          | 0°23           | 7° 0          | F 19         |
| S 20         | 13 48 37             | 28°59'25             | 12 <b>m</b> 7          | 20°45          | 4°23            | 11° 4          | 20°52           | 7°12          | 1°17          | 12° 6            | 23°52          | 26° 6          | 26°29          | 0°30           | 7° 4          | S 20         |
| S 21         | 13 52 33             | 29°57'58             | 25° 3                  | 22°46          | 5°34            | 10°44          | 20°45           | 7°17          | 1°20          | 12° 5            | 23°52          | 25°54          | 26°26          | 0°37           | 7° 8          | S 21         |
| M22          | 13 56 30             | 0 <b>8</b> 56'29     | 8 <b>∡</b> 10          | 24°47          | 6°45            | 10°25          | 20°38           | 7°23          | 1°24          | 12° 4            | 23°53          | 25°45          | 26°22          | 0°43           | 7°12          | M22          |
| T 23         | 14 0 26              | 1°54'58              | 2 <u>1</u> °28         | 26°50          | 7°56            | 10° 6          | 20°31           | 7°28          | 1°27          | 12° 3            | 23°53          | 25°39          | 26°19          | 0°50           | 7°16          | T 23         |
| W24          | 14 4 23              | 2°53'26              | 4 <b>궁</b> 57          | 28°55          | 9° 7            | 9°47           | 20°25           | 7°33          | 1°31          | 12° 2            | 23°54          | 25°36          | 26°16          | 0°57           | 7°20          | W24          |
| T 25         | 14 8 20              | 3°51'52              | 18°37                  | 18 0           | 10°17           | 9°29           | 20°18           | 7°38          | 1°34          | 12° 1            | 23°54          | 25°35          | 26°13          | 1° 3           | 7°24          | T 25         |
| F 26         | 14 12 16             | 4°50'16              | 2 <b>≈</b> 29          | 3° 7           | 11°28           | 9°12           | 20°10           | 7°43          | 1°38          | 12° 0            | 23°54          | 25°35          | 26°10          | 1°10           | 7°29          | F 26         |
| S 27         | 14 16 13             | 5°48'39              | 16°33                  | 5°15           | 12°39           | 8°56           | 20° 3           | 7°48          | 1°41          | 11°59            | 23°55          | 25°35          | 26° 7          | 1°17           | 7°33          | S 27         |
| S 28         | 14 20 9              | 6°47'00              | 0 <b>)</b> 48          | 7°23           | 13°49           | 8°40           | 19°56           | 7°53          | 1°45          | 11°58            | 23°55          | 25°33          | 26° 3          | 1°23           | 7°37          | S 28         |
| M29          | 14 24 6              | 7°45'20              | 15°13                  | 9°32           | 15° 0           | 8°25           | 19°49           | 7°58          | 1°48          | 11°58            | 23°56          | 25°29          | 26° 0          | 1°30           | 7°41          | M29          |
| T 30         | 14 28 2              | 8 <b>8</b> 43'38     | 29 <b>) (</b> 44       | 11841          | 16 <b>I</b> I10 | 8 <b>亞</b> 10  | 19 <b>M</b> .42 | 8 <b>∺</b> 3  | 1 <b>8</b> 51 | 11 <b>m</b> ) 57 | 239556         | 25 <b>る</b> 22 | 25 <b>る</b> 57 | 1 <b>M</b> 37  | 7 <b>Ⅱ</b> 46 | T 30         |

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| Day  | Sid.t    | 0                | D                | Ϋ́             | ·              | δ             | 4              | ħ             | )f(           | 并              | В      | n              | v              | Ç             | ę,              | Day  |
|------|----------|------------------|------------------|----------------|----------------|---------------|----------------|---------------|---------------|----------------|--------|----------------|----------------|---------------|-----------------|------|
| W 1  | 14 31 59 | 9 <b>8</b> 41'55 | 14 <b>Y</b> 16   | 13 <b>8</b> 50 | 17 <b>Ⅲ</b> 20 | 7°R56         | 19°R34         | 8 <b>∺</b> 7  | 1 <b>8</b> 55 | 11°R56         | 23957  | 25°R13         | 25 <b>궁</b> 54 | 1 <b>m</b> 43 | 7 <b>I</b> I50  | W 1  |
| T 2  | 14 35 55 | 10°40'10         | 28°43            | 15°59          | 18°30          | 7 <b>≏</b> 43 | 19 <b>M</b> 27 | 8°12          | 1°58          | 11 <b>m</b> 55 | 23°58  | 25중 2          | 25°51          | 1°50          | 7°54            | T 2  |
| F 3  | 14 39 52 | 11°38'23         | 12857            | 18° 8          | 19°40          | 7°31          | 19°19          | 8°16          | 2° 2          | 11°55          | 23°58  | 24°51          | 25°47          | 1°57          | 7°59            | F 3  |
| S 4  | 14 43 48 | 12°36'35         | 26°54            | 20°16          | 20°50          | 7°20          | 19°12          | 8°21          | 2° 5          | 11°54          | 23°59  | 24°40          | 25°44          | 2° 4          | 8° 3            | S 4  |
| S 5  | 14 47 45 | 13°34'45         | 10∏28            | 22°23          | 22° 0          | 7° 9          | 19° 4          | 8°25          | 2° 8          | 11°53          | 24° 0  | 24°32          | 25°41          | 2°10          | 8° 8            | S 5  |
| M 6  | 14 51 42 | 14°32'53         | 23°39            | 24°28          | 23°10          | 6°59          | 18°57          | 8°30          | 2°12          | 11°53          | 24° 0  | 24°26          | 25°38          | 2°17          | 8°12            | M 6  |
| T 7  | 14 55 38 | 15°30'59         | 69526            | 26°32          | 24°19          | 6°50          | 18°49          | 8°34          | 2°15          | 11°52          | 24° 1  | 24°22          | 25°35          | 2°24          | 8°17            | T 7  |
| W 8  | 14 59 35 | 16°29'03         | 18°53            | 28°33          | 25°29          | 6°42          | 18°41          | 8°38          | 2°19          | 11°52          | 24° 2  | 24°D21         | 25°32          | 2°30          | 8°21            | W 8  |
| T 9  | 15 3 31  | 17°27'06         | 1 <b>0</b> 3     | 0耳33           | 26°38          | 6°34          | 18°34          | 8°42          | 2°22          | 11°51          | 24° 2  | 24°21          | 25°28          | 2°37          | 8°26            | T 9  |
| F 10 | 15 7 28  | 18°25'06         | 13° 1            | 2°30           | 27°48          | 6°28          | 18°26          | 8°46          | 2°25          | 11°51          | 24° 3  | 24°R21         | 25°25          | 2°44          | 8°30            | F 10 |
| S 11 | 15 11 24 | 19°23'05         | 24°52            | 4°25           | 28°57          | 6°22          | 18°18          | 8°50          | 2°29          | 11°50          | 24° 4  | 24°21          | 25°22          | 2°50          | 8°35            | S 11 |
| S 12 | 15 15 21 | 20°21'02         | 6 <b>m</b> 41    | 6°16           | 0ණ 6           | 6°17          | 18°11          | 8°54          | 2°32          | 11°50          | 24° 5  | 24°19          | 25°19          | 2°57          | 8°40            | S 12 |
| M13  | 15 19 18 | 21°18'57         | 18°35            | 8° 5           | 1°15           | 6°12          | 18° 3          | 8°58          | 2°35          | 11°50          | 24° 6  | 24°16          | 25°16          | 3° 4          | 8°44            | M13  |
| T 14 | 15 23 14 | 22°16'50         | 0 <b>ჲ</b> 36    | 9°51           | 2°23           | 6° 9          | 17°55          | 9° 1          | 2°39          | 11°49          | 24° 7  | 24°10          | 25°13          | 3°10          | 8°49            | T 14 |
| W15  | 15 27 11 | 23°14'41         | 12°50            | 11°34          | 3°32           | 6° 6          | 17°48          | 9° 5          | 2°42          | 11°49          | 24° 7  | 24° 2          | 25° 9          | 3°17          | 8°54            | W15  |
| T 16 | 15 31 7  | 24°12'31         | 25°18            | 13°13          | 4°41           | 6° 5          | 17°40          | 9° 8          | 2°45          | 11°49          | 24° 8  | 23°52          | 25° 6          | 3°24          | 8°58            | T 16 |
| F 17 | 15 35 4  | 25°10'20         | 8 <b>M</b> . 3   | 14°49          | 5°49           | 6° 3          | 17°33          | 9°12          | 2°48          | 11°48          | 24° 9  | 23°42          | 25° 3          | 3°30          | 9° 3            | F 17 |
| S 18 | 15 39 0  | 26° 8'06         | 21° 4            | 16°21          | 6°57           | 6°D 3         | 17°25          | 9°15          | 2°52          | 11°48          | 24°10  | 23°32          | 25° 0          | 3°37          | 9°8             | S 18 |
| S 19 | 15 42 57 | 27° 5'52         | 4 <b>₹</b> 20    | 17°51          | 8° 5           | 6° 4          | 17°18          | 9°18          | 2°55          | 11°48          | 24°11  | 23°23          | 24°57          | 3°44          | 9°12            | S 19 |
| M20  | 15 46 53 | 28° 3'36         | 17°50            | 19°16          | 9°13           | 6° 5          | 17°10          | 9°22          | 2°58          | 11°48          | 24°12  | 23°17          | 24°53          | 3°50          | 9°17            | M20  |
| T 21 | 15 50 50 | 29° 1'19         | 1 <b>云</b> 32    | 20°38          | 10°21          | 6° 7          | 17° 3          | 9°25          | 3° 1          | 11°48          | 24°13  | 23°12          | 24°50          | 3°57          | 9°22            | T 21 |
| W22  | 15 54 47 | 29°59'00         | 15°22            | 21°57          | 11°29          | 6° 9          | 16°56          | 9°28          | 3° 4          | 11°48          | 24°14  | 23°11          | 24°47          | 4° 4          | 9°27            | W22  |
| T 23 | 15 58 43 | 0 <b>Ⅱ</b> 56'41 | 29°20            | 23°12          | 12°36          | 6°13          | 16°48          | 9°31          | 3°8           | 11°48          | 24°15  | 23°D10         | 24°44          | 4°10          | 9°31            | T 23 |
| F 24 | 16 2 40  | 1°54'21          | 13≈23            | 24°23          | 13°43          | 6°17          | 16°41          | 9°33          | 3°11          | 11°D48         | 24°16  | 23°11          | 24°41          | 4°17          | 9°36            | F 24 |
| S 25 | 16 6 36  | 2°51'59          | 27°31            | 25°30          | 14°51          | 6°22          | 16°34          | 9°36          | 3°14          | 11°48          | 24°17  | 23°R12         | 24°38          | 4°24          | 9°41            | S 25 |
| S 26 | 16 10 33 | 3°49'36          | 11 <b>) (</b> 41 | 26°34          | 15°58          | 6°27          | 16°27          | 9°39          | 3°17          | 11°48          | 24°19  | 23°12          | 24°34          | 4°30          | 9°46            | S 26 |
| M27  | 16 14 29 | 4°47'13          | 25°53            | 27°33          | 17° 5          | 6°34          | 16°20          | 9°41          | 3°20          | 11°48          | 24°20  | 23°10          | 24°31          | 4°37          | 9°51            | M27  |
| T 28 | 16 18 26 | 5°44'49          | 10 <b>°</b> 3    | 28°29          | 18°11          | 6°41          | 16°13          | 9°44          | 3°23          | 11°48          | 24°21  | 23° 6          | 24°28          | 4°44          | 9°55            | T 28 |
| W29  | 16 22 22 | 6°42'23          | 24°10            | 29°21          | 19°18          | 6°48          | 16° 6          | 9°46          | 3°26          | 11°48          | 24°22  | 23° 1          | 24°25          | 4°50          | 10° 0           | W29  |
| T 30 | 16 26 19 | 7°39'57          | 8 <b>8</b> 9     | 0න 9           | 20°24          | 6°57          | 16° 0          | 9°48          | 3°29          | 11°48          | 24°23  | 22°54          | 24°22          | 4°57          | 10° 5           | T 30 |
| F 31 | 16 30 16 | 8 <b>Ⅱ</b> 37'30 | 21 <b>8</b> 57   | 0952           | 219930         | 7 <b>≗</b> 6  | 15 <b>M</b> 53 | 9 <b>米</b> 50 | 3 <b>8</b> 32 | 11 <b>M</b> 48 | 249524 | 22 <b>궁</b> 47 | 24 <b>궁</b> 18 | 5Mp 4         | 10 <b>I</b> I10 | F 31 |

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| Day  | Sid.t    | 0                | D              | ğ     | φ              | ð              | 4               | ħ              | )f(           | <del>\f</del>   | В     | ß              | သ              | Ç               | ę,             | Day  |
|------|----------|------------------|----------------|-------|----------------|----------------|-----------------|----------------|---------------|-----------------|-------|----------------|----------------|-----------------|----------------|------|
| S 1  | 16 34 12 | 9 <b>Ⅱ</b> 35'03 | 5 <b>Ⅱ</b> 31  | 1932  | 22936          | 7 <b>≙</b> 15  | 15°R47          | 9 <b>∺</b> 52  | 3 <b>8</b> 35 | 11 <b>m</b> )49 | 24925 | 22°R40         | 24 <b>궁</b> 15 | 5 <b>m</b> ) 10 | 10 <b>Ⅱ</b> 15 | S 1  |
| S 2  | 16 38 9  | 10°32'34         | 18°47          | 2° 7  | 23°42          | 7°25           | 15 <b>M</b> .40 | 9°54           | 3°38          | 11°49           | 24°27 | 22 <b>궁</b> 34 | 24°12          | 5°17            | 10°19          | S 2  |
| M 3  | 16 42 5  | 11°30'04         | 19545          | 2°37  | 24°48          | 7°36           | 15°34           | 9°56           | 3°41          | 11°49           | 24°28 | 22°30          | 24° 9          | 5°24            | 10°24          | M 3  |
| T 4  | 16 46 2  | 12°27'33         | 14°24          | 3° 3  | 25°53          | 7°48           | 15°28           | 9°58           | 3°44          | 11°50           | 24°29 | 22°28          | 24° 6          | 5°30            | 10°29          | T 4  |
| W 5  | 16 49 58 | 13°25'00         | 26°47          | 3°25  | 26°59          | 8° 0           | 15°22           | 10° 0          | 3°47          | 11°50           | 24°30 | 22°D28         | 24° 3          | 5°37            | 10°34          | W 5  |
| T 6  | 16 53 55 | 14°22'27         | 8 <b>Ω</b> 55  | 3°42  | 28° 4          | 8°13           | 15°16           | 10° 1          | 3°49          | 11°50           | 24°32 | 22°29          | 23°59          | 5°44            | 10°39          | T 6  |
| F 7  | 16 57 51 | 15°19'52         | 20°53          | 3°54  | 29° 8          | 8°26           | 15°10           | 10° 3          | 3°52          | 11°51           | 24°33 | 22°31          | 23°56          | 5°51            | 10°44          | F 7  |
| S 8  | 17 1 48  | 16°17'17         | 2 <b>m</b> 45  | 4° 2  | 0 <b>Ω</b> 13  | 8°40           | 15° 4           | 10° 4          | 3°55          | 11°51           | 24°34 | 22°32          | 23°53          | 5°57            | 10°48          | S 8  |
| S 9  | 17 5 45  | 17°14'40         | 14°36          | 4°R 5 | 1°17           | 8°54           | 14°59           | 10° 6          | 3°58          | 11°52           | 24°36 | 22°R33         | 23°50          | 6° 4            | 10°53          | S 9  |
| M10  | 17 941   | 18°12'02         | 26°30          | 4° 4  | 2°21           | 9° 9           | 14°53           | 10° 7          | 4° 0          | 11°52           | 24°37 | 22°33          | 23°47          | 6°11            | 10°58          | M10  |
| T 11 | 17 13 38 | 19° 9'23         | 8 <b>≏</b> 34  | 3°58  | 3°25           | 9°24           | 14°48           | 10° 8          | 4° 3          | 11°53           | 24°38 | 22°31          | 23°44          | 6°17            | 11° 3          | T 11 |
| W12  | 17 17 34 | 20° 6'43         | 20°50          | 3°48  | 4°29           | 9°40           | 14°43           | 10° 9          | 4° 6          | 11°53           | 24°40 | 22°28          | 23°40          | 6°24            | 11° 8          | W12  |
| T 13 | 17 21 31 | 21° 4'02         | 3 <b>m</b> 23  | 3°34  | 5°32           | 9°57           | 14°38           | 10°10          | 4° 8          | 11°54           | 24°41 | 22°24          | 23°37          | 6°31            | 11°12          | T 13 |
| F 14 | 17 25 27 | 22° 1'21         | 16°15          | 3°16  | 6°35           | 10°14          | 14°33           | 10°11          | 4°11          | 11°55           | 24°43 | 22°19          | 23°34          | 6°37            | 11°17          | F 14 |
| S 15 | 17 29 24 | 22°58'38         | 29°28          | 2°54  | 7°38           | 10°32          | 14°29           | 10°11          | 4°13          | 11°55           | 24°44 | 22°15          | 23°31          | 6°44            | 11°22          | S 15 |
| S 16 | 17 33 20 | 23°55'55         | 13🗷 1          | 2°29  | 8°41           | 10°50          | 14°24           | 10°12          | 4°16          | 11°56           | 24°45 | 22°10          | 23°28          | 6°51            | 11°27          | S 16 |
| M17  | 17 37 17 | 24°53'11         | 26°52          | 2° 2  | 9°43           | 11°8           | 14°20           | 10°12          | 4°18          | 11°57           | 24°47 | 22° 8          | 23°24          | 6°57            | 11°32          | M17  |
| T 18 | 17 41 14 | 25°50'27         | 10 <b>궁</b> 59 | 1°31  | 10°45          | 11°27          | 14°15           | 10°13          | 4°21          | 11°58           | 24°48 | 22° 6          | 23°21          | 7° 4            | 11°36          | T 18 |
| W19  | 17 45 10 | 26°47'42         | 25°15          | 0°59  | 11°47          | 11°46          | 14°11           | 10°13          | 4°23          | 11°59           | 24°50 | 22°D 6         | 23°18          | 7°11            | 11°41          | W19  |
| T 20 | 17 49 7  | 27°44'57         | 9≈38           | 0°26  | 12°48          | 12° 6          | 14° 7           | 10°13          | 4°26          | 11°59           | 24°51 | 22° 6          | 23°15          | 7°17            | 11°46          | T 20 |
| F 21 | 17 53 3  | 28°42'11         | 24° 3          | 29Ⅲ51 | 13°49          | 12°27          | 14° 4           | 10°13          | 4°28          | 12° 0           | 24°53 | 22° 8          | 23°12          | 7°24            | 11°50          | F 21 |
| S 22 | 17 57 0  | 29°39'25         | 8 <b>∺</b> 25  | 29°17 | 14°50          | 12°47          | 14° 0           | 10°R13         | 4°30          | 12° 1           | 24°54 | 22° 9          | 23° 9          | 7°31            | 11°55          | S 22 |
| S 23 | 18 0 56  | 0936'39          | 22°42          | 28°42 | 15°50          | 13° 8          | 13°57           | 10°13          | 4°32          | 12° 2           | 24°56 | 22°10          | 23° 5          | 7°37            | 12° 0          | S 23 |
| M24  | 18 4 53  | 1°33'53          | 6 <b>Υ</b> 51  | 28° 9 | 16°50          | 13°30          | 13°53           | 10°13          | 4°35          | 12° 3           | 24°57 | 22°R10         | 23° 2          | 7°44            | 12° 4          | M24  |
| T 25 | 18 8 49  | 2°31'07          | 20°50          | 27°37 | 17°50          | 13°52          | 13°50           | 10°13          | 4°37          | 12° 4           | 24°59 | 22° 9          | 22°59          | 7°51            | 12° 9          | T 25 |
| W26  | 18 12 46 | 3°28'21          | 4 <b>8</b> 38  | 27° 8 | 18°49          | 14°14          | 13°48           | 10°12          | 4°39          | 12° 5           | 25° 0 | 22° 7          | 22°56          | 7°57            | 12°14          | W26  |
| T 27 | 18 16 43 | 4°25'35          | 18°14          | 26°40 | 19°48          | 14°37          | 13°45           | 10°12          | 4°41          | 12° 6           | 25° 2 | 22° 5          | 22°53          | 8° 4            | 12°18          | T 27 |
| F 28 | 18 20 39 | 5°22'49          | 1 <b>II</b> 36 | 26°16 | 20°47          | 15° 0          | 13°42           | 10°11          | 4°43          | 12° 7           | 25° 3 | 22° 3          | 22°50          | 8°11            | 12°23          | F 28 |
| S 29 | 18 24 36 | 6°20'03          | 14°44          | 25°56 | 21°45          | 15°24          | 13°40           | 10°11          | 4°45          | 12° 8           | 25° 5 | 22° 1          | 22°46          | 8°18            | 12°27          | S 29 |
| S 30 | 18 28 32 | 79517'16         | 27Ⅲ38          | 25Ⅲ39 | 22\$\Omega43\$ | 15 <b>≏</b> 48 | 13 <b>M</b> .38 | 10 <b>∺</b> 10 | 4847          | 12 Mp 10        | 259 6 | 21 <b>궁</b> 59 | 22 <b>る</b> 43 | 8 <b>m</b> 24   | 12Ⅲ32          | S 30 |

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| Day  | Sid.t    | 0                | D               | ğ              | ·               | ď              | 4               | ħ             | )f(           | ħ               | Р      | u              | Ω              | Ç              | ç              | Day  |
|------|----------|------------------|-----------------|----------------|-----------------|----------------|-----------------|---------------|---------------|-----------------|--------|----------------|----------------|----------------|----------------|------|
| M 1  | 18 32 29 | 89514'30         | 109518          | 25°R26         | 23 <b>Ω</b> 40  | 16 <b>₽</b> 12 | 13°R36          | 10°R 9        | 4 <b>8</b> 49 | 12 <b>m</b> )11 | 2595 8 | 21°R58         | 22 <b>る</b> 40 | 8 <b>m</b> p31 | 12 <b>Ⅲ</b> 37 | M 1  |
| T 2  | 18 36 25 | 9°11'44          | 22°44           | 25 <b>Ⅱ</b> 18 | 24°37           | 16°37          | 13 <b>M</b> .34 | 10 <b>米</b> 8 | 4°51          | 12°12           |        | 21°D58         | 22°37          | 8°38           | 12°41          | T 2  |
| W 3  | 18 40 22 | 10° 8'57         | 4Ω58            | 25°D14         | 25°33           | 17° 2          | 13°32           | 10° 7         | 4°53          | 12°13           | 25°11  | 21 <b>궁</b> 58 | 22°34          | 8°44           | 12°45          | W 3  |
| T 4  | 18 44 19 | 11° 6'10         | 17° 1           | 25°15          | 26°29           | 17°27          | 13°31           | 10° 6         | 4°55          | 12°14           | 25°13  | 21°59          | 22°30          | 8°51           | 12°50          | T 4  |
| F 5  | 18 48 15 | 12° 3'23         | 28°57           | 25°21          | 27°25           | 17°53          | 13°29           | 10° 5         | 4°57          | 12°16           | 25°14  | 22° 0          | 22°27          | 8°58           | 12°54          | F 5  |
| S 6  | 18 52 12 | 13° 0'36         | 10 <b>m</b> /48 | 25°32          | 28°19           | 18°19          | 13°28           | 10° 3         | 4°58          | 12°17           | 25°16  | 22° 1          | 22°24          | 9° 4           | 12°59          | S 6  |
| S 7  | 18 56 8  | 13°57'48         | 22°38           | 25°48          | 29°14           | 18°45          | 13°27           | 10° 2         | 5° 0          | 12°18           | 25°18  | 22° 2          | 22°21          | 9°11           | 13° 3          | S 7  |
| M 8  | 19 0 5   | 14°55'01         | 4 <b>≏</b> 32   | 26°10          | 0Mp 8           | 19°12          | 13°27           | 10° 0         | 5° 2          | 12°20           | 25°19  | 22° 2          | 22°18          | 9°18           | 13° 7          | M 8  |
| T 9  | 19 4 1   | 15°52'13         | 16°35           | 26°36          | 1° 1            | 19°39          | 13°26           | 9°59          | 5° 3          | 12°21           | 25°21  | 22°R 2         | 22°15          | 9°24           | 13°12          | T 9  |
| W10  | 19 7 58  | 16°49'25         | 28°50           | 27° 8          | 1°54            | 20° 6          | 13°26           | 9°57          | 5° 5          | 12°22           | 25°22  | 22° 2          | 22°11          | 9°31           | 13°16          | W10  |
| T 11 | 19 11 54 | 17°46'37         | 11 <b>M</b> 23  | 27°44          | 2°46            | 20°34          | 13°25           | 9°55          | 5° 7          | 12°24           | 25°24  | 22° 2          | 22° 8          | 9°38           | 13°20          | T 11 |
| F 12 | 19 15 51 | 18°43'49         | 24°16           | 28°26          | 3°37            | 21° 1          | 13°D25          | 9°53          | 5° 8          | 12°25           | 25°26  | 22° 1          | 22° 5          | 9°44           | 13°24          | F 12 |
| S 13 | 19 19 48 | 19°41'01         | 7 <b>.</b> ₹32  | 29°12          | 4°28            | 21°30          | 13°25           | 9°51          | 5° 9          | 12°27           | 25°27  | 22° 1          | 22° 2          | 9°51           | 13°29          | S 13 |
| S 14 | 19 23 44 | 20°38'13         | 21°13           | 09 4           | 5°18            | 21°58          | 13°26           | 9°49          | 5°11          | 12°28           | 25°29  | 22° 1          | 21°59          | 9°58           | 13°33          | S 14 |
| M15  | 19 27 41 | 21°35'26         | 5 <b>云</b> 17   | 1° 0           | 6° 8            | 22°27          | 13°26           | 9°47          | 5°12          | 12°30           | 25°30  | 22°D 1         | 21°56          | 10° 5          | 13°37          | M15  |
| T 16 | 19 31 37 | 22°32'38         | 19°42           | 2° 1           | 6°56            | 22°56          | 13°27           | 9°45          | 5°14          | 12°31           | 25°32  | 22°R 1         | 21°52          | 10°11          | 13°41          | T 16 |
| W17  | 19 35 34 | 23°29'51         | 4≈22            | 3° 7           | 7°44            | 23°25          | 13°28           | 9°42          | 5°15          | 12°33           | 25°34  | 22° 1          | 21°49          | 10°18          | 13°45          | W17  |
| T 18 | 19 39 30 | 24°27'04         | 19°11           | 4°18           | 8°31            | 23°55          | 13°29           | 9°40          | 5°16          | 12°35           | 25°35  | 22° 1          | 21°46          | 10°25          | 13°49          | T 18 |
| F 19 | 19 43 27 | 25°24'18         | 4 <b>)</b> € 0  | 5°33           | 9°18            | 24°25          | 13°30           | 9°37          | 5°17          | 12°36           | 25°37  | 22° 0          | 21°43          | 10°31          | 13°53          | F 19 |
| S 20 | 19 47 23 | 26°21'32         | 18°45           | 6°53           | 10° 3           | 24°55          | 13°32           | 9°35          | 5°18          | 12°38           | 25°39  | 22° 0          | 21°40          | 10°38          | 13°57          | S 20 |
| S 21 | 19 51 20 | 27°18'47         | <b>3Υ</b> 17    | 8°18           | 10°48           | 25°25          | 13°33           | 9°32          | 5°19          | 12°39           | 25°40  | 21°59          | 21°36          | 10°45          | 14° 1          | S 21 |
| M22  | 19 55 17 | 28°16'03         | 17°34           | 9°46           | 11°31           | 25°55          | 13°35           | 9°29          | 5°20          | 12°41           | 25°42  | 21°59          | 21°33          | 10°51          | 14° 5          | M22  |
| T 23 | 19 59 13 | 29°13'20         | 1832            | 11°19          | 12°14           | 26°26          | 13°37           | 9°26          | 5°21          | 12°43           | 25°44  | 21°D59         | 21°30          | 10°58          | 14° 9          | T 23 |
| W24  | 20 3 10  | 0 <b>Ω</b> 10'38 | 15°11           | 12°56          | 12°56           | 26°57          | 13°39           | 9°23          | 5°22          | 12°45           | 25°45  | 21°59          | 21°27          | 11° 5          | 14°12          | W24  |
| T 25 | 20 7 6   | 1° 7'56          | 28°31           | 14°37          | 13°37           | 27°29          | 13°41           | 9°20          | 5°23          | 12°46           | 25°47  | 22° 0          | 21°24          | 11°11          | 14°16          | T 25 |
| F 26 | 20 11 3  | 2° 5'16          | 11 <b>Ⅱ</b> 34  | 16°21          | 14°16           | 28° 0          | 13°44           | 9°17          | 5°24          | 12°48           | 25°48  | 22° 1          | 21°21          | 11°18          | 14°20          | F 26 |
| S 27 | 20 14 59 | 3° 2'36          | 24°22           | 18° 9          | 14°55           | 28°32          | 13°46           | 9°14          | 5°25          | 12°50           | 25°50  | 22° 2          | 21°17          | 11°25          | 14°23          | S 27 |
| S 28 | 20 18 56 | 3°59'58          | 6956            | 20° 0          | 15°33           | 29° 4          | 13°49           | 9°11          | 5°26          | 12°52           | 25°52  | 22° 2          | 21°14          | 11°32          | 14°27          | S 28 |
| M29  | 20 22 52 | 4°57'20          | 19°17           | 21°53          | 16° 9           | 29°36          | 13°52           | 9° 8          | 5°26          | 12°54           | 25°53  | 22°R 3         | 21°11          | 11°38          | 14°31          | M29  |
| T 30 | 20 26 49 | 5°54'43          | 1Ω29            | 23°50          | 16°44           | OM 9           | 13°55           | 9° 4          | 5°27          | 12°55           | 25°55  | 2 <u>2</u> ° 3 | 2 <u>1</u> ° 8 | 11°45          | 14°34          | T 30 |
| W31  | 20 30 46 | 6 <b>Ω</b> 52'07 | 13 <b>Ω</b> 32  | 259548         | 17 <b>M)</b> 18 | 0 <b>M</b> .41 | 13ML59          | 9 <b>米</b> 1  | 5 <b>8</b> 28 | 12 <b>m</b> 57  | 259556 | 22중 2          | 21궁 5          | 11 <b>M</b> 52 | 14 <b>Ⅱ</b> 38 | W31  |

Delta T = 24.12 sec

AUGUST 1935 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ♂              | 4              | ħ             | )∤(           | ¥              | Р      | ß              | ಬ              | Ç               | ۴0             | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|----------------|--------|----------------|----------------|-----------------|----------------|------|
| T 1  | 20 34 42 | 7 <b>Ω</b> 49'31 | 25 <b>Ω</b> 29 | 279549         | 17 <b>m</b> 50 | 1 <b>m</b> 14  | 14M 2          | 8°R57         | 5 <b>8</b> 28 | 12 <b>m</b> 59 | 25958  | 22°R 0         | 21る 2          | 11 <b>m</b> 58  | 14 <b>Ⅱ</b> 41 | T 1  |
| F 2  | 20 38 39 | 8°46'57          | 7 <b>m</b> )21 | 29°51          | 18°22          | 1°48           | 14° 6          | 8 <b>)</b> 54 | 5°29          | 13° 1          | 26° 0  | 21 <b>궁</b> 58 | 20°58          | 12° 5           | 14°44          | F 2  |
| S 3  | 20 42 35 | 9°44'23          | 19°11          | 1 <b>Ω</b> 54  | 18°51          | 2°21           | 14°10          | 8°50          | 5°29          | 13° 3          | 26° 1  | 21°55          | 20°55          | 12°12           | 14°48          | S 3  |
| S 4  | 20 46 32 | 10°41'49         | 1 <b>♀</b> 2   | 3°58           | 19°20          | 2°54           | 14°14          | 8°46          | 5°29          | 13° 5          | 26° 3  | 21°52          | 20°52          | 12°18           | 14°51          | S 4  |
| M 5  | 20 50 28 | 11°39'17         | 12°56          | 6° 3           | 19°46          | 3°28           | 14°18          | 8°43          | 5°30          | 13° 7          | 26° 4  | 21°50          | 20°49          | 12°25           | 14°54          | M 5  |
| T 6  | 20 54 25 | 12°36'45         | 24°58          | 8° 7           | 20°11          | 4° 2           | 14°22          | 8°39          | 5°30          | 13° 9          | 26° 6  | 21°48          | 20°46          | 12°32           | 14°57          | T 6  |
| W 7  | 20 58 21 | 13°34'14         | 7 <b>m</b> .11 | 10°12          | 20°35          | 4°36           | 14°27          | 8°35          | 5°30          | 13°11          | 26° 8  | 21°47          | 20°42          | 12°38           | 15° 1          | W 7  |
| T 8  | 21 2 18  | 14°31'44         | 19°40          | 12°17          | 20°57          | 5°11           | 14°31          | 8°31          | 5°31          | 13°13          | 26° 9  | 21°D47         | 20°39          | 12°45           | 15° 4          | T 8  |
| F 9  | 21 6 15  | 15°29'15         | 2 <b>~</b> 29  | 14°21          | 21°17          | 5°45           | 14°36          | 8°27          | 5°31          | 13°15          | 26°11  | 21°48          | 20°36          | 12°52           | 15° 7          | F 9  |
| S 10 | 21 10 11 | 16°26'46         | 15°41          | 16°24          | 21°35          | 6°20           | 14°41          | 8°23          | 5°31          | 13°17          | 26°12  | 21°49          | 20°33          | 12°59           | 15°10          | S 10 |
| S 11 | 21 14 8  | 17°24'19         | 29°20          | 18°26          | 21°51          | 6°55           | 14°46          | 8°19          | 5°31          | 13°19          | 26°14  | 21°50          | 20°30          | 13° 5           | 15°13          | S 11 |
| M12  | 21 18 4  | 18°21'52         | 13 <b>る</b> 25 | 20°27          | 22° 5          | 7°30           | 14°51          | 8°15          | 5°R31         | 13°21          | 26°15  | 21°51          | 20°27          | 13°12           | 15°16          | M12  |
| T 13 | 21 22 1  | 19°19'26         | 27°56          | 22°28          | 22°17          | 8° 5           | 14°57          | 8°11          | 5°31          | 13°23          | 26°17  | 21°R52         | 20°23          | 13°19           | 15°18          | T 13 |
| W14  | 21 25 57 | 20°17'01         | 12≈48          | 24°27          | 22°27          | 8°41           | 15° 2          | 8° 7          | 5°31          | 13°25          | 26°18  | 21°50          | 20°20          | 13°25           | 15°21          | W14  |
| T 15 | 21 29 54 | 21°14'38         | 27°54          | 26°24          | 22°35          | 9°16           | 15° 8          | 8° 2          | 5°31          | 13°27          | 26°20  | 21°48          | 20°17          | 13°32           | 15°24          | T 15 |
| F 16 | 21 33 50 | 22°12'15         | 13 <b>米</b> 5  | 28°21          | 22°41          | 9°52           | 15°14          | 7°58          | 5°30          | 13°29          | 26°21  | 21°44          | 20°14          | 13°39           | 15°26          | F 16 |
| S 17 | 21 37 47 | 23° 9'54         | 28°11          | 0 <b>m</b> /16 | 22°45          | 10°28          | 15°20          | 7°54          | 5°30          | 13°31          | 26°23  | 21°40          | 20°11          | 13°45           | 15°29          | S 17 |
| S 18 | 21 41 44 | 24° 7'35         | 13 <b>Y</b> 2  | 2°10           | 22°R46         | 11° 4          | 15°26          | 7°49          | 5°30          | 13°33          | 26°24  | 21°36          | 20° 8          | 13°52           | 15°32          | S 18 |
| M19  | 21 45 40 | 25° 5'17         | 27°33          | 4° 2           | 22°45          | 11°40          | 15°32          | 7°45          | 5°30          | 13°36          | 26°26  | 21°32          | 20° 4          | 13°59           | 15°34          | M19  |
| T 20 | 21 49 37 | 26° 3'01         | 11839          | 5°53           | 22°42          | 12°17          | 15°39          | 7°41          | 5°29          | 13°38          | 26°27  | 21°30          | 20° 1          | 14° 5           | 15°36          | T 20 |
| W21  | 21 53 33 | 27° 0'46         | 25°18          | 7°42           | 22°36          | 12°53          | 15°45          | 7°36          | 5°29          | 13°40          | 26°29  | 21°D29         | 19°58          | 14°12           | 15°39          | W21  |
| T 22 | 21 57 30 | 27°58'33         | 8 <b>Ⅲ</b> 33  | 9°31           | 22°28          | 13°30          | 15°52          | 7°32          | 5°28          | 13°42          | 26°30  | 21°29          | 19°55          | 14°19           | 15°41          | T 22 |
| F 23 | 22 1 26  | 28°56'22         | 21°26          | 11°17          | 22°18          | 14° 7          | 15°59          | 7°27          | 5°28          | 13°44          | 26°32  | 21°31          | 19°52          | 14°26           | 15°43          | F 23 |
| S 24 | 22 5 23  | 29°54'13         | 499 1          | 13° 3          | 22° 5          | 14°44          | 16° 6          | 7°23          | 5°27          | 13°46          | 26°33  | 21°32          | 19°48          | 14°32           | 15°45          | S 24 |
| S 25 | 22 9 19  | 0 m 52'05        | 16°21          | 14°47          | 21°50          | 15°22          | 16°13          | 7°18          | 5°27          | 13°48          | 26°34  | 21°R33         | 19°45          | 14°39           | 15°48          | S 25 |
| M26  | 22 13 16 | 1°49'59          | 28°29          | 16°29          | 21°32          | 15°59          | 16°20          | 7°14          | 5°26          | 13°51          | 26°36  | 21°33          | 19°42          | 14°46           | 15°50          | M26  |
| T 27 | 22 17 13 | 2°47'55          | 10₽30          | 18°11          | 21°13          | 16°37          | 16°28          | 7° 9          | 5°25          | 13°53          | 26°37  | 21°31          | 19°39          | 14°52           | 15°52          | T 27 |
| W28  | 22 21 9  | 3°45'52          | 22°25          | 19°51          | 20°51          | 17°14          | 16°35          | 7° 5          | 5°24          | 13°55          | 26°39  | 21°27          | 19°36          | 14°59           | 15°54          | W28  |
| T 29 | 22 25 6  | 4°43'51          | 4 Mp 17        | 21°29          | 20°27          | 17°52          | 16°43          | 7° 0          | 5°24          | 13°57          | 26°40  | 21°21          | 19°33          | 15° 6           | 15°55          | T 29 |
| F 30 | 22 29 2  | 5°41'51          | 16° 7          | 23° 7          | 20° 1          | 18°30          | 16°51          | 6°55          | 5°23          | 13°59          | 26°41  | 21°14          | 19°29          | 15°12           | 15°57          | F 30 |
| S 31 | 22 32 59 | 6 <b>m</b> 39'53 | 27 <b>m</b> 57 | 24 <b>m</b> 43 | 19 <b>m</b> 33 | 19 <b>TL</b> 9 | 16 <b>M</b> 59 | 6 <b>¥</b> 51 | 5 <b>8</b> 22 | 14M) 2         | 269543 | 21궁 5          | 19 <b>る</b> 26 | 15 <b>M</b> p19 | 15 <b>Ⅱ</b> 59 | S 31 |

SEPTEMBER 1935 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ð              | 4              | ħ               | )Å(           | ¥               | Р      | n              | Ω              | Ç               | ę<br>k          | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|-----------------|---------------|-----------------|--------|----------------|----------------|-----------------|-----------------|------|
| S 1  | 22 36 55 | 7 m/ 37'57       | 9 <b>ჲ</b> 50  | 26 <b>m</b> 18 | 19°R 3         | 19 <b>M</b> 47 | 17 <b>M</b> 7  | 6°R46           | 5°R21         | 14 Mp 4         | 269544 | 20°R57         | 19 <b>궁</b> 23 | 15 <b>m</b> )26 | 16耳 1           | S 1  |
| M 2  | 22 40 52 | 8°36'02          | 21°47          | 27°51          | 18 <b>M</b> 32 | 20°25          | 17°15          | 6 <b>)</b> 42   | 5 <b>8</b> 20 | 14° 6           | 26°45  | 20 <b>궁</b> 48 | 19°20          | 15°33           | 16° 2           | M 2  |
| T 3  | 22 44 48 | 9°34'08          | 3 <b>M</b> .51 | 29°24          | 17°59          | 21° 4          | 17°23          | 6°37            | 5°19          | 14° 8           | 26°46  | 20°42          | 19°17          | 15°39           | 16° 4           | T 3  |
| W 4  | 22 48 45 | 10°32'16         | 16° 5          | 0 <b>ჲ</b> 55  | 17°25          | 21°43          | 17°31          | 6°33            | 5°18          | 14°10           | 26°48  | 20°37          | 19°14          | 15°46           | 16° 5           | W 4  |
| T 5  | 22 52 42 | 11°30'25         | 28°32          | 2°24           | 16°50          | 22°22          | 17°40          | 6°28            | 5°17          | 14°13           | 26°49  | 20°34          | 19°10          | 15°53           | 16° 6           | T 5  |
| F 6  | 22 56 38 | 12°28'36         | 11 <b>×</b> 16 | 3°53           | 16°14          | 23° 1          | 17°49          | 6°24            | 5°15          | 14°15           | 26°50  | 20°D33         | 19° 7          | 15°59           | 16° 8           | F 6  |
| S 7  | 23 0 35  | 13°26'49         | 24°21          | 5°20           | 15°37          | 23°40          | 17°57          | 6°19            | 5°14          | 14°17           | 26°51  | 20°33          | 19° 4          | 16° 6           | 16° 9           | S 7  |
| S 8  | 23 4 31  | 14°25'03         | 7 <b>ප</b> 51  | 6°46           | 15° 0          | 24°19          | 18° 6          | 6°15            | 5°13          | 14°19           | 26°53  | 20°34          | 19° 1          | 16°13           | 16°10           | S 8  |
| M 9  | 23 8 28  | 15°23'18         | 21°49          | 8°11           | 14°23          | 24°59          | 18°15          | 6°10            | 5°12          | 14°22           | 26°54  | 20°R35         | 18°58          | 16°19           | 16°11           | M 9  |
| T 10 | 23 12 24 | 16°21'35         | 6≈13           | 9°34           | 13°46          | 25°38          | 18°24          | 6° 6            | 5°10          | 14°24           | 26°55  | 20°34          | 18°54          | 16°26           | 16°12           | T 10 |
| W11  | 23 16 21 | 17°19'54         | 21° 2          | 10°56          | 13° 9          | 26°18          | 18°34          | 6° 1            | 5° 9          | 14°26           | 26°56  | 20°30          | 18°51          | 16°33           | 16°13           | W11  |
| T 12 | 23 20 17 | 18°18'14         | 6 <b>₩</b> 11  | 12°17          | 12°33          | 26°58          | 18°43          | 5°57            | 5° 7          | 14°28           | 26°57  | 20°25          | 18°48          | 16°40           | 16°14           | T 12 |
| F 13 | 23 24 14 | 19°16'35         | 21°29          | 13°36          | 11°57          | 27°38          | 18°52          | 5°52            | 5° 6          | 14°31           | 26°58  | 20°17          | 18°45          | 16°46           | 16°15           | F 13 |
| S 14 | 23 28 11 | 20°14'59         | 6 <b>Ƴ</b> 47  | 14°53          | 11°23          | 28°18          | 19° 2          | 5°48            | 5° 4          | 14°33           | 26°59  | 20° 8          | 18°42          | 16°53           | 16°16           | S 14 |
| S 15 | 23 32 7  | 21°13'25         | 21°52          | 16° 9          | 10°50          | 28°58          | 19°11          | 5°44            | 5° 3          | 14°35           | 27° 0  | 20° 0          | 18°39          | 17° 0           | 16°17           | S 15 |
| M16  | 23 36 4  | 22°11'52         | 6 <b>8</b> 36  | 17°24          | 10°18          | 29°38          | 19°21          | 5°39            | 5° 1          | 14°37           | 27° 1  | 19°52          | 18°35          | 17° 6           | 16°17           | M16  |
| T 17 | 23 40 0  | 23°10'22         | 20°52          | 18°36          | 9°48           | 0 <b>才</b> 19  | 19°31          | 5°35            | 5° 0          | 14°39           | 27° 2  | 19°45          | 18°32          | 17°13           | 16°18           | T 17 |
| W18  | 23 43 57 | 24° 8'54         | 4 <b>Ⅱ</b> 39  | 19°47          | 9°20           | 0°59           | 19°41          | 5°31            | 4°58          | 14°42           | 27° 3  | 19°42          | 18°29          | 17°20           | 16°18           | W18  |
| T 19 | 23 47 53 | 25° 7'29         | 17°57          | 20°57          | 8°54           | 1°40           | 19°51          | 5°27            | 4°56          | 14°44           | 27° 4  | 19°40          | 18°26          | 17°26           | 16°19           | T 19 |
| F 20 | 23 51 50 | 26° 6'05         | 09349          | 22° 4          | 8°30           | 2°21           | 20° 1          | 5°23            | 4°55          | 14°46           | 27° 5  | 19°D40         | 18°23          | 17°33           | 16°19           | F 20 |
| S 21 | 23 55 46 | 27° 4'44         | 13°20          | 23° 9          | 8° 8           | 3° 1           | 20°11          | 5°19            | 4°53          | 14°48           | 27° 6  | 19°R40         | 18°19          | 17°40           | 16°19           | S 21 |
| S 22 | 23 59 43 | 28° 3'25         | 25°33          | 24°12          | 7°48           | 3°42           | 20°22          | 5°15            | 4°51          | 14°50           | 27° 7  | 19°40          | 18°16          | 17°47           | 16°19           | S 22 |
| M23  | 0 3 40   | 29° 2'08         | 7 <b>Ω</b> 35  | 25°12          | 7°31           | 4°24           | 20°32          | 5°11            | 4°49          | 14°53           | 27° 8  | 19°39          | 18°13          | 17°53           | 16°19           | M23  |
| T 24 | 0 7 36   | 0 <b>ჲ</b> 0'54  | 19°29          | 26°10          | 7°16           | 5° 5           | 20°42          | 5° 7            | 4°47          | 14°55           | 27° 9  | 19°35          | 18°10          | 18° 0           | 16°R20          | T 24 |
| W25  | 0 11 33  | 0°59'41          | 1 <b>m</b> 20  | 27° 5          | 7° 3           | 5°46           | 20°53          | 5° 3            | 4°45          | 14°57           | 27°10  | 19°28          | 18° 7          | 18° 7           | 16°19           | W25  |
| T 26 | 0 15 29  | 1°58'31          | 13° 9          | 27°58          | 6°53           | 6°28           | 21° 4          | 4°59            | 4°43          | 14°59           | 27°11  | 19°19          | 18° 4          | 18°13           | 16°19           | T 26 |
| F 27 | 0 19 26  | 2°57'22          | 25° 0          | 28°46          | 6°45           | 7° 9           | 21°14          | 4°55            | 4°41          | 15° 1           | 27°11  | 19° 7          | 18° 0          | 18°20           | 16°19           | F 27 |
| S 28 | 0 23 22  | 3°56'16          | 6 <b>≙</b> 54  | 29°32          | 6°40           | 7°51           | 21°25          | 4°51            | 4°39          | 15° 3           | 27°12  | 18°53          | 17°57          | 18°27           | 16°19           | S 28 |
| S 29 | 0 27 19  | 4°55'11          | 18°53          | 0 <b>M</b> .14 | 6°37           | 8°33           | 21°36          | 4°48            | 4°37          | 15° 5           | 27°13  | 18°40          | 17°54          | 18°33           | 16°19           | S 29 |
| M30  | 0 31 15  | 5 <b>≏</b> 54'09 | 0 <b>M</b> .58 | 0 <b>M</b> .51 | 6°D36          | 9 <b>∡</b> 15  | 21 <b>M</b> 47 | 4 <b>) (</b> 44 | 4 <b>8</b> 35 | 15 <b>M</b> ) 8 | 279514 | 18 <b>궁</b> 26 | 17 <b>ට</b> 51 | 18 <b>m</b> /40 | 16 <b>II</b> 18 | M30  |

Delta T = 24.11 sec

OCTOBER 1935 00:00 UT

| Day        | Sid.t             | 0                    | D                         | ğ                        | φ             | δ                     | 4              | ħ              | )ţ(                   | ¥              | Р              | G.                    | ಬ                       | Ç               | o k                     | Day        |
|------------|-------------------|----------------------|---------------------------|--------------------------|---------------|-----------------------|----------------|----------------|-----------------------|----------------|----------------|-----------------------|-------------------------|-----------------|-------------------------|------------|
| T 1        | 0 35 12           | 6 <b>₽</b> 53'09     | 13 <b>M</b> 9             | 1 <b>M</b> 24            | 6 <b>m</b> 38 | 9 <b>×</b> 757        | 21 <b>M</b> 58 | 4°R41          | 4°R33                 | 15 <b>m</b> 10 | 279914         | 18°R15                | 17 <b>石</b> 48          | 18 <b>m</b> )47 | 16°R18                  | T 1        |
| W 2        | 0 39 8            | 7°52'10              | 25°30                     | 1°53                     | 6°42          | 10°39                 | 22° 9          | 4 <b>)</b> €37 | 4831                  | 15°12          | 27°15          | 18 <b>궁</b> 6         | 17°45                   | 18°54           | 16 <b>I</b> I17         | W 2        |
| T 3        | 0 43 5            | 8°51'14              | 8 🗷 1                     | 2°16                     | 6°48          | 11°21                 | 22°21          | 4°34           | 4°29                  | 15°14          | 27°16          | 18° 0                 | 17°41                   | 19° 0           | 16°17                   | T 3        |
| F 4<br>S 5 | 0 47 2<br>0 50 58 | 9°50'19<br>10°49'26  | 20°46<br>3 <b>♂</b> 49    | 2°33<br>2°44             | 6°57<br>7°8   | 12° 3<br>12°46        | 22°32<br>22°43 | 4°31<br>4°27   | 4°27<br>4°25          | 15°16<br>15°18 | 27°16<br>27°17 | 17°57<br>17°56        | 17°38<br>17°35          | 19° 7<br>19°14  | 16°16<br>16°15          | F 4<br>S 5 |
|            |                   |                      |                           |                          |               |                       | _              |                | _                     |                |                |                       |                         |                 |                         |            |
| S 6        | 0 54 55           | 11°48'35             | 17°12                     | 2°R49                    | 7°21          | 13°28                 | 22°55          | 4°24           | 4°23                  | 15°20          | 27°18          | 17°56                 | 17°32                   | 19°20           | 16°14                   | S 6        |
| M 7        | 0 58 51           | 12°47'45             | 0 <b>≈</b> 58             | 2°46                     | 7°36          | 14°11                 | 23° 6          | 4°21           | 4°20                  | 15°22          | 27°18          | 17°55                 | 17°29                   | 19°27           | 16°13                   | M 7        |
| T 8<br>W 9 | 1 2 48<br>1 6 44  | 13°46'57<br>14°46'11 | 15° 9<br>29°44            | 2°37<br>2°19             | 7°53<br>8°11  | 14°54<br>15°36        | 23°18<br>23°30 | 4°18<br>4°15   | 4°18<br>4°16          | 15°24<br>15°26 | 27°19<br>27°19 | 17°54<br>17°49        | 17°25<br>17°22          | 19°34<br>19°41  | 16°13<br>16°11          | T 8<br>W 9 |
| T 10       | 1 10 41           | 14°46°11<br>15°45'27 | 14 <b>)</b> 39            | 1°53                     | 8°32          | 15°36<br>16°19        | 23°41          | 4°13<br>4°12   | 4°14                  | 15°28          | 27°19<br>27°20 | 17°49<br>17°42        | 17°22                   | 19°41<br>19°47  | 16°11                   | T 10       |
| F 11       | 1 14 37           | 16°44'45             | 29°47                     | 1°19                     | 8°55          | 10 19<br>17° 2        | 23°53          | 4°10           | 4°11                  | 15°30          | 27°20          | 17°33                 | 17°16                   | 19°54           | 16° 9                   | F 11       |
| S 12       | 1 18 34           | 17°44'04             | $14\Upsilon 59$           | 0°37                     | 9°19          | 17°45                 | 24° 5          | 4° 7           | 4° 9                  | 15°32          | 27°21          | 17°22                 | 17°13                   | 20° 1           | 16° 8                   | S 12       |
| S 13       | 1 22 31           | 18°43'26             | 0 <b>ප</b> 4              | 29 <b>≙</b> 47           | 9°46          | 18°28                 | 24°17          | 4° 4           | 4° 7                  | 15°34          | 27°21          | 17°10                 | 17°10                   | 20° 7           | 16° 7                   | S 13       |
| M14        | 1 22 31           | 18°43°26<br>19°42'49 | 14°52                     | 29 <b>32</b> 47<br>28°50 | 10°13         | 18°28<br>19°12        | 24°17<br>24°29 | 4° 4           | 4° 4                  | 15°34<br>15°36 | 27°21<br>27°22 | 17°10                 | 17° 10                  | 20°14           | 16° 5                   | M14        |
| T 15       | 1 30 24           | 20°42'15             | 29°14                     | 27°46                    | 10°13         | 19°55                 | 24°41          | 4° 0           | 4° 2                  | 15°38          | 27°22          | 16°51                 | 17° 3                   | 20°21           | 16° 4                   | T 15       |
| W16        | 1 34 20           | 21°41'44             | 13 <b>II</b> 8            | 26°37                    | 11°14         | 20°38                 | 24°53          | 3°57           | 3°59                  | 15°40          | 27°22          | 16°46                 | 17° 0                   | 20°28           | 16° 2                   | W16        |
| T 17       | 1 38 17           | 22°41'14             | 26°32                     | 25°25                    | 11°46         | 21°22                 | 25° 5          | 3°55           | 3°57                  | 15°42          | 27°23          | 16°42                 | 16°57                   | 20°34           | 16° 1                   | T 17       |
| F 18       | 1 42 13           | 23°40'47             | 99529                     | 24°12                    | 12°20         | 22° 6                 | 25°18          | 3°53           | 3°55                  | 15°43          | 27°23          | 16°41                 | 16°54                   | 20°41           | 15°59                   | F 18       |
| S 19       | 1 46 10           | 24°40'22             | 22° 1                     | 22°58                    | 12°56         | 22°49                 | 25°30          | 3°51           | 3°52                  | 15°45          | 27°23          | 16°41                 | 16°51                   | 20°48           | 15°57                   | S 19       |
| S 20       | 1 50 6            | 25°40'00             | 4Ω16                      | 21°48                    | 13°32         | 23°33                 | 25°42          | 3°49           | 3°50                  | 15°47          | 27°24          | 16°41                 | 16°47                   | 20°54           | 15°56                   | S 20       |
| M21        | 1 54 3            | 26°39'39             | 16°17                     | 20°42                    | 14°10         | 24°17                 | 25°55          | 3°47           | 3°47                  | 15°49          | 27°24          | 16°40                 | 16°44                   | 21° 1           | 15°54                   | M21        |
| T 22       | 1 58 0            | 27°39'21             | 28° 9                     | 19°42                    | 14°50         | 25° 1                 | 26° 7          | 3°45           | 3°45                  | 15°51          | 27°24          | 16°36                 | 16°41                   | 21° 8           | 15°52                   | T 22       |
| W23        | 2 1 56            | 28°39'05             | 9 <b>m</b> 59             | 18°51                    | 15°30         | 25°45                 | 26°20          | 3°44           | 3°42                  | 15°52          | 27°24          | 16°30                 | 16°38                   | 21°14           | 15°50                   | W23        |
| T 24       | 2 5 53            | 29°38'52             | 21°49                     | 18°10                    | 16°11         | 26°29                 | 26°32          | 3°42           | 3°40                  | 15°54          | 27°24          | 16°20                 | 16°35                   | 21°21           | 15°48                   | T 24       |
| F 25       | 2 9 49            | 0M38'40              | 3 <u>₽</u> 43             | 17°40                    | 16°54         | 27°13                 | 26°45          | 3°40           | 3°38                  | 15°56          | 27°25          | 16° 9                 | 16°31                   | 21°28           | 15°46                   | F 25       |
| S 26       | 2 13 46           | 1°38'30              | 15°43                     | 17°21                    | 17°38         | 27°57                 | 26°57          | 3°39           | 3°35                  | 15°57          | 27°25          | 15°56                 | 16°28                   | 21°35           | 15°44                   | S 26       |
| S 27       | 2 17 42           | 2°38'23              | 27°51                     | 17°D13                   | 18°23         | 28°42                 | 27°10          | 3°38           | 3°33                  | 15°59          | 27°25          | 15°42                 | 16°25                   | 21°41           | 15°41                   | S 27       |
| M28        | 2 21 39           | 3°38'17              | 10 <b>M</b> 7             | 17°17                    | 19° 8         | 29°26                 | 27°23          | 3°37           | 3°30                  | 16° 1          | 27°25          | 15°29                 | 16°22                   | 21°48           | 15°39                   | M28        |
| T 29       | 2 25 35           | 4°38'14              | 22°32                     | 17°31                    | 19°55         | 0중10                  | 27°36          | 3°36           | 3°28                  | 16° 2          | 27°25          | 15°17                 | 16°19                   | 21°55           | 15°37                   | T 29       |
| W30        | 2 29 32           | 5°38'12              | 5 <b>×</b> <sup>7</sup> 7 | 17°56                    | 20°43         | 0°55<br>1 <b>♂</b> 40 | 27°48          | 3°35           | 3°25<br>3 <b>8</b> 23 | 16° 4          | 27°R25         | 15°8<br>15 <b>云</b> 2 | 16°16<br>16 <b>궁</b> 12 | 22° 1           | 15°34<br>15 <b>Ⅲ</b> 32 | W30        |
| T 31       | 2 33 29           | 6M38'13              | 17 <b>×</b> 752           | 18 <b>≏</b> 30           | 21 Mp 31      | 1040                  | 28 <b>M</b> 1  | 3 <b>∺</b> 34  | 3023                  | 16 <b>M</b> 6  | 279925         | 15 <b>る</b> 2         | 10012                   | 22 Mp 8         | 13Д32                   | T 31       |

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| Day         | Sid.t              | 0                         | D                                | Ϋ́             | P              | ð                       | 4                                  | ħ                                | )∤(           | <del>4</del>   | Р              | ß               | v                       | ţ              | ę,              | Day          |
|-------------|--------------------|---------------------------|----------------------------------|----------------|----------------|-------------------------|------------------------------------|----------------------------------|---------------|----------------|----------------|-----------------|-------------------------|----------------|-----------------|--------------|
| F 1         | 2 37 25            | 7 <b>M</b> 38'15          | 0 <b>ප</b> 48                    | 19 <b>≏</b> 13 | 22 Mp 20       | 2 <b>ප්</b> 24          | 28 <b>M</b> .14                    | 3°R33                            | 3°R20         | 16 <b>M</b> 7  | 27°R25         | 14°R59          | 16 <b>ට</b> 9           | 22 Mp 15       | 15°R29          | F 1          |
| S 2         | 2 41 22            | 8°38'18                   | 13°58                            | 20° 4          | 23°10          | 3° 9                    | 28°27                              | 3 <b>∺</b> 32                    | 3 <b>8</b> 18 | 16° 9          | 279525         | 14°D58          | 16° 6                   | 22°22          | 15 <b>Ⅱ</b> 27  | S 2          |
| S 3         | 2 45 18            | 9°38'23                   | 27°23                            | 21° 1          | 24° 1          | 3°54                    | 28°40                              | 3°32                             | 3°15          | 16°10          | 27°25          | 14 <b>궁</b> 59  | 16° 3                   | 22°28          | 15°24           | S 3          |
| M 4         | 2 49 15            | 10°38'30                  | 11≈ 4                            | 22° 5          | 24°53          | 4°39                    | 28°53                              | 3°31                             | 3°13          | 16°12          | 27°24          | 14°R59          | 16° 0                   | 22°35          | 15°22           | M 4          |
| T 5         | 2 53 11            | 11°38'38                  | 25° 4                            | 23°14          | 25°45          | 5°24                    | 29° 6                              | 3°31                             | 3°11          | 16°13          | 27°24          | 14°58           | 15°57                   | 22°42          | 15°19           | T 5          |
| W 6         | 2 57 8             | 12°38'48                  | 9 <b>∺</b> 22                    | 24°27          | 26°38          | 6° 9                    | 29°19                              | 3°31                             | 3° 8          | 16°14          | 27°24          | 14°55           | 15°53                   | 22°48          | 15°16           | W 6          |
| T 7         | 3 1 4              | 13°38'59                  | 23°56<br>8 <b>Y</b> 41           | 25°45<br>27° 6 | 27°32          | 6°54                    | 29°32                              | 3°30                             | 3° 6<br>3° 3  | 16°16          | 27°24          | 14°50           | 15°50                   | 22°55<br>23° 2 | 15°13<br>15°11  | T 7<br>F 8   |
| F 8<br>S 9  | 3 5 1<br>3 8 58    | 14°39'12<br>15°39'26      | 23°32                            | 28°29          | 28°27<br>29°22 | 7°39<br>8°24            | 29°45<br>29°58                     | 3°D30<br>3°31                    | 3° 3          | 16°17<br>16°19 | 27°24<br>27°23 | 14°43<br>14°34  | 15°47<br>15°44          | 23° 2<br>23° 9 | 15°11<br>15° 8  | F 8<br>S 9   |
|             |                    |                           |                                  |                | -              |                         |                                    |                                  |               |                |                | _               | _                       |                |                 |              |
| S 10        | 3 12 54            | 16°39'42                  | 8819                             | 29°55          | 0 <b>₽</b> 17  | 9°10                    | 0 <b>₹</b> 12                      | 3°31                             | 2°58          | 16°20          | 27°23          | 14°24           | 15°41                   | 23°15          | 15° 5           | S 10         |
| M11         | 3 16 51            | 17°39'59                  | 22°54                            | 1 ML 23        | 1°14           | 9°55                    | 0°25                               | 3°31                             | 2°56          | 16°21          | 27°23          | 14°15           | 15°37                   | 23°22          | 15° 2           | M11          |
| T 12<br>W13 | 3 20 47<br>3 24 44 | 18°40'19<br>19°40'40      | 7 <b>Ⅱ</b> 10<br>21°2            | 2°52<br>4°23   | 2°10<br>3° 8   | 10°40<br>11°26          | 0°38<br>0°51                       | 3°31<br>3°32                     | 2°54<br>2°51  | 16°22<br>16°24 | 27°22<br>27°22 | 14° 8<br>14° 3  | 15°34<br>15°31          | 23°29<br>23°35 | 14°59<br>14°56  | T 12<br>W13  |
| T 14        | 3 24 44 3 28 40    | 20°41'03                  | 49528                            | 5°55           | 3 8<br>4° 6    | 11 20<br>12°11          | 1° 4                               | 3°32                             | 2°49          | 16°25          | 27°22          | 14 3<br>14° 1   | 15°28                   | 23°42          | 14°53           | T 14         |
| F 15        | 3 32 37            | 20 41 03<br>21°41'28      | 17°28                            | 7°27           | 5° 4           | 12°57                   | 1°18                               | 3°33                             | 2°47          | 16°26          | 27°21          | 14°D 1          | 15°25                   | 23°49          | 14°49           | F 15         |
| S 16        | 3 36 33            | 22°41'55                  | 0 <b>Ω</b> 5                     | 9° 1           | 6° 3           | 13°42                   | 1°31                               | 3°34                             | 2°45          | 16°27          | 27°21          | 14° 2           | 15°22                   | 23°56          | 14°46           | S 16         |
| S 17        | 3 40 30            | 23°42'24                  | 12°23                            | 10°35          | 7° 3           | 14°28                   | 1°44                               | 3°35                             | 2°42          | 16°28          | 27°20          | 14° 3           | 15°18                   | 24° 2          | 14°43           | S 17         |
| M18         | 3 44 27            | 24°42'54                  | 24°27                            | 12° 9          | 8° 3           | 15°14                   | 1°58                               | 3°36                             | 2°40          | 16°29          | 27°20          | 14°R 3          | 15°15                   | 24° 9          | 14°40           | M18          |
| T 19        | 3 48 23            | 25°43'26                  | 6Mp21                            | 13°43          | 9° 3           | 16° 0                   | 2°11                               | 3°37                             | 2°38          | 16°30          | 27°20          | 14° 3           | 15°12                   | 24°16          | 14°37           | T 19         |
| W20         | 3 52 20            | 26°44'00                  | 18°12                            | 15°18          | 10° 4          | 16°45                   | 2°24                               | 3°38                             | 2°36          | 16°31          | 27°19          | 14° 0           | 15° 9                   | 24°22          | 14°33           | W20          |
| T 21        | 3 56 16            | 27°44'36                  | 0요 4                             | 16°53          | 11° 5          | 17°31                   | 2°38                               | 3°39                             | 2°33          | 16°32          | 27°18          | 13°55           | 15° 6                   | 24°29          | 14°30           | T 21         |
| F 22        | 4 0 13             | 28°45'13                  | 12° 1                            | 18°28<br>20° 3 | 12° 7<br>13° 9 | 18°17                   | 2°51<br>3° 4                       | 3°41<br>3°42                     | 2°31          | 16°33<br>16°34 | 27°18          | 13°49           | 15° 2                   | 24°36          | 14°27           | F 22<br>S 23 |
| S 23        | 4 4 9              | 29°45'52                  | 24° 6                            |                |                | 19° 3                   | 3 4                                | -                                | 2°29          |                | 27°17          | 13°41           | 14°59                   | 24°43          | 14°23           |              |
| S 24        | 4 8 6              | 0 <b>х</b> 46′33          | 6ML22                            | 21°38          | 14°11          | 19°49                   | 3°18                               | 3°44                             | 2°27          | 16°35          | 27°17          | 13°32           | 14°56                   | 24°49          | 14°20           | S 24         |
| M25         | 4 12 2             | 1°47'15                   | 18°50                            | 23°13          | 15°14          | 20°35                   | 3°31                               | 3°46                             | 2°25          | 16°36          | 27°16          | 13°24           | 14°53                   | 24°56          | 14°16           | M25          |
| T 26        | 4 15 59            | 2°47'59                   | 1 <b>×</b> <sup>7</sup> 31       | 24°48          | 16°17          | 21°21                   | 3°45                               | 3°48                             | 2°23          | 16°37          | 27°15          | 13°17           | 14°50                   | 25° 3          | 14°13           | T 26         |
| W27<br>T 28 | 4 19 56            | 3°48'44                   | 14°26<br>27°32                   | 26°23<br>27°57 | 17°21<br>18°25 | 22° 7<br>22°54          | 3°58                               | 3°49<br>3°52                     | 2°21<br>2°19  | 16°38<br>16°38 | 27°15<br>27°14 | 13°12<br>13° 9  | 14°47                   | 25° 9<br>25°16 | 14° 9<br>14° 6  | W27<br>T 28  |
| F 29        | 4 23 52<br>4 27 49 | 4°49'30<br>5°50'18        | 10 <b>る</b> 50                   | 2/°5/<br>29°32 | 18°25<br>19°29 | 22°54<br>23°40          | 4°11<br>4°25                       | 3°52<br>3°54                     | 2°19<br>2°17  | 16°38<br>16°39 | 27°14<br>27°13 | 13° 9<br>13°D 8 | 14°43<br>14°40          | 25°16<br>25°23 | 14° 6<br>14° 2  | F 29         |
| S 30        | 4 31 45            | 5 30 18 6 <b>×</b> 751'07 | 10 <b>3</b> 30<br>24 <b>る</b> 20 | 1 <b>×7</b> 7  | 20 <b>₽</b> 34 | 23 40<br>24 <b>중</b> 26 | 4 23<br>4 <b>×</b> <sup>7</sup> 38 | 3 <del>34</del><br>3 <b>∺</b> 56 | 2 <b>8</b> 15 | 16 Tg 40       | 279512         | 13号 8           | 14 40<br>14 <b>궁</b> 37 | 25 m/30        | 13 <b>II</b> 59 | S 30         |

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| Day  | Sid.t   | 0                 | D              | ğ              | φ              | ď              | 4               | ħ              | )វ(           | <del>¥</del>    | В      | n              | Ω              | Ç              | ķ               | Day  |
|------|---------|-------------------|----------------|----------------|----------------|----------------|-----------------|----------------|---------------|-----------------|--------|----------------|----------------|----------------|-----------------|------|
| S 1  | 4 35 42 | 7 <b>₹</b> 751'56 | 8 <b>≈</b> 0   | 2 <b>√</b> 41  | 21 <b>≏</b> 38 | 25 <b>ට</b> 13 | 4 <b>₹</b> 152  | 3 <b>)</b> €58 | 2°R13         | 16 <b>m</b> )41 | 27°R12 | 13 <b>る</b> 10 | 14중34          | 25 <b>m</b> 36 | 13°R55          | S 1  |
| M 2  | 4 39 38 | 8°52'47           | 21°50          | 4°16           | 22°43          | 25°59          | 5° 5            | 4° 1           | 2811          | 16°41           | 279511 | 13°11          | 14°31          | 25°43          | 13 <b>II</b> 52 | M 2  |
| T 3  | 4 43 35 | 9°53'38           | 5 <b>)</b> (50 | 5°50           | 23°49          | 26°45          | 5°19            | 4° 3           | 2°10          | 16°42           | 27°10  | 13°R12         | 14°28          | 25°50          | 13°48           | T 3  |
| W 4  | 4 47 31 | 10°54'30          | 19°58          | 7°24           | 24°54          | 27°32          | 5°32            | 4° 6           | 2°8           | 16°42           | 27° 9  | 13°12          | 14°24          | 25°56          | 13°45           | W 4  |
| T 5  | 4 51 28 | 11°55'23          | <b>4Υ</b> 15   | 8°59           | 26° 0          | 28°18          | 5°45            | 4° 9           | 2° 6          | 16°43           | 27° 8  | 13°10          | 14°21          | 26° 3          | 13°41           | T 5  |
| F 6  | 4 55 25 | 12°56'16          | 18°36          | 10°33          | 27° 6          | 29° 5          | 5°59            | 4°11           | 2° 4          | 16°43           | 27° 8  | 13° 7          | 14°18          | 26°10          | 13°38           | F 6  |
| S 7  | 4 59 21 | 13°57'11          | 2 <b>8</b> 57  | 12° 7          | 28°13          | 29°51          | 6°12            | 4°14           | 2° 3          | 16°44           | 27° 7  | 13° 3          | 14°15          | 26°17          | 13°34           | S 7  |
| S 8  | 5 3 18  | 14°58'06          | 17°15          | 13°41          | 29°19          | 0≈38           | 6°25            | 4°17           | 2° 1          | 16°44           | 27° 6  | 12°58          | 14°12          | 26°23          | 13°30           | S 8  |
| M 9  | 5 7 14  | 15°59'02          | 1 <b>Ⅲ</b> 24  | 15°15          | 0 <b>M</b> 26  | 1°24           | 6°39            | 4°20           | 2° 0          | 16°45           | 27° 5  | 12°54          | 14° 8          | 26°30          | 13°27           | M 9  |
| T 10 | 5 11 11 | 16°59'59          | 15°19          | 16°50          | 1°33           | 2°11           | 6°52            | 4°24           | 1°58          | 16°45           | 27° 4  | 12°51          | 14° 5          | 26°37          | 13°23           | T 10 |
| W11  | 5 15 7  | 18° 0'57          | 28°56          | 18°24          | 2°41           | 2°58           | 7° 5            | 4°27           | 1°57          | 16°45           | 27° 3  | 12°49          | 14° 2          | 26°43          | 13°20           | W11  |
| T 12 | 5 19 4  | 19° 1'56          | 129514         | 19°58          | 3°48           | 3°44           | 7°19            | 4°30           | 1°55          | 16°46           | 27° 2  | 12°D48         | 13°59          | 26°50          | 13°16           | T 12 |
| F 13 | 5 23 0  | 20° 2'56          | 25°10          | 21°33          | 4°56           | 4°31           | 7°32            | 4°34           | 1°54          | 16°46           | 27° 1  | 12°49          | 13°56          | 26°57          | 13°13           | F 13 |
| S 14 | 5 26 57 | 21° 3'57          | 7 <b>Ω</b> 48  | 23° 7          | 6° 4           | 5°18           | 7°45            | 4°37           | 1°52          | 16°46           | 27° 0  | 12°50          | 13°53          | 27° 4          | 13° 9           | S 14 |
| S 15 | 5 30 54 | 22° 4'58          | 20° 8          | 24°42          | 7°12           | 6° 4           | 7°58            | 4°41           | 1°51          | 16°46           | 26°59  | 12°52          | 13°49          | 27°10          | 13° 6           | S 15 |
| M16  | 5 34 50 | 23° 6'01          | 2 Mp 14        | 26°17          | 8°21           | 6°51           | 8°12            | 4°45           | 1°50          | 16°46           | 26°58  | 12°53          | 13°46          | 27°17          | 13° 2           | M16  |
| T 17 | 5 38 47 | 24° 7'04          | 14°11          | 27°51          | 9°29           | 7°38           | 8°25            | 4°49           | 1°48          | 16°47           | 26°57  | 12°54          | 13°43          | 27°24          | 12°59           | T 17 |
| W18  | 5 42 43 | 25° 8'09          | 26° 4          | 29°26          | 10°38          | 8°25           | 8°38            | 4°53           | 1°47          | 16°47           | 26°56  | 12°R55         | 13°40          | 27°30          | 12°55           | W18  |
| T 19 | 5 46 40 | 26° 9'14          | 7 <b>≙</b> 56  | 1る 2           | 11°47          | 9°11           | 8°51            | 4°57           | 1°46          | 16°47           | 26°55  | 12°54          | 13°37          | 27°37          | 12°52           | T 19 |
| F 20 | 5 50 36 | 27°10'20          | 19°54          | 2°37           | 12°56          | 9°58           | 9° 4            | 5° 1           | 1°45          | 16°R47          | 26°54  | 12°53          | 13°34          | 27°44          | 12°48           | F 20 |
| S 21 | 5 54 33 | 28°11'27          | 2 <b>m</b> 1   | 4°12           | 14° 5          | 10°45          | 9°17            | 5° 5           | 1°44          | 16°47           | 26°52  | 12°51          | 13°30          | 27°51          | 12°45           | S 21 |
| S 22 | 5 58 29 | 29°12'34          | 14°21          | 5°48           | 15°14          | 11°32          | 9°30            | 5° 9           | 1°43          | 16°47           | 26°51  | 12°49          | 13°27          | 27°57          | 12°41           | S 22 |
| M23  | 6 2 26  | 0 <b>る</b> 13'43  | 26°57          | 7°24           | 16°24          | 12°19          | 9°43            | 5°13           | 1°42          | 16°47           | 26°50  | 12°47          | 13°24          | 28° 4          | 12°38           | M23  |
| T 24 | 6 6 23  | 1°14'52           | 9 <b>才</b> 50  | 9° 0           | 17°34          | 13° 6          | 9°56            | 5°18           | 1°41          | 16°46           | 26°49  | 12°45          | 13°21          | 28°11          | 12°35           | T 24 |
| W25  | 6 10 19 | 2°16'01           | 23° 2          | 10°36          | 18°44          | 13°53          | 10° 9           | 5°22           | 1°40          | 16°46           | 26°48  | 12°44          | 13°18          | 28°18          | 12°31           | W25  |
| T 26 | 6 14 16 | 3°17'11           | 6 <b>ප</b> 31  | 12°12          | 19°54          | 14°40          | 10°22           | 5°27           | 1°39          | 16°46           | 26°47  | 12°D44         | 13°14          | 28°24          | 12°28           | T 26 |
| F 27 | 6 18 12 | 4°18'22           | 20°16          | 13°49          | 21° 4          | 15°27          | 10°35           | 5°32           | 1°38          | 16°46           | 26°45  | 12°44          | 13°11          | 28°31          | 12°25           | F 27 |
| S 28 | 6 22 9  | 5°19'32           | 4≈14           | 15°25          | 22°14          | 16°14          | 10°48           | 5°36           | 1°38          | 16°46           | 26°44  | 12°44          | 13° 8          | 28°38          | 12°22           | S 28 |
| S 29 | 6 26 5  | 6°20'42           | 18°21          | 17° 1          | 23°24          | 17° 1          | 11° 1           | 5°41           | 1°37          | 16°45           | 26°43  | 12°45          | 13° 5          | 28°44          | 12°18           | S 29 |
| M30  | 6 30 2  | 7°21'53           | 2 <b>)</b> 33  | 18°38          | 24°35          | 17°48          | 11°14           | 5°46           | 1°36          | 16°45           | 26°42  | 12°45          | 13° 2          | 28°51          | 12°15           | M30  |
| T 31 | 6 33 59 | 8 <b>궁</b> 23'03  | 16 <b>∺</b> 48 | 20 <b>궁</b> 14 | 25 <b>M</b> 45 | 18 <b>≈</b> 35 | 11 <b>×</b> 126 | 5 <b>米</b> 51  | 1 <b>8</b> 36 | 16 <b>M</b> )45 | 269541 | 12 <b>る</b> 46 | 12 <b>る</b> 59 | 28 <b>m</b> 58 | 12 <b>Ⅱ</b> 12  | T 31 |

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| Day         | Sid.t             | 0                    | D                      | ğ              | φ              | ♂                      | 4               | ħ             | )Å(          | ¥               | Р              | n              | v              | ţ                     | Q<br>K          | Day         |
|-------------|-------------------|----------------------|------------------------|----------------|----------------|------------------------|-----------------|---------------|--------------|-----------------|----------------|----------------|----------------|-----------------------|-----------------|-------------|
| W 1         | 6 37 55           | 9 <b>ට</b> 24'13     | 1 <b>Υ</b> 2           | 21 <b>ට</b> 51 | 26M56          | 19 <b>≈</b> 22         | 11 <b>×</b> 739 | 5 <b>¥</b> 56 | 1°R35        | 16°R44          | 26°R39         | 12 <b>る</b> 46 | 12 <b>る</b> 55 | 29 M 5                | 12°R 9          | W 1         |
| T 2         | 6 41 52           | 10°25'23             | 15°13                  | 23°27          | 28° 7          | 20° 9                  | 11°52           | 6° 1          | 1835         | 16 <b>m</b> 44  | 26938          | 12°R46         | 12°52          | 29°11                 | 12 <b>I</b> I 6 | T 2         |
| F 3         | 6 45 48           | 11°26'32             | 29°19                  | 25° 2          | 29°18          | 20°56                  | 12° 4           | 6° 6          | 1°34         | 16°43           | 26°37          | 12°46          | 12°49          | 29°18                 | 12° 3           | F 3         |
| S 4         | 6 49 45           | 12°27'42             | 13 <b>8</b> 17         | 26°38          | 0 <b>才</b> 29  | 21°43                  | 12°17           | 6°12          | 1°34         | 16°43           | 26°36          | 12°D46         | 12°46          | 29°25                 | 12° 0           | S 4         |
| S 5         | 6 53 41           | 13°28'51             | 27° 6                  | 28°12          | 1°40           | 22°30                  | 12°29           | 6°17          | 1°34         | 16°42           | 26°34          | 12°46          | 12°43          | 29°31                 | 11°57           | S 5         |
| M 6         | 6 57 38           | 14°30'00             | 10 <b>Ⅱ</b> 45         | 29°46          | 2°51           | 23°17                  | 12°42           | 6°22          | 1°33         | 16°42           | 26°33          | 12°46          | 12°40          | 29°38                 | 11°54           | M 6         |
| T 7         | 7 1 34            | 15°31'08             | 24°12                  | 1≈19           | 4° 2           | 24° 4                  | 12°54           | 6°28          | 1°33         | 16°41           | 26°32          | 12°46          | 12°36          | 29°45                 | 11°52           | T 7         |
| W 8         | 7 5 31            | 16°32'17             | 7925                   | 2°51           | 5°14           | 24°51                  | 13° 6           | 6°33          | 1°33         | 16°41           | 26°30          | 12°R47         | 12°33          | 29°52                 | 11°49           | W 8         |
| T 9<br>F 10 | 7 9 28<br>7 13 24 | 17°33'25<br>18°34'33 | 20°24<br>3 <b>Ω</b> 9  | 4°21<br>5°49   | 6°25<br>7°37   | 25°38<br>26°25         | 13°19<br>13°31  | 6°39<br>6°45  | 1°33<br>1°33 | 16°40<br>16°39  | 26°29<br>26°28 | 12°46<br>12°46 | 12°30<br>12°27 | 29°58<br>0 <b>♀</b> 5 | 11°46<br>11°43  | T 9<br>F 10 |
| S 11        | 7 17 21           | 18 34 33<br>19°35'40 | 15°39                  | 7°15           | 8°49           | 20°23                  | 13°43           | 6°50          | 1°D33        | 16°38           | 26°26          | 12°46          | 12°24          | 0°12                  | 11°43           | S 11        |
|             |                   |                      |                        |                |                |                        |                 |               |              |                 |                |                |                | -                     |                 |             |
| S 12        | 7 21 17           | 20°36'48             | 27°56                  | 8°38           | 10° 0          | 27°59                  | 13°55           | 6°56          | 1°33         | 16°38           | 26°25          | 12°44          | 12°20          | 0°18                  | 11°38           | S 12        |
| M13         | 7 25 14           | 21°37'55             | 10 m 2                 | 9°58           | 11°12          | 28°46                  | 14° 7           | 7° 2          | 1°33         | 16°37           | 26°24          | 12°43          | 12°17          | 0°25                  | 11°36           | M13         |
| T 14<br>W15 | 7 29 10<br>7 33 7 | 22°39'02<br>23°40'09 | 21°59<br>3 <b>Ω</b> 52 | 11°13<br>12°25 | 12°24<br>13°36 | 29°33<br>0 <b>∺</b> 20 | 14°19<br>14°31  | 7° 8<br>7°14  | 1°33<br>1°33 | 16°36<br>16°35  | 26°23<br>26°21 | 12°42<br>12°41 | 12°14<br>12°11 | 0°32<br>0°39          | 11°33<br>11°31  | T 14<br>W15 |
| T 16        | 7 37 3            | 23 40 09<br>24°41'16 | 15°44                  | 12 23<br>13°31 | 13 30<br>14°48 | 1° 7                   | 14°43           | 7°20          | 1°34         | 16°34           | 26°20          | 12°40          | 12 11<br>12° 8 | 0°45                  | 11°29           | T 16        |
| F 17        | 7 41 0            | 25°42'22             | 27°41                  | 14°31          | 16° 0          | 1°54                   | 14°54           | 7°26          | 1°34         | 16°34           | 26°19          | 12°D40         | 12° 5          | 0°52                  | 11°26           | F 17        |
| S 18        | 7 44 57           | 26°43'28             | 9 <b>M</b> .46         | 15°24          | 17°12          | 2°40                   | 15° 6           | 7°32          | 1°34         | 16°33           | 26°17          | 12°40          | 12° 1          | 0°59                  | 11°24           | S 18        |
| S 19        | 7 48 53           | 27°44'34             | 22° 4                  | 16° 9          | 18°25          | 3°27                   | 15°18           | 7°38          | 1°35         | 16°32           | 26°16          | 12°41          | 11°58          | 1° 6                  | 11°22           | S 19        |
| M20         | 7 52 50           | 28°45'40             | 4 <b>₹</b> 40          | 16°46          | 19°37          | 4°14                   | 15°29           | 7°45          | 1°35         | 16°31           | 26°15          | 12°43          | 11°55          | 1°12                  | 11°20           | M20         |
| T 21        | 7 56 46           | 29°46'45             | 17°37                  | 17°13          | 20°49          | 5° 1                   | 15°41           | 7°51          | 1°36         | 16°30           | 26°13          | 12°44          | 11°52          | 1°19                  | 11°18           | T 21        |
| W22         | 8 0 43            | 0≈47'50              | 0 <b>궁</b> 57          | 17°30          | 22° 2          | 5°48                   | 15°52           | 7°57          | 1°36         | 16°29           | 26°12          | 12°45          | 11°49          | 1°26                  | 11°16           | W22         |
| T 23        | 8 4 39            | 1°48'55              | 14°41                  | 17°R37         | 23°14          | 6°35                   | 16° 3           | 8° 3          | 1°37         | 16°28           | 26°11          | 12°R45         | 11°46          | 1°32                  | 11°14           | T 23        |
| F 24        | 8 8 36            | 2°49'58              | 28°47                  | 17°31          | 24°27          | 7°22                   | 16°15           | 8°10          | 1°38         | 16°27           | 26° 9          | 12°45          | 11°42          | 1°39                  | 11°12           | F 24        |
| S 25        | 8 12 32           | 3°51'01              | 13 <b>≈</b> 12         | 17°15          | 25°39          | 8° 9                   | 16°26           | 8°16          | 1°38         | 16°25           | 26° 8          | 12°43          | 11°39          | 1°46                  | 11°10           | S 25        |
| S 26        | 8 16 29           | 4°52'03              | 27°49                  | 16°46          | 26°52          | 8°56                   | 16°37           | 8°23          | 1°39         | 16°24           | 26° 7          | 12°40          | 11°36          | 1°53                  | 11° 9           | S 26        |
| M27         | 8 20 26           | 5°53'04              | 12 <b>)</b> (31        | 16° 7          | 28° 5          | 9°43                   | 16°48           | 8°29          | 1°40         | 16°23           | 26° 5          | 12°37          | 11°33          | 1°59                  | 11° 7           | M27         |
| T 28        | 8 24 22           | 6°54'04              | 27°12                  | 15°18          | 29°18          | 10°29                  | 16°59           | 8°36          | 1°41         | 16°22           | 26° 4          | 12°34          | 11°30          | 2° 6                  | 11° 6           | T 28        |
| W29         | 8 28 19           | 7°55'03              | 11 <b>Y</b> 45         | 14°20          | 0 <b>궁</b> 30  | 11°16                  | 17° 9           | 8°43          | 1°42         | 16°21           | 26° 3          | 12°31          | 11°26          | 2°13                  | 11° 4           | W29         |
| T 30        | 8 32 15           | 8°56'00              | 26° 5                  | 13°15          | 1°43           | 12° 3                  | 17°20           | 8°49          | 1°43         | 16°19           | 26° 2          | 12°29          | 11°23          | 2°19                  | 11° 3           | T 30        |
| F 31        | 8 36 12           | 9≈56'56              | 10810                  | 12 <b>≈</b> 5  | 2 <b>ප්</b> 56 | 12 <b>米</b> 50         | 17 <b>×</b> 731 | 8 <b>∺</b> 56 | 1844         | 16 <b>m</b> )18 | 269 0          | 12°D28         | 11 <b>る</b> 20 | 2 <b>₾</b> 26         | 11 <b>I</b> 1   | F 31        |

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|------|----------|--------------------|----------------|--------|-------|-----------------|-----------------|----------------|---------------|-----------------|--------|----------------|----------------|---------------|----------------|------|
| S 1  | 8 40 8   | 10≈57'51           | 23 <b>8</b> 58 | 10°R51 | 4궁 9  | 13 <b>)</b> (37 | 17 <b>⁄7</b> 41 | 9 <b>∺</b> 3   | 1 <b>8</b> 45 | 16°R17          | 25°R59 | 12 <b>る</b> 29 | 11 <b>궁</b> 17 | 2 <b>₽</b> 33 | 11°R 0         | S 1  |
| S 2  | 8 44 5   | 11°58'45           | 7 <b>耳</b> 30  | 9≈37   | 5°22  | 14°23           | 17°52           | 9°10           | 1°46          | 16 <b>m</b> )16 | 25958  | 12°30          | 11°14          | 2°40          | 10 <b>П</b> 59 | S 2  |
| M 3  | 8 48 1   | 12°59'37           | 20°46          | 8°24   | 6°35  | 15°10           | 18° 2           | 9°17           | 1°47          | 16°14           | 25°56  | 12°32          | 11°11          | 2°46          | 10°58          | M 3  |
| T 4  | 8 51 58  | 14° 0'28           | 39548          | 7°14   | 7°48  | 15°57           | 18°12           | 9°23           | 1°48          | 16°13           | 25°55  | 12°33          | 11° 7          | 2°53          | 10°57          | T 4  |
| W 5  | 8 55 55  | 15° 1'18           | 16°37          | 6° 9   | 9° 1  | 16°43           | 18°22           | 9°30           | 1°50          | 16°12           | 25°54  | 12°R34         | 11° 4          | 3° 0          | 10°56          | W 5  |
| T 6  | 8 59 51  | 16° 2'06           | 29°15          | 5° 9   | 10°14 | 17°30           | 18°32           | 9°37           | 1°51          | 16°10           | 25°53  | 12°32          | 11° 1          | 3° 7          | 10°55          | T 6  |
| F 7  | 9 3 48   | 17° 2'53           | 11 <b>Ω</b> 43 | 4°17   | 11°27 | 18°17           | 18°42           | 9°44           | 1°52          | 16° 9           | 25°51  | 12°29          | 10°58          | 3°13          | 10°54          | F 7  |
| S 8  | 9 7 44   | 18° 3'39           | 24° 0          | 3°33   | 12°40 | 19° 3           | 18°52           | 9°51           | 1°54          | 16° 7           | 25°50  | 12°24          | 10°55          | 3°20          | 10°53          | S 8  |
| S 9  | 9 11 41  | 19° 4'23           | 6 <b>m</b> )10 | 2°57   | 13°53 | 19°50           | 19° 2           | 9°58           | 1°55          | 16° 6           | 25°49  | 12°18          | 10°52          | 3°27          | 10°53          | S 9  |
| M10  | 9 15 37  | 20° 5'06           | 18°11          | 2°29   | 15° 6 | 20°36           | 19°11           | 10° 5          | 1°57          | 16° 5           | 25°48  | 12°11          | 10°48          | 3°33          | 10°52          | M10  |
| T 11 | 9 19 34  | 21° 5'48           | 0요 7           | 2° 9   | 16°20 | 21°23           | 19°21           | 10°12          | 1°58          | 16° 3           | 25°47  | 12° 3          | 10°45          | 3°40          | 10°51          | T 11 |
| W12  | 9 23 30  | 22° 6'29           | 12° 0          | 1°57   | 17°33 | 22° 9           | 19°30           | 10°19          | 2° 0          | 16° 2           | 25°45  | 11°56          | 10°42          | 3°47          | 10°51          | W12  |
| T 13 | 9 27 27  | 23° 7'09           | 23°51          | 1°D53  | 18°46 | 22°55           | 19°39           | 10°27          | 2° 2          | 16° 0           | 25°44  | 11°51          | 10°39          | 3°54          | 10°51          | T 13 |
| F 14 | 9 31 24  | 24° 7'47           | 5 <b>M</b> .46 | 1°56   | 20° 0 | 23°42           | 19°48           | 10°34          | 2° 3          | 15°59           | 25°43  | 11°47          | 10°36          | 4° 0          | 10°50          | F 14 |
| S 15 | 9 35 20  | 25° 8'24           | 17°48          | 2° 5   | 21°13 | 24°28           | 19°57           | 10°41          | 2° 5          | 15°57           | 25°42  | 11°45          | 10°32          | 4° 7          | 10°50          | S 15 |
| S 16 | 9 39 17  | 26° 9'01           | 0 <b>≯</b> 2   | 2°21   | 22°26 | 25°15           | 20° 6           | 10°48          | 2° 7          | 15°56           | 25°41  | 11°D44         | 10°29          | 4°14          | 10°50          | S 16 |
| M17  | 9 43 13  | 27° 9'36           | 12°33          | 2°43   | 23°40 | 26° 1           | 20°15           | 10°55          | 2° 9          | 15°54           | 25°40  | 11°45          | 10°26          | 4°20          | 10°50          | M17  |
| T 18 | 9 47 10  | 28°10'09           | 2 <u>5</u> °25 | 3°11   | 24°53 | 26°47           | 20°24           | 11° 2          | 2°11          | 15°52           | 25°39  | 11°47          | 10°23          | 4°27          | 10°D50         | T 18 |
| W19  | 9 51 6   | 29°10'42           | 8 <b>궁</b> 43  | 3°43   | 26° 7 | 27°33           | 20°32           | 11°10          | 2°13          | 15°51           | 25°38  | 11°R48         | 10°20          | 4°34          | 10°50          | W19  |
| T 20 | 9 55 3   | 0 <b>) (</b> 11′13 | 22°29          | 4°20   | 27°20 | 28°20           | 20°41           | 11°17          | 2°15          | 15°49           | 25°37  | 11°47          | 10°17          | 4°41          | 10°50          | T 20 |
| F 21 | 9 58 59  | 1°11'43            | 6≈43           | 5° 2   | 28°34 | 29° 6           | 20°49           | 11°24          | 2°17          | 15°48           | 25°36  | 11°45          | 10°13          | 4°47          | 10°50          | F 21 |
| S 22 | 10 2 56  | 2°12'11            | 21°21          | 5°47   | 29°47 | 29°52           | 20°57           | 11°32          | 2°19          | 15°46           | 25°35  | 11°40          | 10°10          | 4°54          | 10°50          | S 22 |
| S 23 | 10 6 53  | 3°12'38            | 6 <b>∺</b> 19  | 6°36   | 1≈ 1  | 0 <b>Υ</b> 38   | 21° 5           | 11°39          | 2°21          | 15°44           | 25°34  | 11°33          | 10° 7          | 5° 1          | 10°51          | S 23 |
| M24  | 10 10 49 | 4°13'03            | 21°26          | 7°29   | 2°14  | 1°24            | 21°13           | 11°46          | 2°23          | 15°43           | 25°33  | 11°25          | 10° 4          | 5° 8          | 10°51          | M24  |
| T 25 | 10 14 46 | 5°13'26            | 6 <b>Ƴ</b> 33  | 8°24   | 3°28  | 2°10            | 21°21           | 11°53          | 2°25          | 15°41           | 25°32  | 11°16          | 10° 1          | 5°14          | 10°52          | T 25 |
| W26  | 10 18 42 | 6°13'47            | 21°30          | 9°23   | 4°41  | 2°56            | 21°28           | 12° 1          | 2°27          | 15°40           | 25°31  | 11° 9          | 9°58           | 5°21          | 10°52          | W26  |
| T 27 | 10 22 39 | 7°14'06            | 6 <b>8</b> 9   | 10°24  | 5°55  | 3°42            | 21°36           | 12° 8          | 2°29          | 15°38           | 25°30  | 11° 3          | 9°54           | 5°28          | 10°53          | T 27 |
| F 28 | 10 26 35 | 8°14'24            | 20°26          | 11°27  | 7° 8  | 4°28            | 21°43           | 12°15          | 2°32          | 15°36           | 25°29  | 10°59          | <u>9</u> °51   | 5°34          | 10°54          | F 28 |
| S 29 | 10 30 32 | 9 <b>)</b> 14'39   | 4 <b>Ⅱ</b> 17  | 12≈33  | 8≈22  | 5 <b>Υ</b> 14   | 21 <b>×</b> 750 | 12 <b>米</b> 23 | 2 <b>8</b> 34 | 15 <b>M</b> 35  | 259528 | 10°D57         | 9 <b>궁</b> 48  | 5 <b>≏</b> 41 | 10耳55          | S 29 |

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| Day  | Sid.t    | 0                 | D                | ğ              | Ŷ              | ð              | 4               | ħ              | )f(           | ¥               | Р      | ß              | S             | Ç             | ę,              | Day  |
|------|----------|-------------------|------------------|----------------|----------------|----------------|-----------------|----------------|---------------|-----------------|--------|----------------|---------------|---------------|-----------------|------|
| S 1  | 10 34 28 | 10 <b>)</b> 14'53 | 17 <b>Ⅱ</b> 45   | 13≈41          | 9≈35           | 6 <b>Υ</b> 0   | 21 <b>~</b> 158 | 12 <b>)</b> 30 | 2 <b>8</b> 36 | 15°R33          | 25°R27 | 10 <b>궁</b> 58 | 9 <b>ට</b> 45 | 5 <b>≙</b> 48 | 10耳56           | S 1  |
| M 2  | 10 38 25 | 11°15'04          | 0951             | 14°52          | 10°49          | 6°46           | 22° 4           | 12°38          | 2°39          | 15 <b>m</b> y31 | 25926  | 10°58          | 9°42          | 5°55          | 10°57           | M 2  |
| T 3  | 10 42 22 | 12°15'13          | 13°39            | 16° 4          | 12° 3          | 7°32           | 22°11           | 12°45          | 2°41          | 15°30           | 25°25  | 10°R59         | 9°38          | 6° 1          | 10°58           | T 3  |
| W 4  | 10 46 18 | 13°15'20          | 26°12            | 17°18          | 13°16          | 8°17           | 22°18           | 12°52          | 2°44          | 15°28           | 25°24  | 10°57          | 9°35          | 6° 8          | 10°59           | W 4  |
| T 5  | 10 50 15 | 14°15'25          | 8 <b>Ω</b> 34    | 18°34          | 14°30          | 9° 3           | 22°24           | 13° 0          | 2°46          | 15°26           | 25°24  | 10°54          | 9°32          | 6°15          | 11° 0           | T 5  |
| F 6  | 10 54 11 | 15°15'28          | 20°46            | 19°51          | 15°44          | 9°49           | 22°31           | 13° 7          | 2°49          | 15°25           | 25°23  | 10°47          | 9°29          | 6°22          | 11° 1           | F 6  |
| S 7  | 10 58 8  | 16°15'29          | 2 <b>m</b> 52    | 21°10          | 16°57          | 10°34          | 22°37           | 13°14          | 2°51          | 15°23           | 25°22  | 10°38          | 9°26          | 6°28          | 11° 3           | S 7  |
| S 8  | 11 2 4   | 17°15'28          | 14°52            | 22°31          | 18°11          | 11°20          | 22°43           | 13°22          | 2°54          | 15°21           | 25°21  | 10°27          | 9°23          | 6°35          | 11° 4           | S 8  |
| M 9  | 11 6 1   | 18°15'25          | 26°49            | 23°53          | 19°25          | 12° 5          | 22°49           | 13°29          | 2°57          | 15°20           | 25°20  | 10°14          | 9°19          | 6°42          | 11° 5           | M 9  |
| T 10 | 11 9 57  | 19°15'20          | 8 <b>≏</b> 42    | 25°16          | 20°38          | 12°51          | 22°54           | 13°36          | 2°59          | 15°18           | 25°20  | 10° 1          | 9°16          | 6°48          | 11° 7           | T 10 |
| W11  | 11 13 54 | 20°15'13          | 20°34            | 26°41          | 21°52          | 13°36          | 23° 0           | 13°44          | 3° 2          | 15°16           | 25°19  | 9°48           | 9°13          | 6°55          | 11° 9           | W11  |
| T 12 | 11 17 51 | 21°15'04          | 2 <b>M</b> 27    | 28° 8          | 23° 6          | 14°22          | 23° 5           | 13°51          | 3° 5          | 15°15           | 25°18  | 9°37           | 9°10          | 7° 2          | 11°10           | T 12 |
| F 13 | 11 21 47 | 22°14'54          | 14°23            | 29°35          | 24°19          | 15° 7          | 23°10           | 13°58          | 3° 8          | 15°13           | 25°18  | 9°29           | 9° 7          | 7° 9          | 11°12           | F 13 |
| S 14 | 11 25 44 | 23°14'42          | 26°25            | 1 <b>)</b> 4   | 25°33          | 15°52          | 23°16           | 14° 6          | 3°10          | 15°11           | 25°17  | 9°23           | 9° 3          | 7°15          | 11°14           | S 14 |
| S 15 | 11 29 40 | 24°14'28          | 8 <b>∡</b> 37    | 2°35           | 26°47          | 16°38          | 23°20           | 14°13          | 3°13          | 15°10           | 25°17  | 9°20           | 9° 0          | 7°22          | 11°16           | S 15 |
| M16  | 11 33 37 | 25°14'13          | 21° 4            | 4° 6           | 28° 1          | 17°23          | 23°25           | 14°20          | 3°16          | 15° 8           | 25°16  | 9°D19          | 8°57          | 7°29          | 11°18           | M16  |
| T 17 | 11 37 33 | 26°13'56          | 3 <b>る</b> 50    | 5°39           | 29°14          | 18° 8          | 23°30           | 14°27          | 3°19          | 15° 6           | 25°15  | 9°R19          | 8°54          | 7°35          | 11°20           | T 17 |
| W18  | 11 41 30 | 27°13'37          | 17° 1            | 7°14           | 0 <b>∺</b> 28  | 18°53          | 23°34           | 14°35          | 3°22          | 15° 5           | 25°15  | 9°19           | 8°51          | 7°42          | 11°22           | W18  |
| T 19 | 11 45 26 | 28°13'17          | 0≈39             | 8°49           | 1°42           | 19°38          | 23°38           | 14°42          | 3°25          | 15° 3           | 25°14  | 9°17           | 8°48          | 7°49          | 11°24           | T 19 |
| F 20 | 11 49 23 | 29°12'54          | 14°47            | 10°26          | 2°56           | 20°23          | 23°42           | 14°49          | 3°28          | 15° 2           | 25°14  | 9°14           | 8°44          | 7°56          | 11°26           | F 20 |
| S 21 | 11 53 20 | 0 <b>Υ</b> 12'30  | 29°24            | 12° 4          | 4° 9           | 21° 8          | 23°46           | 14°56          | 3°31          | 15° 0           | 25°13  | 9° 7           | 8°41          | 8° 2          | 11°29           | S 21 |
| S 22 | 11 57 16 | 1°12'04           | 14 <b>) (</b> 24 | 13°43          | 5°23           | 21°53          | 23°50           | 15° 4          | 3°34          | 14°58           | 25°13  | 8°58           | 8°38          | 8° 9          | 11°31           | S 22 |
| M23  | 12 1 13  | 2°11'36           | 29°40            | 15°24          | 6°37           | 22°38          | 23°53           | 15°11          | 3°37          | 14°57           | 25°13  | 8°47           | 8°35          | 8°16          | 11°34           | M23  |
| T 24 | 12 5 9   | 3°11'06           | 15 <b>Y</b> 1    | 17° 6          | 7°51           | 23°23          | 23°57           | 15°18          | 3°40          | 14°55           | 25°12  | 8°36           | 8°32          | 8°23          | 11°36           | T 24 |
| W25  | 12 9 6   | 4°10'34           | 0814             | 18°49          | 9° 4           | 24° 8          | 24° 0           | 15°25          | 3°43          | 14°54           | 25°12  | 8°25           | 8°29          | 8°29          | 11°39           | W25  |
| T 26 | 12 13 2  | 5°10'00           | 15°10            | 20°33          | 10°18          | 24°53          | 24° 3           | 15°32          | 3°46          | 14°52           | 25°12  | 8°17           | 8°25          | 8°36          | 11°41           | T 26 |
| F 27 | 12 16 59 | 6° 9'23           | 29°41            | 22°19          | 11°32          | 25°37          | 24° 6           | 15°39          | 3°49          | 14°50           | 25°11  | 8°11           | 8°22          | 8°43          | 11°44           | F 27 |
| S 28 | 12 20 55 | 7° 8'45           | 13 <b>Ⅱ</b> 44   | 24° 6          | 12°46          | 26°22          | 24° 8           | 15°46          | 3°52          | 14°49           | 25°11  | 8° 8           | 8°19          | 8°49          | 11°47           | S 28 |
| S 29 | 12 24 52 | 8° 8'04           | 27°18            | 25°55          | 13°59          | 27° 7          | 24°11           | 15°53          | 3°56          | 14°47           | 25°11  | 8° 6           | 8°16          | 8°56          | 11°50           | S 29 |
| M30  | 12 28 49 | 9° 7'20           | 109526           | 27°45          | 15°13          | 27°51          | 24°13           | 16° 0          | 3°59          | 14°46           | 25°10  | 8° 6           | 8°13          | 9° 3          | 11°53           | M30  |
| T 31 | 12 32 45 | 10 <b>°</b> 6'35  | 239511           | 29 <b>米</b> 36 | 16 <b>∺</b> 27 | 28 <b>Y</b> 36 | 24 <b>×</b> 15  | 16 <b>米</b> 7  | 4 <b>8</b> 2  | 14 <b>M</b> 44  | 259510 | 8 පි           | 8 <b>ප</b> 9  | 9 <b>₾</b> 10 | 11 <b>II</b> 56 | T 31 |

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| Day  | Sid.t    | 0                | D              | ğ              | φ                | ♂              | 4               | ħ              | )f(           | ¥                | Р      | V             | Ω             | Ç              | ę,              | Day  |
|------|----------|------------------|----------------|----------------|------------------|----------------|-----------------|----------------|---------------|------------------|--------|---------------|---------------|----------------|-----------------|------|
| W 1  | 12 36 42 | 11 <b>°</b> 5'47 | 5 <b>Ω</b> 39  | 1 <b>Υ</b> 29  | 17 <b>) (</b> 41 | 29 <b>Y</b> 20 | 24 <b>×</b> 17  | 16 <b>)</b> 14 | 4 <b>8</b> 5  | 14°R43           | 25°R10 | 8°R 4         | 8 පි 6        | 9 <b>≏</b> 16  | 11 <b>II</b> 59 | W 1  |
| T 2  | 12 40 38 | 12° 4'56         | 17°52          | 3°23           | 18°54            | 0 <b>ප</b> 5   | 24°19           | 16°21          | 4° 9          | 14 Mp 42         | 25910  | 8 <b>궁</b> 0  | 8° 3          | 9°23           | 12° 2           | T 2  |
| F 3  | 12 44 35 | 13° 4'03         | 29°56          | 5°18           | 20° 8            | 0°49           | 24°20           | 16°28          | 4°12          | 14°40            | 25°10  | 7°53          | 8° 0          | 9°30           | 12° 5           | F 3  |
| S 4  | 12 48 31 | 14° 3'08         | 11 <b>m</b> 54 | 7°15           | 21°22            | 1°33           | 24°22           | 16°35          | 4°15          | 14°39            | 25°10  | 7°44          | 7°57          | 9°36           | 12° 8           | S 4  |
| S 5  | 12 52 28 | 15° 2'11         | 23°48          | 9°13           | 22°36            | 2°18           | 24°23           | 16°41          | 4°18          | 14°37            | 25°10  | 7°32          | 7°54          | 9°43           | 12°11           | S 5  |
| M 6  | 12 56 24 | 16° 1'12         | 5 <b>≏</b> 41  | 11°12          | 23°49            | 3° 2           | 24°24           | 16°48          | 4°22          | 14°36            | 25° 9  | 7°18          | 7°50          | 9°50           | 12°14           | M 6  |
| T 7  | 13 0 21  | 17° 0'10         | 17°34          | 13°13          | 25° 3            | 3°46           | 24°25           | 16°55          | 4°25          | 14°35            | 25° 9  | 7° 4          | 7°47          | 9°57           | 12°18           | T 7  |
| W 8  | 13 4 17  | 17°59'07         | 29°28          | 15°14          | 26°17            | 4°30           | 24°25           | 17° 2          | 4°28          | 14°33            | 25°D 9 | 6°50          | 7°44          | 10° 3          | 12°21           | W 8  |
| T 9  | 13 8 14  | 18°58'02         | 11 <b>M</b> 24 | 17°17          | 27°30            | 5°14           | 24°26           | 17° 8          | 4°32          | 14°32            | 25° 9  | 6°38          | 7°41          | 10°10          | 12°25           | T 9  |
| F 10 | 13 12 11 | 19°56'54         | 23°26          | 19°21          | 28°44            | 5°58           | 24°26           | 17°15          | 4°35          | 14°31            | 25° 9  | 6°29          | 7°38          | 10°17          | 12°28           | F 10 |
| S 11 | 13 16 7  | 20°55'45         | 5 <b>₹</b> 33  | 21°26          | 29°58            | 6°42           | 24°R26          | 17°21          | 4°38          | 14°29            | 25°10  | 6°22          | 7°35          | 10°24          | 12°32           | S 11 |
| S 12 | 13 20 4  | 21°54'34         | 17°50          | 23°32          | 1 <b>Υ</b> 12    | 7°26           | 24°26           | 17°28          | 4°42          | 14°28            | 25°10  | 6°19          | 7°31          | 10°30          | 12°35           | S 12 |
| M13  | 13 24 0  | 22°53'22         | 0 <b>云</b> 20  | 25°38          | 2°25             | 8°10           | 24°26           | 17°34          | 4°45          | 14°27            | 25°10  | 6°17          | 7°28          | 10°37          | 12°39           | M13  |
| T 14 | 13 27 57 | 23°52'08         | 13° 6          | 27°44          | 3°39             | 8°54           | 24°25           | 17°41          | 4°49          | 14°26            | 25°10  | 6°D17         | 7°25          | 10°44          | 12°43           | T 14 |
| W15  | 13 31 53 | 24°50'52         | 26°12          | 29°51          | 4°53             | 9°38           | 24°24           | 17°47          | 4°52          | 14°24            | 25°10  | 6°R17         | 7°22          | 10°50          | 12°46           | W15  |
| T 16 | 13 35 50 | 25°49'34         | 9 <b>≈</b> 43  | 1 <b>8</b> 57  | 6° 7             | 10°21          | 24°23           | 17°54          | 4°55          | 14°23            | 25°10  | 6°17          | 7°19          | 10°57          | 12°50           | T 16 |
| F 17 | 13 39 46 | 26°48'14         | 23°41          | 4° 3           | 7°20             | 11° 5          | 24°22           | 18° 0          | 4°59          | 14°22            | 25°10  | 6°14          | 7°15          | 11° 4          | 12°54           | F 17 |
| S 18 | 13 43 43 | 27°46'53         | 8 <b>∺</b> 5   | 6° 9           | 8°34             | 11°49          | 24°21           | 18° 6          | 5° 2          | 14°21            | 25°11  | 6° 9          | 7°12          | 11°11          | 12°58           | S 18 |
| S 19 | 13 47 40 | 28°45'30         | 22°53          | 8°13           | 9°48             | 12°32          | 24°20           | 18°12          | 5° 6          | 14°20            | 25°11  | 6° 2          | 7° 9          | 11°17          | 13° 2           | S 19 |
| M20  | 13 51 36 | 29°44'06         | 8 <b>Y</b> 0   | 10°16          | 11° 1            | 13°16          | 24°18           | 18°18          | 5° 9          | 14°19            | 25°11  | 5°52          | 7° 6          | 11°24          | 13° 6           | M20  |
| T 21 | 13 55 33 | 0842'39          | 23°15          | 12°17          | 12°15            | 13°59          | 24°16           | 18°25          | 5°13          | 14°18            | 25°12  | 5°43          | 7° 3          | 11°31          | 13°10           | T 21 |
| W22  | 13 59 29 | 1°41'11          | 8 <b>8</b> 28  | 14°16          | 13°29            | 14°43          | 24°14           | 18°31          | 5°16          | 14°17            | 25°12  | 5°33          | 7° 0          | 11°37          | 13°14           | W22  |
| T 23 | 14 3 26  | 2°39'41          | 23°28          | 16°13          | 14°43            | 15°26          | 24°12           | 18°37          | 5°19          | 14°16            | 25°12  | 5°26          | 6°56          | 11°44          | 13°18           | T 23 |
| F 24 | 14 7 22  | 3°38'09          | 8 <b>I</b> 7   | 18° 7          | 15°56            | 16°10          | 24°10           | 18°43          | 5°23          | 14°15            | 25°13  | 5°21          | 6°53          | 11°51          | 13°22           | F 24 |
| S 25 | 14 11 19 | 4°36'35          | 22°18          | 19°59          | 17°10            | 16°53          | 24° 7           | 18°48          | 5°26          | 14°14            | 25°13  | 5°18          | 6°50          | 11°58          | 13°26           | S 25 |
| S 26 | 14 15 15 | 5°34'59          | 6 <b>9</b> 1   | 21°47          | 18°24            | 17°36          | 24° 4           | 18°54          | 5°30          | 14°13            | 25°14  | 5°D17         | 6°47          | 12° 4          | 13°31           | S 26 |
| M27  | 14 19 12 | 6°33'21          | 19°15          | 23°32          | 19°37            | 18°19          | 24° 1           | 19° 0          | 5°33          | 14°12            | 25°14  | 5°18          | 6°44          | 12°11          | 13°35           | M27  |
| T 28 | 14 23 9  | 7°31'40          | $2\Omega$ 5    | 25°13          | 20°51            | 19° 3          | 23°58           | 19° 6          | 5°37          | 14°11            | 25°15  | 5°R18         | 6°41          | 12°18          | 13°39           | T 28 |
| W29  | 14 27 5  | 8°29'58          | 14°34          | 26°51          | 22° 5            | 19°46          | 23°55           | 19°11          | 5°40          | 14°10            | 25°15  | <u>5</u> °18  | <u>6</u> °37  | 12°25          | 13°43           | W29  |
| T 30 | 14 31 2  | 9828'13          | $26\Omega 48$  | 28 <b>8</b> 25 | 23 <b>Y</b> 18   | 20829          | 23 <b>×</b> 751 | 19 <b>米</b> 17 | 5 <b>8</b> 44 | 14 <b>m</b> ) 10 | 259916 | 5 <b>ਰ</b> 17 | 6 <b>る</b> 34 | 12 <b>≏</b> 31 | 13 <b>Ⅱ</b> 48  | T 30 |

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| Day          | Sid.t                | 0                    | D                       | ğ              | Q.                     | ♂               | 4               | ħ                          | )f(           | ¥               | В              | S.            | Ω             | Ç              | , k             | Day          |
|--------------|----------------------|----------------------|-------------------------|----------------|------------------------|-----------------|-----------------|----------------------------|---------------|-----------------|----------------|---------------|---------------|----------------|-----------------|--------------|
| F 1          | 14 34 58             | 10826'27             | 8 <b>m</b> 50           | 29 <b>8</b> 55 | 24 <b>Y</b> 32         | 21812           | 23°R48          | 19 <b>∺</b> 23             | 5 <b>8</b> 47 | 14°R 9          | 25916          | 5°R13         | 6 <b>ප</b> 31 | 12 <b>≏</b> 38 | 13耳52           | F 1          |
| S 2          | 14 38 55             | 11°24'38             | 20°45                   | 1Ⅱ20           | 25°46                  | 21°55           | 23 <b>×</b> 744 | 19°28                      | 5°51          | 14 <b>m</b> ) 8 | 25°17          | 5 <b>궁</b> 7  | 6°28          | 12°45          | 13°57           | S 2          |
| S 3          | 14 42 51             | 12°22'47             | 2 <b>≏</b> 37           | 2°42           | 26°59                  | 22°37           | 23°40           | 19°33                      | 5°54          | 14° 7           | 25°17          | 4°59          | 6°25          | 12°51          | 14° 1           | S 3          |
| M 4          | 14 46 48             | 13°20'55             | 14°29                   | 3°59           | 28°13                  | 23°20           | 23°36           | 19°39                      | 5°57          | 14° 7           | 25°18          | 4°50          | 6°21          | 12°58          | 14° 6           | M 4          |
| T 5<br>W 6   | 14 50 44<br>14 54 41 | 14°19'01<br>15°17'05 | 26°23<br>8 <b>M</b> 21  | 5°12<br>6°20   | 29°27<br>0 <b>8</b> 40 | 24° 3<br>24°46  | 23°32<br>23°27  | 19°44<br>19°49             | 6° 1<br>6° 4  | 14° 6<br>14° 5  | 25°19<br>25°19 | 4°40<br>4°31  | 6°18<br>6°15  | 13° 5<br>13°12 | 14°10<br>14°15  | T 5<br>W 6   |
| W 6<br>T 7   | 14 54 41             | 16°15'07             | 20°25                   | 7°24           | 1°54                   | 25°29           | 23°27<br>23°23  | 19°49<br>19°54             | 6° 8          | 14° 5           | 25°19<br>25°20 | 4°31<br>4°22  | 6°13          | 13°12<br>13°18 | 14°13           | W 6          |
| F 8          | 15 2 34              | 17°13'08             | 26 23<br>2 <b>×</b> 736 | 8°24           | 3° 8                   | 26°11           | 23°18           | 20° 0                      | 6°11          | 14° 4           | 25°21          | 4°16          | 6° 9          | 13°25          | 14°24           | F 8          |
| S 9          | 15 631               | 18°11'07             | 14°55                   | 9°19           | 4°21                   | 26°54           | 23°13           | 20° 5                      | 6°14          | 14° 4           | 25°21          | 4°12          | 6° 6          | 13°32          | 14°29           | S 9          |
| S 10         | 15 10 27             | 19° 9'05             | 27°24                   | 10° 9          | 5°35                   | 27°36           | 23° 8           | 20°10                      | 6°18          | 14° 3           | 25°22          | 4°10          | 6° 2          | 13°39          | 14°33           | S 10         |
| M11          | 15 14 24             | 20° 7'01             | 10궁 5                   | 10°54          | 6°48                   | 28°19           | 23° 3           | 20°14                      | 6°21          | 14° 3           | 25°23          | 4°D10         | 5°59          | 13°45          | 14°38           | M11          |
| T 12         | 15 18 20             | 21° 4'56             | 23° 0                   | 11°35          | 8° 2                   | 29° 1           | 22°58           | 20°19                      | 6°25          | 14° 2           | 25°24          | 4°11          | 5°56          | 13°52          | 14°43           | T 12         |
| W13          | 15 22 17             | 22° 2'50             | 6≈12                    | 12°11          | 9°16                   | 29°44           | 22°52           | 20°24                      | 6°28          | 14° 2           | 25°25          | 4°13          | 5°53          | 13°59          | 14°47           | W13          |
| T 14         | 15 26 13             | 23° 0'42             | 19°43                   | 12°41          | 10°29                  | 0 <b>∏</b> 26   | 22°47           | 20°29                      | 6°31          | 14° 1           | 25°26          | 4°R14         | 5°50          | 14° 5          | 14°52           | T 14         |
| F 15<br>S 16 | 15 30 10<br>15 34 7  | 23°58'34<br>24°56'24 | 3 <b>)</b> €34<br>17°47 | 13° 7<br>13°28 | 11°43<br>12°57         | 1° 8<br>1°51    | 22°41<br>22°35  | 20°33<br>20°38             | 6°35<br>6°38  | 14° 1<br>14° 1  | 25°26<br>25°27 | 4°13<br>4°11  | 5°46<br>5°43  | 14°12<br>14°19 | 14°57<br>15° 2  | F 15<br>S 16 |
|              |                      |                      |                         |                |                        |                 |                 |                            |               |                 |                |               |               |                |                 |              |
| S 17         | 15 38 3              | 25°54'12             | 2 <b>Υ</b> 18           | 13°44          | 14°10                  | 2°33            | 22°29           | 20°42                      | 6°41          | 14° 0           | 25°28          | 4° 8          | 5°40          | 14°26          | 15° 7           | S 17         |
| M18<br>T 19  | 15 42 0<br>15 45 56  | 26°52'00<br>27°49'47 | 17° 5<br>2 <b>8</b> 0   | 13°56<br>14° 2 | 15°24<br>16°37         | 3°15<br>3°57    | 22°23<br>22°17  | 20°46<br>20°51             | 6°45<br>6°48  | 14° 0<br>14° 0  | 25°29<br>25°30 | 4° 3<br>3°58  | 5°37<br>5°34  | 14°32<br>14°39 | 15°12<br>15°17  | M18<br>T 19  |
| W20          | 15 49 53             | 27 49 47<br>28°47'32 | 16°56                   | 14°R 3         | 10 37<br>17°51         | 4°39            | 22°10           | 20°55                      | 6°51          | 14 0<br>14° 0   | 25°31          | 3°53          | 5°31          | 14°46          | 15°21           | W20          |
| T 21         | 15 53 49             | 29°45'16             | 1 <b>Ⅱ</b> 43           | 14° 0          | 19° 5                  | 5°21            | 22° 4           | 20°59                      | 6°54          | 14° 0           | 25°32          | 3°49          | 5°27          | 14°52          | 15°26           | T 21         |
| F 22         | 15 57 46             | 0 <b>Ⅱ</b> 42'59     | 16°14                   | 13°52          | 20°18                  | 6° 3            | 21°57           | 21° 3                      | 6°58          | 13°59           | 25°33          | 3°46          | 5°24          | 14°59          | 15°31           | F 22         |
| S 23         | 16 1 42              | 1°40'41              | 0924                    | 13°40          | 21°32                  | 6°45            | 21°51           | 21° 7                      | 7° 1          | 13°59           | 25°34          | 3°D45         | 5°21          | 15° 6          | 15°36           | S 23         |
| S 24         | 16 5 39              | 2°38'21              | 14° 8                   | 13°24          | 22°46                  | 7°27            | 21°44           | 21°11                      | 7° 4          | 13°59           | 25°35          | 3°45          | 5°18          | 15°13          | 15°41           | S 24         |
| M25          | 16 9 36              | 3°36'00              | 27°27                   | 13° 4          | 23°59                  | 8° 9            | 21°37           | 21°15                      | 7° 7          | 13°D59          | 25°36          | 3°46          | 5°15          | 15°19          | 15°46           | M25          |
| T 26         | 16 13 32             | 4°33'37              | 10 <b>Ω</b> 21          | 12°41          | 25°13                  | 8°51            | 21°30           | 21°19                      | 7°10          | 13°59           | 25°37          | 3°48          | 5°12          | 15°26          | 15°51           | T 26         |
| W27          | 16 17 29             | 5°31'12              | 22°55                   | 12°15          | 26°26                  | 9°32            | 21°23           | 21°22                      | 7°14          | 13°59           | 25°39          | 3°49          | 5° 8          | 15°33          | 15°56           | W27          |
| T 28<br>F 29 | 16 21 25<br>16 25 22 | 6°28'47<br>7°26'19   | 5 <b>m</b> )11<br>17°15 | 11°46<br>11°15 | 27°40<br>28°54         | 10°14<br>10°56  | 21°16<br>21° 9  | 21°26<br>21°29             | 7°17<br>7°20  | 13°59<br>13°59  | 25°40<br>25°41 | 3°R50<br>3°50 | 5° 5<br>5° 2  | 15°40<br>15°46 | 16° 1<br>16° 6  | T 28<br>F 29 |
| S 30         | 16 25 22             | 8°23'51              | 29°11                   | 10°43          | 28°34<br>0 <b>Ⅲ</b> 7  | 10°36<br>11°37  | 21° 9           | 21°29<br>21°33             | 7°23          | 13°39<br>14° 0  | 25°41<br>25°42 | 3°48          | 4°59          | 15°53          | 16° 6           | S 30         |
| S 31         | 16 33 15             | 9 <b>∏</b> 21′21     | 11 <b>º</b> 4           | 10 <b>I</b> 9  | 1 <b>Ⅱ</b> 21          | 12 <b>I</b> I19 | 20 <b>×</b> 754 | 21 <b>\(\frac{1}{36}\)</b> | 7 <b>8</b> 26 | 14 Mp 0         | 25943          | 3 <b>ප</b> 45 | 4 <b>궁</b> 56 | 16 <b>요</b> 0  | 16 <b>I</b> I16 | S 31         |

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| Day         | Sid.t                | $\odot$              | D                       | φ              | φ              | ď               | 4              | ħ              | )ұ(           | ¥              | P 2            | R             | Ω             | ţ              | δ              | Day         |
|-------------|----------------------|----------------------|-------------------------|----------------|----------------|-----------------|----------------|----------------|---------------|----------------|----------------|---------------|---------------|----------------|----------------|-------------|
| M 1         | 16 37 11             | 10 <b>Ⅱ</b> 18'49    | 22 <b>£</b> 57          | 9°R36          | 2Д34           | 13 <b>I</b> I 0 | 20°R47         | 21 <b>米</b> 39 | 7 <b>8</b> 29 | 14 Mp 0        | 259544         | 3°R42         | 4 <b>る</b> 52 | 16 <b>♀</b> 6  | 16∏21          | M 1         |
| T 2         | 16 41 8              | 11°16'17             | 4 <b>M</b> .54          | 9 <b>I</b> I 2 | 3°48           | 13°42           | 20 <b>₹</b> 39 | 21°42          | 7°32          | 14° 0          | 25°46          | 3 <b>ろ</b> 38 | 4°49          | 16°13          | 16°27          | T 2         |
| W 3         | 16 45 5              | 12°13'44             | 16°58                   | 8°29           | 5° 2           | 14°23           | 20°32          | 21°45          | 7°35          | 14° 0          | 25°47          | 3°35          | 4°46          | 16°20          | 16°32          | W 3         |
| T 4         | 16 49 1              | 13°11'09             | 29°10                   | 7°58           | 6°15           | 15° 4           | 20°24          | 21°48          | 7°38          | 14° 1          | 25°48          | 3°32          | 4°43          | 16°27          | 16°37          | T 4         |
| F 5         | 16 52 58             | 14° 8'34             | 11 🗷 33                 | 7°29           | 7°29           | 15°46           | 20°17          | 21°51          | 7°41          | 14° 1          | 25°49          | 3°30          | 4°40          | 16°33          | 16°42          | F 5         |
| S 6         | 16 56 54             | 15° 5'57             | 24° 8                   | 7° 2           | 8°42           | 16°27           | 20° 9          | 21°54          | 7°44          | 14° 1          | 25°51          | 3°29          | 4°37          | 16°40          | 16°47          | S 6         |
| S 7         | 17 0 51              | 16° 3'20             | 6 <b>පි</b> 56          | 6°37           | 9°56           | 17° 8           | 20° 2          | 21°56          | 7°47          | 14° 2          | 25°52          | 3°D28         | 4°33          | 16°47          | 16°52          | S 7         |
| M 8         | 17 4 47              | 17° 0'42             | 19°56                   | 6°16           | 11°10          | 17°49           | 19°54          | 21°59          | 7°50          | 14° 2          | 25°53          | 3°29          | 4°30          | 16°53          | 16°57          | M 8         |
| T 9         | 17 8 44              | 17°58'03             | 3≈10                    | 5°59           | 12°23          | 18°31           | 19°46          | 22° 1          | 7°52          | 14° 3          | 25°55          | 3°30          | 4°27          | 17° 0          | 17° 2          | T 9         |
| W10<br>T 11 | 17 12 40<br>17 16 37 | 18°55'24<br>19°52'44 | 16°38<br>0 <b>₩</b> 19  | 5°45<br>5°36   | 13°37<br>14°51 | 19°12<br>19°53  | 19°39<br>19°31 | 22° 4<br>22° 6 | 7°55<br>7°58  | 14° 3<br>14° 4 | 25°56<br>25°57 | 3°31<br>3°32  | 4°24<br>4°21  | 17° 7<br>17°14 | 17° 7<br>17°12 | W10<br>T 11 |
| F 12        | 17 10 37             | 20°50'04             | 14°14                   | 5°31           | 14°51<br>16° 4 | 20°34           | 19°31<br>19°23 | 22° 8          | 8° 1          | 14° 4          | 25°57<br>25°59 | 3°32<br>3°33  | 4°18          | 17°14<br>17°20 | 17°12          | F 12        |
| S 13        | 17 24 30             | 20°30°04<br>21°47'23 | 28°21                   | 5°D30          | 17°18          | 20°34<br>21°15  | 19°16          | 22°10          | 8° 3          | 14° 5          | 26° 0          | 3°R33         | 4°14          | 17°27          | 17°23          | S 13        |
|             |                      | -                    |                         |                |                | _               |                |                |               |                |                |               |               |                |                |             |
| S 14        | 17 28 27             | 22°44'42             | 12 <b>Υ</b> 40          | 5°33           | 18°31<br>19°45 | 21°56           | 19° 8          | 22°12          | 8° 6<br>8° 9  | 14° 5          | 26° 1          | 3°32          | 4°11          | 17°34          | 17°28          | S 14        |
| M15<br>T 16 | 17 32 23<br>17 36 20 | 23°42'00<br>24°39'18 | 27° 6<br>11 <b>8</b> 36 | 5°42<br>5°54   | 19°45<br>20°59 | 22°37<br>23°17  | 19° 1<br>18°53 | 22°14<br>22°16 | 8° 9<br>8°11  | 14° 6<br>14° 7 | 26° 3<br>26° 4 | 3°31<br>3°30  | 4° 8<br>4° 5  | 17°40<br>17°47 | 17°33<br>17°38 | M15<br>T 16 |
| W17         | 17 40 16             | 24 39 18<br>25°36'36 | 26° 6                   | 6°12           | 20°12          | 23°58           | 18°45          | 22°18          | 8°14          | 14 /<br>14° 7  | 26° 6          | 3°29          | 4° 2          | 17°54          | 17°43          | W17         |
| T 18        | 17 44 13             | 26°33'54             | 10 <b>Ⅲ</b> 29          | 6°34           | 23°26          | 24°39           | 18°38          | 22°19          | 8°17          | 14° 8          | 26° 7          | 3°29          | 3°58          | 17 34<br>18° 1 | 17°48          | T 18        |
| F 19        | 17 48 9              | 27°31'11             | 24°40                   | 7° 0           | 24°40          | 25°20           | 18°30          | 22°21          | 8°19          | 14° 9          | 26° 9          | 3°28          | 3°55          | 18° 7          | 17°53          | F 19        |
| S 20        | 17 52 6              | 28°28'28             | 8935                    | 7°31           | 25°54          | 26° 0           | 18°23          | 22°22          | 8°22          | 14°10          | 26°10          | 3°D28         | 3°52          | 18°14          | 17°58          | S 20        |
| S 21        | 17 56 3              | 29°25'44             | 22°11                   | 8° 7           | 27° 7          | 26°41           | 18°15          | 22°24          | 8°24          | 14°11          | 26°12          | 3°29          | 3°49          | 18°21          | 18° 3          | S 21        |
| M22         | 17 59 59             | 0923'00              | $5\Omega_{25}$          | 8°47           | 28°21          | 27°22           | 18° 8          | 22°25          | 8°27          | 14°11          | 26°13          | 3°29          | 3°46          | 18°28          | 18° 8          | M22         |
| T 23        | 18 3 56              | 1°20'15              | 18°19                   | 9°31           | 29°35          | 28° 2           | 18° 1          | 22°26          | 8°29          | 14°12          | 26°15          | 3°29          | 3°43          | 18°34          | 18°13          | T 23        |
| W24         | 18 7 52              | 2°17'29              | 0 <b>m</b> 54           | 10°19          | 09548          | 28°43           | 17°54          | 22°27          | 8°31          | 14°13          | 26°16          | 3°29          | 3°39          | 18°41          | 18°18          | W24         |
| T 25        | 18 11 49             | 3°14'43              | 13°13                   | 11°12          | 2° 2           | 29°23           | 17°46          | 22°28          | 8°34          | 14°14          | 26°18          | 3°R29         | 3°36          | 18°48          | 18°23          | T 25        |
| F 26        | 18 15 45             | 4°11'57              | 25°19                   | 12° 8          | 3°16           | 09 4            | 17°39          | 22°29          | 8°36          | 14°15          | 26°19          | 3°29          | 3°33          | 18°54          | 18°28          | F 26        |
| S 27        | 18 19 42             | 5° 9'09              | 7 <b>≙</b> 16           | 13° 9          | 4°29           | 0°44            | 17°32          | 22°30          | 8°38          | 14°16          | 26°21          | 3°D29         | 3°30          | 19° 1          | 18°33          | S 27        |
| S 28        | 18 23 39             | 6° 6'22              | 19° 9                   | 14°14          | 5°43           | 1°24            | 17°25          | 22°30          | 8°40          | 14°17          | 26°22          | 3°29          | 3°27          | 19°8           | 18°38          | S 28        |
| M29         | 18 27 35             | 7° 3'34              | 1 <b>m</b> 3            | 15°22          | 6°57           | 2° 5            | 17°18          | 22°31          | 8°43          | 14°18          | 26°24          | 3°30          | 3°24          | 19°15          | 18°43          | M29         |
| T 30        | 18 31 32             | 89 0'45              | 13 <b>M</b> 2           | 16耳35          | 89911          | 29545           | 17 <b>×</b> 12 | 22 <b>)</b> 31 | 8 <b>8</b> 45 | 14 <b>M</b> 19 | 26925          | 3 <b>ට</b> 30 | 3 <b>る</b> 20 | 19 <b>≏</b> 21 | 18 <b>Ⅱ</b> 48 | T 30        |

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| Day  | Sid.t    | 0                | D              | ğ              | ·              | ♂      | 4              | ħ               | )f(           | Ħ               | Р      | ß             | Ω             | Ç              | ę,             | Day  |
|------|----------|------------------|----------------|----------------|----------------|--------|----------------|-----------------|---------------|-----------------|--------|---------------|---------------|----------------|----------------|------|
| W 1  | 18 35 28 | 8957'56          | 25 <b>M</b> 10 | 17 <b>Ⅲ</b> 51 | 99524          | 3925   | 17°R 5         | 22 <b>)</b> (31 | 8 <b>8</b> 47 | 14 <b>m</b> 20  | 269527 | 3 <b>ට</b> 31 | 3 <b>ਰ</b> 17 | 19 <b>≏</b> 28 | 18 <b>Ⅲ</b> 53 | W 1  |
| T 2  | 18 39 25 | 9°55'07          | 7 <b>.</b> ₹30 | 19°11          | 10°38          | 4° 5   | 16 <b>₹</b> 59 | 22°32           | 8°49          | 14°22           | 26°29  | 3°31          | 3°14          | 19°35          | 18°58          | T 2  |
| F 3  | 18 43 21 | 10°52'18         | 20° 5          | 20°35          | 11°52          | 4°45   | 16°52          | 22°32           | 8°51          | 14°23           | 26°30  | 3°32          | 3°11          | 19°41          | 19° 3          | F 3  |
| S 4  | 18 47 18 | 11°49'29         | 2 <b>ප්</b> 56 | 22° 3          | 13° 6          | 5°25   | 16°46          | 22°R32          | 8°53          | 14°24           | 26°32  | 3°R32         | 3° 8          | 19°48          | 19° 7          | S 4  |
| S 5  | 18 51 14 | 12°46'39         | 16° 4          | 23°34          | 14°19          | 6° 6   | 16°40          | 22°32           | 8°55          | 14°25           | 26°33  | 3°32          | 3° 4          | 19°55          | 19°12          | S 5  |
| M 6  | 18 55 11 | 13°43'50         | 29°28          | 25° 9          | 15°33          | 6°46   | 16°33          | 22°32           | 8°57          | 14°27           | 26°35  | 3°31          | 3° 1          | 20° 2          | 19°17          | M 6  |
| T 7  | 18 59 8  | 14°41'00         | 13 <b>∞</b> 7  | 26°47          | 16°47          | 7°26   | 16°27          | 22°31           | 8°59          | 14°28           | 26°37  | 3°30          | 2°58          | 20° 8          | 19°22          | T 7  |
| W 8  | 19 3 4   | 15°38'11         | 26°59          | 28°29          | 18° 1          | 8° 6   | 16°22          | 22°31           | 9° 0          | 14°29           | 26°38  | 3°28          | 2°55          | 20°15          | 19°27          | W 8  |
| T 9  | 19 7 1   | 16°35'23         | 11) 🕂 1        | 09୍ତ14         | 19°14          | 8°45   | 16°16          | 22°30           | 9° 2          | 14°30           | 26°40  | 3°27          | 2°52          | 20°22          | 19°31          | T 9  |
| F 10 | 19 10 57 | 17°32'34         | 25°10          | 2° 3           | 20°28          | 9°25   | 16°10          | 22°30           | 9° 4          | 14°32           | 26°41  | 3°26          | 2°49          | 20°28          | 19°36          | F 10 |
| S 11 | 19 14 54 | 18°29'46         | 9 <b>Υ</b> 23  | 3°54           | 21°42          | 10° 5  | 16° 5          | 22°29           | 9° 6          | 14°33           | 26°43  | 3°25          | 2°45          | 20°35          | 19°41          | S 11 |
| S 12 | 19 18 50 | 19°26'59         | 23°37          | 5°48           | 22°56          | 10°45  | 15°59          | 22°28           | 9° 7          | 14°35           | 26°45  | 3°D25         | 2°42          | 20°42          | 19°45          | S 12 |
| M13  | 19 22 47 | 20°24'12         | 7 <b>8</b> 50  | 7°45           | 24°10          | 11°25  | 15°54          | 22°28           | 9° 9          | 14°36           | 26°46  | 3°25          | 2°39          | 20°49          | 19°50          | M13  |
| T 14 | 19 26 43 | 21°21'26         | 22° 0          | 9°44           | 25°23          | 12° 4  | 15°49          | 22°27           | 9°10          | 14°38           | 26°48  | 3°26          | 2°36          | 20°55          | 19°55          | T 14 |
| W15  | 19 30 40 | 22°18'40         | 6 <b>I</b> I 3 | 11°45          | 26°37          | 12°44  | 15°44          | 22°26           | 9°12          | 14°39           | 26°50  | 3°28          | 2°33          | 21° 2          | 19°59          | W15  |
| T 16 | 19 34 37 | 23°15'55         | 19°59          | 13°48          | 27°51          | 13°24  | 15°39          | 22°24           | 9°13          | 14°41           | 26°51  | 3°29          | 2°30          | 21° 9          | 20° 4          | T 16 |
| F 17 | 19 38 33 | 24°13'11         | 39544          | 15°53          | 29° 5          | 14° 3  | 15°35          | 22°23           | 9°15          | 14°42           | 26°53  | 3°R29         | 2°26          | 21°15          | 20° 8          | F 17 |
| S 18 | 19 42 30 | 25°10'27         | 17°16          | 17°59          | 0 <b>Ω</b> 19  | 14°43  | 15°30          | 22°22           | 9°16          | 14°44           | 26°54  | 3°29          | 2°23          | 21°22          | 20°13          | S 18 |
| S 19 | 19 46 26 | 26° 7'44         | 0 <b>Ω</b> 34  | 20° 6          | 1°33           | 15°23  | 15°26          | 22°20           | 9°18          | 14°45           | 26°56  | 3°27          | 2°20          | 21°29          | 20°17          | S 19 |
| M20  | 19 50 23 | 27° 5'01         | 13°37          | 22°14          | 2°47           | 16° 2  | 15°22          | 22°19           | 9°19          | 14°47           | 26°58  | 3°24          | 2°17          | 21°36          | 20°22          | M20  |
| T 21 | 19 54 19 | 28° 2'18         | 26°23          | 24°21          | 4° 1           | 16°42  | 15°18          | 22°17           | 9°20          | 14°49           | 26°59  | 3°21          | 2°14          | 21°42          | 20°26          | T 21 |
| W22  | 19 58 16 | 28°59'36         | 8 <b>m</b> 54  | 26°29          | 5°14           | 17°21  | 15°14          | 22°15           | 9°21          | 14°50           | 27° 1  | 3°17          | 2°10          | 21°49          | 20°30          | W22  |
| T 23 | 20 2 12  | 29°56'54         | 21°10          | 28°37          | 6°28           | 18° 1  | 15°11          | 22°14           | 9°22          | 14°52           | 27° 3  | 3°13          | 2° 7          | 21°56          | 20°35          | T 23 |
| F 24 | 20 6 9   | 0 <b>Ω</b> 54'13 | 3 <b>≏</b> 15  | 0 <b>Ω</b> 44  | 7°42           | 18°40  | 15° 7          | 22°12           | 9°23          | 14°54           | 27° 4  | 3° 9          | 2° 4          | 22° 3          | 20°39          | F 24 |
| S 25 | 20 10 6  | 1°51'32          | 15°12          | 2°51           | 8°56           | 19°19  | 15° 4          | 22°10           | 9°25          | 14°55           | 27° 6  | 3° 7          | 2° 1          | 22° 9          | 20°43          | S 25 |
| S 26 | 20 14 2  | 2°48'51          | 27° 5          | 4°56           | 10°10          | 19°59  | 15° 1          | 22° 8           | 9°26          | 14°57           | 27° 8  | 3° 5          | 1°58          | 22°16          | 20°47          | S 26 |
| M27  | 20 17 59 | 3°46'11          | 8 <b>M</b> .58 | 7° 1           | 11°24          | 20°38  | 14°58          | 22° 5           | 9°27          | 14°59           | 27° 9  | 3°D 5         | 1°55          | 22°23          | 20°51          | M27  |
| T 28 | 20 21 55 | 4°43'31          | 20°57          | 9° 4           | 12°38          | 21°17  | 14°55          | 22° 3           | 9°27          | 15° 1           | 27°11  | 3° 6          | 1°51          | 22°29          | 20°56          | T 28 |
| W29  | 20 25 52 | 5°40'52          | 3 <b>∡</b> 7 6 | 11° 6          | 13°52          | 21°56  | 14°52          | 22° 1           | 9°28          | 15° 2           | 27°12  | 3° 8          | 1°48          | 22°36          | 21° 0          | W29  |
| T 30 | 20 29 48 | 6°38'14          | 15°29          | 13° 7          | 15° 6          | 22°35  | 14°50          | 21°58           | 9°29          | 15° 4           | 27°14  | 3°10          | <u>1°45</u>   | 22°43          | 21° 4          | T 30 |
| F 31 | 20 33 45 | 7 <b>Ω</b> 35'36 | 28 <b>×</b> 11 | 15 <b>Ω</b> 6  | 16 <b>Ω</b> 20 | 239915 | 14 <b>₹</b> 48 | 21 <b>米</b> 56  | 9 <b>8</b> 30 | 15 <b>M</b> ) 6 | 279516 | 3°R11         | 1 <b>る</b> 42 | 22 <b>≙</b> 50 | 21 <b>I</b> 8  | F 31 |

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AUGUST 1936 00:00 UT

| Day  | Sid.t    | $\odot$           | D               | φ             | φ              | o <sup>7</sup>  | 4              | ħ              | )Å(           | <del>¥</del>    | 2      | R             | Ω             | ţ              | δ               | Day  |
|------|----------|-------------------|-----------------|---------------|----------------|-----------------|----------------|----------------|---------------|-----------------|--------|---------------|---------------|----------------|-----------------|------|
| S 1  | 20 37 41 | 8 <b>Ω</b> 32'59  | 11 <b>궁</b> 13  | 17 <b>0</b> 4 | 17 <b>Ω</b> 34 | 23954           | 14°R46         | 21°R53         | 9 <b>8</b> 31 | 15 <b>m</b> ) 8 | 279917 | 3°R10         | 1 <b>3</b> 39 | 22 <b>ჲ</b> 56 | 21 <b>I</b> I12 | S 1  |
| S 2  | 20 41 38 | 9°30'22           | 24°38           | 19° 0         | 18°48          | 24°33           | 14 <b>~</b> 44 | 21 <b>米</b> 50 | 9°31          | 15°10           | 27°19  | 3 <b>ට</b> 9  | 1°36          | 23° 3          | 21°16           | S 2  |
| M 3  | 20 45 35 | 10°27'46          | 8≈25            | 20°55         | 20° 2          | 25°12           | 14°42          | 21°48          | 9°32          | 15°12           | 27°21  | 3° 5          | 1°32          | 23°10          | 21°19           | M 3  |
| T 4  | 20 49 31 | 11°25'11          | 22°30           | 22°48         | 21°16          | 25°51           | 14°41          | 21°45          | 9°32          | 15°13           | 27°22  | 3° 0          | 1°29          | 23°16          | 21°23           | T 4  |
| W 5  | 20 53 28 | 12°22'38          | 6 <b>∺</b> 50   | 24°39         | 22°29          | 26°30           | 14°39          | 21°42          | 9°33          | 15°15           | 27°24  | 2°55          | 1°26          | 23°23          | 21°27           | W 5  |
| T 6  | 20 57 24 | 13°20'05          | 21°19           | 26°29         | 23°43          | 27° 9           | 14°38          | 21°39          | 9°33          | 15°17           | 27°25  | 2°49          | 1°23          | 23°30          | 21°31           | T 6  |
| F 7  | 21 121   | 14°17'33          | 5 <b>Υ</b> 50   | 28°18         | 24°57          | 27°48           | 14°37          | 21°36          | 9°34          | 15°19           | 27°27  | 2°43          | 1°20          | 23°36          | 21°34           | F 7  |
| S 8  | 21 5 17  | 15°15'03          | 20°18           | 0Mp 4         | 26°11          | 28°27           | 14°37          | 21°32          | 9°34          | 15°21           | 27°29  | 2°39          | 1°16          | 23°43          | 21°38           | S 8  |
| S 9  | 21 9 14  | 16°12'34          | 4 <b>8</b> 39   | 1°50          | 27°25          | 29° 5           | 14°36          | 21°29          | 9°35          | 15°23           | 27°30  | 2°37          | 1°13          | 23°50          | 21°42           | S 9  |
| M10  | 21 13 10 | 17°10'07          | 18°49           | 3°33          | 28°39          | 29°44           | 14°36          | 21°26          | 9°35          | 15°25           | 27°32  | 2°D36         | 1°10          | 23°57          | 21°45           | M10  |
| T 11 | 21 17 7  | 18° 7'41          | 2∏47            | 5°16          | 29°53          | 0 <b>Ω</b> 23   | 14°35          | 21°22          | 9°35          | 15°27           | 27°33  | 2°37          | 1° 7          | 24° 3          | 21°49           | T 11 |
| W12  | 21 21 4  | 19° 5'16          | 16°32           | 6°56          | 1 Mp 7         | 1° 2            | 14°D35         | 21°19          | 9°35          | 15°29           | 27°35  | 2°38          | 1° 4          | 24°10          | 21°52           | W12  |
| T 13 | 21 25 0  | 20° 2'54          | 0ණ 5            | 8°35          | 2°21           | 1°41            | 14°36          | 21°15          | 9°35          | 15°31           | 27°36  | 2°R39         | 1° 1          | 24°17          | 21°55           | T 13 |
| F 14 | 21 28 57 | 21° 0'32          | 13°25           | 10°13         | 3°35           | 2°19            | 14°36          | 21°12          | 9°35          | 15°33           | 27°38  | 2°39          | 0°57          | 24°23          | 21°59           | F 14 |
| S 15 | 21 32 53 | 21°58'12          | 26°34           | 11°49         | 4°49           | 2°58            | 14°36          | 21° 8          | 9°R36         | 15°35           | 27°39  | 2°36          | 0°54          | 24°30          | 22° 2           | S 15 |
| S 16 | 21 36 50 | 22°55'53          | 9 <b>Ω</b> 31   | 13°24         | 6° 3           | 3°37            | 14°37          | 21° 4          | 9°35          | 15°38           | 27°41  | 2°31          | 0°51          | 24°37          | 22° 5           | S 16 |
| M17  | 21 40 46 | 23°53'36          | 22°16           | 14°57         | 7°17           | 4°15            | 14°38          | 21° 1          | 9°35          | 15°40           | 27°42  | 2°24          | 0°48          | 24°44          | 22° 8           | M17  |
| T 18 | 21 44 43 | 24°51'20          | 4 Mp 49         | 16°29         | 8°31           | 4°54            | 14°39          | 20°57          | 9°35          | 15°42           | 27°44  | 2°16          | 0°45          | 24°50          | 22°11           | T 18 |
| W19  | 21 48 39 | 25°49'05          | 17°11           | 17°59         | 9°45           | 5°32            | 14°40          | 20°53          | 9°35          | 15°44           | 27°45  | 2° 6          | 0°42          | 24°57          | 22°14           | W19  |
| T 20 | 21 52 36 | 26°46'51          | 29°21           | 19°27         | 10°59          | 6°11            | 14°42          | 20°49          | 9°35          | 15°46           | 27°47  | 1°56          | 0°38          | 25° 4          | 22°17           | T 20 |
| F 21 | 21 56 33 | 27°44'39          | 11 <b>≏</b> 23  | 20°54         | 12°13          | 6°50            | 14°43          | 20°45          | 9°35          | 15°48           | 27°48  | 1°47          | 0°35          | 25°10          | 22°20           | F 21 |
| S 22 | 22 0 29  | 28°42'28          | 23°17           | 22°20         | 13°27          | 7°28            | 14°45          | 20°41          | 9°34          | 15°50           | 27°50  | 1°39          | 0°32          | 25°17          | 22°23           | S 22 |
| S 23 | 22 4 26  | 29°40'18          | 5 <b>M</b> 8    | 23°44         | 14°41          | 8° 6            | 14°47          | 20°37          | 9°34          | 15°52           | 27°51  | 1°34          | 0°29          | 25°24          | 22°26           | S 23 |
| M24  | 22 8 22  | 0 <b>m</b> y38'09 | 16°59           | 25° 7         | 15°55          | 8°45            | 14°50          | 20°33          | 9°34          | 15°55           | 27°53  | 1°31          | 0°26          | 25°31          | 22°29           | M24  |
| T 25 | 22 12 19 | 1°36'02           | 28°55           | 26°27         | 17° 9          | 9°23            | 14°52          | 20°28          | 9°33          | 15°57           | 27°54  | 1°D30         | 0°22          | 25°37          | 22°31           | T 25 |
| W26  | 22 16 15 | 2°33'56           | 11 <b>×</b> 7 2 | 27°46         | 18°23          | 10° 2           | 14°54          | 20°24          | 9°33          | 15°59           | 27°56  | 1°30          | 0°19          | 25°44          | 22°34           | W26  |
| T 27 | 22 20 12 | 3°31'51           | 23°23           | 29° 4         | 19°37          | 10°40           | 14°57          | 20°20          | 9°32          | 16° 1           | 27°57  | 1°31          | 0°16          | 25°51          | 22°36           | T 27 |
| F 28 | 22 24 8  | 4°29'48           | 6 <b>ප</b> 5    | 0 <b>ჲ</b> 20 | 20°51          | 11°18           | 15° 0          | 20°16          | 9°31          | 16° 3           | 27°58  | 1°R31         | 0°13          | 25°57          | 22°39           | F 28 |
| S 29 | 22 28 5  | 5°27'46           | 19°12           | 1°34          | 22° 5          | 11°56           | 15° 3          | 20°11          | 9°31          | 16° 5           | 28° 0  | 1°29          | 0°10          | 26° 4          | 22°41           | S 29 |
| S 30 | 22 32 2  | 6°25'45           | 2≈45            | 2°46          | 23°19          | 12°35           | 15° 6          | 20° 7          | 9°30          | 16° 8           | 28° 1  | 1°26          | 0° 7          | 26°11          | 22°44           | S 30 |
| M31  | 22 35 58 | 7 <b>m</b> 23'45  | 16≈45           | 3 <b>₾</b> 56 | 24 <b>m</b> 33 | 13 <b>\O</b> 13 | 15 <b>₹</b> 10 | 20 <b>米</b> 2  | 9 <b>8</b> 29 | 16 <b>M</b> )10 | 2895 2 | 1 <b>る</b> 20 | 0る3           | 26 <b>₾</b> 18 | 22 <b>II</b> 46 | M31  |

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| Day  | Sid.t    | 0                | D              | ğ             | φ              | ď              | 4              | ħ              | )∤(           | ¥              | Р     | ß               | v               | Ç              | ę,              | Day  |
|------|----------|------------------|----------------|---------------|----------------|----------------|----------------|----------------|---------------|----------------|-------|-----------------|-----------------|----------------|-----------------|------|
| T 1  | 22 39 55 | 8 <b>m</b> 21'48 | 1 <b>)</b> 10  | 5 <b>♀</b> 4  | 25 <b>m</b> 47 | 13 <b>Ω</b> 51 | 15 <b>√</b> 14 | 19°R58         | 9°R28         | 16 <b>M</b> 12 | 289 4 | 1°R12           | 0 중 0           | 26 <u>₽</u> 24 | 22 <b>II</b> 48 | T 1  |
| W 2  | 22 43 51 | 9°19'51          | 15°53          | 6° 9          | 27° 1          | 14°29          | 15°17          | 19 <b>米</b> 53 | 9 <b>8</b> 28 | 16°14          | 28° 5 | 1る 2            | 29 <b>×</b> 757 | 26°31          | 22°50           | W 2  |
| T 3  | 22 47 48 | 10°17'57         | 0 <b>Υ</b> 48  | 7°13          | 28°15          | 15° 7          | 15°21          | 19°49          | 9°27          | 16°16          | 28° 6 | 0°52            | 29°54           | 26°38          | 22°53           | T 3  |
| F 4  | 22 51 44 | 11°16'04         | 15°45          | 8°14          | 29°29          | 15°45          | 15°25          | 19°44          | 9°26          | 16°19          | 28° 8 | 0°42            | 29°51           | 26°44          | 22°55           | F 4  |
| S 5  | 22 55 41 | 12°14'13         | 0 <b>8</b> 34  | 9°13          | 0 <b>ჲ</b> 43  | 16°23          | 15°30          | 19°40          | 9°25          | 16°21          | 28° 9 | 0°35            | 29°47           | 26°51          | 22°56           | S 5  |
| S 6  | 22 59 37 | 13°12'24         | 15°10          | 10° 9         | 1°57           | 17° 2          | 15°34          | 19°35          | 9°24          | 16°23          | 28°10 | 0°30            | 29°44           | 26°58          | 22°58           | S 6  |
| M 7  | 23 3 34  | 14°10'37         | 29°28          | 11° 2         | 3°11           | 17°40          | 15°39          | 19°31          | 9°23          | 16°25          | 28°11 | 0°27            | 29°41           | 27° 4          | 23° 0           | M 7  |
| T 8  | 23 7 31  | 15° 8'53         | 13Ⅲ26          | 11°52         | 4°25           | 18°18          | 15°44          | 19°26          | 9°22          | 16°28          | 28°12 | 0°D26           | 29°38           | 27°11          | 23° 2           | T 8  |
| W 9  | 23 11 27 | 16° 7'10         | 27° 3          | 12°38         | 5°39           | 18°56          | 15°48          | 19°22          | 9°20          | 16°30          | 28°14 | 0°R27           | 29°35           | 27°18          | 23° 4           | W 9  |
| T 10 | 23 15 24 | 17° 5'30         | 109523         | 13°22         | 6°53           | 19°33          | 15°54          | 19°17          | 9°19          | 16°32          | 28°15 | 0°26            | 29°32           | 27°25          | 23° 5           | T 10 |
| F 11 | 23 19 20 | 18° 3'52         | 23°26          | 14° 1         | 8° 7           | 20°11          | 15°59          | 19°12          | 9°18          | 16°34          | 28°16 | 0°24            | 29°28           | 27°31          | 23° 7           | F 11 |
| S 12 | 23 23 17 | 19° 2'15         | 6 <b>Ω</b> 17  | 14°37         | 9°21           | 20°49          | 16° 4          | 19° 8          | 9°17          | 16°36          | 28°17 | 0°20            | 29°25           | 27°38          | 23° 8           | S 12 |
| S 13 | 23 27 13 | 20° 0'41         | 18°55          | 15° 8         | 10°35          | 21°27          | 16°10          | 19° 3          | 9°15          | 16°39          | 28°18 | 0°13            | 29°22           | 27°45          | 23°10           | S 13 |
| M14  | 23 31 10 | 20°59'09         | 1 <b>m</b> 23  | 15°35         | 11°49          | 22° 5          | 16°16          | 18°58          | 9°14          | 16°41          | 28°19 | 0° 3            | 29°19           | 27°51          | 23°11           | M14  |
| T 15 | 23 35 6  | 21°57'38         | 13°42          | 15°56         | 13° 2          | 22°43          | 16°22          | 18°54          | 9°13          | 16°43          | 28°20 | 29 <b>×</b> 750 | 29°16           | 27°58          | 23°12           | T 15 |
| W16  | 23 39 3  | 22°56'10         | 25°52          | 16°12         | 14°16          | 23°21          | 16°28          | 18°49          | 9°11          | 16°45          | 28°21 | 29°37           | 29°13           | 28° 5          | 23°13           | W16  |
| T 17 | 23 42 59 | 23°54'43         | 7 <b>≙</b> 55  | 16°23         | 15°30          | 23°58          | 16°34          | 18°45          | 9°10          | 16°48          | 28°22 | 29°23           | 29° 9           | 28°12          | 23°15           | T 17 |
| F 18 | 23 46 56 | 24°53'18         | 19°51          | 16°R28        | 16°44          | 24°36          | 16°40          | 18°40          | 9° 8          | 16°50          | 28°24 | 29° 9           | 29° 6           | 28°18          | 23°16           | F 18 |
| S 19 | 23 50 53 | 25°51'56         | 1 <b>M</b> .42 | 16°26         | 17°58          | 25°14          | 16°47          | 18°35          | 9° 7          | 16°52          | 28°25 | 28°58           | 29° 3           | 28°25          | 23°17           | S 19 |
| S 20 | 23 54 49 | 26°50'35         | 13°31          | 16°17         | 19°12          | 25°51          | 16°53          | 18°31          | 9° 5          | 16°54          | 28°25 | 28°50           | 29° 0           | 28°32          | 23°17           | S 20 |
| M21  | 23 58 46 | 27°49'15         | 25°21          | 16° 2         | 20°26          | 26°29          | 17° 0          | 18°26          | 9° 3          | 16°56          | 28°26 | 28°44           | 28°57           | 28°38          | 23°18           | M21  |
| T 22 | 0 2 42   | 28°47'58         | 7 <b>.</b> ₹15 | 15°40         | 21°40          | 27° 7          | 17° 7          | 18°22          | 9° 2          | 16°59          | 28°27 | 28°41           | 28°53           | 28°45          | 23°19           | T 22 |
| W23  | 0 639    | 29°46'42         | 19°19          | 15°10         | 22°54          | 27°44          | 17°14          | 18°17          | 9° 0          | 17° 1          | 28°28 | 28°40           | 28°50           | 28°52          | 23°20           | W23  |
| T 24 | 0 10 35  | 0 <b>≏</b> 45'28 | 1 <b>る</b> 37  | 14°33         | 24° 8          | 28°22          | 17°22          | 18°13          | 8°58          | 17° 3          | 28°29 | 28°40           | 28°47           | 28°58          | 23°20           | T 24 |
| F 25 | 0 14 32  | 1°44'16          | 14°15          | 13°49         | 25°21          | 28°59          | 17°29          | 18° 8          | 8°56          | 17° 5          | 28°30 | 28°39           | 28°44           | 29° 5          | 23°21           | F 25 |
| S 26 | 0 18 28  | 2°43'05          | 27°17          | 12°58         | 26°35          | 29°37          | 17°36          | 18° 4          | 8°54          | 17° 7          | 28°31 | 28°38           | 28°41           | 29°12          | 23°21           | S 26 |
| S 27 | 0 22 25  | 3°41'56          | 10≈48          | 12° 2         | 27°49          | 0 <b>m</b> 14  | 17°44          | 18° 0          | 8°53          | 17° 9          | 28°32 | 28°34           | 28°38           | 29°19          | 23°22           | S 27 |
| M28  | 0 26 22  | 4°40'49          | 24°49          | 11° 1         | 29° 3          | 0°52           | 17°52          | 17°55          | 8°51          | 17°12          | 28°33 | 28°28           | 28°34           | 29°25          | 23°22           | M28  |
| T 29 | 0 30 18  | 5°39'44          | 9 <b>∺</b> 20  | 9°55          | 0 <b>M</b> 17  | 1°29           | 18° 0          | 17°51          | 8°49          | 17°14          | 28°33 | 28°19           | 28°31           | 29°32          | 23°22           | T 29 |
| W30  | 0 34 15  | 6 <b>≏</b> 38'40 | 24 <b>)</b> 14 | 8 <b>≏</b> 48 | 1 <b>M</b> 30  | 2Mp 6          | 18 <b>才</b> 8  | 17 <b>)</b> 47 | 8 <b>8</b> 47 | 17 <b>M</b> 16 | 28934 | 28 <b>∡</b> 8   | 28 <b>×</b> 28  | 29 <b>॒</b> 39 | 23 <b>II</b> 22 | W30  |

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| Day  | Sid.t   | 0                | 9              | φ              | φ              | δ        | 4              | ħ              | )ţ(           | ¥               | Р      | ß               | ಬ                           | Ç              | Š               | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------|----------------|----------------|---------------|-----------------|--------|-----------------|-----------------------------|----------------|-----------------|------|
| T 1  | 0 38 11 | 7 <b>≏</b> 37'39 | 9 <b>Υ</b> 24  | 7°R39          | 2 <b>M</b> .44 | 2 Mp 44  | 18 <b>×</b> 16 | 17°R43         | 8°R45         | 17 <b>m</b> )18 | 28935  | 27°R57          | 28 <b>×</b> <sup>7</sup> 25 | 29 <b>≏</b> 45 | 23°R22          | T 1  |
| F 2  | 0 42 8  | 8°36'39          | 24°40          | 6 <b>₽</b> 32  | 3°58           | 3°21     | 18°24          | 17 <b>米</b> 39 | 8 <b>8</b> 43 | 17°20           | 28°36  | 27 <b>×</b> 746 | 28°22                       | 29°52          | 23耳22           | F 2  |
| S 3  | 0 46 4  | 9°35'42          | 9 <b>8</b> 50  | 5°27           | 5°12           | 3°58     | 18°33          | 17°34          | 8°41          | 17°22           | 28°36  | 27°38           | 28°19                       | 29°59          | 23°22           | S 3  |
| S 4  | 0 50 1  | 10°34'47         | 24°44          | 4°27           | 6°25           | 4°36     | 18°41          | 17°30          | 8°39          | 17°24           | 28°37  | 27°32           | 28°15                       | 0 <b>M</b> 6   | 23°22           | S 4  |
| M 5  | 0 53 57 | 11°33'54         | 9 <b>Ⅱ</b> 17  | 3°34           | 7°39           | 5°13     | 18°50          | 17°26          | 8°37          | 17°26           | 28°38  | 27°29           | 28°12                       | 0°12           | 23°22           | M 5  |
| T 6  | 0 57 54 | 12°33'04         | 23°24          | 2°48           | 8°53           | 5°50     | 18°59          | 17°22          | 8°34          | 17°28           | 28°38  | 27°D28          | 28° 9                       | 0°19           | 23°21           | T 6  |
| W 7  | 1 1 51  | 13°32'16         | 799 6          | 2°11           | 10° 7          | 6°27     | 19° 8          | 17°18          | 8°32          | 17°31           | 28°39  | 27°R28          | 28° 6                       | 0°26           | 23°21           | W 7  |
| T 8  | 1 5 47  | 14°31'30         | 20°24          | 1°44           | 11°20          | 7° 5     | 19°17          | 17°15          | 8°30          | 17°33           | 28°39  | 27°28           | 28° 3                       | 0°32           | 23°21           | T 8  |
| F 9  | 1 9 44  | 15°30'47         | $3\Omega 21$   | 1°28           | 12°34          | 7°42     | 19°26          | 17°11          | 8°28          | 17°35           | 28°40  | 27°27           | 27°59                       | 0°39           | 23°20           | F 9  |
| S 10 | 1 13 40 | 16°30'06         | 16° 1          | 1°D22          | 13°48          | 8°19     | 19°35          | 17° 7          | 8°26          | 17°37           | 28°40  | 27°23           | 27°56                       | 0°46           | 23°19           | S 10 |
| S 11 | 1 17 37 | 17°29'27         | 28°27          | 1°28           | 15° 1          | 8°56     | 19°45          | 17° 3          | 8°23          | 17°39           | 28°41  | 27°17           | 27°53                       | 0°52           | 23°19           | S 11 |
| M12  | 1 21 33 | 18°28'50         | 10 <b>m</b> 42 | 1°44           | 16°15          | 9°33     | 19°54          | 17° 0          | 8°21          | 17°41           | 28°41  | 27° 8           | 27°50                       | 0°59           | 23°18           | M12  |
| T 13 | 1 25 30 | 19°28'16         | 22°49          | 2°10           | 17°29          | 10°10    | 20° 4          | 16°56          | 8°19          | 17°43           | 28°42  | 26°57           | 27°47                       | 1° 6           | 23°17           | T 13 |
| W14  | 1 29 26 | 20°27'43         | 4 <b>₽</b> 50  | 2°45           | 18°42          | 10°47    | 20°14          | 16°53          | 8°17          | 17°44           | 28°42  | 26°44           | 27°44                       | 1°13           | 23°16           | W14  |
| T 15 | 1 33 23 | 21°27'13         | 16°46          | 3°30           | 19°56          | 11°24    | 20°24          | 16°49          | 8°14          | 17°46           | 28°43  | 26°31           | 27°40                       | 1°19           | 23°15           | T 15 |
| F 16 | 1 37 20 | 22°26'45         | 28°38          | 4°22           | 21°10          | 12° 1    | 20°34          | 16°46          | 8°12          | 17°48           | 28°43  | 26°19           | 27°37                       | 1°26           | 23°14           | F 16 |
| S 17 | 1 41 16 | 23°26'19         | 10 <b>M</b> 28 | 5°22           | 22°23          | 12°38    | 20°44          | 16°43          | 8°10          | 17°50           | 28°43  | 26° 9           | 27°34                       | 1°33           | 23°13           | S 17 |
| S 18 | 1 45 13 | 24°25'55         | 22°17          | 6°29           | 23°37          | 13°15    | 20°54          | 16°40          | 8° 7          | 17°52           | 28°44  | 26° 1           | 27°31                       | 1°39           | 23°12           | S 18 |
| M19  | 1 49 9  | 25°25'33         | 4 <b>₹</b> 9   | 7°41           | 24°50          | 13°52    | 21° 4          | 16°37          | 8° 5          | 17°54           | 28°44  | 25°56           | 27°28                       | 1°46           | 23°10           | M19  |
| T 20 | 1 53 6  | 26°25'13         | 16° 5          | 8°58           | 26° 4          | 14°28    | 21°15          | 16°34          | 8° 2          | 17°56           | 28°44  | 25°53           | 27°24                       | 1°53           | 23° 9           | T 20 |
| W21  | 1 57 2  | 27°24'55         | 28°10          | 10°19          | 27°18          | 15° 5    | 21°25          | 16°31          | 8° 0          | 17°58           | 28°45  | 25°D53          | 27°21                       | 1°59           | 23° 7           | W21  |
| T 22 | 2 0 59  | 28°24'38         | 10 <b>ට</b> 27 | 11°44          | 28°31          | 15°42    | 21°36          | 16°28          | 7°58          | 17°59           | 28°45  | 25°53           | 27°18                       | 2° 6           | 23° 6           | T 22 |
| F 23 | 2 4 55  | 29°24'23         | 23° 2          | 13°12          | 29°45          | 16°19    | 21°46          | 16°25          | 7°55          | 18° 1           | 28°45  | 25°54           | 27°15                       | 2°13           | 23° 4           | F 23 |
| S 24 | 2 8 52  | 0M24'10          | 5 <b>≈</b> 59  | 14°43          | 0 <b>₹</b> 58  | 16°55    | 21°57          | 16°23          | 7°53          | 18° 3           | 28°45  | 25°R54          | 27°12                       | 2°19           | 23° 3           | S 24 |
| S 25 | 2 12 49 | 1°23'58          | 19°22          | 16°16          | 2°12           | 17°32    | 22° 8          | 16°20          | 7°50          | 18° 5           | 28°45  | 25°53           | 27° 9                       | 2°26           | 23° 1           | S 25 |
| M26  | 2 16 45 | 2°23'48          | 3 <b>∺</b> 15  | 17°50          | 3°25           | 18° 9    | 22°19          | 16°17          | 7°48          | 18° 6           | 28°45  | 25°49           | 27° 5                       | 2°33           | 22°59           | M26  |
| T 27 | 2 20 42 | 3°23'40          | 17°36          | 19°26          | 4°39           | 18°45    | 22°30          | 16°15          | 7°45          | 18° 8           | 28°46  | 25°43           | 27° 2                       | 2°40           | 22°57           | T 27 |
| W28  | 2 24 38 | 4°23'33          | 2 <b>Υ</b> 24  | 21° 3          | 5°52           | 19°22    | 22°41          | 16°13          | 7°43          | 18°10           | 28°46  | 25°36           | 26°59                       | 2°46           | 22°55           | W28  |
| T 29 | 2 28 35 | 5°23'28          | 17°32          | 22°40          | 7° 5           | 19°58    | 22°52          | 16°11          | 7°40          | 18°11           | 28°46  | 25°28           | 26°56                       | 2°53           | 22°53           | T 29 |
| F 30 | 2 32 31 | 6°23'25          | 2 <b>8</b> 50  | 24°18          | 8°19           | 20°35    | 23° 4          | 16° 8          | 7°38          | 18°13           | 28°R46 | 25°20           | 26°53                       | 3° 0           | 22°51           | F 30 |
| S 31 | 2 36 28 | 7 <b>M</b> 23'24 | 18 <b>8</b> 8  | 25 <b>≏</b> 57 | 9 <b>∡</b> ³32 | 21 Mp 11 | 23 <b>×</b> 15 | 16 <b>∺</b> 6  | 7 <b>8</b> 35 | 18 <b>M</b> 15  | 289546 | 25 <b>∡</b> 14  | 26 <b>₮</b> 50              | 3M 6           | 22 <b>II</b> 49 | S 31 |

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| Day  | Sid.t   | 0                 | D               | ğ              | Q               | ♂             | 4               | ħ              | )វ(           | ¥               | Р      | 'n            | v               | ţ              | ę<br>k          | Day  |
|------|---------|-------------------|-----------------|----------------|-----------------|---------------|-----------------|----------------|---------------|-----------------|--------|---------------|-----------------|----------------|-----------------|------|
| S 1  | 2 40 24 | 8M23'25           | 3 <b>П</b> 14   | 27 <b>₽</b> 36 | 10 <b>∡</b> 146 | 21 m/48       | 23 <b>×</b> 126 | 16°R 4         | 7°R33         | 18 <b>M</b> )16 | 28°R46 | 25°R10        | 26 <b>∡</b> 746 | 3 <b>M</b> _13 | 22°R47          | S 1  |
| M 2  | 2 44 21 | 9°23'28           | 18° 1           | 29°15          | 11°59           | 22°24         | 23°38           | 16 <b>米</b> 3  | 7 <b>8</b> 31 | 18°18           | 289546 | 25 <b>∡</b> 8 | 26°43           | 3°20           | 22 <b>II</b> 45 | M 2  |
| T 3  | 2 48 18 | 10°23'33          | 29521           | 0 <b>M</b> 54  | 13°12           | 23° 0         | 23°50           | 16° 1          | 7°28          | 18°19           | 28°46  | 25°D 8        | 26°40           | 3°26           | 22°42           | T 3  |
| W 4  | 2 52 14 | 11°23'41          | 16°14           | 2°33           | 14°26           | 23°37         | 24° 1           | 15°59          | 7°26          | 18°21           | 28°45  | 25°10         | 26°37           | 3°33           | 22°40           | W 4  |
| T 5  | 2 56 11 | 12°23'50          | 29°40           | 4°11           | 15°39           | 24°13         | 24°13           | 15°58          | 7°23          | 18°22           | 28°45  | 25°11         | 26°34           | 3°40           | 22°38           | T 5  |
| F 6  | 3 0 7   | 13°24'01          | 12 <b>\O</b> 40 | 5°50           | 16°52           | 24°49         | 24°25           | 15°56          | 7°21          | 18°24           | 28°45  | 25°R12        | 26°30           | 3°47           | 22°35           | F 6  |
| S 7  | 3 4 4   | 14°24'15          | 25°20           | 7°28           | 18° 5           | 25°25         | 24°37           | 15°55          | 7°18          | 18°25           | 28°45  | 25°11         | 26°27           | 3°53           | 22°33           | S 7  |
| S 8  | 3 8 0   | 15°24'30          | 7 <b>m</b> 42   | 9° 7           | 19°19           | 26° 2         | 24°49           | 15°54          | 7°16          | 18°27           | 28°45  | 25° 8         | 26°24           | 4° 0           | 22°30           | S 8  |
| M 9  | 3 11 57 | 16°24'47          | 19°52           | 10°44          | 20°32           | 26°38         | 25° 1           | 15°53          | 7°13          | 18°28           | 28°44  | 25° 4         | 26°21           | 4° 7           | 22°27           | M 9  |
| T 10 | 3 15 53 | 17°25'07          | 1 <b>≏</b> 52   | 12°22          | 21°45           | 27°14         | 25°13           | 15°52          | 7°11          | 18°29           | 28°44  | 24°58         | 26°18           | 4°13           | 22°25           | T 10 |
| W11  | 3 19 50 | 18°25'28          | 13°47           | 13°59          | 22°58           | 27°50         | 25°25           | 15°51          | 7° 8          | 18°31           | 28°44  | 24°52         | 26°15           | 4°20           | 22°22           | W11  |
| T 12 | 3 23 46 | 19°25'51          | 25°38           | 15°36          | 24°11           | 28°26         | 25°38           | 15°50          | 7° 6          | 18°32           | 28°44  | 24°45         | 26°11           | 4°27           | 22°19           | T 12 |
| F 13 | 3 27 43 | 20°26'16          | 7 <b>M</b> 28   | 17°13          | 25°24           | 29° 2         | 25°50           | 15°49          | 7° 4          | 18°33           | 28°43  | 24°38         | 26° 8           | 4°33           | 22°16           | F 13 |
| S 14 | 3 31 40 | 21°26'42          | 19°19           | 18°50          | 26°37           | 29°38         | 26° 2           | 15°48          | 7° 1          | 18°35           | 28°43  | 24°32         | 26° 5           | 4°40           | 22°13           | S 14 |
| S 15 | 3 35 36 | 22°27'11          | 1 <b>√</b> 13   | 20°26          | 27°50           | 0 <b>ჲ</b> 14 | 26°15           | 15°48          | 6°59          | 18°36           | 28°43  | 24°28         | 26° 2           | 4°47           | 22°10           | S 15 |
| M16  | 3 39 33 | 23°27'41          | 13°11           | 22° 2          | 29° 3           | 0°50          | 26°27           | 15°47          | 6°57          | 18°37           | 28°42  | 24°26         | 25°59           | 4°53           | 22° 7           | M16  |
| T 17 | 3 43 29 | 24°28'12          | 25°16           | 23°37          | 0 <b>궁</b> 16   | 1°25          | 26°40           | 15°47          | 6°54          | 18°38           | 28°42  | 24°D25        | 25°56           | 5° 0           | 22° 4           | T 17 |
| W18  | 3 47 26 | 25°28'45          | 7 <b>云</b> 29   | 25°13          | 1°29            | 2° 1          | 26°53           | 15°47          | 6°52          | 18°39           | 28°41  | 24°26         | 25°52           | 5° 7           | 22° 1           | W18  |
| T 19 | 3 51 22 | 26°29'19          | 19°54           | 26°48          | 2°42            | 2°37          | 27° 5           | 15°D47         | 6°50          | 18°40           | 28°41  | 24°28         | 25°49           | 5°14           | 21°58           | T 19 |
| F 20 | 3 55 19 | 27°29'55          | 2≈34            | 28°23          | 3°55            | 3°12          | 27°18           | 15°47          | 6°47          | 18°41           | 28°40  | 24°29         | 25°46           | 5°20           | 21°55           | F 20 |
| S 21 | 3 59 16 | 28°30'31          | 15°32           | 29°57          | 5° 8            | 3°48          | 27°31           | 15°47          | 6°45          | 18°42           | 28°40  | 24°31         | 25°43           | 5°27           | 21°51           | S 21 |
| S 22 | 4 3 12  | 29°31'09          | 28°50           | 1 <b>₹</b> 32  | 6°21            | 4°24          | 27°44           | 15°47          | 6°43          | 18°43           | 28°39  | 24°R31        | 25°40           | 5°34           | 21°48           | S 22 |
| M23  | 4 7 9   | 0 <b>₮</b> 31'48  | 12 <b>)</b> 32  | 3° 6           | 7°34            | 4°59          | 27°57           | 15°48          | 6°41          | 18°44           | 28°39  | 24°31         | 25°36           | 5°40           | 21°45           | M23  |
| T 24 | 4 11 5  | 1°32'28           | 26°39           | 4°40           | 8°46            | 5°35          | 28°10           | 15°48          | 6°39          | 18°45           | 28°38  | 24°29         | 25°33           | 5°47           | 21°41           | T 24 |
| W25  | 4 15 2  | 2°33'09           | 11 <b>Y</b> 8   | 6°14           | 9°59            | 6°10          | 28°23           | 15°49          | 6°36          | 18°46           | 28°37  | 24°27         | 25°30           | 5°54           | 21°38           | W25  |
| T 26 | 4 18 58 | 3°33'51           | 25°57           | 7°48           | 11°12           | 6°46          | 28°36           | 15°49          | 6°34          | 18°47           | 28°37  | 24°24         | 25°27           | 6° 0           | 21°35           | T 26 |
| F 27 | 4 22 55 | 4°34'35           | 118 0           | 9°22           | 12°24           | 7°21          | 28°49           | 15°50          | 6°32          | 18°48           | 28°36  | 24°21         | 25°24           | 6° 7           | 21°31           | F 27 |
| S 28 | 4 26 51 | 5°35'19           | 26° 6           | 10°56          | 13°37           | 7°56          | 29° 2           | 15°51          | 6°30          | 18°49           | 28°35  | 24°19         | 25°21           | 6°14           | 21°28           | S 28 |
| S 29 | 4 30 48 | 6°36'05           | 11 <b>II</b> 8  | 12°29          | 14°50           | 8°31          | 29°15           | 15°52          | 6°28          | 18°49           | 28°35  | 24°18         | 25°17           | 6°20           | 21°24           | S 29 |
| M30  | 4 34 45 | 7 <b>∡</b> 136′52 | 25耳57           | 14 <b>∡</b> 3  | 16 <b>ට</b> 2   | 9 <b>쇼</b> 7  | 29 <b>×</b> 129 | 15 <b>¥</b> 53 | 6 <b>8</b> 26 | 18 <b>m</b> 50  | 28934  | 24°D17        | 25 <b>×</b> 14  | 6 <b>M</b> 27  | 21 <b>II</b> 21 | M30  |

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DECEMBER 1936 00:00 UT

| Day  | Sid.t   | $\odot$           | <b>)</b>       | φ               | ·              | o <sup>7</sup> | 4               | ħ              | )ұ(           | ¥              | P .    | ß              | Ω              | ţ             | δ               | Day  |
|------|---------|-------------------|----------------|-----------------|----------------|----------------|-----------------|----------------|---------------|----------------|--------|----------------|----------------|---------------|-----------------|------|
| T 1  | 4 38 41 | 8 <b>×</b> 37'41  | 109524         | 15 <b>∡</b> ³36 | 17 <b>る</b> 14 | 9 <b>≏</b> 42  | 29 <b>×</b> 142 | 15 <b>)</b> 54 | 6°R24         | 18 <b>m</b> 51 | 28°R33 | 24 <b>×</b> 18 | 25 <b>×</b> 11 | 6MJ34         | 21°R17          | T 1  |
| W 2  | 4 42 38 | 9°38'30           | 24°27          | 17° 9           | 18°27          | 10°17          | 29°55           | 15°56          | 6 <b>8</b> 22 | 18°52          | 28932  | 24°19          | 25° 8          | 6°41          | 21 <b>I</b> I13 | W 2  |
| T 3  | 4 46 34 | 10°39'21          | 8 <b>N</b> 2   | 18°43           | 19°39          | 10°52          | 0 <b>궁</b> 9    | 15°57          | 6°20          | 18°52          | 28°31  | 24°20          | 25° 5          | 6°47          | 21°10           | T 3  |
| F 4  | 4 50 31 | 11°40'14          | 21°11          | 20°16           | 20°51          | 11°27          | 0°22            | 15°58          | 6°18          | 18°53          | 28°31  | 24°21          | 25° 2          | 6°54          | 21° 6           | F 4  |
| S 5  | 4 54 27 | 12°41'07          | 3 <b>m</b> 57  | 21°49           | 22° 4          | 12° 2          | 0°35            | 16° 0          | 6°16          | 18°53          | 28°30  | 24°22          | 24°58          | 7° 1          | 21° 3           | S 5  |
| S 6  | 4 58 24 | 13°42'02          | 16°22          | 23°22           | 23°16          | 12°37          | 0°49            | 16° 2          | 6°15          | 18°54          | 28°29  | 24°R22         | 24°55          | 7° 7          | 20°59           | S 6  |
| M 7  | 5 2 20  | 14°42'59          | 28°32          | 24°55           | 24°28          | 13°12          | 1° 2            | 16° 4          | 6°13          | 18°55          | 28°28  | 24°22          | 24°52          | 7°14          | 20°55           | M 7  |
| T 8  | 5 6 17  | 15°43'56          | 10 <b>≏</b> 31 | 26°28           | 25°40          | 13°46          | 1°16            | 16° 5          | 6°11          | 18°55          | 28°27  | 24°21          | 24°49          | 7°21          | 20°52           | T 8  |
| W 9  | 5 10 14 | 16°44'55          | 22°23          | 28° 1           | 26°52          | 14°21          | 1°29            | 16° 8          | 6° 9          | 18°55          | 28°26  | 24°20          | 24°46          | 7°27          | 20°48           | W 9  |
| T 10 | 5 14 10 | 17°45'54          | 4 <b>M</b> .12 | 2 <u>9</u> °34  | 28° 4          | 14°56          | 1°43            | 16°10          | 6° 8          | 18°56          | 28°25  | 24°19          | 24°42          | 7°34          | 20°44           | T 10 |
| F 11 | 5 18 7  | 18°46'55          | 16° 3          | 1중 7            | 29°16          | 15°30          | 1°57            | 16°12          | 6° 6          | 18°56          | 28°24  | 24°18          | 24°39          | 7°41          | 20°40           | F 11 |
| S 12 | 5 22 3  | 19°47'57          | 27°57          | 2°40            | 0≈27           | 16° 5          | 2°10            | 16°14          | 6° 4          | 18°57          | 28°23  | 24°17          | 24°36          | 7°47          | 20°37           | S 12 |
| S 13 | 5 26 0  | 20°49'00          | 9 <b>∡</b> 158 | 4°12            | 1°39           | 16°39          | 2°24            | 16°17          | 6° 3          | 18°57          | 28°22  | 24°17          | 24°33          | 7°54          | 20°33           | S 13 |
| M14  | 5 29 56 | 21°50'04          | 22° 6          | 5°44            | 2°51           | 17°14          | 2°37            | 16°19          | 6° 1          | 18°57          | 28°21  | 24°D17         | 24°30          | 8° 1          | 20°29           | M14  |
| T 15 | 5 33 53 | 22°51'08          | 4 <b>궁</b> 25  | 7°16            | 4° 2           | 17°48          | 2°51            | 16°22          | 6° 0          | 18°57          | 28°20  | 24°17          | 24°27          | 8° 7          | 20°26           | T 15 |
| W16  | 5 37 49 | 23°52'14          | 16°55          | 8°47            | 5°14           | 18°22          | 3° 5            | 16°25          | 5°58          | 18°58          | 28°19  | 24°R17         | 24°23          | 8°14          | 20°22           | W16  |
| T 17 | 5 41 46 | 24°53'19          | 29°37          | 10°18           | 6°25           | 18°57          | 3°19            | 16°27          | 5°57          | 18°58          | 28°18  | 24°17          | 24°20          | 8°21          | 20°18           | T 17 |
| F 18 | 5 45 43 | 25°54'25          | 12 <b>≈</b> 33 | 11°49           | 7°36           | 19°31          | 3°32            | 16°30          | 5°56          | 18°58          | 28°17  | 24°17          | 24°17          | 8°28          | 20°15           | F 18 |
| S 19 | 5 49 39 | 26°55'32          | 25°43          | 13°18           | 8°48           | 20° 5          | 3°46            | 16°33          | 5°54          | 18°58          | 28°16  | 24°17          | 24°14          | 8°34          | 20°11           | S 19 |
| S 20 | 5 53 36 | 27°56'38          | 9 <b>∺</b> 7   | 14°47           | 9°59           | 20°39          | 4° 0            | 16°36          | 5°53          | 18°58          | 28°15  | 24°16          | 24°11          | 8°41          | 20° 7           | S 20 |
| M21  | 5 57 32 | 28°57'45          | 22°48          | 16°15           | 11°10          | 21°13          | 4°14            | 16°40          | 5°52          | 18°R58         | 28°14  | 24°D16         | 24° 8          | 8°48          | 20° 3           | M21  |
| T 22 | 6 1 29  | 2 <u>9</u> °58'52 | 6 <b>Ƴ</b> 45  | 17°41           | 12°21          | 21°47          | 4°27            | 16°43          | 5°51          | 18°58          | 28°13  | 24°16          | 24° 4          | 8°54          | 20° 0           | T 22 |
| W23  | 6 5 25  | 0 <b>궁</b> 59'59  | 20°57          | 19° 6           | 13°32          | 22°20          | 4°41            | 16°46          | 5°50          | 18°58          | 28°12  | 24°16          | 24° 1          | 9° 1          | 19°56           | W23  |
| T 24 | 6 9 22  | 2° 1'07           | 5 <b>8</b> 23  | 20°29           | 14°42          | 22°54          | 4°55            | 16°50          | 5°48          | 18°58          | 28°10  | 24°17          | 23°58          | 9° 8          | 19°53           | T 24 |
| F 25 | 6 13 18 | 3° 2'14           | 19°58          | 21°49           | 15°53          | 23°28          | 5° 9            | 16°53          | 5°47          | 18°58          | 28° 9  | 24°18          | 23°55          | 9°14          | 19°49           | F 25 |
| S 26 | 6 17 15 | 4° 3'22           | 4 <b>Ⅱ</b> 39  | 23° 7           | 17° 4          | 24° 1          | 5°23            | 16°57          | 5°46          | 18°58          | 28° 8  | 24°18          | 23°52          | 9°21          | 19°45           | S 26 |
| S 27 | 6 21 12 | 5° 4'30           | 19°19          | 24°22           | 18°14          | 24°35          | 5°37            | 17° 1          | 5°45          | 18°58          | 28° 7  | 24°R19         | 23°48          | 9°28          | 19°42           | S 27 |
| M28  | 6 25 8  | 6° 5'38           | 3951           | 25°33           | 19°24          | 25° 8          | 5°50            | 17° 5          | 5°45          | 18°57          | 28° 6  | 24°19          | 23°45          | 9°34          | 19°38           | M28  |
| T 29 | 6 29 5  | 7° 6'46           | 18°10          | 26°41           | 20°34          | 25°41          | 6° 4            | 17° 9          | 5°44          | 18°57          | 28° 4  | 24°18          | 23°42          | 9°41          | 19°35           | T 29 |
| W30  | 6 33 1  | 8° 7'54           | 2Ω11           | 27°43           | 21°44          | 26°14          | 6°18            | 17°13          | 5°43          | 18°57          | 28° 3  | 24°17          | 23°39          | 9°48          | 19°31           | W30  |
| T 31 | 6 36 58 | 9号 9'03           | 15 <b>Ω</b> 48 | 28 <b>궁</b> 39  | 22≈54          | 26 <b>≏</b> 48 | 6 <b>궁</b> 32   | 17 <b>米</b> 17 | 5 <b>8</b> 42 | 18 <b>M</b> 56 | 2895 2 | 24 <b>×</b> 15 | 23 <b>×</b> 36 | 9 <b>M</b> 54 | 19 <b>Ⅱ</b> 28  | T 31 |

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JANUARY 1937 00:00 UT

| Day          | Sid.t              | 0                  | D                       | ğ               | φ                            | ♂               | 4              | ħ                 | )f(           | ¥               | В              | n              | v                           | Ç              | ę,              | Day          |
|--------------|--------------------|--------------------|-------------------------|-----------------|------------------------------|-----------------|----------------|-------------------|---------------|-----------------|----------------|----------------|-----------------------------|----------------|-----------------|--------------|
| F 1          | 6 40 54            | 10\210'11          | 29⋒ 3                   | 29 <b>궁</b> 29  | 24≈ 4                        | 27 <b>≏</b> 21  | 6 <b>පි</b> 46 | 17 <b>)</b> (21   | 5°R42         | 18°R56          | 28°R 1         | 24°R12         | 23 <b>×</b> <sup>7</sup> 33 | 10 <b>M</b> 1  | 19°R25          | F 1          |
| S 2          | 6 44 51            | 11°11'20           | 11 <b>m</b> 54          | 0≈12            | 25°14                        | 27°54           | 6°59           | 17°25             | 5 <b>8</b> 41 | 18 <b>M</b> 56  | 279559         | 24 <b>×</b> 10 | 23°29                       | 10° 8          | 19 <b>Ⅲ</b> 21  | S 2          |
| S 3          | 6 48 48            | 12°12'30           | 24°25                   | 0°47            | 26°23                        | 28°26           | 7°13           | 17°30             | 5°40          | 18°55           | 27°58          | 24° 8          | 23°26                       | 10°15          | 19°18           | S 3          |
| M 4          | 6 52 44            | 13°13'39           | 6 <b>₽</b> 38           | 1°12            | 27°32                        | 28°59           | 7°27           | 17°34             | 5°40          | 18°55           | 27°57          | 24° 7          | 23°23                       | 10°21          | 19°14           | M 4          |
| T 5          | 6 56 41            | 14°14'49           | 18°38                   | 1°28            | 28°42                        | 29°32           | 7°41           | 17°39             | 5°39          | 18°54           | 27°56          | 24°D 7         | 23°20                       | 10°28          | 19°11           | T 5          |
| W 6          | 7 0 37             | 15°15'59           | 0 <b>M</b> .31          | 1°R32           | 29°51                        | OM 5            | 7°55           | 17°43             | 5°39          | 18°54           | 27°54          | 24° 8          | 23°17                       | 10°35          | 19°8            | W 6          |
| T 7          | 7 4 34             | 16°17'09           | 12°20                   | 1°26            | 0 <b>∺</b> 59                | 0°37            | 8° 8           | 17°48             | 5°38          | 18°53           | 27°53          | 24° 9          | 23°14                       | 10°41          | 19° 5           | T 7          |
| F 8          | 7 8 30             | 17°18'19           | 24°11                   | 1° 7            | 2° 8                         | 1° 9            | 8°22           | 17°53             | 5°38          | 18°53           | 27°52          | 24°11          | 23°10                       | 10°48          | 19° 2           | F 8          |
| S 9          | 7 12 27            | 18°19'30           | 6 <b>₹</b> 8            | 0°37            | 3°17                         | 1°42            | 8°36           | 17°58             | 5°38          | 18°52           | 27°50          | 24°13          | 23° 7                       | 10°55          | 18°59           | S 9          |
| S 10         | 7 16 23            | 19°20'40           | 18°15                   | 29 <b>궁</b> 55  | 4°25                         | 2°14            | 8°50           | 18° 3             | 5°38          | 18°52           | 27°49          | 24°R14         | 23° 4                       | 11° 1          | 18°55           | S 10         |
| M11          | 7 20 20            | 20°21'50           | 0 <b>궁</b> 35           | 29° 3           | 5°33                         | 2°46            | 9° 3           | 18° 8             | 5°37          | 18°51           | 27°48          | 24°14          | 23° 1                       | 11°8           | 18°52           | M11          |
| T 12         | 7 24 17            | 21°23'00           | 13° 9                   | 28° 1           | 6°41                         | 3°18            | 9°17           | 18°13             | 5°37          | 18°50           | 27°47          | 24°13          | 22°58                       | 11°15          | 18°50           | T 12         |
| W13          | 7 28 13            | 22°24'09           | 25°59                   | 26°51           | 7°49                         | 3°50            | 9°31           | 18°18             | 5°37          | 18°49           | 27°45          | 24°10          | 22°54                       | 11°21          | 18°47           | W13          |
| T 14         | 7 32 10            | 23°25'18           | 9≈ 5                    | 25°36           | 8°57                         | 4°22            | 9°45           | 18°23             | 5°D37         | 18°49           | 27°44          | 24° 6          | 22°51                       | 11°28          | 18°44           | T 14         |
| F 15         | 7 36 6             | 24°26'27           | 22°25                   | 24°18           | 10° 4                        | 4°53            | 9°58           | 18°28             | 5°37          | 18°48           | 27°43          | 24° 1          | 22°48                       | 11°35          | 18°41           | F 15         |
| S 16         | 7 40 3             | 25°27'35           | 5 <b>¥</b> 58           | 22°59           | 11°11                        | 5°25            | 10°12          | 18°34             | 5°37          | 18°47           | 27°41          | 23°55          | 22°45                       | 11°41          | 18°38           | S 16         |
| S 17         | 7 43 59            | 26°28'42           | 19°43                   | 21°42           | 12°18                        | 5°56            | 10°25          | 18°39             | 5°37          | 18°46           | 27°40          | 23°51          | 22°42                       | 11°48          | 18°35           | S 17         |
| M18          | 7 47 56            | 27°29'48           | 3 <b>Y</b> 36           | 20°29           | 13°25                        | 6°27            | 10°39          | 18°45             | 5°38          | 18°45           | 27°39          | 23°47          | 22°39                       | 11°55          | 18°33           | M18          |
| T 19         | 7 51 52            | 28°30'54           | 17°36                   | 19°22           | 14°31                        | 6°58            | 10°53          | 18°50             | 5°38          | 18°44           | 27°37          | 23°45          | 22°35                       | 12° 1          | 18°30           | T 19         |
| W20          | 7 55 49            | 29°31'58           | 1842                    | 18°22           | 15°38                        | 7°29            | 11° 6          | 18°56             | 5°38          | 18°43           | 27°36          | 23°D44         | 22°32                       | 12° 8          | 18°28           | W20          |
| T 21         | 7 59 46            | 0≈33'02            | 15°52                   | 17°30           | 16°44                        | 8° 0            | 11°20          | 19° 2             | 5°39          | 18°42           | 27°35          | 23°45          | 22°29                       | 12°15          | 18°25           | T 21         |
| F 22<br>S 23 | 8 3 42<br>8 7 39   | 1°34'05<br>2°35'06 | 0 <b>Ⅱ</b> 4<br>14°16   | 16°47<br>16°14  | 17°49<br>18°55               | 8°31<br>9° 2    | 11°33<br>11°46 | 19° 7<br>19°13    | 5°39<br>5°39  | 18°41<br>18°40  | 27°33<br>27°32 | 23°47<br>23°48 | 22°26<br>22°23              | 12°21<br>12°28 | 18°23<br>18°21  | F 22<br>S 23 |
|              |                    |                    |                         |                 |                              | -               | -              |                   |               |                 |                |                |                             |                |                 |              |
| S 24         | 8 11 35            | 3°36'07            | 28°27                   | 15°49           | 20° 0                        | 9°32            | 12° 0          | 19°19             | 5°40          | 18°39           | 27°31          | 23°R48         | 22°20                       | 12°35          | 18°18           | S 24         |
| M25          | 8 15 32            | 4°37'07            | 12932                   | 15°34           | 21° 5                        | 10° 2           | 12°13          | 19°25             | 5°40          | 18°38           | 27°29          | 23°47          | 22°16                       | 12°41          | 18°16           | M25          |
| T 26         | 8 19 28            | 5°38'06            | 26°28                   | 15°D27          | 22° 9                        | 10°33           | 12°26          | 19°31             | 5°41          | 18°37           | 27°28          | 23°43          | 22°13                       | 12°48          | 18°14<br>18°12  | T 26         |
| W27<br>T 28  | 8 23 25<br>8 27 21 | 6°39'04<br>7°40'00 | 10 <b>Ω</b> 12<br>23°39 | 15°28<br>15°37  | 23°14<br>24°18               | 11° 3<br>11°32  | 12°40<br>12°53 | 19°37<br>19°43    | 5°42<br>5°42  | 18°36<br>18°35  | 27°27<br>27°25 | 23°37<br>23°30 | 22°10<br>22° 7              | 12°55<br>13° 1 | 18°12<br>18°10  | W27<br>T 28  |
| F 29         | 8 2 / 21           | 8°40'56            | 6m/48                   | 15°53           | 25°21                        | 11°32<br>12° 2  | 12°53          | 19°43<br>19°49    | 5°42          | 18°34           | 27°24          | 23°30<br>23°22 | 22° 4                       | 13° 1          | 18° 10          | F 29         |
| S 30         | 8 35 15            | 9°41'51            | 19°38                   | 16°15           | 26°25                        | 12°32           | 13°19          | 19°56             | 5°44          | 18°33           | 27°23          | 23°13          | 22° 0                       | 13°15          | 18° 6           | S 30         |
| S 31         | 8 39 11            | 10≈42'46           | 2 <u>0</u> 10           | 16 <b>~</b> 343 | 27 <b>\(\frac{1}{2}\)</b> 28 | 13 <b>M</b> . 1 | 13 <b>石</b> 32 | 20 <del>X</del> 2 | 5 <b>8</b> 45 | 18 <b>m</b> )31 | 27921          | 23 7 6         | 21 <b>×7</b> 57             | 13 TJ          | 18 <b>I</b> I 4 | S 31         |
| 5 51         | 0 37 11            | 10/4/12 10         | 2-10                    | 10073           | 217(20                       | 13110 1         | 13 032         | 20/( 2            | J <b>O</b> 7J | 1011/01         | 27321          | 237 0          | 217 37                      | 1311022        | 104 7           | 551          |

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| Day  | Sid.t    | 0                | D              | ğ              | φ               | ♂      | 4              | ħ              | )f(           | 卉              | В      | n               | ß               | Ç              | ę,             | Day  |
|------|----------|------------------|----------------|----------------|-----------------|--------|----------------|----------------|---------------|----------------|--------|-----------------|-----------------|----------------|----------------|------|
| M 1  | 8 43 8   | 11≈43'39         | 14 <b>≏</b> 24 | 17 <b>궁</b> 17 | 28 <b>)</b> (30 | 13MJ31 | 13 <b>る</b> 45 | 20 <b>)</b> 8  | 5 <b>8</b> 46 | 18°R30         | 27°R20 | 23°R 0          | 21 <b>×</b> 754 | 13 <b>M</b> 28 | 18°R 2         | M 1  |
| T 2  | 8 47 4   | 12°44'32         | 26°26          | 17°55          | 29°32           | 14° 0  | 13°58          | 20°15          | 5°47          | 18 <b>m</b> 29 | 279519 | 22 <b>×</b> 756 | 21°51           | 13°35          | 18 <b>I</b> 1  | T 2  |
| W 3  | 8 51 1   | 13°45'24         | 8 <b>M</b> .19 | 18°38          | 0 <b>Υ</b> 34   | 14°29  | 14°11          | 20°21          | 5°48          | 18°28          | 27°18  | 22°55           | 21°48           | 13°42          | 17°59          | W 3  |
| T 4  | 8 54 57  | 14°46'15         | 20° 9          | 19°26          | 1°36            | 14°57  | 14°24          | 20°27          | 5°49          | 18°26          | 27°16  | 22°D55          | 21°45           | 13°48          | 17°58          | T 4  |
| F 5  | 8 58 54  | 15°47'05         | 1 <b>₹</b> 59  | 20°16          | 2°37            | 15°26  | 14°37          | 20°34          | 5°50          | 18°25          | 27°15  | 22°56           | 21°41           | 13°55          | 17°56          | F 5  |
| S 6  | 9 2 50   | 16°47'54         | 13°57          | 21°11          | 3°38            | 15°54  | 14°50          | 20°41          | 5°51          | 18°24          | 27°14  | 22°57           | 21°38           | 14° 2          | 17°55          | S 6  |
| S 7  | 9 6 47   | 17°48'42         | 26° 7          | 22° 8          | 4°38            | 16°23  | 15° 3          | 20°47          | 5°52          | 18°22          | 27°13  | 22°R57          | 21°35           | 14° 8          | 17°54          | S 7  |
| M 8  | 9 10 44  | 18°49'30         | 8 <b>云</b> 33  | 23° 8          | 5°38            | 16°51  | 15°16          | 20°54          | 5°54          | 18°21          | 27°11  | 22°56           | 21°32           | 14°15          | 17°52          | M 8  |
| T 9  | 9 14 40  | 19°50'16         | 21°18          | 24°11          | 6°37            | 17°19  | 15°28          | 21° 0          | 5°55          | 18°19          | 27°10  | 22°52           | 21°29           | 14°22          | 17°51          | T 9  |
| W10  | 9 18 37  | 20°51'01         | 4≈24           | 25°17          | 7°36            | 17°46  | 15°41          | 21° 7          | 5°56          | 18°18          | 27° 9  | 22°46           | 21°26           | 14°28          | 17°50          | W10  |
| T 11 | 9 22 33  | 21°51'44         | 17°52          | 26°24          | 8°34            | 18°14  | 15°53          | 21°14          | 5°58          | 18°17          | 27° 8  | 22°37           | 21°22           | 14°35          | 17°49          | T 11 |
| F 12 | 9 26 30  | 22°52'26         | 1 <b>∺</b> 39  | 27°34          | 9°32            | 18°41  | 16° 6          | 21°21          | 5°59          | 18°15          | 27° 7  | 22°27           | 21°19           | 14°42          | 17°48          | F 12 |
| S 13 | 9 30 26  | 23°53'07         | 15°41          | 28°45          | 10°29           | 19° 8  | 16°18          | 21°28          | 6° 1          | 18°14          | 27° 5  | 22°17           | 21°16           | 14°48          | 17°47          | S 13 |
| S 14 | 9 34 23  | 24°53'46         | 29°53          | 29°59          | 11°26           | 19°35  | 16°30          | 21°35          | 6° 2          | 18°12          | 27° 4  | 22° 7           | 21°13           | 14°55          | 17°47          | S 14 |
| M15  | 9 38 19  | 25°54'24         | 14 <b>Y</b> 10 | 1≈14           | 12°22           | 20° 1  | 16°43          | 21°42          | 6° 4          | 18°11          | 27° 3  | 21°58           | 21°10           | 15° 2          | 17°46          | M15  |
| T 16 | 9 42 16  | 26°55'00         | 28°28          | 2°30           | 13°18           | 20°28  | 16°55          | 21°48          | 6° 6          | 18° 9          | 27° 2  | 21°53           | 21° 6           | 15° 8          | 17°45          | T 16 |
| W17  | 9 46 13  | 27°55'34         | 12843          | 3°48           | 14°13           | 20°54  | 17° 7          | 21°55          | 6° 7          | 18° 8          | 27° 1  | 21°50           | 21° 3           | 15°15          | 17°45          | W17  |
| T 18 | 9 50 9   | 28°56'06         | 26°51          | 5° 8           | 15° 7           | 21°20  | 17°19          | 22° 2          | 6° 9          | 18° 6          | 27° 0  | 21°D49          | 21° 0           | 15°22          | 17°44          | T 18 |
| F 19 | 9 54 6   | 29°56'37         | 10耳53          | 6°29           | 16° 1           | 21°45  | 17°31          | 22°10          | 6°11          | 18° 4          | 26°59  | 21°49           | 20°57           | 15°28          | 17°44          | F 19 |
| S 20 | 9 58 2   | 0 <b>¥</b> 57'05 | 24°47          | 7°51           | 16°54           | 22°11  | 17°43          | 22°17          | 6°13          | 18° 3          | 26°58  | 21°R49          | 20°54           | 15°35          | 17°44          | S 20 |
| S 21 | 10 1 59  | 1°57'32          | 8933           | 9°14           | 17°46           | 22°36  | 17°55          | 22°24          | 6°14          | 18° 1          | 26°57  | 21°48           | 20°51           | 15°42          | 17°44          | S 21 |
| M22  | 10 5 55  | 2°57'57          | 22°12          | 10°39          | 18°38           | 23° 1  | 18° 7          | 22°31          | 6°16          | 18° 0          | 26°55  | 21°45           | 20°47           | 15°48          | 17°44          | M22  |
| T 23 | 10 9 52  | 3°58'20          | 5 <b>Ω</b> 41  | 12° 5          | 19°29           | 23°25  | 18°18          | 22°38          | 6°18          | 17°58          | 26°54  | 21°38           | 20°44           | 15°55          | 17°D44         | T 23 |
| W24  | 10 13 48 | 4°58'41          | 19° 1          | 13°32          | 20°19           | 23°50  | 18°30          | 22°45          | 6°20          | 17°57          | 26°53  | 21°29           | 20°41           | 16° 2          | 17°44          | W24  |
| T 25 | 10 17 45 | 5°59'00          | 2MD 8          | 15° 0          | 21° 8           | 24°14  | 18°41          | 22°52          | 6°22          | 17°55          | 26°52  | 21°17           | 20°38           | 16° 8          | 17°44          | T 25 |
| F 26 | 10 21 42 | 6°59'18          | 15° 2          | 16°29          | 21°56           | 24°38  | 18°53          | 23° 0          | 6°24          | 17°53          | 26°51  | 21° 4           | 20°35           | 16°15          | 17°44          | F 26 |
| S 27 | 10 25 38 | 7°59'33          | 27°41          | 17°59          | 22°44           | 25° 1  | 19° 4          | 23° 7          | 6°27          | 17°52          | 26°50  | 20°51           | 20°31           | 16°22          | 17°44          | S 27 |
| S 28 | 10 29 35 | 8 <b>¥</b> 59'47 | 10 <b>♀</b> 6  | 19≈31          | 23 <b>Y</b> 30  | 25M25  | 19 <b>궁</b> 16 | 23 <b>)</b> 14 | 6 <b>8</b> 29 | 17 <b>m</b> 50 | 26950  | 20 <b>×</b> 39  | 20 <b>∡</b> 128 | 16 <b>M</b> 28 | 17 <b>Ⅱ</b> 45 | S 28 |

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| Day  | Sid.t    | 0                | D               | ğ              | Ŷ              | ð              | 4              | ħ              | )Å(           | ¥               | Р      | ß              | v              | ţ              | , o            | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|----------------|----------------|---------------|-----------------|--------|----------------|----------------|----------------|----------------|------|
| M 1  | 10 33 31 | 10 <b>米</b> 0'00 | 22 <b>⊆</b> 17  | 21≈ 3          | 24 <b>Υ</b> 15 | 25 <b>M</b> 48 | 19 <b>る</b> 27 | 23 <b>米</b> 21 | 6 <b>8</b> 31 | 17°R48          | 26°R49 | 20°R28         | 20 <b>×</b> 25 | 16 <b>M</b> 35 | 17 <b>Ⅱ</b> 45 | M 1  |
| T 2  | 10 37 28 | 11° 0'11         | 4 <b>M</b> J18  | 22°37          | 25° 0          | 26°10          | 19°38          | 23°29          | 6°33          | 17 <b>m</b> )47 | 269548 | 20 <b>×</b> 21 | 20°22          | 16°42          | 17°45          | T 2  |
| W 3  | 10 41 24 | 12° 0'20         | 16°10           | 24°12          | 25°43          | 26°33          | 19°49          | 23°36          | 6°36          | 17°45           | 26°47  | 20°16          | 20°19          | 16°48          | 17°46          | W 3  |
| T 4  | 10 45 21 | 13° 0'28         | 27°58           | 25°47          | 26°26          | 26°55          | 20° 0          | 23°43          | 6°38          | 17°43           | 26°46  | 20°13          | 20°16          | 16°55          | 17°47          | T 4  |
| F 5  | 10 49 17 | 14° 0'34         | 9 <b>∡</b> 748  | 27°24          | 27° 7          | 27°16          | 20°11          | 23°51          | 6°40          | 17°42           | 26°45  | 20°12          | 20°12          | 17° 2          | 17°48          | F 5  |
| S 6  | 10 53 14 | 15° 0'39         | 21°44           | 29° 2          | 27°47          | 27°38          | 20°21          | 23°58          | 6°43          | 17°40           | 26°44  | 20°12          | 20° 9          | 17° 8          | 17°48          | S 6  |
| S 7  | 10 57 10 | 16° 0'42         | 3 <b>ප</b> 53   | 0 <b>)</b> €41 | 28°26          | 27°59          | 20°32          | 24° 6          | 6°45          | 17°38           | 26°43  | 20°12          | 20° 6          | 17°15          | 17°49          | S 7  |
| M 8  | 11 1 7   | 17° 0'44         | 16°20           | 2°21           | 29° 4          | 28°20          | 20°42          | 24°13          | 6°48          | 17°37           | 26°43  | 20°10          | 20° 3          | 17°22          | 17°50          | M 8  |
| T 9  | 11 5 4   | 18° 0'43         | 29° 8           | 4° 2           | 29°40          | 28°40          | 20°53          | 24°20          | 6°50          | 17°35           | 26°42  | 20° 5          | 20° 0          | 17°28          | 17°51          | T 9  |
| W10  | 11 9 0   | 19° 0'41         | 12≈22           | 5°45           | 0 <b>8</b> 15  | 29° 0          | 21° 3          | 24°28          | 6°53          | 17°33           | 26°41  | 19°58          | 19°57          | 17°35          | 17°52          | W10  |
| T 11 | 11 12 57 | 20° 0'38         | 26° 2           | 7°28           | 0°49           | 29°19          | 21°13          | 24°35          | 6°55          | 17°32           | 26°40  | 19°49          | 19°53          | 17°42          | 17°54          | T 11 |
| F 12 | 11 16 53 | 21° 0'32         | 10 <b>∺</b> 7   | 9°13           | 1°21           | 29°39          | 21°24          | 24°43          | 6°58          | 17°30           | 26°40  | 19°37          | 19°50          | 17°48          | 17°55          | F 12 |
| S 13 | 11 20 50 | 22° 0'25         | 24°32           | 10°58          | 1°52           | 29°57          | 21°34          | 24°50          | 7° 0          | 17°28           | 26°39  | 19°25          | 19°47          | 17°55          | 17°56          | S 13 |
| S 14 | 11 24 46 | 23° 0'15         | 9 <b>Ƴ</b> 11   | 12°45          | 2°21           | 0 <b>₮</b> 16  | 21°43          | 24°57          | 7° 3          | 17°27           | 26°38  | 19°13          | 19°44          | 18° 2          | 17°58          | S 14 |
| M15  | 11 28 43 | 24° 0'04         | 23°55           | 14°34          | 2°49           | 0°34           | 21°53          | 25° 5          | 7° 6          | 17°25           | 26°38  | 19° 3          | 19°41          | 18° 8          | 17°59          | M15  |
| T 16 | 11 32 39 | 24°59'50         | 8 <b>8</b> 38   | 16°23          | 3°15           | 0°51           | 22° 3          | 25°12          | 7° 9          | 17°23           | 26°37  | 18°56          | 19°37          | 18°15          | 18° 1          | T 16 |
| W17  | 11 36 36 | 25°59'34         | 23°12           | 18°14          | 3°39           | 1°8            | 22°12          | 25°20          | 7°11          | 17°22           | 26°37  | 18°52          | 19°34          | 18°22          | 18° 3          | W17  |
| T 18 | 11 40 33 | 26°59'16         | 7 <b>Ⅲ</b> 33   | 20° 5          | 4° 1           | 1°25           | 22°22          | 25°27          | 7°14          | 17°20           | 26°36  | 18°50          | 19°31          | 18°28          | 18° 4          | T 18 |
| F 19 | 11 44 29 | 27°58'56         | 21°39           | 21°58          | 4°21           | 1°41           | 22°31          | 25°35          | 7°17          | 17°18           | 26°35  | 18°50          | 19°28          | 18°35          | 18° 6          | F 19 |
| S 20 | 11 48 26 | 28°58'33         | 5930            | 23°52          | 4°40           | 1°57           | 22°40          | 25°42          | 7°20          | 17°17           | 26°35  | 18°50          | 19°25          | 18°42          | 18° 8          | S 20 |
| S 21 | 11 52 22 | 29°58'08         | 19° 5           | 25°48          | 4°56           | 2°12           | 22°50          | 25°49          | 7°23          | 17°15           | 26°34  | 18°49          | 19°22          | 18°48          | 18°10          | S 21 |
| M22  | 11 56 19 | 0 <b>Ƴ</b> 57'41 | $2\Omega_{26}$  | 27°44          | 5°11           | 2°27           | 22°58          | 25°57          | 7°26          | 17°14           | 26°34  | 18°45          | 19°18          | 18°55          | 18°12          | M22  |
| T 23 | 12 0 15  | 1°57'11          | 15°35           | 29°42          | 5°23           | 2°42           | 23° 7          | 26° 4          | 7°29          | 17°12           | 26°34  | 18°39          | 19°15          | 19° 2          | 18°14          | T 23 |
| W24  | 12 4 12  | 2°56'39          | 28°32           | 1 <b>Y</b> 41  | 5°33           | 2°56           | 23°16          | 26°12          | 7°32          | 17°10           | 26°33  | 18°30          | 19°12          | 19°8           | 18°17          | W24  |
| T 25 | 12 8 8   | 3°56'05          | 11 <b>m</b> )18 | 3°40           | 5°41           | 3° 9           | 23°25          | 26°19          | 7°34          | 17° 9           | 26°33  | 18°19          | 19° 9          | 19°15          | 18°19          | T 25 |
| F 26 | 12 12 5  | 4°55'29          | 23°53           | 5°41           | 5°46           | 3°22           | 23°33          | 26°26          | 7°38          | 17° 7           | 26°32  | 18° 6          | 19° 6          | 19°22          | 18°21          | F 26 |
| S 27 | 12 16 2  | 5°54'50          | 6 <b>₽</b> 17   | 7°42           | 5°49           | 3°34           | 23°41          | 26°34          | 7°41          | 17° 6           | 26°32  | 17°53          | 19° 2          | 19°28          | 18°24          | S 27 |
| S 28 | 12 19 58 | 6°54'10          | 18°31           | 9°44           | 5°R50          | 3°46           | 23°50          | 26°41          | 7°44          | 17° 4           | 26°32  | 17°41          | 18°59          | 19°35          | 18°26          | S 28 |
| M29  | 12 23 55 | 7°53'27          | 0 <b>M</b> .35  | 11°47          | 5°48           | 3°57           | 23°58          | 26°49          | 7°47          | 17° 3           | 26°31  | 17°31          | 18°56          | 19°42          | 18°29          | M29  |
| T 30 | 12 27 51 | 8°52'43          | 12°30           | 13°50          | 5°44           | 4° 8           | 2 <u>4</u> ° 6 | 26°56          | 7°50          | 17° 1           | 26°31  | 17°23          | 18°53          | 19°48          | 18°31          | T 30 |
| W31  | 12 31 48 | 9 <b>Ƴ</b> 51'57 | 24M20           | 15 <b>Ƴ</b> 53 | 5 <b>8</b> 37  | 4 <b>₹</b> 18  | 24 <b>궁</b> 13 | 27 <b>∺</b> 3  | 7 <b>8</b> 53 | 17 <b>m</b> ) 0 | 26931  | 17 <b>√</b> 18 | 18 <b>才</b> 50 | 19 <b>M</b> 55 | 18 <b>Ⅱ</b> 34 | W31  |

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| Day  | Sid.t    | 0                 | D              | ğ              | ·              | ď             | 4               | ħ               | )f(           | ħ              | В      | u              | v               | Ç               | ę,             | Day  |
|------|----------|-------------------|----------------|----------------|----------------|---------------|-----------------|-----------------|---------------|----------------|--------|----------------|-----------------|-----------------|----------------|------|
| T 1  | 12 35 44 | 10 <b>Υ</b> 51'09 | 6 <b>√</b> 7   | 17 <b>Y</b> 56 | 5°R28          | 4 <b>₹</b> 27 | 24 <b>궁</b> 21  | 27 <b>)</b> (11 | 7 <b>8</b> 56 | 16°R58         | 26°R31 | 17°R15         | 18 <b>∡</b> 747 | 20M 2           | 18 <b>Ⅲ</b> 37 | T 1  |
| F 2  | 12 39 41 | 11°50'19          | 17°56          | 19°59          | 5 <b>8</b> 17  | 4°36          | 24°29           | 27°18           | 7°59          | 16 <b>M</b> 57 | 26930  | 17°D14         | 18°43           | 20° 8           | 18°39          | F 2  |
| S 3  | 12 43 37 | 12°49'27          | 29°52          | 22° 1          | 5° 3           | 4°44          | 24°36           | 27°25           | 8° 2          | 16°55          | 26°30  | 17 <b>₹</b> 15 | 18°40           | 20°15           | 18°42          | S 3  |
| S 4  | 12 47 34 | 13°48'34          | 11 <b>る</b> 59 | 24° 1          | 4°46           | 4°52          | 24°43           | 27°32           | 8° 6          | 16°54          | 26°30  | 17°R15         | 18°37           | 20°22           | 18°45          | S 4  |
| M 5  | 12 51 31 | 14°47'38          | 24°23          | 26° 1          | 4°27           | 4°59          | 24°50           | 27°40           | 8° 9          | 16°52          | 26°30  | 17°15          | 18°34           | 20°28           | 18°48          | M 5  |
| T 6  | 12 55 27 | 15°46'41          | 7≈ 9           | 27°59          | 4° 6           | 5° 6          | 24°57           | 27°47           | 8°12          | 16°51          | 26°30  | 17°13          | 18°31           | 20°35           | 18°51          | T 6  |
| W 7  | 12 59 24 | 16°45'42          | 20°22          | 29°54          | 3°43           | 5°11          | 25° 4           | 27°54           | 8°15          | 16°49          | 26°30  | 17° 8          | 18°28           | 20°42           | 18°54          | W 7  |
| T 8  | 13 3 20  | 17°44'42          | 4 <b>)</b> 3   | 1848           | 3°17           | 5°16          | 25°11           | 28° 1           | 8°19          | 16°48          | 26°30  | 17° 1          | 18°24           | 20°48           | 18°58          | T 8  |
| F 9  | 13 7 17  | 18°43'39          | 18°12          | 3°38           | 2°50           | 5°21          | 25°17           | 28° 8           | 8°22          | 16°47          | 26°30  | 16°53          | 18°21           | 20°55           | 19° 1          | F 9  |
| S 10 | 13 11 13 | 19°42'35          | 2 <b>Ƴ</b> 47  | 5°25           | 2°20           | 5°24          | 25°24           | 28°15           | 8°25          | 16°45          | 26°D30 | 16°44          | 18°18           | 21° 2           | 19° 4          | S 10 |
| S 11 | 13 15 10 | 20°41'29          | 17°40          | 7° 9           | 1°49           | 5°27          | 25°30           | 28°22           | 8°29          | 16°44          | 26°30  | 16°35          | 18°15           | 21° 8           | 19° 8          | S 11 |
| M12  | 13 19 6  | 21°40'20          | 2 <b>8</b> 44  | 8°49           | 1°16           | 5°30          | 25°36           | 28°30           | 8°32          | 16°43          | 26°30  | 16°28          | 18°12           | 21°15           | 19°11          | M12  |
| T 13 | 13 23 3  | 22°39'10          | 17°48          | 10°24          | 0°42           | 5°31          | 25°42           | 28°37           | 8°35          | 16°41          | 26°30  | 16°23          | 18° 8           | 21°22           | 19°14          | T 13 |
| W14  | 13 26 59 | 23°37'58          | 2∏44           | 11°56          | 0° 6           | 5°32          | 25°47           | 28°44           | 8°39          | 16°40          | 26°30  | 16°20          | 18° 5           | 21°28           | 19°18          | W14  |
| T 15 | 13 30 56 | 24°36'43          | 17°25          | 13°23          | 29 <b>Y</b> 30 | 5°R32         | 25°53           | 28°51           | 8°42          | 16°39          | 26°30  | 16°D19         | 18° 2           | 21°35           | 19°22          | T 15 |
| F 16 | 13 34 53 | 25°35'27          | 19545          | 14°45          | 28°53          | 5°31          | 25°58           | 28°57           | 8°45          | 16°38          | 26°30  | 16°20          | 17°59           | 21°42           | 19°25          | F 16 |
| S 17 | 13 38 49 | 26°34'08          | 15°43          | 16° 2          | 28°16          | 5°30          | 26° 4           | 29° 4           | 8°49          | 16°36          | 26°30  | 16°21          | 17°56           | 21°48           | 19°29          | S 17 |
| S 18 | 13 42 46 | 27°32'46          | 29°20          | 17°14          | 27°38          | 5°28          | 26° 9           | 29°11           | 8°52          | 16°35          | 26°31  | 16°R21         | 17°53           | 21°55           | 19°33          | S 18 |
| M19  | 13 46 42 | 28°31'23          | 12 <b>Ω</b> 37 | 18°20          | 27° 0          | 5°25          | 26°14           | 29°18           | 8°56          | 16°34          | 26°31  | 16°20          | 17°49           | 22° 2           | 19°37          | M19  |
| T 20 | 13 50 39 | 29°29'57          | 25°36          | 19°22          | 26°22          | 5°21          | 26°18           | 29°25           | 8°59          | 16°33          | 26°31  | 16°17          | 17°46           | 22° 8           | 19°40          | T 20 |
| W21  | 13 54 35 | 0828'29           | 8 <b>m</b> )19 | 20°18          | 25°45          | 5°17          | 26°23           | 29°32           | 9° 2          | 16°32          | 26°31  | 16°12          | 17°43           | 22°15           | 19°44          | W21  |
| T 22 | 13 58 32 | 1°26'59           | 20°49          | 21° 8          | 25° 9          | 5°12          | 26°27           | 29°38           | 9° 6          | 16°31          | 26°32  | 16° 5          | 17°40           | 22°21           | 19°48          | T 22 |
| F 23 | 14 2 28  | 2°25'27           | 3 <b>₾</b> 9   | 21°53          | 24°33          | 5° 6          | 26°32           | 29°45           | 9° 9          | 16°30          | 26°32  | 15°58          | 17°37           | 22°28           | 19°52          | F 23 |
| S 24 | 14 6 25  | 3°23'52           | 15°18          | 22°32          | 23°59          | 4°59          | 26°36           | 29°52           | 9°13          | 16°29          | 26°32  | 15°50          | 17°34           | 22°35           | 19°56          | S 24 |
| S 25 | 14 10 22 | 4°22'16           | 27°20          | 23° 5          | 23°26          | 4°52          | 26°39           | 29°58           | 9°16          | 16°28          | 26°33  | 15°42          | 17°30           | 22°41           | 20° 1          | S 25 |
| M26  | 14 14 18 | 5°20'38           | 9 <b>M</b> J16 | 23°33          | 22°55          | 4°44          | 26°43           | 0 <b>Υ</b> 5    | 9°20          | 16°27          | 26°33  | 15°36          | 17°27           | 22°48           | 20° 5          | M26  |
| T 27 | 14 18 15 | 6°18'58           | 21° 6          | 23°54          | 22°26          | 4°35          | 26°47           | 0°11            | 9°23          | 16°26          | 26°34  | 15°31          | 17°24           | 22°55           | 20° 9          | T 27 |
| W28  | 14 22 11 | 7°17'17           | 2 <b>₹</b> 55  | 24°11          | 21°58          | 4°25          | 26°50           | 0°18            | 9°27          | 16°25          | 26°34  | 15°29          | 17°21           | 23° 1           | 20°13          | W28  |
| T 29 | 14 26 8  | 8°15'34           | 14°42          | 24°21          | 21°33          | 4°14          | 26°53           | 0°24            | 9°30          | 16°24          | 26°34  | 15°D28         | 17°18           | 23° 8           | 20°17          | T 29 |
| F 30 | 14 30 4  | 9 <b>8</b> 13'49  | 26 <b>×</b> 33 | 24°R26         | 21 <b>Υ</b> 10 | 4 <b>₹</b> 3  | 26 <b>පි</b> 56 | 0 <b>Υ</b> 31   | 9 <b>8</b> 34 | 16 <b>m</b> 23 | 26935  | 15 <b>₹</b> 28 | 17 <b>×</b> 14  | 23 <b>IL</b> 15 | 20耳22          | F 30 |

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| Day  | Sid.t    | 0                | D               | ğ              | φ              | ♂               | 4              | ħ             | )f(            | ¥               | Р      | v              | Ω               | Ç              | ę,              | Day  |
|------|----------|------------------|-----------------|----------------|----------------|-----------------|----------------|---------------|----------------|-----------------|--------|----------------|-----------------|----------------|-----------------|------|
| S 1  | 14 34 1  | 10812'02         | 8 <b>ප</b> 31   | 24°R26         | 20°R48         | 3°R51           | 26 <b>궁</b> 59 | 0 <b>Υ</b> 37 | 9 <b>8</b> 37  | 16°R22          | 26936  | 15 <b>×</b> 30 | 17 <b>×</b> 711 | 23 <b>M</b> 21 | 20П26           | S 1  |
| S 2  | 14 37 57 | 11°10'15         | 20°39           | 24820          | 20 <b>Y</b> 30 | 3 <b>∡</b> 39   | 27° 2          | 0°43          | 9°40           | 16 <b>m</b> 21  | 26°36  | 15°31          | 17° 8           | 23°28          | 20°31           | S 2  |
| M 3  | 14 41 54 | 12° 8'25         | 3≈ 3            | 24° 9          | 20°13          | 3°26            | 27° 4          | 0°49          | 9°44           | 16°20           | 26°37  | 15°33          | 17° 5           | 23°35          | 20°35           | M 3  |
| T 4  | 14 45 51 | 13° 6'34         | 15°47           | 23°54          | 19°59          | 3°12            | 27° 6          | 0°56          | 9°47           | 16°20           | 26°37  | 15°R33         | 17° 2           | 23°41          | 20°40           | T 4  |
| W 5  | 14 49 47 | 14° 4'42         | 28°55           | 23°34          | 19°48          | 2°57            | 27° 8          | 1° 2          | 9°51           | 16°19           | 26°38  | 15°32          | 16°59           | 23°48          | 20°44           | W 5  |
| T 6  | 14 53 44 | 15° 2'48         | 12 <b>)</b> 30  | 23°11          | 19°39          | 2°42            | 27°10          | 1° 8          | 9°54           | 16°18           | 26°39  | 15°30          | 16°55           | 23°55          | 20°49           | T 6  |
| F 7  | 14 57 40 | 16° 0'53         | 26°33           | 22°44          | 19°32          | 2°26            | 27°12          | 1°14          | 9°58           | 16°18           | 26°39  | 15°27          | 16°52           | 24° 1          | 20°53           | F 7  |
| S 8  | 15 1 37  | 16°58'56         | 11 <b>°</b> 2   | 22°13          | 19°28          | 2° 9            | 27°14          | 1°20          | 10° 1          | 16°17           | 26°40  | 15°23          | 16°49           | 24° 8          | 20°58           | S 8  |
| S 9  | 15 5 33  | 17°56'58         | 25°54           | 21°41          | 19°D26         | 1°52            | 27°15          | 1°26          | 10° 5          | 16°16           | 26°41  | 15°19          | 16°46           | 24°15          | 21° 3           | S 9  |
| M10  | 15 9 30  | 18°54'59         | 118 2           | 21° 7          | 19°27          | 1°34            | 27°16          | 1°31          | 10° 8          | 16°16           | 26°41  | 15°15          | 16°43           | 24°21          | 21° 7           | M10  |
| T 11 | 15 13 26 | 19°52'58         | 26°15           | 20°31          | 19°30          | 1°16            | 27°17          | 1°37          | 10°11          | 16°15           | 26°42  | 15°13          | 16°39           | 24°28          | 21°12           | T 11 |
| W12  | 15 17 23 | 20°50'56         | 11 <b>Ⅱ</b> 23  | 19°55          | 19°35          | 0°57            | 27°18          | 1°43          | 10°15          | 16°15           | 26°43  | 15°D12         | 16°36           | 24°35          | 21°17           | W12  |
| T 13 | 15 21 20 | 21°48'52         | 26°19           | 19°19          | 19°42          | 0°38            | 27°18          | 1°49          | 10°18          | 16°14           | 26°44  | 15°13          | 16°33           | 24°41          | 21°22           | T 13 |
| F 14 | 15 25 16 | 22°46'46         | 10955           | 18°44          | 19°52          | 0°19            | 27°19          | 1°54          | 10°22          | 16°14           | 26°45  | 15°14          | 16°30           | 24°48          | 21°27           | F 14 |
| S 15 | 15 29 13 | 23°44'38         | 25° 6           | 18°10          | 20° 4          | 29 <b>TL</b> 59 | 27°19          | 2° 0          | 10°25          | 16°13           | 26°45  | 15°15          | 16°27           | 24°55          | 21°32           | S 15 |
| S 16 | 15 33 9  | 24°42'29         | 8 <b>Ω</b> 52   | 17°37          | 20°17          | 29°39           | 27°R19         | 2° 5          | 10°28          | 16°13           | 26°46  | 15°16          | 16°24           | 25° 1          | 21°37           | S 16 |
| M17  | 15 37 6  | 25°40'18         | 22°13           | 17° 8          | 20°33          | 29°18           | 27°19          | 2°11          | 10°32          | 16°12           | 26°47  | 15°R17         | 16°20           | 25° 8          | 21°42           | M17  |
| T 18 | 15 41 2  | 26°38'05         | 5 <b>m</b> 12   | 16°41          | 20°51          | 28°58           | 27°18          | 2°16          | 10°35          | 16°12           | 26°48  | 15°17          | 16°17           | 25°15          | 21°46           | T 18 |
| W19  | 15 44 59 | 27°35'50         | 17°50           | 16°17          | 21°10          | 28°37           | 27°18          | 2°21          | 10°39          | 16°12           | 26°49  | 15°16          | 16°14           | 25°21          | 21°51           | W19  |
| T 20 | 15 48 55 | 28°33'34         | 0 <b>₾</b> 13   | 15°57          | 21°31          | 28°16           | 27°17          | 2°27          | 10°42          | 16°12           | 26°50  | 15°14          | 16°11           | 25°28          | 21°57           | T 20 |
| F 21 | 15 52 52 | 29°31'16         | 12°23           | 15°41          | 21°54          | 27°55           | 27°16          | 2°32          | 10°45          | 16°11           | 26°51  | 15°12          | 16° 8           | 25°35          | 22° 2           | F 21 |
| S 22 | 15 56 49 | 0 <b>Ⅱ</b> 28'57 | 24°23           | 15°29          | 22°19          | 27°34           | 27°15          | 2°37          | 10°49          | 16°11           | 26°52  | 15° 9          | 16° 5           | 25°41          | 22° 7           | S 22 |
| S 23 | 16 0 45  | 1°26'36          | 6 <b>M</b> 17   | 15°21          | 22°45          | 27°12           | 27°14          | 2°42          | 10°52          | 16°11           | 26°53  | 15° 7          | 16° 1           | 25°48          | 22°12           | S 23 |
| M24  | 16 4 42  | 2°24'14          | 18° 7           | 15°D17         | 23°13          | 26°51           | 27°12          | 2°47          | 10°55          | 16°11           | 26°54  | 15° 6          | 15°58           | 25°54          | 22°17           | M24  |
| T 25 | 16 8 38  | 3°21'51          | 29°55           | 15°19          | 23°43          | 26°30           | 27°11          | 2°52          | 10°58          | 16°11           | 26°55  | 15° 5          | 15°55           | 26° 1          | 22°22           | T 25 |
| W26  | 16 12 35 | 4°19'27          | 11 <b>~</b> 144 | 15°24          | 24°13          | 26° 9           | 27° 9          | 2°57          | 11° 2          | 16°11           | 26°56  | 15°D 4         | 15°52           | 26° 8          | 22°27           | W26  |
| T 27 | 16 16 31 | 5°17'01          | 23°36           | 15°34          | 24°46          | 25°48           | 27° 7          | 3° 1          | 11° 5          | 16°11           | 26°57  | 15° 4          | 15°49           | 26°14          | 22°32           | T 27 |
| F 28 | 16 20 28 | 6°14'34          | 5 <b>云</b> 33   | 15°49          | 25°19          | 25°28           | 27° 4          | 3° 6          | 11°8           | 16°D11          | 26°58  | 15° 5          | 15°45           | 26°21          | 22°38           | F 28 |
| S 29 | 16 24 24 | 7°12'07          | 17°38           | 16° 8          | 25°54          | 25° 7           | 27° 2          | 3°11          | 11°11          | 16°11           | 26°59  | 15° 6          | 15°42           | 26°28          | 22°43           | S 29 |
| S 30 | 16 28 21 | 8° 9'38          | 29°53           | 16°31          | 26°30          | 24°47           | 26°59          | 3°15          | 11°14          | 16°11           | 27° 1  | 15° 6          | 15°39           | 26°34          | 22°48           | S 30 |
| M31  | 16 32 18 | 9耳 7'08          | 12≈23           | 16 <b>8</b> 59 | 27 <b>Y</b> 8  | 24 <b>M</b> 28  | 26 <b>궁</b> 57 | <b>3</b> Υ20  | 11 <b>8</b> 18 | 16 <b>m</b> )11 | 2795 2 | 15 <b>⋌</b> 7  | 15 <b>₹</b> 36  | 26 <b>M</b> 41 | 22 <b>II</b> 53 | M31  |

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| Day  | Sid.t    | 0                  | D               | ğ              | φ              | ♂               | 4              | ħ             | )f(            | ħ               | В      | v              | v               | Ç            | ę,              | Day  |
|------|----------|--------------------|-----------------|----------------|----------------|-----------------|----------------|---------------|----------------|-----------------|--------|----------------|-----------------|--------------|-----------------|------|
| T 1  | 16 36 14 | 10 <b>I</b> I 4'38 | 25≈ 9           | 17 <b>8</b> 31 | 27 <b>Y</b> 46 | 24°R 8          | 26°R54         | 3 <b>Υ</b> 24 | 11821          | 16 <b>M</b> )11 | 2795 3 | 15 <b>√</b> 7  | 15 <b>х</b> 33  | 26M48        | 22 <b>II</b> 59 | T 1  |
| W 2  | 16 40 11 | 11° 2'07           | 8 <b>) (</b> 15 | 18° 7          | 28°26          | 23M49           | 26 <b>ප</b> 51 | 3°28          | 11°24          | 16°11           | 27° 4  | 15°R 8         | 15°30           | 26°54        | 23° 4           | W 2  |
| T 3  | 16 44 7  | 11°59'35           | 21°44           | 18°47          | 29° 6          | 23°31           | 26°47          | 3°32          | 11°27          | 16°11           | 27° 5  | 15° 8          | 15°26           | 27° 1        | 23° 9           | T 3  |
| F 4  | 16 48 4  | 12°57'02           | 5 <b>Ƴ</b> 37   | 19°31          | 29°48          | 23°13           | 26°44          | 3°36          | 11°30          | 16°11           | 27° 7  | 15° 7          | 15°23           | 27° 8        | 23°15           | F 4  |
| S 5  | 16 52 0  | 13°54'29           | 19°54           | 20°18          | 0 <b>8</b> 31  | 22°55           | 26°40          | 3°41          | 11°33          | 16°12           | 27° 8  | 15° 7          | 15°20           | 27°14        | 23°20           | S 5  |
| S 6  | 16 55 57 | 14°51'55           | 4 <b>8</b> 33   | 21°10          | 1°15           | 22°38           | 26°36          | 3°44          | 11°36          | 16°12           | 27° 9  | 15°D 7         | 15°17           | 27°21        | 23°25           | S 6  |
| M 7  | 16 59 53 | 15°49'20           | 19°28           | 22° 5          | 1°59           | 22°22           | 26°32          | 3°48          | 11°39          | 16°12           | 27°10  | 15° 7          | 15°14           | 27°28        | 23°31           | M 7  |
| T 8  | 17 3 50  | 16°46'45           | 4 <b>Ⅱ</b> 34   | 23° 3          | 2°45           | 22° 6           | 26°28          | 3°52          | 11°42          | 16°13           | 27°12  | 15° 7          | 15°11           | 27°34        | 23°36           | T 8  |
| W 9  | 17 7 47  | 17°44'09           | 19°40           | 24° 5          | 3°31           | 21°51           | 26°24          | 3°56          | 11°45          | 16°13           | 27°13  | 15°R 7         | 15° 7           | 27°41        | 23°41           | W 9  |
| T 10 | 17 11 43 | 18°41'33           | 4939            | 25°11          | 4°18           | 21°37           | 26°19          | 3°59          | 11°48          | 16°13           | 27°14  | 15° 7          | 15° 4           | 27°48        | 23°47           | T 10 |
| F 11 | 17 15 40 | 19°38'55           | 19°22           | 26°19          | 5° 6           | 21°23           | 26°14          | 4° 3          | 11°51          | 16°14           | 27°16  | 15° 7          | 15° 1           | 27°54        | 23°52           | F 11 |
| S 12 | 17 19 36 | 20°36'17           | 3 <b>Ω</b> 42   | 27°31          | 5°54           | 21°10           | 26°10          | 4° 6          | 11°54          | 16°14           | 27°17  | 15° 6          | 14°58           | 28° 1        | 23°58           | S 12 |
| S 13 | 17 23 33 | 21°33'37           | 17°37           | 28°47          | 6°43           | 20°58           | 26° 5          | 4°10          | 11°57          | 16°15           | 27°18  | 15° 6          | 14°55           | 28° 8        | 24° 3           | S 13 |
| M14  | 17 27 29 | 22°30'57           | 1MD 6           | 0耳 5           | 7°33           | 20°46           | 26° 0          | 4°13          | 12° 0          | 16°15           | 27°20  | 15° 5          | 14°51           | 28°14        | 24° 8           | M14  |
| T 15 | 17 31 26 | 23°28'15           | 14° 9           | 1°27           | 8°24           | 20°36           | 25°54          | 4°16          | 12° 2          | 16°16           | 27°21  | 15° 5          | 14°48           | 28°21        | 24°14           | T 15 |
| W16  | 17 35 23 | 24°25'33           | 26°49           | 2°51           | 9°15           | 20°26           | 25°49          | 4°19          | 12° 5          | 16°16           | 27°23  | 15°D 4         | 14°45           | 28°28        | 24°19           | W16  |
| T 17 | 17 39 19 | 25°22'50           | 9 <b>≏</b> 10   | 4°19           | 10° 7          | 20°17           | 25°43          | 4°22          | 12° 8          | 16°17           | 27°24  | 15° 5          | 14°42           | 28°34        | 24°25           | T 17 |
| F 18 | 17 43 16 | 26°20'06           | 21°17           | 5°50           | 10°59          | 20° 9           | 25°38          | 4°25          | 12°11          | 16°18           | 27°26  | 15° 5          | 14°39           | 28°41        | 24°30           | F 18 |
| S 19 | 17 47 12 | 27°17'21           | 3 <b>M</b> .13  | 7°24           | 11°52          | 20° 1           | 25°32          | 4°28          | 12°13          | 16°18           | 27°27  | 15° 7          | 14°36           | 28°47        | 24°35           | S 19 |
| S 20 | 17 51 9  | 28°14'36           | 15° 3           | 9° 1           | 12°46          | 19°55           | 25°26          | 4°31          | 12°16          | 16°19           | 27°28  | 15° 8          | 14°32           | 28°54        | 24°41           | S 20 |
| M21  | 17 55 5  | 29°11'50           | 26°51           | 10°41          | 13°40          | 19°49           | 25°20          | 4°34          | 12°18          | 16°20           | 27°30  | 15° 9          | 14°29           | 29° 1        | 24°46           | M21  |
| T 22 | 17 59 2  | 099 9'04           | 8 <b>₹</b> 39   | 12°24          | 14°35          | 19°44           | 25°14          | 4°36          | 12°21          | 16°21           | 27°31  | 15° 9          | 14°26           | 29° 7        | 24°52           | T 22 |
| W23  | 18 2 58  | 1° 6'17            | 20°32           | 14° 9          | 15°30          | 19°40           | 25° 7          | 4°39          | 12°24          | 16°21           | 27°33  | 15°R 9         | 14°23           | 29°14        | 24°57           | W23  |
| T 24 | 18 6 55  | 2° 3'30            | 2 <b>ප</b> 31   | 15°58          | 16°25          | 19°37           | 25° 1          | 4°41          | 12°26          | 16°22           | 27°34  | 15° 9          | 14°20           | 29°21        | 25° 2           | T 24 |
| F 25 | 18 10 52 | 3° 0'42            | 14°39           | 17°49          | 17°22          | 19°34           | 24°54          | 4°43          | 12°29          | 16°23           | 27°36  | 15° 7          | 14°17           | 29°27        | 25° 8           | F 25 |
| S 26 | 18 14 48 | 3°57'54            | 26°57           | 19°43          | 18°18          | 19°33           | 24°48          | 4°45          | 12°31          | 16°24           | 27°37  | 15° 5          | 14°13           | 29°34        | 25°13           | S 26 |
| S 27 | 18 18 45 | 4°55'06            | 9 <b>≈</b> 26   | 21°39          | 19°15          | 19°D32          | 24°41          | 4°47          | 12°34          | 16°25           | 27°39  | 15° 2          | 14°10           | 29°41        | 25°19           | S 27 |
| M28  | 18 22 41 | 5°52'18            | 22° 9           | 23°38          | 20°12          | 19°32           | 24°34          | 4°49          | 12°36          | 16°26           | 27°41  | 14°59          | 14° 7           | 29°47        | 25°24           | M28  |
| T 29 | 18 26 38 | 6°49'30            | 5 <b>∀</b> 6    | 25°40          | 21°10          | 19°33           | 24°27          | 4°51          | 12°38          | 16°27           | 27°42  | 14°56          | 14° 4           | 29°54        | 25°29           | T 29 |
| W30  | 18 30 34 | 79546'41           | 18 <b>米</b> 18  | 27 <b>Ⅱ</b> 43 | 22 <b>8</b> 8  | 19 <b>M</b> .35 | 24중20          | <b>4</b> Υ53  | 12 <b>8</b> 41 | 16 <b>M</b> 28  | 279544 | 14 <b>才</b> 54 | 14 <b>×</b> 7 1 | 0 <b>√</b> 1 | 25 <b>Ⅱ</b> 35  | W30  |

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| Day  | Sid.t    | 0                | D              | ğ              | φ             | ð              | 4      | ħ             | ) <b>f</b> (   | ¥              | В      | N.              | ß               | Ç             | , o   | Day  |
|------|----------|------------------|----------------|----------------|---------------|----------------|--------|---------------|----------------|----------------|--------|-----------------|-----------------|---------------|-------|------|
| T 1  | 18 34 31 | 89643'53         | 1 <b>Y</b> 48  | 29∏48          | 23 <b>8</b> 7 | 19 <b>M</b> 37 | 24°R13 | 4 <b>Υ</b> 55 | 12843          | 16 <b>m</b> 29 | 279545 | 14°R53          | 13 <b>×</b> 757 | 0 <b>才</b> 7  | 25∏40 | T 1  |
| F 2  | 18 38 27 | 9°41'05          | 15°35          | 1954           | 24° 6         | 19°40          | 24궁 6  | 4°56          | 12°45          | 16°30          | 27°47  | 14°D53          | 13°54           | 0°14          | 25°45 | F 2  |
| S 3  | 18 42 24 | 10°38'18         | 29°40          | 4° 2           | 25° 5         | 19°44          | 23°58  | 4°58          | 12°47          | 16°31          | 27°48  | 14 <b>×7</b> 54 | 13°51           | 0°21          | 25°51 | S 3  |
| S 4  | 18 46 21 | 11°35'31         | 148 1          | 6°11           | 26° 5         | 19°49          | 23°51  | 4°59          | 12°49          | 16°32          | 27°50  | 14°55           | 13°48           | 0°27          | 25°56 | S 4  |
| M 5  | 18 50 17 | 12°32'44         | 28°37          | 8°21           | 27° 5         | 19°55          | 23°44  | 5° 0          | 12°52          | 16°34          | 27°52  | 14°56           | 13°45           | 0°34          | 26° 1 | M 5  |
| T 6  | 18 54 14 | 13°29'57         | 13 <b>Ⅱ</b> 23 | 10°31          | 28° 5         | 20° 1          | 23°36  | 5° 2          | 12°54          | 16°35          | 27°53  | 14°R57          | 13°42           | 0°41          | 26° 6 | T 6  |
| W 7  | 18 58 10 | 14°27'11         | 28°13          | 12°41          | 29° 6         | 20° 9          | 23°29  | 5° 3          | 12°56          | 16°36          | 27°55  | 14°57           | 13°38           | 0°47          | 26°12 | W 7  |
| T 8  | 19 2 7   | 15°24'24         | 1395 0         | 14°51          | 0 <b>Π</b> 7  | 20°16          | 23°21  | 5° 4          | 12°58          | 16°37          | 27°56  | 14°55           | 13°35           | 0°54          | 26°17 | T 8  |
| F 9  | 19 6 3   | 16°21'38         | 27°36          | 17° 1          | 1° 8          | 20°25          | 23°14  | 5° 5          | 13° 0          | 16°38          | 27°58  | 14°51           | 13°32           | 1° 0          | 26°22 | F 9  |
| S 10 | 19 10 0  | 17°18'52         | 11 <b>Ω</b> 55 | 19°10          | 2°10          | 20°35          | 23° 6  | 5° 5          | 13° 2          | 16°40          | 28° 0  | 14°47           | 13°29           | 1° 7          | 26°27 | S 10 |
| S 11 | 19 13 56 | 18°16'06         | 25°52          | 21°18          | 3°12          | 20°45          | 22°58  | 5° 6          | 13° 3          | 16°41          | 28° 1  | 14°42           | 13°26           | 1°14          | 26°33 | S 11 |
| M12  | 19 17 53 | 19°13'20         | 9 <b>m</b> 24  | 23°25          | 4°14          | 20°56          | 22°51  | 5° 7          | 13° 5          | 16°42          | 28° 3  | 14°37           | 13°23           | 1°20          | 26°38 | M12  |
| T 13 | 19 21 50 | 20°10'34         | 22°30          | 25°31          | 5°16          | 21° 7          | 22°43  | 5° 7          | 13° 7          | 16°44          | 28° 5  | 14°33           | 13°19           | 1°27          | 26°43 | T 13 |
| W14  | 19 25 46 | 21° 7'48         | 5 <b>₽</b> 13  | 27°36          | 6°19          | 21°19          | 22°35  | 5° 8          | 13° 9          | 16°45          | 28° 6  | 14°30           | 13°16           | 1°34          | 26°48 | W14  |
| T 15 | 19 29 43 | 22° 5'02         | 17°35          | 29°39          | 7°22          | 21°32          | 22°27  | 5° 8          | 13°11          | 16°47          | 28° 8  | 14°D29          | 13°13           | 1°40          | 26°53 | T 15 |
| F 16 | 19 33 39 | 23° 2'16         | 29°42          | 1 <b>Ω</b> 40  | 8°25          | 21°46          | 22°20  | 5° 8          | 13°12          | 16°48          | 28°10  | 14°29           | 13°10           | 1°47          | 26°58 | F 16 |
| S 17 | 19 37 36 | 23°59'30         | 11 <b>M</b> 37 | 3°40           | 9°28          | 22° 0          | 22°12  | 5°R 8         | 13°14          | 16°50          | 28°11  | 14°30           | 13° 7           | 1°54          | 27° 3 | S 17 |
| S 18 | 19 41 32 | 24°56'44         | 23°27          | 5°39           | 10°32         | 22°15          | 22° 4  | 5°8           | 13°15          | 16°51          | 28°13  | 14°32           | 13° 3           | 2° 0          | 27° 8 | S 18 |
| M19  | 19 45 29 | 25°53'59         | 5 <b>₹</b> 15  | 7°35           | 11°35         | 22°31          | 21°56  | 5° 8          | 13°17          | 16°53          | 28°14  | 14°33           | 13° 0           | 2° 7          | 27°13 | M19  |
| T 20 | 19 49 25 | 26°51'14         | 17° 6          | 9°30           | 12°39         | 22°47          | 21°49  | 5° 8          | 13°19          | 16°54          | 28°16  | 14°R33          | 12°57           | 2°14          | 27°18 | T 20 |
| W21  | 19 53 22 | 27°48'29         | 29° 5          | 11°23          | 13°44         | 23° 4          | 21°41  | 5° 7          | 13°20          | 16°56          | 28°18  | 14°32           | 12°54           | 2°20          | 27°23 | W21  |
| T 22 | 19 57 19 | 28°45'45         | 11 <b>る</b> 13 | 13°14          | 14°48         | 23°21          | 21°33  | 5° 7          | 13°21          | 16°57          | 28°19  | 14°29           | 12°51           | 2°27          | 27°28 | T 22 |
| F 23 | 20 1 15  | 29°43'01         | 23°34          | 15° 4          | 15°53         | 23°39          | 21°26  | 5° 6          | 13°23          | 16°59          | 28°21  | 14°24           | 12°48           | 2°34          | 27°33 | F 23 |
| S 24 | 20 5 12  | 0 <b>Ω</b> 40'18 | 6≈ 9           | 16°52          | 16°58         | 23°57          | 21°18  | 5° 6          | 13°24          | 17° 1          | 28°23  | 14°17           | 12°44           | 2°40          | 27°38 | S 24 |
| S 25 | 20 9 8   | 1°37'35          | 18°57          | 18°38          | 18° 3         | 24°16          | 21°11  | 5° 5          | 13°25          | 17° 2          | 28°24  | 14°10           | 12°41           | 2°47          | 27°43 | S 25 |
| M26  | 20 13 5  | 2°34'53          | 2 <b>)</b> 0   | 20°22          | 19°8          | 24°36          | 21° 3  | 5° 4          | 13°27          | 17° 4          | 28°26  | 14° 1           | 12°38           | 2°53          | 27°47 | M26  |
| T 27 | 20 17 1  | 3°32'12          | 15°16          | 22° 5          | 20°13         | 24°56          | 20°56  | 5° 3          | 13°28          | 17° 6          | 28°28  | 13°54           | 12°35           | 3° 0          | 27°52 | T 27 |
| W28  | 20 20 58 | 4°29'32          | 28°44          | 23°45          | 21°19         | 25°17          | 20°49  | 5° 2          | 13°29          | 17° 7          | 28°29  | 13°47           | 12°32           | 3° 7          | 27°57 | W28  |
| T 29 | 20 24 54 | 5°26'53          | 12 <b>Y</b> 23 | 25°24          | 22°25         | 25°38          | 20°41  | 5° 1          | 13°30          | 17° 9          | 28°31  | 13°43           | 12°29           | 3°13          | 28° 1 | T 29 |
| F 30 | 20 28 51 | 6°24'14          | 26°13          | 27° 2          | 23°31         | 25°59          | 20°34  | 5° 0          | 13°31          | 17°11          | 28°33  | 13°41           | 12°25           | 3°20          | 28° 6 | F 30 |
| S 31 | 20 32 48 | 7 <b>Ω</b> 21'37 | 10 <b>8</b> 13 | 28 <b>N</b> 37 | 24∏37         | 26M22          | 20중27  | 4 <b>Υ</b> 59 | 13 <b>8</b> 32 | 17 <b>m</b> 13 | 28934  | 13°D40          | 12 <b>×</b> 22  | 3 <b>∡</b> 27 | 28耳11 | S 31 |

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| Day  | Sid.t    | 0                  | D              | φ              | φ              | ♂               | 4              | ħ            | ᡟ              | ¥               | Р      | ß               | ಬ              | Ç             | ķ     | Day  |
|------|----------|--------------------|----------------|----------------|----------------|-----------------|----------------|--------------|----------------|-----------------|--------|-----------------|----------------|---------------|-------|------|
| S 1  | 20 36 44 | 8 <b>Ω</b> 19'02   | 24822          | 0 Mp 11        | 25 <b>Ⅱ</b> 43 | 26M44           | 20°R20         | 4°R57        | 13 <b>8</b> 33 | 17 <b>m</b> )15 | 28936  | 13 <b>×7</b> 41 | 12 <b>×</b> 19 | 3 <b>₹</b> 33 | 28耳15 | S 1  |
| M 2  | 20 40 41 | 9°16'27            | 8Ⅲ39           | 1°43           | 26°50          | 27° 7           | 20 <b>궁</b> 13 | <b>4Υ</b> 56 | 13°34          | 17°16           | 28°38  | 13°R42          | 12°16          | 3°40          | 28°20 | M 2  |
| T 3  | 20 44 37 | 10°13'54           | 23° 3          | 3°14           | 27°57          | 27°31           | 20° 6          | 4°54         | 13°35          | 17°18           | 28°39  | 13°42           | 12°13          | 3°47          | 28°24 | T 3  |
| W 4  | 20 48 34 | 11°11'21           | 79329          | 4°42           | 29° 4          | 27°55           | 19°59          | 4°52         | 13°35          | 17°20           | 28°41  | 13°39           | 12° 9          | 3°53          | 28°29 | W 4  |
| T 5  | 20 52 30 | 12° 8'50           | 21°53          | 6° 9           | 09୍ତୀ 1        | 28°19           | 19°53          | 4°50         | 13°36          | 17°22           | 28°42  | 13°35           | 12° 6          | 4° 0          | 28°33 | T 5  |
| F 6  | 20 56 27 | 13° 6'20           | 6 <b>Ω</b> 11  | 7°34           | 1°18           | 28°44           | 19°46          | 4°49         | 13°37          | 17°24           | 28°44  | 13°28           | 12° 3          | 4° 7          | 28°37 | F 6  |
| S 7  | 21 0 23  | 14° 3'51           | 20°15          | 8°58           | 2°25           | 29°10           | 19°40          | 4°47         | 13°38          | 17°26           | 28°46  | 13°19           | 12° 0          | 4°13          | 28°42 | S 7  |
| S 8  | 21 4 20  | 15° 1'23           | 4 Mp 3         | 10°19          | 3°32           | 29°36           | 19°33          | 4°44         | 13°38          | 17°28           | 28°47  | 13° 9           | 11°57          | 4°20          | 28°46 | S 8  |
| M 9  | 21 8 17  | 15°58'56           | 17°29          | 11°38          | 4°40           | 0 <b>√</b> 2    | 19°27          | 4°42         | 13°39          | 17°30           | 28°49  | 12°59           | 11°54          | 4°27          | 28°50 | M 9  |
| T 10 | 21 12 13 | 16°56'30           | ე <u>თ</u> 33  | 12°56          | 5°48           | 0°29            | 19°21          | 4°40         | 13°39          | 17°32           | 28°50  | 12°50           | 11°50          | 4°33          | 28°54 | T 10 |
| W11  | 21 16 10 | 17°54'04           | 13°15          | 14°12          | 6°56           | 0°56            | 19°15          | 4°38         | 13°40          | 17°34           | 28°52  | 12°43           | 11°47          | 4°40          | 28°59 | W11  |
| T 12 | 21 20 6  | 18°51'40           | 25°38          | 15°25          | 8° 4           | 1°23            | 19° 9          | 4°35         | 13°40          | 17°36           | 28°54  | 12°38           | 11°44          | 4°46          | 29° 3 | T 12 |
| F 13 | 21 24 3  | 19°49'17           | 7 <b>M</b> .44 | 16°37          | 9°12           | 1°51            | 19° 4          | 4°33         | 13°40          | 17°38           | 28°55  | 12°36           | 11°41          | 4°53          | 29° 7 | F 13 |
| S 14 | 21 27 59 | 20°46'54           | 19°40          | 17°46          | 10°20          | 2°19            | 18°58          | 4°30         | 13°41          | 17°40           | 28°57  | 12°D35          | 11°38          | 5° 0          | 29°11 | S 14 |
| S 15 | 21 31 56 | 21°44'33           | 1 <b>₹</b> 29  | 18°53          | 11°29          | 2°48            | 18°53          | 4°27         | 13°41          | 17°42           | 28°58  | 12°35           | 11°35          | 5° 6          | 29°15 | S 15 |
| M16  | 21 35 52 | 22°42'12           | 13°18          | 19°57          | 12°37          | 3°17            | 18°47          | 4°24         | 13°41          | 17°44           | 29° 0  | 12°R35          | 11°31          | 5°13          | 29°19 | M16  |
| T 17 | 21 39 49 | 23°39'53           | 25°11          | 21° 0          | 13°46          | 3°46            | 18°42          | 4°22         | 13°41          | 17°46           | 29° 1  | 12°35           | 11°28          | 5°20          | 29°22 | T 17 |
| W18  | 21 43 46 | 24°37'35           | 7 <b>云</b> 15  | 21°59          | 14°54          | 4°16            | 18°37          | 4°19         | 13°41          | 17°48           | 29° 3  | 12°32           | 11°25          | 5°26          | 29°26 | W18  |
| T 19 | 21 47 42 | 25°35'18           | 19°31          | 22°56          | 16° 3          | 4°46            | 18°32          | 4°16         | 13°41          | 17°50           | 29° 4  | 12°27           | 11°22          | 5°33          | 29°30 | T 19 |
| F 20 | 21 51 39 | 26°33'02           | 2≈ 4           | 23°50          | 17°12          | 5°16            | 18°28          | 4°12         | 13°R41         | 17°52           | 29° 6  | 12°19           | 11°19          | 5°40          | 29°34 | F 20 |
| S 21 | 21 55 35 | 27°30'47           | 14°55          | 24°41          | 18°22          | 5°47            | 18°23          | 4° 9         | 13°41          | 17°54           | 29° 7  | 12°10           | 11°15          | 5°46          | 29°37 | S 21 |
| S 22 | 21 59 32 | 28°28'34           | 28° 4          | 25°28          | 19°31          | 6°18            | 18°19          | 4° 6         | 13°41          | 17°56           | 29° 9  | 11°58           | 11°12          | 5°53          | 29°41 | S 22 |
| M23  | 22 3 28  | 29°26'22           | 11 <b>米</b> 30 | 26°13          | 20°40          | 6°49            | 18°15          | 4° 3         | 13°41          | 17°58           | 29°10  | 11°46           | 11° 9          | 6° 0          | 29°44 | M23  |
| T 24 | 22 7 25  | 0 <b>m</b> ) 24'11 | 25°11          | 26°53          | 21°50          | 7°21            | 18°11          | 3°59         | 13°41          | 18° 0           | 29°12  | 11°35           | 11° 6          | 6° 6          | 29°48 | T 24 |
| W25  | 22 11 21 | 1°22'02            | 9 <b>Υ</b> 2   | 27°30          | 22°59          | 7°53            | 18° 7          | 3°56         | 13°41          | 18° 3           | 29°13  | 11°25           | 11° 3          | 6°13          | 29°51 | W25  |
| T 26 | 22 15 18 | 2°19'55            | 23° 1          | 28° 3          | 24° 9          | 8°25            | 18° 3          | 3°52         | 13°40          | 18° 5           | 29°15  | 11°18           | 11° 0          | 6°19          | 29°54 | T 26 |
| F 27 | 22 19 15 | 3°17'50            | 7 <b>8</b> 4   | 28°32          | 25°19          | 8°58            | 18° 0          | 3°49         | 13°40          | 18° 7           | 29°16  | 11°14           | 10°56          | 6°26          | 29°58 | F 27 |
| S 28 | 22 23 11 | 4°15'46            | 21°10          | 28°56          | 26°29          | 9°30            | 17°57          | 3°45         | 13°40          | 18° 9           | 29°18  | 11°12           | 10°53          | 6°33          | 09 1  | S 28 |
| S 29 | 22 27 8  | 5°13'44            | 5 <b>Ⅱ</b> 17  | 29°15          | 27°39          | 10° 4           | 17°53          | 3°41         | 13°39          | 18°11           | 29°19  | 11°12           | 10°50          | 6°39          | 0° 4  | S 29 |
| M30  | 22 31 4  | 6°11'45            | 19°24          | 29°29          | 28°49          | 10°37           | 17°50          | 3°37         | 13°39          | 18°13           | 29°20  | 11°12           | 10°47          | 6°46          | 0° 7  | M30  |
| T 31 | 22 35 1  | 7 <b>m</b> ) 9'47  | 3929           | 29 <b>m</b> 38 | 29959          | 11 <b>,7</b> 11 | 17 <b>る</b> 48 | <b>3</b> Υ33 | 13 <b>8</b> 38 | 18 <b>M</b> )16 | 299522 | 11 <b>×</b> 10  | 10 <b>₮</b> 44 | 6 <b>₹</b> 53 | 0910  | T 31 |

Delta T = 24.04 sec

SEPTEMBER 1937 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | ·             | ♂               | 4              | ħ             | ) <b>/</b> (   | ¥               | В      | n             | Ω               | ţ              | ę,    | Day  |
|------|----------|-------------------|----------------|----------------|---------------|-----------------|----------------|---------------|----------------|-----------------|--------|---------------|-----------------|----------------|-------|------|
| W 1  | 22 38 57 | 8 <b>m</b> ) 7'51 | 17933          | 29°R41         | 1 <b>Ω</b> 10 | 11 <b>.7</b> 44 | 17°R45         | 3°R30         | 13°R38         | 18 <b>M</b> )18 | 299523 | 11°R 7        | 10 <b>∡</b> 741 | 6 <b>₹</b> 59  | 09513 | W 1  |
| T 2  | 22 42 54 | 9° 5'57           | 1 <b>Ω</b> 32  | 29 <b>m</b> 38 | 2°21          | 12°19           | 17 <b>る</b> 43 | <b>3Υ</b> 26  | 13 <b>8</b> 37 | 18°20           | 29°24  | 11 🗷 1        | 10°37           | 7° 6           | 0°16  | T 2  |
| F 3  | 22 46 50 | 10° 4'05          | 15°25          | 29°30          | 3°31          | 12°53           | 17°41          | 3°22          | 13°36          | 18°22           | 29°26  | 10°52         | 10°34           | 7°13           | 0°19  | F 3  |
| S 4  | 22 50 47 | 11° 2'15          | 29° 7          | 29°15          | 4°42          | 13°28           | 17°39          | 3°17          | 13°36          | 18°24           | 29°27  | 10°41         | 10°31           | 7°19           | 0°22  | S 4  |
| S 5  | 22 54 44 | 12° 0'26          | 12 <b>m</b> 35 | 28°53          | 5°53          | 14° 3           | 17°37          | 3°13          | 13°35          | 18°27           | 29°28  | 10°29         | 10°28           | 7°26           | 0°24  | S 5  |
| M 6  | 22 58 40 | 12°58'39          | 25°47          | 28°26          | 7° 4          | 14°38           | 17°35          | 3° 9          | 13°34          | 18°29           | 29°30  | 10°16         | 10°25           | 7°33           | 0°27  | M 6  |
| T 7  | 23 2 37  | 13°56'54          | 8 <b>≏</b> 40  | 27°52          | 8°15          | 15°13           | 17°34          | 3° 5          | 13°33          | 18°31           | 29°31  | 10° 4         | 10°21           | 7°39           | 0°30  | T 7  |
| W 8  | 23 6 33  | 14°55'10          | 21°16          | 27°11          | 9°26          | 15°49           | 17°32          | 3° 1          | 13°32          | 18°33           | 29°32  | 9°55          | 10°18           | 7°46           | 0°32  | W 8  |
| T 9  | 23 10 30 | 15°53'28          | 3 <b>M</b> .34 | 26°26          | 10°37         | 16°25           | 17°31          | 2°56          | 13°31          | 18°36           | 29°33  | 9°48          | 10°15           | 7°53           | 0°35  | T 9  |
| F 10 | 23 14 26 | 16°51'48          | 15°39          | 25°35          | 11°48         | 17° 1           | 17°30          | 2°52          | 13°30          | 18°38           | 29°35  | 9°43          | 10°12           | 7°59           | 0°37  | F 10 |
| S 11 | 23 18 23 | 17°50'09          | 27°33          | 24°40          | 13° 0         | 17°37           | 17°30          | 2°47          | 13°29          | 18°40           | 29°36  | 9°42          | 10° 9           | 8° 6           | 0°39  | S 11 |
| S 12 | 23 22 19 | 18°48'32          | 9 <b>∡</b> 21  | 23°41          | 14°11         | 18°14           | 17°29          | 2°43          | 13°28          | 18°42           | 29°37  | 9°D41         | 10° 6           | 8°12           | 0°41  | S 12 |
| M13  | 23 26 16 | 19°46'56          | 21°10          | 22°40          | 15°23         | 18°51           | 17°29          | 2°39          | 13°27          | 18°44           | 29°38  | 9°R41         | 10° 2           | 8°19           | 0°44  | M13  |
| T 14 | 23 30 12 | 20°45'22          | 3 <b>る</b> 3   | 21°38          | 16°34         | 19°28           | 17°D29         | 2°34          | 13°26          | 18°47           | 29°39  | 9°41          | 9°59            | 8°26           | 0°46  | T 14 |
| W15  | 23 34 9  | 21°43'50          | 15° 8          | 20°36          | 17°46         | 20° 5           | 17°29          | 2°29          | 13°25          | 18°49           | 29°40  | 9°38          | 9°56            | 8°32           | 0°48  | W15  |
| T 16 | 23 38 6  | 22°42'19          | 27°28          | 19°37          | 18°58         | 20°42           | 17°29          | 2°25          | 13°23          | 18°51           | 29°41  | 9°34          | 9°53            | 8°39           | 0°50  | T 16 |
| F 17 | 23 42 2  | 23°40'50          | 10≈ 8          | 18°40          | 20°10         | 21°20           | 17°30          | 2°20          | 13°22          | 18°53           | 29°42  | 9°27          | 9°50            | 8°46           | 0°51  | F 17 |
| S 18 | 23 45 59 | 24°39'23          | 23°10          | 17°49          | 21°22         | 21°58           | 17°30          | 2°16          | 13°21          | 18°56           | 29°44  | 9°18          | 9°46            | 8°52           | 0°53  | S 18 |
| S 19 | 23 49 55 | 25°37'57          | 6 <b>)</b> €35 | 17° 3          | 22°34         | 22°36           | 17°31          | 2°11          | 13°19          | 18°58           | 29°45  | 9° 7          | 9°43            | 8°59           | 0°55  | S 19 |
| M20  | 23 53 52 | 26°36'33          | 20°21          | 16°25          | 23°46         | 23°14           | 17°32          | 2° 7          | 13°18          | 19° 0           | 29°46  | 8°55          | 9°40            | 9° 6           | 0°57  | M20  |
| T 21 | 23 57 48 | 27°35'11          | 4 <b>Υ</b> 25  | 15°55          | 24°58         | 23°52           | 17°34          | 2° 2          | 13°16          | 19° 2           | 29°47  | 8°44          | 9°37            | 9°12           | 0°58  | T 21 |
| W22  | 0 1 45   | 28°33'51          | 18°42          | 15°34          | 26°10         | 24°31           | 17°35          | 1°57          | 13°15          | 19° 4           | 29°48  | 8°35          | 9°34            | 9°19           | 1° 0  | W22  |
| T 23 | 0 5 41   | 29°32'33          | 3 <b>8</b> 7   | 15°22          | 27°23         | 25° 9           | 17°37          | 1°53          | 13°13          | 19° 7           | 29°49  | 8°28          | 9°31            | 9°26           | 1° 1  | T 23 |
| F 24 | 0 9 38   | 0 <b>ჲ</b> 31'18  | 17°33          | 15°D21         | 28°35         | 25°48           | 17°39          | 1°48          | 13°12          | 19° 9           | 29°49  | 8°24          | 9°27            | 9°32           | 1° 2  | F 24 |
| S 25 | 0 13 35  | 1°30'04           | 1耳56           | 15°29          | 29°48         | 26°27           | 17°41          | 1°43          | 13°10          | 19°11           | 29°50  | 8°D23         | 9°24            | 9°39           | 1° 4  | S 25 |
| S 26 | 0 17 31  | 2°28'53           | 16°13          | 15°48          | 1 Mp 0        | 27° 6           | 17°43          | 1°39          | 13° 8          | 19°13           | 29°51  | 8°23          | 9°21            | 9°45           | 1° 5  | S 26 |
| M27  | 0 21 28  | 3°27'45           | 09୍ଦ21         | 16°16          | 2°13          | 27°46           | 17°45          | 1°34          | 13° 7          | 19°15           | 29°52  | 8°R23         | 9°18            | 9°52           | 1° 6  | M27  |
| T 28 | 0 25 24  | 4°26'38           | 14°20          | 16°53          | 3°26          | 28°25           | 17°48          | 1°29          | 13° 5          | 19°18           | 29°53  | 8°23          | 9°15            | 9°59           | 1° 7  | T 28 |
| W29  | 0 29 21  | 5°25'34           | 28° 9          | 17°39          | 4°39          | 29° 5           | 1 <u>7</u> °51 | 1°25          | 13° 3          | 19°20           | 29°54  | 8°21          | 9°12            | 10° 5          | 1°8   | W29  |
| T 30 | 0 33 17  | 6 <b>≏</b> 24'32  | 11 <b>Ω</b> 48 | 18 <b>M</b> 34 | 5 <b>m</b> 52 | 29 <b>×</b> 745 | 17 <b>る</b> 53 | 1 <b>Υ</b> 20 | 13 <b>8</b> 1  | 19 <b>m</b> 22  | 29955  | 8 <b>∡</b> 16 | 9 <b>才</b> 8    | 10 <b>∡</b> 12 | 199 9 | T 30 |

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OCTOBER 1937 00:00 UT

| Day          | Sid.t              | 0                    | D               | φ               | φ              | o <sup>7</sup> | 4              | ħ              | )ұ(            | ¥              | 5            | ß              | Ω              | Ç              | Š            | Day          |
|--------------|--------------------|----------------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|----------------|----------------|----------------|--------------|--------------|
| F 1          | 0 37 14            | 7 <b>≏</b> 23'32     | 25 <b>Ω</b> 17  | 19 <b>TD</b> 35 | 7 Mp 5         | 0 <b>る</b> 25  | 17 <b>る</b> 57 | 1°R15          | 12°R59         | 19 <b>m</b> 24 | 29955        | 8°R 9          | 9 <b>∡</b> 7 5 | 10 <b>×</b> 19 | 19910        | F 1          |
| S 2          | 0 41 10            | 8°22'35              | 8 <b>m</b> /34  | 20°44           | 8°18           | 1° 5           | 18° 0          | 1 <b>Υ</b> 11  | 12 <b>8</b> 57 | 19°26          | 29°56        | 8 <b>×</b> 7 0 | 9° 2           | 10°25          | 1°10         | S 2          |
| S 3          | 0 45 7             | 9°21'40              | 21°39           | 21°59           | 9°31           | 1°45           | 18° 3          | 1° 6           | 12°56          | 19°28          | 29°57        | 7°50           | 8°59           | 10°32          | 1°11         | S 3          |
| M 4          | 0 49 4             | 10°20'46             | 4 <b>≏</b> 31   | 23°19           | 10°44          | 2°26           | 18° 7          | 1° 1           | 12°54          | 19°30          | 29°58        | 7°39           | 8°56           | 10°39          | 1°12         | M 4          |
| T 5          | 0 53 0             | 11°19'55             | 17° 8           | 24°43           | 11°57          | 3° 6           | 18°11          | 0°57           | 12°52          | 19°32          | 29°58        | 7°29           | 8°52           | 10°45          | 1°12         | T 5          |
| W 6          | 0 56 57            | 12°19'06             | 29°32           | 26°12           | 13°11          | 3°47           | 18°15          | 0°52           | 12°50          | 19°35          | 29°59        | 7°21           | 8°49           | 10°52          | 1°12         | W 6          |
| T 7          | 1 0 53             | 13°18'19             | 11 <b>M</b> .42 | 27°44           | 14°24          | 4°28           | 18°19          | 0°48           | 12°48          | 19°37          | 29°59        | 7°16           | 8°46           | 10°59          | 1°13         | T 7          |
| F 8          | 1 4 50             | 14°17'34             | 23°42           | 29°19           | 15°37          | 5° 9           | 18°24          | 0°43           | 12°45          | 19°39          | $0\Omega$ 0  | 7°12           | 8°43           | 11° 5          | 1°13         | F 8          |
| S 9          | 1 8 46             | 15°16'51             | 5 <b>₹</b> 33   | 0 <b>ჲ</b> 56   | 16°51          | 5°50           | 18°28          | 0°39           | 12°43          | 19°41          | 0° 1         | 7°D11          | 8°40           | 11°12          | 1°13         | S 9          |
| S 10         | 1 12 43            | 16°16'09             | 17°20           | 2°35            | 18° 4          | 6°31           | 18°33          | 0°34           | 12°41          | 19°43          | 0° 1         | 7°12           | 8°37           | 11°18          | 1°R13        | S 10         |
| M11          | 1 16 39            | 17°15'30             | 2 <u>9</u> ° 8  | 4°16            | 19°18          | 7°13           | 18°38          | 0°30           | 12°39          | 19°45          | 0° 2         | 7°13           | 8°33           | 11°25          | 1°13         | M11          |
| T 12         | 1 20 36            | 18°14'52             | 11 <b>る</b> 0   | 5°58            | 20°32          | 7°54           | 18°43          | 0°26           | 12°37          | 19°47          | 0° 3         | 7°14           | 8°30           | 11°32          | 1°13         | T 12         |
| W13          | 1 24 33            | 19°14'16             | 23° 3           | 7°40            | 21°45          | 8°36           | 18°48          | 0°21           | 12°35          | 19°49          | 0° 3         | 7°R14          | 8°27           | 11°38          | 1°13         | W13          |
| T 14         | 1 28 29            | 20°13'42             | 5≈22            | 9°24            | 22°59          | 9°18           | 18°54          | 0°17           | 12°32          | 19°51          | 0° 4         | 7°13           | 8°24           | 11°45          | 1°13         | T 14         |
| F 15         | 1 32 26            | 21°13'09             | 18° 1           | 11° 7           | 24°13          | 10° 0          | 18°59          | 0°13           | 12°30          | 19°53          | 0° 4         | 7°10           | 8°21           | 11°52          | 1°12         | F 15         |
| S 16         | 1 36 22            | 22°12'38             | 1 <b>)</b> 4    | 12°51           | 25°27          | 10°42          | 19° 5          | 0° 9           | 12°28          | 19°55          | 0° 4         | 7° 5           | 8°17           | 11°58          | 1°12         | S 16         |
| S 17         | 1 40 19            | 23°12'09             | 14°34           | 14°35           | 26°41          | 11°24          | 19°11          | 0° 5           | 12°26          | 19°57          | 0° 5         | 6°58           | 8°14           | 12° 5          | 1°11         | S 17         |
| M18          | 1 44 15            | 24°11'42             | 28°30           | 16°18           | 27°55          | 12° 6          | 19°17          | 0° 1           | 12°23          | 19°59          | 0° 5         | 6°51           | 8°11           | 12°12          | 1°11         | M18          |
| T 19         | 1 48 12            | 25°11'17             | 12 <b>Y</b> 49  | 18° 2           | 29° 9          | 12°48          | 19°23          | 29 <b>米</b> 57 | 12°21          | 20° 1          | 0° 5         | 6°44           | 8° 8           | 12°18          | 1°10         | T 19         |
| W20          | 1 52 8             | 26°10'54             | 27°27           | 19°45           | 0 <u>ი</u> 23  | 13°31          | 19°30          | 29°53          | 12°19          | 20° 2          | 0° 6         | 6°39           | 8° 5           | 12°25          | 1° 9         | W20          |
| T 21         | 1 56 5             | 27°10'32             | 12815           | 21°28           | 1°37           | 14°13          | 19°36          | 29°49          | 12°16          | 20° 4          | 0° 6         | 6°35           | 8° 2           | 12°32          | 1° 9         | T 21         |
| F 22         | 2 0 1<br>2 3 58    | 28°10'13<br>29° 9'56 | 27° 7           | 23°10<br>24°52  | 2°51           | 14°56<br>15°38 | 19°43<br>19°50 | 29°45<br>29°41 | 12°14<br>12°12 | 20° 6<br>20° 8 | 0° 6<br>0° 7 | 6°33<br>6°D32  | 7°58<br>7°55   | 12°38<br>12°45 | 1° 8<br>1° 7 | F 22<br>S 23 |
| S 23         |                    |                      | 11 <b>II</b> 54 |                 | 4° 6           |                |                | -              |                |                |              |                |                |                | - ,          |              |
| S 24         | 2 7 55             | OM 9'42              | 26°31           | 26°33           | 5°20           | 16°21          | 19°57          | 29°38          | 12° 9          | 20°10          | 0° 7         | 6°33           | 7°52           | 12°51          | 1° 6         | S 24         |
| M25          | 2 11 51            | 1° 9'29              | 10953           | 28°14           | 6°34           | 17° 4          | 20° 4          | 29°34          | 12° 7          | 20°12          | 0° 7         | 6°35           | 7°49           | 12°58          | 1° 4         | M25          |
| T 26         | 2 15 48            | 2° 9'19              | 24°58           | 29°55           | 7°48           | 17°47          | 20°12          | 29°30          | 12° 4          | 20°13          | 0° 7         | 6°36           | 7°46           | 13° 5          | 1° 3         | T 26         |
| W27          | 2 19 44            | 3° 9'11              | 8 <b>Ω</b> 45   | 1 <b>M</b> .35  | 9° 3           | 18°30          | 20°19          | 29°27          | 12° 2          | 20°15          | 0° 7         | 6°R36          | 7°43           | 13°11          | 1° 2         | W27          |
| T 28         | 2 23 41            | 4° 9'05              | 22°15           | 3°14            | 10°17          | 19°13          | 20°27          | 29°23          | 11°59          | 20°17          | 0° 7         | 6°35           | 7°39           | 13°18          | 1° 1         | T 28<br>F 29 |
| F 29<br>S 30 | 2 27 37<br>2 31 34 | 5° 9'01<br>6° 9'00   | 5Mp28<br>18°26  | 4°53<br>6°32    | 11°32<br>12°46 | 19°56<br>20°40 | 20°35<br>20°43 | 29°20<br>29°17 | 11°57<br>11°55 | 20°19<br>20°20 | 0° 8<br>0° 8 | 6°32<br>6°28   | 7°36<br>7°33   | 13°25<br>13°31 | 0°59<br>0°58 | F 29<br>S 30 |
|              |                    |                      |                 |                 |                |                |                |                |                |                |              |                |                |                |              |              |
| S 31         | 2 35 30            | 7 <b>™</b> 9'01      | 1 <b>≏</b> 10   | 8 <b>M</b> .10  | 14 <b>♀</b> 1  | 21 <b>궁</b> 23 | 20 <b>궁</b> 51 | 29 <b>米</b> 14 | 11852          | 20 Mp 22       | 0 <b>N</b> 8 | 6 <b>₹</b> 23  | 7 <b>.₹</b> 30 | 13 <b>×</b> 38 | 0956         | S 31         |

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| Day  | Sid.t   | 0                 | D              | ğ              | φ              | ♂              | 4              | ħ              | )∤(            | 卉        | В            | n             | Ω              | Ç               | ę,             | Day  |
|------|---------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------|--------------|---------------|----------------|-----------------|----------------|------|
| M 1  | 2 39 27 | 8M 9'03           | 13 <b>≏</b> 42 | 9 <b>M</b> 47  | 15 <b>≏</b> 16 | 22중 7          | 20 <b>궁</b> 59 | 29°R11         | 11°R50         | 20 Mp 24 | 0°R 8        | 6°R18         | 7 <b>.₹</b> 27 | 13 <b>×7</b> 45 | 0°R54          | M 1  |
| T 2  | 2 43 24 | 9° 9'08           | 26° 2          | 11°24          | 16°30          | 22°50          | 21° 7          | 29 <b>米</b> 8  | 11 <b>8</b> 47 | 20°25    | 0 <b>N</b> 8 | 6 <b>₮</b> 13 | 7°23           | 13°51           | 0ഇ53           | T 2  |
| W 3  | 2 47 20 | 10° 9'15          | 8 <b>M</b> .11 | 13° 1          | 17°45          | 23°34          | 21°16          | 29° 5          | 11°45          | 20°27    | 0° 8         | 6° 9          | 7°20           | 13°58           | 0°51           | W 3  |
| T 4  | 2 51 17 | 11° 9'23          | 20°12          | 14°37          | 19° 0          | 24°18          | 21°24          | 29° 2          | 11°42          | 20°28    | 0° 8         | 6° 7          | 7°17           | 14° 5           | 0°49           | T 4  |
| F 5  | 2 55 13 | 12° 9'33          | 2 <b>₹</b> 5   | 16°13          | 20°14          | 25° 2          | 21°33          | 28°59          | 11°40          | 20°30    | 0° 7         | 6°D 6         | 7°14           | 14°11           | 0°47           | F 5  |
| S 6  | 2 59 10 | 13° 9'45          | 13°54          | 17°48          | 21°29          | 25°45          | 21°42          | 28°56          | 11°37          | 20°31    | 0° 7         | 6° 6          | 7°11           | 14°18           | 0°45           | S 6  |
| S 7  | 3 3 6   | 14° 9'59          | 25°40          | 19°23          | 22°44          | 26°29          | 21°51          | 28°54          | 11°35          | 20°33    | 0° 7         | 6° 7          | 7° 8           | 14°25           | 0°43           | S 7  |
| M 8  | 3 7 3   | 15°10'15          | 7 <b>궁</b> 27  | 20°57          | 23°59          | 27°13          | 22° 0          | 28°51          | 11°32          | 20°34    | 0° 7         | 6° 9          | 7° 4           | 14°31           | 0°41           | M 8  |
| T 9  | 3 10 59 | 16°10'32          | 19°20          | 22°32          | 25°14          | 27°57          | 22° 9          | 28°49          | 11°30          | 20°36    | 0° 7         | 6°11          | 7° 1           | 14°38           | 0°38           | T 9  |
| W10  | 3 14 56 | 17°10'50          | 1≈21           | 24° 5          | 26°29          | 28°42          | 22°19          | 28°46          | 11°27          | 20°37    | 0° 7         | 6°12          | 6°58           | 14°44           | 0°36           | W10  |
| T 11 | 3 18 53 | 18°11'10          | 13°37          | 25°39          | 27°44          | 29°26          | 22°28          | 28°44          | 11°25          | 20°39    | 0° 6         | 6°R13         | 6°55           | 14°51           | 0°34           | T 11 |
| F 12 | 3 22 49 | 19°11'31          | 26°12          | 27°12          | 28°58          | 0≈10           | 22°38          | 28°42          | 11°22          | 20°40    | 0° 6         | 6°13          | 6°52           | 14°58           | 0°31           | F 12 |
| S 13 | 3 26 46 | 20°11'53          | 9 <b>米</b> 9   | 28°45          | 0 <b>M</b> .13 | 0°54           | 22°48          | 28°40          | 11°20          | 20°41    | 0° 6         | 6°12          | 6°49           | 15° 4           | 0°29           | S 13 |
| S 14 | 3 30 42 | 21°12'17          | 22°33          | 0 <b>才</b> 18  | 1°28           | 1°39           | 22°58          | 28°38          | 11°18          | 20°43    | 0° 5         | 6°10          | 6°45           | 15°11           | 0°26           | S 14 |
| M15  | 3 34 39 | 22°12'43          | 6 <b>Υ</b> 25  | 1°50           | 2°43           | 2°23           | 23° 8          | 28°36          | 11°15          | 20°44    | 0° 5         | 6° 8          | 6°42           | 15°18           | 0°23           | M15  |
| T 16 | 3 38 35 | 23°13'09          | 20°44          | 3°22           | 3°58           | 3° 8           | 23°18          | 28°35          | 11°13          | 20°45    | 0° 5         | 6° 7          | 6°39           | 15°24           | 0°21           | T 16 |
| W17  | 3 42 32 | 24°13'38          | 5 <b>8</b> 26  | 4°54           | 5°13           | 3°52           | 23°28          | 28°33          | 11°10          | 20°46    | 0° 4         | 6° 5          | 6°36           | 15°31           | 0°18           | W17  |
| T 18 | 3 46 28 | 25°14'07          | 20°26          | 6°25           | 6°29           | 4°37           | 23°38          | 28°31          | 11° 8          | 20°48    | 0° 4         | 6° 4          | 6°33           | 15°38           | 0°15           | T 18 |
| F 19 | 3 50 25 | 26°14'38          | 5 <b>Ⅱ</b> 35  | 7°57           | 7°44           | 5°22           | 23°49          | 28°30          | 11° 6          | 20°49    | 0° 3         | 6°D 4         | 6°29           | 15°44           | 0°12           | F 19 |
| S 20 | 3 54 22 | 27°15'11          | 20°44          | 9°28           | 8°59           | 6° 6           | 23°59          | 28°29          | 11° 3          | 20°50    | 0° 3         | 6° 4          | 6°26           | 15°51           | 0° 9           | S 20 |
| S 21 | 3 58 18 | 28°15'46          | 59544          | 10°58          | 10°14          | 6°51           | 24°10          | 28°27          | 11° 1          | 20°51    | 0° 2         | 6° 5          | 6°23           | 15°58           | 0° 6           | S 21 |
| M22  | 4 2 15  | 29°16'22          | 20°27          | 12°29          | 11°29          | 7°36           | 24°21          | 28°26          | 10°58          | 20°52    | 0° 2         | 6° 5          | 6°20           | 16° 4           | 0° 3           | M22  |
| T 23 | 4 6 1 1 | 0 <b>₮</b> 17'00  | 4Ω47           | 13°59          | 12°44          | 8°20           | 24°32          | 28°25          | 10°56          | 20°53    | 0° 1         | 6° 6          | 6°17           | 16°11           | 0° 0           | T 23 |
| W24  | 4 10 8  | 1°17'39           | 18°44          | 15°29          | 13°59          | 9° 5           | 24°42          | 28°24          | 10°54          | 20°54    | 0° 1         | 6° 6          | 6°14           | 16°18           | 29∏57          | W24  |
| T 25 | 4 14 4  | 2°18'20           | 2Mp 16         | 16°58          | 15°15          | 9°50           | 24°54          | 28°24          | 10°52          | 20°55    | 0° 0         | 6°R 6         | 6°10           | 16°24           | 29°54          | T 25 |
| F 26 | 4 18 1  | 3°19'03           | 15°25          | 18°28          | 16°30          | 10°35          | 25° 5          | 28°23          | 10°49          | 20°56    | 29959        | 6° 6          | 6° 7           | 16°31           | 29°51          | F 26 |
| S 27 | 4 21 57 | 4°19'47           | 28°14          | 19°56          | 17°45          | 11°20          | 25°16          | 28°22          | 10°47          | 20°57    | 29°59        | 6° 6          | 6° 4           | 16°37           | 29°47          | S 27 |
| S 28 | 4 25 54 | 5°20'33           | 10 <b>≏</b> 45 | 21°25          | 19° 0          | 12° 5          | 25°27          | 28°22          | 10°45          | 20°58    | 29°58        | 6° 6          | 6° 1           | 16°44           | 29°44          | S 28 |
| M29  | 4 29 51 | 6°21'20           | 23° 2          | 22°52          | 20°16          | 12°50          | 2 <u>5</u> °39 | 28°21          | 10°43          | 20°59    | 29°58        | 6°D 6         | 5°58           | 16°51           | 29°41          | M29  |
| T 30 | 4 33 47 | 7 <b>.</b> ₹22'09 | 5 <b>M</b> 8   | 24 <b>×</b> 20 | 21 <b>M</b> 31 | 13 <b>≈</b> 35 | 25 <b>궁</b> 50 | 28 <b>米</b> 21 | 10 <b>8</b> 41 | 21 Mg 0  | 29957        | 6 <b>≯</b> 6  | 5 <b>₹</b> 55  | 16 <b>∡</b> 757 | 29 <b>Ⅲ</b> 37 | T 30 |

Delta T = 24.05 sec

DECEMBER 1937 00:00 UT

| Day  | Sid.t   | 0                 | D               | ğ               | φ              | ♂             | 4             | ħ              | )f(           | ¥       | Р              | v              | Ω             | Ç              | ď              | Day  |
|------|---------|-------------------|-----------------|-----------------|----------------|---------------|---------------|----------------|---------------|---------|----------------|----------------|---------------|----------------|----------------|------|
| W 1  | 4 37 44 | 8 <b>×</b> 122'59 | 17 <b>M</b> 6   | 25 <b>∡</b> ¹46 | 22 <b>M</b> 46 | 14≈20         | 26 <b>궁</b> 2 | 28°R21         | 10°R39        | 21 Mp 0 | 29°R56         | 6 <b>₹</b> 1 6 | 5 <b>₹</b> 51 | 17 <b>√</b> 4  | 29°R34         | W 1  |
| T 2  | 4 41 40 | 9°23'51           | 28°58           | 27°12           | 24° 2          | 15° 5         | 26°14         | 28°D21         | 10836         | 21° 1   | 29 <b>9</b> 55 | 6° 6           | 5°48          | 17°11          | 29耳30          | T 2  |
| F 3  | 4 45 37 | 10°24'43          | 10 <b>∡</b> 747 | 28°37           | 25°17          | 15°50         | 26°25         | 28 <b>米</b> 21 | 10°34         | 21° 2   | 29°55          | 6°R 6          | 5°45          | 17°17          | 29°27          | F 3  |
| S 4  | 4 49 33 | 11°25'37          | 22°34           | 0ਰ 1            | 26°32          | 16°36         | 26°37         | 28°21          | 10°32         | 21° 3   | 29°54          | 6° 6           | 5°42          | 17°24          | 29°23          | S 4  |
| S 5  | 4 53 30 | 12°26'32          | 4 <b>る</b> 22   | 1°23            | 27°48          | 17°21         | 26°49         | 28°22          | 10°30         | 21° 3   | 29°53          | 6° 6           | 5°39          | 17°31          | 29°20          | S 5  |
| M 6  | 4 57 26 | 13°27'28          | 16°13           | 2°44            | 29° 3          | 18° 6         | 27° 1         | 28°22          | 10°28         | 21° 4   | 29°52          | 6° 5           | 5°35          | 17°37          | 29°16          | M 6  |
| T 7  | 5 1 23  | 14°28'25          | 28°10           | 4° 4            | 0 <b>才</b> 19  | 18°51         | 27°13         | 28°22          | 10°26         | 21° 4   | 29°51          | 6° 4           | 5°32          | 17°44          | 29°12          | T 7  |
| W 8  | 5 5 20  | 15°29'22          | 10≈15           | 5°21            | 1°34           | 19°37         | 27°26         | 28°23          | 10°24         | 21° 5   | 29°50          | 6° 2           | 5°29          | 17°51          | 29° 9          | W 8  |
| T 9  | 5 9 16  | 16°30'20          | 22°32           | 6°37            | 2°49           | 20°22         | 27°38         | 28°24          | 10°23         | 21° 5   | 29°50          | 6° 1           | 5°26          | 17°57          | 29° 5          | T 9  |
| F 10 | 5 13 13 | 17°31'19          | 5 <b>)</b> 4    | 7°49            | 4° 5           | 21° 7         | 27°50         | 28°25          | 10°21         | 21° 6   | 29°49          | 6° 0           | 5°23          | 18° 4          | 29° 1          | F 10 |
| S 11 | 5 17 9  | 18°32'18          | 17°56           | 8°59            | 5°20           | 21°53         | 28° 3         | 28°25          | 10°19         | 21° 6   | 29°48          | 6°D 0          | 5°20          | 18°11          | 28°58          | S 11 |
| S 12 | 5 21 6  | 19°33'18          | 1 <b>Y</b> 10   | 10° 6           | 6°36           | 22°38         | 28°15         | 28°26          | 10°17         | 21° 7   | 29°47          | 6° 0           | 5°16          | 18°17          | 28°54          | S 12 |
| M13  | 5 25 2  | 20°34'19          | 14°49           | 11°8            | 7°51           | 23°23         | 28°28         | 28°28          | 10°15         | 21° 7   | 29°46          | 6° 1           | 5°13          | 18°24          | 28°50          | M13  |
| T 14 | 5 28 59 | 21°35'20          | 28°55           | 12° 6           | 9° 6           | 24° 9         | 28°41         | 28°29          | 10°14         | 21° 8   | 29°45          | 6° 2           | 5°10          | 18°30          | 28°46          | T 14 |
| W15  | 5 32 55 | 22°36'21          | 13825           | 12°58           | 10°22          | 24°54         | 28°53         | 28°30          | 10°12         | 21° 8   | 29°44          | 6° 3           | 5° 7          | 18°37          | 28°42          | W15  |
| T 16 | 5 36 52 | 23°37'23          | 28°18           | 13°45           | 11°37          | 25°39         | 29° 6         | 28°32          | 10°11         | 21° 8   | 29°43          | 6° 4           | 5° 4          | 18°44          | 28°39          | T 16 |
| F 17 | 5 40 49 | 24°38'26          | 13 <b>Ⅱ</b> 27  | 14°24           | 12°53          | 26°25         | 29°19         | 28°33          | 10° 9         | 21° 8   | 29°42          | 6°R 4          | 5° 1          | 18°50          | 28°35          | F 17 |
| S 18 | 5 44 45 | 25°39'29          | 28°42           | 14°56           | 14° 8          | 27°10         | 29°32         | 28°35          | 10° 7         | 21° 9   | 29°41          | 6° 3           | 4°57          | 18°57          | 28°31          | S 18 |
| S 19 | 5 48 42 | 26°40'33          | 139554          | 15°19           | 15°24          | 27°56         | 29°45         | 28°37          | 10° 6         | 21° 9   | 29°40          | 6° 1           | 4°54          | 19° 4          | 28°27          | S 19 |
| M20  | 5 52 38 | 27°41'38          | 28°53           | 15°33           | 16°39          | 28°41         | 29°58         | 28°39          | 10° 4         | 21° 9   | 29°39          | 5°58           | 4°51          | 19°10          | 28°23          | M20  |
| T 21 | 5 56 35 | 28°42'43          | 13 <b>N</b> 31  | 15°R37          | 17°54          | 29°26         | 0≈11          | 28°41          | 10° 3         | 21° 9   | 29°37          | 5°55           | 4°48          | 19°17          | 28°19          | T 21 |
| W22  | 6 0 31  | 29°43'48          | 27°43           | 15°29           | 19°10          | 0 <b>∺</b> 12 | 0°24          | 28°43          | 10° 2         | 21° 9   | 29°36          | 5°52           | 4°45          | 19°24          | 28°15          | W22  |
| T 23 | 6 4 28  | 0 <b>궁</b> 44'55  | 11 <b>m</b> 25  | 15°10           | 20°25          | 0°57          | 0°37          | 28°45          | 10° 0         | 21° 9   | 29°35          | 5°50           | 4°41          | 19°30          | 28°12          | T 23 |
| F 24 | 6 8 25  | 1°46'02           | 24°40           | 14°39           | 21°41          | 1°43          | 0°50          | 28°47          | 9°59          | 21°R 9  | 29°34          | 5°48           | 4°38          | 19°37          | 28° 8          | F 24 |
| S 25 | 6 12 21 | 2°47'10           | 7 <b>≏</b> 30   | 13°57           | 22°56          | 2°28          | 1° 4          | 28°50          | 9°58          | 21° 9   | 29°33          | 5°D48          | 4°35          | 19°44          | 28° 4          | S 25 |
| S 26 | 6 16 18 | 3°48'18           | 19°58           | 13° 3           | 24°12          | 3°13          | 1°17          | 28°52          | 9°57          | 21° 9   | 29°32          | 5°49           | 4°32          | 19°50          | 28° 0          | S 26 |
| M27  | 6 20 14 | 4°49'27           | 2M 9            | 12° 0           | 25°27          | 3°59          | 1°31          | 28°55          | 9°56          | 21° 9   | 29°31          | 5°51           | 4°29          | 19°57          | 27°56          | M27  |
| T 28 | 6 24 11 | 5°50'37           | 14° 7           | 10°49           | 26°43          | 4°44          | 1°44          | 28°57          | 9°54          | 21° 9   | 29°29          | 5°53           | 4°26          | 20° 4          | 27°52          | T 28 |
| W29  | 6 28 7  | 6°51'47           | 25°58           | 9°31            | 27°58          | 5°30          | 1°57          | 29° 0          | 9°53          | 21° 9   | 29°28          | 5°54           | 4°22          | 20°10          | 27°48          | W29  |
| T 30 | 6 32 4  | 7°52'57           | 7 <b>.₹</b> 45  | 8°10            | 29°14          | 6°15          | 2°11          | 29° 3          | 9°52          | 21° 9   | 29°27          | 5°R55          | 4°19          | 20°17          | 27°45          | T 30 |
| F 31 | 6 36 0  | 8 <b>궁</b> 54'08  | 19 <b>×</b> 32  | 6 <b>ろ</b> 48   | 0る29           | 7 <b>∺</b> 1  | 2≈25          | 29 <b>米</b> 6  | 9 <b>8</b> 51 | 21 Mp 8 | 299526         | 5 <b>₹</b> 54  | 4 <b>₹</b> 16 | 20 <b>∡</b> 24 | 27 <b>Ⅱ</b> 41 | F 31 |

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| Day  | Sid.t   | 0                 | D               | Ϋ́              | φ             | ♂             | 4    | ħ             | )f(           | ¥               | В      | ß              | ಬ             | Ç              | ę,     | Day  |
|------|---------|-------------------|-----------------|-----------------|---------------|---------------|------|---------------|---------------|-----------------|--------|----------------|---------------|----------------|--------|------|
| S 1  | 6 39 57 | 9 <b>ට</b> 555'19 | 1 <b>ප</b> 21   | 5°R28           | 1 <b>ප</b> 45 | 7 <b>∺</b> 46 | 2≈38 | 29 <b>米</b> 9 | 9°R51         | 21°R 8          | 29°R24 | 5°R51          | 4 <b>%</b> 13 | 20 <b>×</b> 30 | 27°R37 | S 1  |
| S 2  | 6 43 54 | 10°56'30          | 13°14           | 4 <b>ට</b> 13   | 3° 0          | 8°31          | 2°52 | 29°12         | 9 <b>8</b> 50 | 21 Mp 8         | 29523  | 5 <b>₹</b> 146 | 4°10          | 20°37          | 27Ⅲ33  | S 2  |
| M 3  | 6 47 50 | 11°57'41          | 25°13           | 3° 4            | 4°16          | 9°17          | 3° 6 | 29°16         | 9°49          | 21° 7           | 29°22  | 5°40           | 4° 7          | 20°43          | 27°30  | M 3  |
| T 4  | 6 51 47 | 12°58'52          | 7≈20            | 2° 3            | 5°31          | 10° 2         | 3°19 | 29°19         | 9°48          | 21° 7           | 29°21  | 5°33           | 4° 3          | 20°50          | 27°26  | T 4  |
| W 5  | 6 55 43 | 14° 0'03          | 19°35           | 1°11            | 6°47          | 10°48         | 3°33 | 29°23         | 9°47          | 21° 7           | 29°19  | 5°26           | 4° 0          | 20°57          | 27°22  | W 5  |
| T 6  | 6 59 40 | 15° 1'14          | 2 <b>)</b> 2    | 0°29            | 8° 2          | 11°33         | 3°47 | 29°26         | 9°47          | 21° 6           | 29°18  | 5°19           | 3°57          | 21° 3          | 27°19  | T 6  |
| F 7  | 7 3 36  | 16° 2'24          | 14°41           | 29 <b>×</b> 757 | 9°18          | 12°18         | 4° 1 | 29°30         | 9°46          | 21° 6           | 29°17  | 5°13           | 3°54          | 21°10          | 27°15  | F 7  |
| S 8  | 7 7 33  | 17° 3'33          | 27°34           | 29°36           | 10°33         | 13° 4         | 4°15 | 29°34         | 9°46          | 21° 5           | 29°16  | 5° 9           | 3°51          | 21°17          | 27°11  | S 8  |
| S 9  | 7 11 29 | 18° 4'43          | 10 <b>Y</b> 44  | 29°24           | 11°49         | 13°49         | 4°29 | 29°37         | 9°45          | 21° 5           | 29°14  | 5° 7           | 3°47          | 21°23          | 27° 8  | S 9  |
| M10  | 7 15 26 | 19° 5'52          | 24°13           | 29°D21          | 13° 4         | 14°34         | 4°43 | 29°41         | 9°45          | 21° 4           | 29°13  | 5°D 7          | 3°44          | 21°30          | 27° 4  | M10  |
| T 11 | 7 19 23 | 20° 7'00          | 8 <b>8</b> 4    | 29°27           | 14°20         | 15°20         | 4°57 | 29°45         | 9°44          | 21° 4           | 29°12  | 5° 8           | 3°41          | 21°37          | 27° 1  | T 11 |
| W12  | 7 23 19 | 21° 8'08          | 22°16           | 29°40           | 15°35         | 16° 5         | 5°11 | 29°50         | 9°44          | 21° 3           | 29°10  | 5° 9           | 3°38          | 21°43          | 26°57  | W12  |
| T 13 | 7 27 16 | 22° 9'15          | 6∏49            | 0중 2            | 16°50         | 16°50         | 5°25 | 29°54         | 9°44          | 21° 2           | 29° 9  | 5°R10          | 3°35          | 21°50          | 26°54  | T 13 |
| F 14 | 7 31 12 | 23°10'21          | 21°39           | 0°29            | 18° 6         | 17°35         | 5°39 | 29°58         | 9°43          | 21° 2           | 29° 8  | 5° 9           | 3°32          | 21°57          | 26°51  | F 14 |
| S 15 | 7 35 9  | 24°11'27          | 6941            | 1° 3            | 19°21         | 18°21         | 5°53 | oΥ 2          | 9°43          | 21° 1           | 29° 6  | 5° 5           | 3°28          | 22° 3          | 26°47  | S 15 |
| S 16 | 7 39 5  | 25°12'33          | 21°46           | 1°42            | 20°37         | 19° 6         | 6° 7 | 0° 7          | 9°43          | 21° 0           | 29° 5  | 5° 0           | 3°25          | 22°10          | 26°44  | S 16 |
| M17  | 7 43 2  | 26°13'37          | 6 <b>Ω</b> 45   | 2°26            | 21°52         | 19°51         | 6°21 | 0°11          | 9°43          | 20°59           | 29° 4  | 4°52           | 3°22          | 22°17          | 26°41  | M17  |
| T 18 | 7 46 58 | 27°14'42          | 21°28           | 3°15            | 23° 8         | 20°36         | 6°35 | 0°16          | 9°D43         | 20°59           | 29° 2  | 4°43           | 3°19          | 22°23          | 26°38  | T 18 |
| W19  | 7 50 55 | 28°15'45          | 5 <b>M</b> p48  | 4° 7            | 24°23         | 21°21         | 6°49 | 0°21          | 9°43          | 20°58           | 29° 1  | 4°35           | 3°16          | 22°30          | 26°35  | W19  |
| T 20 | 7 54 52 | 29°16'49          | 19°40           | 5° 3            | 25°38         | 22° 6         | 7° 3 | 0°26          | 9°43          | 20°57           | 29° 0  | 4°27           | 3°13          | 22°37          | 26°32  | T 20 |
| F 21 | 7 58 48 | 0≈17'52           | 3 <b>॒</b> 3    | 6° 2            | 26°54         | 22°51         | 7°18 | 0°30          | 9°43          | 20°56           | 28°58  | 4°21           | 3° 9          | 22°43          | 26°29  | F 21 |
| S 22 | 8 2 45  | 1°18'54           | 15°59           | 7° 4            | 28° 9         | 23°37         | 7°32 | 0°35          | 9°43          | 20°55           | 28°57  | 4°18           | 3° 6          | 22°50          | 26°26  | S 22 |
| S 23 | 8 6 41  | 2°19'56           | 28°30           | 8° 9            | 29°25         | 24°22         | 7°46 | 0°40          | 9°43          | 20°54           | 28°56  | 4°D16          | 3° 3          | 22°57          | 26°23  | S 23 |
| M24  | 8 10 38 | 3°20'58           | 10 <b>M</b> .42 | 9°16            | 0≈40          | 25° 7         | 8° 0 | 0°45          | 9°44          | 20°53           | 28°54  | 4°17           | 3° 0          | 23° 3          | 26°20  | M24  |
| T 25 | 8 14 34 | 4°21'59           | 22°40           | 10°26           | 1°55          | 25°52         | 8°14 | 0°51          | 9°44          | 20°52           | 28°53  | 4°17           | 2°57          | 23°10          | 26°17  | T 25 |
| W26  | 8 18 31 | 5°23'00           | 4 <b>₮</b> 30   | 11°37           | 3°11          | 26°37         | 8°29 | 0°56          | 9°44          | 20°51           | 28°52  | 4°R18          | 2°53          | 23°16          | 26°14  | W26  |
| T 27 | 8 22 27 | 6°24'00           | 16°16           | 12°50           | 4°26          | 27°22         | 8°43 | 1° 1          | 9°45          | 20°50           | 28°50  | 4°17           | 2°50          | 23°23          | 26°12  | T 27 |
| F 28 | 8 26 24 | 7°24'59           | 28° 3           | 14° 5           | 5°42          | 28° 6         | 8°57 | 1° 7          | 9°45          | 20°49           | 28°49  | 4°14           | 2°47          | 23°30          | 26° 9  | F 28 |
| S 29 | 8 30 21 | 8°25'58           | 9 <b>궁</b> 55   | 15°21           | 6°57          | 28°51         | 9°11 | 1°12          | 9°46          | 20°48           | 28°48  | 4° 8           | 2°44          | 23°36          | 26° 7  | S 29 |
| S 30 | 8 34 17 | 9°26'56           | 21°55           | 16°39           | 8°12          | 29°36         | 9°26 | 1°18          | 9°47          | 20°47           | 28°46  | 4° 0           | 2°41          | 23°43          | 26° 4  | S 30 |
| M31  | 8 38 14 | 10≈27'52          | 4≈ 5            | 17 <b>る</b> 58  | 9≈28          | 0 <b>Υ</b> 21 | 9≈40 | 1 <b>Υ</b> 23 | 9 <b>8</b> 47 | 20 <b>m</b> /45 | 289945 | 3 <b>∡</b> 149 | 2 <b>₹</b> 38 | 23 <b>×</b> 50 | 26耳 2  | M31  |

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| Day  | Sid.t    | 0                | )                | φ              | ·                | ð             | 4     | ħ             | ፟፟፟፟፟         | ¥              | 2      | ß              | G             | Ç               | δ              | Day  |
|------|----------|------------------|------------------|----------------|------------------|---------------|-------|---------------|---------------|----------------|--------|----------------|---------------|-----------------|----------------|------|
| T 1  | 8 42 10  | 11≈28'48         | 16≈25            | 19 <b>궁</b> 18 | 10≈43            | 1 <b>Υ</b> 6  | 9≈54  | 1 <b>Υ</b> 29 | 9 <b>8</b> 48 | 20°R44         | 28°R44 | 3°R36          | 2 <b>₹</b> 34 | 23 <b>×</b> 756 | 25°R59         | T 1  |
| W 2  | 8 46 7   | 12°29'43         | 28°58            | 20°40          | 11°58            | 1°51          | 10° 8 | 1°35          | 9°49          | 20 <b>m</b> 43 | 289542 | 3 <b>.</b> ₹23 | 2°31          | 24° 3           | 25 <b>Ⅱ</b> 57 | W 2  |
| T 3  | 8 50 3   | 13°30'36         | 11 <b>) (</b> 42 | 22° 3          | 13°14            | 2°35          | 10°23 | 1°40          | 9°49          | 20°42          | 28°41  | 3°11           | 2°28          | 24°10           | 25°55          | T 3  |
| F 4  | 8 54 0   | 14°31'29         | 24°37            | 23°26          | 14°29            | 3°20          | 10°37 | 1°46          | 9°50          | 20°41          | 28°40  | 3° 0           | 2°25          | 24°16           | 25°53          | F 4  |
| S 5  | 8 57 56  | 15°32'19         | 7 <b>Ƴ</b> 43    | 24°51          | 15°44            | 4° 5          | 10°51 | 1°52          | 9°51          | 20°39          | 28°39  | 2°52           | 2°22          | 24°23           | 25°51          | S 5  |
| S 6  | 9 1 53   | 16°33'09         | 21° 2            | 26°17          | 17° 0            | 4°49          | 11° 5 | 1°58          | 9°52          | 20°38          | 28°37  | 2°47           | 2°18          | 24°30           | 25°49          | S 6  |
| M 7  | 9 5 50   | 17°33'57         | 4 <b>8</b> 33    | 27°43          | 18°15            | 5°34          | 11°20 | 2° 4          | 9°53          | 20°37          | 28°36  | 2°44           | 2°15          | 24°36           | 25°47          | M 7  |
| T 8  | 9 9 46   | 18°34'44         | 18°17            | 29°11          | 19°30            | 6°19          | 11°34 | 2°10          | 9°54          | 20°35          | 28°35  | 2°D44          | 2°12          | 24°43           | 25°45          | T 8  |
| W 9  | 9 13 43  | 19°35'29         | 2 <b>I</b> I16   | 0≈40           | 20°45            | 7° 3          | 11°48 | 2°16          | 9°55          | 20°34          | 28°34  | 2°R44          | 2° 9          | 24°50           | 25°43          | W 9  |
| T 10 | 9 17 39  | 20°36'12         | 16°30            | 2° 9           | 22° 1            | 7°48          | 12° 2 | 2°23          | 9°56          | 20°33          | 28°32  | 2°43           | 2° 6          | 24°56           | 25°42          | T 10 |
| F 11 | 9 21 36  | 21°36'54         | 0 <b>9</b> 57    | 3°39           | 23°16            | 8°32          | 12°16 | 2°29          | 9°58          | 20°31          | 28°31  | 2°41           | 2° 3          | 25° 3           | 25°40          | F 11 |
| S 12 | 9 25 32  | 22°37'34         | 15°34            | 5°11           | 24°31            | 9°17          | 12°31 | 2°35          | 9°59          | 20°30          | 28°30  | 2°36           | 1°59          | 25°10           | 25°39          | S 12 |
| S 13 | 9 29 29  | 23°38'13         | 0Ω16             | 6°43           | 25°46            | 10° 1         | 12°45 | 2°41          | 10° 0         | 20°28          | 28°29  | 2°28           | 1°56          | 25°16           | 25°37          | S 13 |
| M14  | 9 33 25  | 24°38'50         | 14°56            | 8°16           | 27° 1            | 10°46         | 12°59 | 2°48          | 10° 2         | 20°27          | 28°28  | 2°17           | 1°53          | 25°23           | 25°36          | M14  |
| T 15 | 9 37 22  | 25°39'25         | 29°26            | 9°49           | 28°17            | 11°30         | 13°13 | 2°54          | 10° 3         | 20°25          | 28°26  | 2° 5           | 1°50          | 25°30           | 25°34          | T 15 |
| W16  | 9 41 19  | 26°39'59         | 13 <b>M</b> y38  | 11°24          | 29°32            | 12°14         | 13°27 | 3° 1          | 10° 4         | 20°24          | 28°25  | 1°53           | 1°47          | 25°36           | 25°33          | W16  |
| T 17 | 9 45 15  | 27°40'31         | 27°28            | 13° 0          | 0 <b>) (</b> 47  | 12°58         | 13°41 | 3° 7          | 10° 6         | 20°22          | 28°24  | 1°42           | 1°44          | 25°43           | 25°32          | T 17 |
| F 18 | 9 49 12  | 28°41'02         | 10 <b>≏</b> 53   | 14°36          | 2° 2             | 13°43         | 13°55 | 3°14          | 10° 8         | 20°21          | 28°23  | 1°32           | 1°40          | 25°50           | 25°31          | F 18 |
| S 19 | 9 53 8   | 29°41'32         | 23°52            | 16°14          | 3°17             | 14°27         | 14° 9 | 3°21          | 10° 9         | 20°19          | 28°22  | 1°26           | 1°37          | 25°56           | 25°30          | S 19 |
| S 20 | 9 57 5   | 0 <b>)</b> 42′01 | 6 <b>M</b> 27    | 17°52          | 4°32             | 15°11         | 14°23 | 3°27          | 10°11         | 20°18          | 28°21  | 1°22           | 1°34          | 26° 3           | 25°29          | S 20 |
| M21  | 10 1 1   | 1°42'28          | 18°42            | 19°31          | 5°47             | 15°55         | 14°37 | 3°34          | 10°12         | 20°16          | 28°20  | 1°21           | 1°31          | 26°10           | 25°28          | M21  |
| T 22 | 10 4 58  | 2°42'54          | 0 <b>∡</b> 743   | 21°11          | 7° 2             | 16°39         | 14°51 | 3°41          | 10°14         | 20°15          | 28°19  | 1°20           | 1°28          | 26°16           | 25°28          | T 22 |
| W23  | 10 8 54  | 3°43'18          | 12°34            | 22°52          | 8°18             | 17°23         | 15° 5 | 3°48          | 10°16         | 20°13          | 28°17  | 1°20           | 1°24          | 26°23           | 25°27          | W23  |
| T 24 | 10 12 51 | 4°43'42          | 24°22            | 24°35          | 9°33             | 18° 7         | 15°19 | 3°55          | 10°18         | 20°12          | 28°16  | 1°19           | 1°21          | 26°30           | 25°27          | T 24 |
| F 25 | 10 16 48 | 5°44'03          | 6 <b>ਰ</b> 11    | 26°18          | 10°48            | 18°51         | 15°33 | 4° 1          | 10°20         | 20°10          | 28°15  | 1°16           | 1°18          | 26°36           | 25°26          | F 25 |
| S 26 | 10 20 44 | 6°44'24          | 18° 6            | 28° 2          | 12° 3            | 19°35         | 15°47 | 4° 8          | 10°22         | 20° 8          | 28°14  | 1°10           | 1°15          | 26°43           | 25°26          | S 26 |
| S 27 | 10 24 41 | 7°44'42          | 0≈12             | 29°47          | 13°18            | 20°19         | 16° 0 | 4°15          | 10°23         | 20° 7          | 28°13  | 1° 2           | 1°12          | 26°50           | 25°25          | S 27 |
| M28  | 10 28 37 | 8 <b>)</b> 44'59 | 12 <b>≈</b> 32   | 1 <b>)</b> 33  | 14 <b>) (</b> 33 | 21 <b>°</b> 3 | 16≈14 | 4 <b>Υ</b> 22 | 10825         | 20 mg 5        | 289512 | 0 <b>₹</b> 50  | 1 <b>才</b> 9  | 26 <b>₹</b> 56  | 25Ⅲ25          | M28  |

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MARCH 1938 00:00 UT

| Day          | Sid.t                | 0                           | D                       | ğ              | Ŷ                      | ♂              | 4              | ħ             | )ұ(            | 卉              | В              | ß                      | Ω              | Ç              | , k                      | Day          |
|--------------|----------------------|-----------------------------|-------------------------|----------------|------------------------|----------------|----------------|---------------|----------------|----------------|----------------|------------------------|----------------|----------------|--------------------------|--------------|
| T 1          | 10 32 34             | 9 <b>)</b> 45'15            | 25≈ 6                   | 3 <b>∺</b> 20  | 15 <b>)</b> 48         | 21 <b>Y</b> 47 | 16≈28          | <b>4</b> Υ29  | 10828          | 20°R 4         | 28°R11         | 0°R37                  | 1 <b>√</b> 5   | 27 <b>×7</b> 3 | 25°R25                   | T 1          |
| W 2          | 10 36 30             | 10°45'28                    | 7 <b></b> ₩56           | 5° 8           | 17° 3                  | 22°30          | 16°41          | 4°36          | 10°30          | 20 mg 2        | 289511         | 0 <b>₹</b> 24          | 1° 2           | 27° 9          | 25°D25                   | W 2          |
| T 3<br>F 4   | 10 40 27<br>10 44 23 | 11°45'40<br>12°45'50        | 21° 0<br>4 <b>Y</b> 18  | 6°57<br>8°48   | 18°17<br>19°32         | 23°14<br>23°58 | 16°55<br>17° 9 | 4°44<br>4°51  | 10°32<br>10°34 | 20° 0<br>19°59 | 28°10<br>28° 9 | 0°11<br>29 <b>™</b> 59 | 0°59<br>0°56   | 27°16<br>27°23 | 25 <b>II</b> 25<br>25°25 | T 3<br>F 4   |
| S 5          | 10 44 23             | 12 45 50<br>13°45'58        | 17°47                   | 10°39          | 20°47                  | 24°42          | 17°22          | 4°58          | 10°34          | 19°57          | 28° 8          | 29°51                  | 0°53           | 27°29          | 25°25                    | S 5          |
| S 6          | 10 52 17             | 14°46'05                    | 1826                    | 12°31          | 22° 2                  | 25°25          | 17°36          | 5° 5          | 10°38          | 19°55          | 28° 7          | 29°45                  | 0°50           | 27°36          | 25°26                    | S 6          |
| M 7          | 10 56 13             | 15°46'09                    | 15°13                   | 14°24          | 23°17                  | 26° 9          | 17°49          | 5°12          | 10°41          | 19°54          | 28° 6          | 29°42                  | 0°46           | 27°43          | 25°26                    | M 7          |
| T 8          | 11 0 10              | 16°46'11                    | 29° 6                   | 16°19          | 24°32                  | 26°52          | 18° 3          | 5°20          | 10°43          | 19°52          | 28° 5          | 29°D42                 | 0°43           | 27°49          | 25°26                    | T 8          |
| W 9          | 11 4 6               | 17°46'10                    | 13 <b>I</b> I 6         | 18°14          | 25°47                  | 27°36          | 18°16          | 5°27          | 10°45          | 19°50          | 28° 4          | 29°R42                 | 0°40           | 27°56          | 25°27                    | W 9          |
| T 10         | 11 8 3               | 18°46'08                    | 27°11                   | 20°10          | 27° 1                  | 28°19          | 18°29          | 5°34          | 10°48          | 19°49          | 28° 4          | 29°42                  | 0°37           | 28° 3          | 25°28                    | T 10         |
| F 11<br>S 12 | 11 11 59<br>11 15 56 | 19°46'03<br>20°45'56        | 11 <b>©</b> 22<br>25°37 | 22° 7<br>24° 4 | 28°16<br>29°31         | 29° 3<br>29°46 | 18°42<br>18°56 | 5°41<br>5°49  | 10°50<br>10°53 | 19°47<br>19°45 | 28° 3<br>28° 2 | 29°40<br>29°36         | 0°34<br>0°30   | 28° 9<br>28°16 | 25°28<br>25°29           | F 11<br>S 12 |
|              |                      |                             |                         |                |                        |                |                |               |                |                |                |                        |                |                |                          |              |
| S 13<br>M14  | 11 19 52<br>11 23 49 | 21°45'47<br>22°45'36        | 9 <b>Ω</b> 52<br>24° 4  | 26° 2<br>28° 1 | 0 <b>Υ</b> 46<br>2° 0  | 0 <b>8</b> 29  | 19° 9<br>19°22 | 5°56<br>6° 3  | 10°55<br>10°58 | 19°44<br>19°42 | 28° 1<br>28° 1 | 29°29<br>29°20         | 0°27<br>0°24   | 28°23<br>28°29 | 25°30<br>25°31           | S 13<br>M14  |
| T 15         | 11 23 49             | 23°45'22                    | 8 m) 8                  | 29°59          | 3°15                   | 1°56           | 19°22<br>19°35 | 6°11          | 10° 38         | 19°42          | 28° 0          | 29° 9                  | 0°24<br>0°21   | 28°36          | 25°32                    | T 15         |
| W16          | 11 31 42             | 24°45'07                    | 21°59                   | 1Υ59           | 4°30                   | 2°39           | 19°48          | 6°18          | 11° 3          | 19°39          | 27°59          | 28°58                  | 0°18           | 28°43          | 25°33                    | W16          |
| T 17         | 11 35 39             | 25°44'49                    | 5 <b>₽</b> 32           | 3°58           | 5°44                   | 3°22           | 20° 1          | 6°26          | 11° 5          | 19°37          | 27°59          | 28°48                  | 0°15           | 28°49          | 25°34                    | T 17         |
| F 18         | 11 39 35             | 26°44'29                    | 18°46                   | 5°56           | 6°59                   | 4° 5           | 20°14          | 6°33          | 11° 8          | 19°35          | 27°58          | 28°40                  | 0°11           | 28°56          | 25°36                    | F 18         |
| S 19         | 11 43 32             | 27°44'08                    | 1 <b>M</b> .39          | 7°54           | 8°13                   | 4°48           | 20°26          | 6°41          | 11°11          | 19°34          | 27°58          | 28°34                  | 0° 8           | 29° 3          | 25°37                    | S 19         |
| S 20         | 11 47 28             | 28°43'45                    | 14°12                   | 9°50           | 9°28                   | 5°31           | 20°39          | 6°48          | 11°14          | 19°32          | 27°57          | 28°31                  | 0° 5           | 29° 9          | 25°38                    | S 20         |
| M21          | 11 51 25             | 29°43'20                    | 26°28                   | 11°45          | 10°42                  | 6°14           | 20°52          | 6°55          | 11°16          | 19°30          | 27°57          | 28°D30                 | 0° 2           | 29°16          | 25°40                    | M21          |
| T 22<br>W23  | 11 55 21<br>11 59 18 | 0 <b>°</b> 42'53<br>1°42'24 | 8 <b>∡</b> 30<br>20°23  | 13°39<br>15°30 | 11°57<br>13°11         | 6°57<br>7°40   | 21° 4<br>21°17 | 7° 3<br>7°10  | 11°19<br>11°22 | 19°29<br>19°27 | 27°56<br>27°56 | 28°30<br>28°31         | 29M59<br>29°55 | 29°23<br>29°29 | 25°42<br>25°43           | T 22<br>W23  |
| T 24         | 12 3 14              | 2°41'54                     | 20 23<br>2 <b>ප</b> 12  | 17°19          | 14°26                  | 8°23           | 21°29          | 7°18          | 11°25          | 19°25          | 27°55          | 28°R32                 | 29°52          | 29°36          | 25°45                    | T 24         |
| F 25         | 12 7 11              | 3°41'22                     | 14° 3                   | 19° 4          | 15°40                  | 9° 6           | 21°42          | 7°25          | 11°28          | 19°24          | 27°55          | 28°31                  | 29°49          | 29°43          | 25°47                    | F 25         |
| S 26         | 12 11 8              | 4°40'48                     | 26° 0                   | 20°46          | 16°55                  | 9°48           | 21°54          | 7°33          | 11°31          | 19°22          | 27°54          | 28°28                  | 29°46          | 29°49          | 25°49                    | S 26         |
| S 27         | 12 15 4              | 5°40'12                     | 8≈10                    | 22°24          | 18° 9                  | 10°31          | 22° 6          | 7°40          | 11°33          | 19°21          | 27°54          | 28°24                  | 29°43          | 29°56          | 25°51                    | S 27         |
| M28          | 12 19 1              | 6°39'35                     | 20°34                   | 23°58          | 19°23                  | 11°14          | 22°19          | 7°48          | 11°36          | 19°19          | 27°53          | 28°17                  | 29°40          | 0중 3           | 25°53                    | M28          |
| T 29         | 12 22 57             | 7°38'55                     | 3 <b>∺</b> 17           | 25°27          | 20°38                  | 11°56          | 22°31          | 7°55          | 11°39          | 19°18          | 27°53          | 28° 9                  | 29°36          | 0° 9           | 25°55                    | T 29         |
| W30          | 12 26 54             | 8°38'14                     | 16°19                   | 26°51          | 21°52<br>23 <b>°</b> 6 | 12°39          | 22°43          | 8° 3          | 11°42          | 19°16          | 27°53          | 28° 0                  | 29°33          | 0°16           | 25°57                    | W30          |
| T 31         | 12 30 50             | 9 <b>Ƴ</b> 37'31            | 29 <b>米</b> 41          | 28 <b>Y</b> 9  | 23 <b>Y</b> ′ 6        | 13 <b>8</b> 21 | 22≈55          | 8 <b>Υ</b> 10 | 11 <b>8</b> 45 | 19 <b>m</b> 14 | 27952          | 27 <b>M</b> 51         | 29 <b>M</b> 30 | 0る23           | 26 <b>II</b> 0           | T 31         |

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| Day  | Sid.t    | 0                 | D                | ğ              | ·              | ď             | 4     | ħ              | )∤(            | 卉               | В      | N.             | v              | Ç             | ę,              | Day  |
|------|----------|-------------------|------------------|----------------|----------------|---------------|-------|----------------|----------------|-----------------|--------|----------------|----------------|---------------|-----------------|------|
| F 1  | 12 34 47 | 10 <b>Y</b> 36'45 | 13 <b>Y</b> 21   | 29 <b>Y</b> 22 | 24 <b>Y</b> 21 | 148 4         | 23≈ 6 | 8 <b>Υ</b> 18  | 11 <b>8</b> 49 | 19°R13          | 27°R52 | 27°R44         | 29 <b>M</b> 27 | 0 <b>ට</b> 29 | 26 <b>I</b> I 2 | F 1  |
| S 2  | 12 38 43 | 11°35'58          | 27°15            | 0 <b>8</b> 29  | 25°35          | 14°46         | 23°18 | 8°25           | 11°52          | 19 <b>m</b> /11 | 279552 | 27 <b>M</b> 38 | 29°24          | 0°36          | 26° 4           | S 2  |
| S 3  | 12 42 40 | 12°35'09          | 11820            | 1°29           | 26°49          | 15°29         | 23°30 | 8°33           | 11°55          | 19°10           | 27°52  | 27°35          | 29°21          | 0°43          | 26° 7           | S 3  |
| M 4  | 12 46 37 | 13°34'17          | 25°31            | 2°24           | 28° 3          | 16°11         | 23°42 | 8°41           | 11°58          | 19° 8           | 27°52  | 27°D34         | 29°17          | 0°49          | 26°10           | M 4  |
| T 5  | 12 50 33 | 14°33'23          | 9∏46             | 3°11           | 29°17          | 16°53         | 23°53 | 8°48           | 12° 1          | 19° 7           | 27°51  | 27°34          | 29°14          | 0°56          | 26°12           | T 5  |
| W 6  | 12 54 30 | 15°32'27          | 24° 0            | 3°52           | 0 <b>8</b> 32  | 17°36         | 24° 5 | 8°55           | 12° 4          | 19° 5           | 27°51  | 27°36          | 29°11          | 1° 3          | 26°15           | W 6  |
| T 7  | 12 58 26 | 16°31'29          | 89512            | 4°26           | 1°46           | 18°18         | 24°16 | 9° 3           | 12° 7          | 19° 4           | 27°51  | 27°37          | 29° 8          | 1° 9          | 26°18           | T 7  |
| F 8  | 13 2 23  | 17°30'28          | 22°20            | 4°54           | 3° 0           | 19° 0         | 24°27 | 9°10           | 12°11          | 19° 3           | 27°51  | 27°R37         | 29° 5          | 1°16          | 26°21           | F 8  |
| S 9  | 13 6 19  | 18°29'25          | 6 <b>Ω</b> 23    | 5°14           | 4°14           | 19°42         | 24°38 | 9°18           | 12°14          | 19° 1           | 27°51  | 27°36          | 29° 1          | 1°23          | 26°24           | S 9  |
| S 10 | 13 10 16 | 19°28'20          | 20°19            | 5°28           | 5°28           | 20°24         | 24°49 | 9°25           | 12°17          | 19° 0           | 27°51  | 27°33          | 28°58          | 1°29          | 26°27           | S 10 |
| M11  | 13 14 12 | 20°27'12          | 4Mp 5            | 5°35           | 6°42           | 21° 6         | 25° 0 | 9°33           | 12°20          | 18°58           | 27°D51 | 27°28          | 28°55          | 1°36          | 26°30           | M11  |
| T 12 | 13 18 9  | 21°26'02          | 17°42            | 5°R36          | 7°56           | 21°48         | 25°11 | 9°40           | 12°24          | 18°57           | 27°51  | 27°22          | 28°52          | 1°43          | 26°33           | T 12 |
| W13  | 13 22 6  | 22°24'49          | 1 <b>♀</b> 5     | 5°30           | 9°10           | 22°30         | 25°22 | 9°48           | 12°27          | 18°56           | 27°51  | 27°16          | 28°49          | 1°49          | 26°36           | W13  |
| T 14 | 13 26 2  | 23°23'35          | 14°15            | 5°18           | 10°23          | 23°12         | 25°33 | 9°55           | 12°30          | 18°54           | 27°51  | 27°11          | 28°46          | 1°56          | 26°39           | T 14 |
| F 15 | 13 29 59 | 24°22'19          | 27° 9            | 5° 1           | 11°37          | 23°54         | 25°43 | 10° 2          | 12°34          | 18°53           | 27°51  | 27° 7          | 28°42          | 2° 3          | 26°43           | F 15 |
| S 16 | 13 33 55 | 25°21'01          | 9 <b>M</b> .48   | 4°38           | 12°51          | 24°36         | 25°54 | 10°10          | 12°37          | 18°52           | 27°51  | 27° 4          | 28°39          | 2° 9          | 26°46           | S 16 |
| S 17 | 13 37 52 | 26°19'40          | 22°12            | 4°11           | 14° 5          | 25°18         | 26° 4 | 10°17          | 12°40          | 18°50           | 27°51  | 27°D 3         | 28°36          | 2°16          | 26°50           | S 17 |
| M18  | 13 41 48 | 27°18'18          | 4 <b>₹</b> 23    | 3°39           | 15°19          | 26° 0         | 26°14 | 10°24          | 12°44          | 18°49           | 27°52  | 27° 3          | 28°33          | 2°23          | 26°53           | M18  |
| T 19 | 13 45 45 | 28°16'55          | 16°23            | 3° 4           | 16°32          | 26°41         | 26°24 | 10°32          | 12°47          | 18°48           | 27°52  | 27° 4          | 28°30          | 2°29          | 26°57           | T 19 |
| W20  | 13 49 41 | 29°15'29          | 28°16            | 2°27           | 17°46          | 27°23         | 26°34 | 10°39          | 12°50          | 18°47           | 27°52  | 27° 6          | 28°27          | 2°36          | 27° 1           | W20  |
| T 21 | 13 53 38 | 0814'02           | 10궁 6            | 1°47           | 19° 0          | 28° 5         | 26°44 | 10°46          | 12°54          | 18°46           | 27°52  | 27° 7          | 28°23          | 2°43          | 27° 4           | T 21 |
| F 22 | 13 57 35 | 1°12'33           | 21°57            | 1° 6           | 20°13          | 28°46         | 26°54 | 10°53          | 12°57          | 18°45           | 27°52  | 27° 9          | 28°20          | 2°49          | 27° 8           | F 22 |
| S 23 | 14 131   | 2°11'03           | 3≈55             | 0°24           | 21°27          | 29°28         | 27° 4 | 11° 1          | 13° 1          | 18°43           | 27°53  | 27°R 9         | 28°17          | 2°56          | 27°12           | S 23 |
| S 24 | 14 5 28  | 3° 9'31           | 16° 4            | 29 <b>Y</b> 43 | 22°40          | 0 <b>П</b> 9  | 27°13 | 11° 8          | 13° 4          | 18°42           | 27°53  | 27° 8          | 28°14          | 3° 3          | 27°16           | S 24 |
| M25  | 14 9 24  | 4° 7'57           | 28°29            | 29° 2          | 23°54          | 0°51          | 27°23 | 11°15          | 13° 7          | 18°41           | 27°53  | 27° 6          | 28°11          | 3° 9          | 27°20           | M25  |
| T 26 | 14 13 21 | 5° 6'22           | 11 <b>) (</b> 14 | 28°24          | 25° 8          | 1°32          | 27°32 | 11°22          | 13°11          | 18°40           | 27°54  | 27° 4          | 28° 7          | 3°16          | 27°24           | T 26 |
| W27  | 14 17 17 | 6° 4'45           | 24°21            | 27°47          | 26°21          | 2°14          | 27°41 | 11°29          | 13°14          | 18°39           | 27°54  | 27° 1          | 28° 4          | 3°23          | 27°28           | W27  |
| T 28 | 14 21 14 | 7° 3'06           | 7 <b>Ƴ</b> 51    | 27°14          | 27°34          | 2°55          | 27°50 | 11°36          | 13°18          | 18°38           | 27°55  | 26°58          | 28° 1          | 3°29          | 27°32           | T 28 |
| F 29 | 14 25 10 | 8° 1'26           | 21°44            | 26°44          | 28°48          | 3°36          | 27°59 | 11°43          | 13°21          | 18°37           | 27°55  | 26°55          | 27°58          | 3°36          | 27°36           | F 29 |
| S 30 | 14 29 7  | 8 <b>8</b> 59'44  | 5 <b>8</b> 57    | 26 <b>Y</b> 17 | 0 <b>Ⅱ</b> 1   | 4 <b>Ⅱ</b> 17 | 28≈ 8 | 11 <b>Y</b> 50 | 13825          | 18 <b>m</b> 36  | 27955  | 26M54          | 27 <b>M</b> 55 | 3 <b>⋜</b> 43 | 27 <b>Ⅱ</b> 40  | S 30 |

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|------|----------|------------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|--------|--------|----------------|---------------|----------------|------|
| S 1  | 14 33 3  | 9 <b>8</b> 58'00 | 20 <b>8</b> 25 | 25°R55         | 1 <b>II</b> 15 | 4 <b>Ⅱ</b> 59  | 28≈17         | 11 <b>Y</b> 57 | 13828          | 18°R35         | 279556 | 26°D53 | 27 <b>M</b> 52 | 3 <b>る</b> 49 | 27 <b>Ⅱ</b> 45 | S 1  |
| M 2  | 14 37 0  | 10°56'15         | 5 <b>Ⅱ</b> 3   | 25 <b>Y</b> 37 | 2°28           | 5°40           | 28°26         | 12° 4          | 13°32          | 18 <b>M</b> 34 | 27°56  | 26M53  | 27°48          | 3°56          | 27°49          | M 2  |
| T 3  | 14 40 57 | 11°54'28         | 19°43          | 25°24          | 3°41           | 6°21           | 28°34         | 12°11          | 13°35          | 18°34          | 27°57  | 26°54  | 27°45          | 4° 3          | 27°54          | T 3  |
| W 4  | 14 44 53 | 12°52'38         | 49521          | 25°15          | 4°55           | 7° 2           | 28°42         | 12°18          | 13°39          | 18°33          | 27°58  | 26°55  | 27°42          | 4° 9          | 27°58          | W 4  |
| T 5  | 14 48 50 | 13°50'47         | 18°51          | 25°D11         | 6° 8           | 7°43           | 28°51         | 12°25          | 13°42          | 18°32          | 27°58  | 26°56  | 27°39          | 4°16          | 28° 2          | T 5  |
| F 6  | 14 52 46 | 14°48'54         | 3 <b>N</b> 8   | 25°12          | 7°21           | 8°24           | 28°59         | 12°31          | 13°45          | 18°31          | 27°59  | 26°56  | 27°36          | 4°23          | 28° 7          | F 6  |
| S 7  | 14 56 43 | 15°46'59         | 17°11          | 25°17          | 8°34           | 9° 5           | 29° 6         | 12°38          | 13°49          | 18°30          | 27°59  | 26°R57 | 27°32          | 4°29          | 28°12          | S 7  |
| S 8  | 15 0 39  | 16°45'02         | 0 <b>m</b> 59  | 25°28          | 9°47           | 9°46           | 29°14         | 12°45          | 13°52          | 18°30          | 28° 0  | 26°56  | 27°29          | 4°36          | 28°16          | S 8  |
| M 9  | 15 4 36  | 17°43'02         | 14°30          | 25°42          | 11° 0          | 10°27          | 29°22         | 12°51          | 13°56          | 18°29          | 28° 1  | 26°55  | 27°26          | 4°43          | 28°21          | M 9  |
| T 10 | 15 8 32  | 18°41'01         | 27°46          | 26° 2          | 12°13          | 11°8           | 29°29         | 12°58          | 13°59          | 18°28          | 28° 2  | 26°55  | 27°23          | 4°49          | 28°26          | T 10 |
| W11  | 15 12 29 | 19°38'58         | 10 <b>≏</b> 47 | 26°25          | 13°26          | 11°49          | 29°37         | 13° 5          | 14° 3          | 18°28          | 28° 2  | 26°54  | 27°20          | 4°56          | 28°30          | W11  |
| T 12 | 15 16 26 | 20°36'54         | 23°33          | 26°53          | 14°39          | 12°30          | 29°44         | 13°11          | 14° 6          | 18°27          | 28° 3  | 26°53  | 27°17          | 5° 3          | 28°35          | T 12 |
| F 13 | 15 20 22 | 21°34'48         | 6 <b>M</b> 7   | 27°26          | 15°52          | 13°10          | 29°51         | 13°18          | 14°10          | 18°27          | 28° 4  | 26°52  | 27°13          | 5° 9          | 28°40          | F 13 |
| S 14 | 15 24 19 | 22°32'40         | 18°29          | 28° 2          | 17° 5          | 13°51          | 29°58         | 13°24          | 14°13          | 18°26          | 28° 5  | 26°52  | 27°10          | 5°16          | 28°45          | S 14 |
| S 15 | 15 28 15 | 23°30'31         | 0 <b>₮</b> 40  | 28°42          | 18°18          | 14°32          | 0 <b>∺</b> 5  | 13°30          | 14°17          | 18°26          | 28° 5  | 26°D52 | 27° 7          | 5°23          | 28°50          | S 15 |
| M16  | 15 32 12 | 24°28'20         | 12°43          | 29°25          | 19°31          | 15°12          | 0°11          | 13°37          | 14°20          | 18°25          | 28° 6  | 26°52  | 27° 4          | 5°29          | 28°55          | M16  |
| T 17 | 15 36 8  | 25°26'08         | 24°38          | 0 <b>8</b> 13  | 20°44          | 15°53          | 0°18          | 13°43          | 14°23          | 18°25          | 28° 7  | 26°52  | 27° 1          | 5°36          | 29° 0          | T 17 |
| W18  | 15 40 5  | 26°23'55         | 6 <b>3</b> 29  | 1° 3           | 21°56          | 16°34          | 0°24          | 13°49          | 14°27          | 18°24          | 28° 8  | 26°52  | 26°58          | 5°43          | 29° 5          | W18  |
| T 19 | 15 44 1  | 27°21'40         | 18°19          | 1°58           | 23° 9          | 17°14          | 0°30          | 13°55          | 14°30          | 18°24          | 28° 9  | 26°R52 | 26°54          | 5°50          | 29°10          | T 19 |
| F 20 | 15 47 58 | 28°19'24         | 0≈11           | 2°55           | 24°22          | 17°55          | 0°36          | 14° 1          | 14°34          | 18°23          | 28°10  | 26°52  | 26°51          | 5°56          | 29°15          | F 20 |
| S 21 | 15 51 55 | 29°17'07         | 12° 9          | 3°56           | 25°34          | 18°35          | 0°42          | 14° 7          | 14°37          | 18°23          | 28°11  | 26°52  | 26°48          | 6° 3          | 29°20          | S 21 |
| S 22 | 15 55 51 | 0 <b>Ⅱ</b> 14'49 | 24°17          | 4°59           | 26°47          | 19°15          | 0°47          | 14°13          | 14°40          | 18°23          | 28°12  | 26°D52 | 26°45          | 6°10          | 29°25          | S 22 |
| M23  | 15 59 48 | 1°12'30          | 6 <b>)</b> (40 | 6° 6           | 27°59          | 19°56          | 0°53          | 14°19          | 14°44          | 18°23          | 28°13  | 26°52  | 26°42          | 6°16          | 29°31          | M23  |
| T 24 | 16 3 44  | 2°10'10          | 19°22          | 7°15           | 29°12          | 20°36          | 0°58          | 14°25          | 14°47          | 18°22          | 28°14  | 26°52  | 26°38          | 6°23          | 29°36          | T 24 |
| W25  | 16 741   | 3° 7'49          | 2 <b>Υ</b> 26  | 8°28           | 0924           | 21°16          | 1° 3          | 14°31          | 14°50          | 18°22          | 28°15  | 26°52  | 26°35          | 6°30          | 29°41          | W25  |
| T 26 | 16 11 37 | 4° 5'27          | 15°55          | 9°43           | 1°37           | 21°57          | 1° 8          | 14°37          | 14°54          | 18°22          | 28°16  | 26°53  | 26°32          | 6°36          | 29°46          | T 26 |
| F 27 | 16 15 34 | 5° 3'03          | 29°50          | 11° 1          | 2°49           | 22°37          | 1°13          | 14°43          | 14°57          | 18°22          | 28°17  | 26°54  | 26°29          | 6°43          | 29°52          | F 27 |
| S 28 | 16 19 30 | 6° 0'39          | 14 <b>8</b> 10 | 12°21          | 4° 2           | 23°17          | 1°18          | 14°48          | 15° 0          | 18°22          | 28°18  | 26°54  | 26°26          | 6°50          | 29°57          | S 28 |
| S 29 | 16 23 27 | 6°58'15          | 28°51          | 13°45          | 5°14           | 23°57          | 1°22          | 14°54          | 15° 4          | 18°22          | 28°19  | 26°R54 | 26°23          | 6°56          | 099 3          | S 29 |
| M30  | 16 27 24 | 7°55'49          | 13 <b>∐</b> 47 | 15°11          | 6°26           | 24°38          | 1°27          | 14°59          | 15° 7          | 18°D22         | 28°20  | 26°54  | 26°19          | <u>7°</u> 3   | 0° 8           | M30  |
| T 31 | 16 31 20 | 8 <b>Ⅱ</b> 53'21 | 28耳50          | 16 <b>8</b> 39 | 7938           | 25 <b>Ⅱ</b> 18 | 1 <b>∺</b> 31 | 15 <b>Y</b> 5  | 15 <b>8</b> 10 | 18 <b>M</b> 22 | 28921  | 26M53  | 26M16          | 7 <b>云</b> 10 | 09913          | T 31 |

Delta T = 24.08 sec

JUNE 1938 00:00 UT

| Day  | Sid.t    | 0        | D               | ğ              | Q.             | ď      | 4              | ħ              | )f(            | Ħ              | В      | N.     | U     | Ç              | ę,    | Day  |
|------|----------|----------|-----------------|----------------|----------------|--------|----------------|----------------|----------------|----------------|--------|--------|-------|----------------|-------|------|
| W 1  | 16 35 17 | 9∏50'53  | 139550          | 18 <b>8</b> 10 | 8 <b>9</b> 51  | 25耳58  | 1 <b>)</b> €35 | 15 <b>Y</b> 10 | 15 <b>8</b> 13 | 18 <b>m</b> 22 | 28923  | 26°R52 | 26M13 | 7 <b>궁</b> 16  | 09319 | W 1  |
| T 2  | 16 39 13 | 10°48'24 | 28°41           | 19°43          | 10° 3          | 26°38  | 1°39           | 15°16          | 15°17          | 18°22          | 28°24  | 26M50  | 26°10 | 7°23           | 0°24  | T 2  |
| F 3  | 16 43 10 | 11°45'53 | $13\Omega15$    | 21°20          | 11°15          | 27°18  | 1°42           | 15°21          | 15°20          | 18°22          | 28°25  | 26°49  | 26° 7 | 7°30           | 0°30  | F 3  |
| S 4  | 16 47 6  | 12°43'21 | 27°28           | 22°58          | 12°27          | 27°58  | 1°46           | 15°26          | 15°23          | 18°22          | 28°26  | 26°48  | 26° 4 | 7°36           | 0°35  | S 4  |
| S 5  | 16 51 3  | 13°40'47 | 11 <b>m</b> )17 | 24°39          | 13°39          | 28°38  | 1°49           | 15°31          | 15°26          | 18°22          | 28°27  | 26°D47 | 26° 0 | 7°43           | 0°41  | S 5  |
| M 6  | 16 54 59 | 14°38'12 | 24°44           | 26°23          | 14°51          | 29°18  | 1°52           | 15°36          | 15°29          | 18°22          | 28°29  | 26°47  | 25°57 | 7°50           | 0°47  | M 6  |
| T 7  | 16 58 56 | 15°35'37 | 7 <b>≙</b> 49   | 28° 9          | 16° 3          | 29°58  | 1°55           | 15°41          | 15°32          | 18°23          | 28°30  | 26°48  | 25°54 | 7°56           | 0°52  | T 7  |
| W 8  | 17 2 53  | 16°33'00 | 20°35           | 29°58          | 17°15          | 0ഇ37   | 1°57           | 15°46          | 15°36          | 18°23          | 28°31  | 26°50  | 25°51 | 8° 3           | 0°58  | W 8  |
| T 9  | 17 6 49  | 17°30'22 | 3M 6            | 1∏49           | 18°27          | 1°17   | 2° 0           | 15°51          | 15°39          | 18°23          | 28°32  | 26°51  | 25°48 | 8°10           | 1° 3  | T 9  |
| F 10 | 17 10 46 | 18°27'43 | 15°23           | 3°42           | 19°38          | 1°57   | 2° 2           | 15°56          | 15°42          | 18°23          | 28°34  | 26°52  | 25°44 | 8°16           | 1° 9  | F 10 |
| S 11 | 17 14 42 | 19°25'03 | 27°31           | 5°38           | 20°50          | 2°37   | 2° 4           | 16° 0          | 15°45          | 18°24          | 28°35  | 26°R53 | 25°41 | 8°23           | 1°15  | S 11 |
| S 12 | 17 18 39 | 20°22'22 | 9 <b>~</b> 31   | 7°36           | 22° 2          | 3°16   | 2° 6           | 16° 5          | 15°48          | 18°24          | 28°36  | 26°52  | 25°38 | 8°30           | 1°20  | S 12 |
| M13  | 17 22 35 | 21°19'41 | 21°26           | 9°36           | 23°13          | 3°56   | 2° 8           | 16°10          | 15°51          | 18°25          | 28°38  | 26°50  | 25°35 | 8°36           | 1°26  | M13  |
| T 14 | 17 26 32 | 22°16'59 | 3 <b>ਰ</b> 17   | 11°38          | 24°25          | 4°36   | 2°10           | 16°14          | 15°54          | 18°25          | 28°39  | 26°47  | 25°32 | 8°43           | 1°32  | T 14 |
| W15  | 17 30 29 | 23°14'16 | 15° 7           | 13°42          | 25°36          | 5°15   | 2°11           | 16°18          | 15°57          | 18°26          | 28°41  | 26°43  | 25°29 | 8°50           | 1°37  | W15  |
| T 16 | 17 34 25 | 24°11'33 | 26°58           | 15°48          | 26°48          | 5°55   | 2°12           | 16°23          | 15°59          | 18°26          | 28°42  | 26°39  | 25°25 | 8°57           | 1°43  | T 16 |
| F 17 | 17 38 22 | 25° 8'49 | 8≈53            | 17°56          | 27°59          | 6°35   | 2°13           | 16°27          | 16° 2          | 18°27          | 28°43  | 26°34  | 25°22 | 9° 3           | 1°49  | F 17 |
| S 18 | 17 42 18 | 26° 6'05 | 20°53           | 20° 4          | 29°11          | 7°14   | 2°14           | 16°31          | 16° 5          | 18°27          | 28°45  | 26°30  | 25°19 | 9°10           | 1°55  | S 18 |
| S 19 | 17 46 15 | 27° 3'20 | 3 <b>∺</b> 2    | 22°14          | $0\Omega 22$   | 7°54   | 2°14           | 16°35          | 16° 8          | 18°28          | 28°46  | 26°26  | 25°16 | 9°17           | 2° 0  | S 19 |
| M20  | 17 50 11 | 28° 0'35 | 15°24           | 24°25          | 1°33           | 8°33   | 2°15           | 16°39          | 16°11          | 18°28          | 28°48  | 26°24  | 25°13 | 9°23           | 2° 6  | M20  |
| T 21 | 17 54 8  | 28°57'50 | 28° 3           | 26°36          | 2°44           | 9°13   | 2°15           | 16°43          | 16°14          | 18°29          | 28°49  | 26°D23 | 25°10 | 9°30           | 2°12  | T 21 |
| W22  | 17 58 4  | 29°55'05 | 11 <b>Y</b> 1   | 28°48          | 3°55           | 9°52   | 2°R15          | 16°47          | 16°16          | 18°30          | 28°51  | 26°24  | 25° 6 | 9°37           | 2°18  | W22  |
| T 23 | 18 2 1   | 0952'20  | 24°24           | 0959           | 5° 7           | 10°31  | 2°15           | 16°51          | 16°19          | 18°31          | 28°52  | 26°25  | 25° 3 | 9°43           | 2°23  | T 23 |
| F 24 | 18 5 58  | 1°49'35  | 8 <b>8</b> 13   | 3°11           | 6°18           | 11°11  | 2°15           | 16°54          | 16°22          | 18°31          | 28°54  | 26°27  | 25° 0 | 9°50           | 2°29  | F 24 |
| S 25 | 18 9 54  | 2°46'50  | 22°28           | 5°22           | 7°28           | 11°50  | 2°14           | 16°58          | 16°24          | 18°32          | 28°55  | 26°R27 | 24°57 | 9°57           | 2°35  | S 25 |
| S 26 | 18 13 51 | 3°44'04  | 7 <b>I</b> 8    | 7°32           | 8°39           | 12°30  | 2°13           | 17° 1          | 16°27          | 18°33          | 28°57  | 26°27  | 24°54 | 10° 3          | 2°41  | S 26 |
| M27  | 18 17 47 | 4°41'19  | 22° 8           | 9°41           | 9°50           | 13° 9  | 2°12           | 17° 5          | 16°30          | 18°34          | 28°58  | 26°25  | 24°50 | 10°10          | 2°47  | M27  |
| T 28 | 18 21 44 | 5°38'33  | 79520           | 11°48          | 11° 1          | 13°48  | 2°11           | 17° 8          | 16°32          | 18°35          | 29° 0  | 26°21  | 24°47 | 10°17          | 2°52  | T 28 |
| W29  | 18 25 40 | 6°35'47  | 22°34           | 13°55          | 12°12          | 14°27  | 2°10           | 17°11          | 16°35          | 18°36          | 29° 1  | 26°16  | 24°44 | 10°23          | 2°58  | W29  |
| T 30 | 18 29 37 | 7933'01  | 7 <b>Ω</b> 41   | 1695 0         | 13 <b>Ω</b> 22 | 1595 7 | 2 <b>∺</b> 8   | 17 <b>Y</b> 14 | 16 <b>8</b> 37 | 18 <b>M</b> 37 | 2999 3 | 26M10  | 24M41 | 10 <b>궁</b> 30 | 399 4 | T 30 |

Delta T = 24.09 sec

JULY 1938 00:00 UT

| Day          | Sid.t                | 0                    | D                      | ğ              | Q.                   | δ              | 4            | ħ              | )f(            | ¥               | В              | P.             | v              | ţ              | ę,           | Day          |
|--------------|----------------------|----------------------|------------------------|----------------|----------------------|----------------|--------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|--------------|--------------|
| F 1          | 18 33 33             | 8930'15              | 22 <b>\O</b> 30        | 1895 3         | 14 <b>Ω</b> 33       | 159546         | 2°R 7        | 17 <b>Y</b> 17 | 16 <b>8</b> 40 | 18 <b>m</b> 38  | 2995 5         | 26°R 4         | 24MJ38         | 10중37          | 39510        | F 1          |
| S 2          | 18 37 30             | 9°27'28              | 6Mp55                  | 20° 5          | 15°43                | 16°25          | 2 <b>∺</b> 5 | 17°20          | 16°42          | 18°39           | 29° 6          | 26M 0          | 24°35          | 10°43          | 3°15         | S 2          |
| S 3          | 18 41 27             | 10°24'41             | 20°53                  | 22° 4          | 16°54                | 17° 4          | 2° 3         | 17°23          | 16°44          | 18°40           | 29° 8          | 25°56          | 24°31          | 10°50          | 3°21         | S 3          |
| M 4          | 18 45 23             | 11°21'53             | 4 <b>º</b> 22          | 24° 2          | 18° 4                | 17°43          | 2° 0         | 17°26          | 16°47          | 18°41           | 29° 9          | 25°54          | 24°28          | 10°57          | 3°27         | M 4          |
| T 5          | 18 49 20             | 12°19'05             | 17°25                  | 25°58          | 19°14                | 18°22          | 1°58         | 17°28          | 16°49          | 18°42           | 29°11          | 25°D54         | 24°25          | 11° 4          | 3°33         | T 5          |
| W 6          | 18 53 16             | 13°16'17             | OM 6                   | 27°52          | 20°25                | 19° 2          | 1°55         | 17°31          | 16°51          | 18°43           | 29°12          | 25°55          | 24°22          | 11°10          | 3°38         | W 6          |
| T 7          | 18 57 13             | 14°13'29             | 12°28                  | 29°45          | 21°35                | 19°41          | 1°52         | 17°34          | 16°53          | 18°44           | 29°14          | 25°56          | 24°19          | 11°17          | 3°44         | T 7          |
| F 8          | 19 1 9               | 15°10'40             | 24°37                  | 1035           | 22°45                | 20°20          | 1°49         | 17°36          | 16°56          | 18°45           | 29°16          | 25°R57         | 24°16          | 11°24          | 3°50         | F 8          |
| S 9          | 19 5 6               | 16° 7'52             | 6 <b>₹</b> 36          | 3°23           | 23°55                | 20°59          | 1°46         | 17°38          | 16°58          | 18°46           | 29°17          | 25°57          | 24°12          | 11°30          | 3°56         | S 9          |
| S 10         | 19 9 2               | 17° 5'03             | 18°29                  | 5° 9           | 25° 5                | 21°38          | 1°43         | 17°40          | 17° 0          | 18°48           | 29°19          | 25°54          | 24° 9          | 11°37          | 4° 1         | S 10         |
| M11          | 19 12 59             | 18° 2'15             | 0 <b>る</b> 19          | 6°53           | 26°15                | 22°17          | 1°39         | 17°42          | 17° 2          | 18°49           | 29°21          | 25°49          | 24° 6          | 11°44          | 4° 7         | M11          |
| T 12         | 19 16 56             | 18°59'26             | 12° 9                  | 8°35           | 27°24                | 22°56          | 1°36         | 17°44          | 17° 4          | 18°50           | 29°22          | 25°42          | 24° 3          | 11°50          | 4°13         | T 12         |
| W13          | 19 20 52             | 19°56'38             | 24° 0                  | 10°15          | 28°34                | 23°34          | 1°32         | 17°46          | 17° 6          | 18°52           | 29°24          | 25°33          | 24° 0          | 11°57          | 4°18         | W13          |
| T 14         | 19 24 49<br>19 28 45 | 20°53'50<br>21°51'03 | 5 <b>≈</b> 55<br>17°56 | 11°54<br>13°30 | 29°43                | 24°13<br>24°52 | 1°28<br>1°23 | 17°48<br>17°50 | 17° 8<br>17°10 | 18°53<br>18°54  | 29°26<br>29°27 | 25°23<br>25°13 | 23°56<br>23°53 | 12° 4<br>12°10 | 4°24<br>4°30 | T 14<br>F 15 |
| F 15<br>S 16 | 19 28 45             | 21°51°03<br>22°48'16 | 0 <del>)(</del> 2      | 15° 4          | 0 <b>m</b> 53<br>2°2 | 24°32<br>25°31 | 1°23         | 17°51          | 17°10<br>17°12 | 18°54<br>18°56  | 29°27<br>29°29 | 25° 3          | 23°50          | 12°10<br>12°17 | 4°35         | S 16         |
|              |                      |                      |                        |                |                      |                |              |                |                |                 |                |                |                |                |              |              |
| S 17         | 19 36 38             | 23°45'29             | 12°18                  | 16°36          | 3°11                 | 26°10          | 1°14         | 17°53          | 17°14          | 18°57           | 29°30          | 24°55          | 23°47          | 12°24          | 4°41         | S 17         |
| M18          | 19 40 35             | 24°42'43             | 24°44                  | 18° 6          | 4°21                 | 26°49          | 1°10         | 17°54          | 17°15          | 18°59           | 29°32          | 24°49          | 23°44          | 12°31          | 4°46         | M18          |
| T 19<br>W20  | 19 44 31<br>19 48 28 | 25°39'58<br>26°37'13 | 7 <b>Υ</b> 24<br>20°21 | 19°34<br>21° 1 | 5°30<br>6°39         | 27°28<br>28° 6 | 1° 5<br>1° 0 | 17°55<br>17°57 | 17°17<br>17°19 | 19° 0<br>19° 1  | 29°34<br>29°35 | 24°45<br>24°43 | 23°41<br>23°37 | 12°37<br>12°44 | 4°52<br>4°58 | T 19<br>W20  |
| T 21         | 19 48 28             | 20°37′13<br>27°34′29 | 3 <b>8</b> 37          | 21° 1<br>22°25 | 7°48                 | 28°45          | 0°54         | 17°58          | 17°19          | 19° 1           | 29°33          | 24°D43         | 23°34          | 12°44<br>12°51 | 5° 3         | T 21         |
| F 22         | 19 56 21             | 28°31'46             | 17°17                  | 23°47          | 8°56                 | 29°24          | 0°49         | 17°59          | 17°22          | 19° 5           | 29°39          | 24°R44         | 23°31          | 12°57          | 5° 9         | F 22         |
| S 23         | 20 0 18              | 29°29'04             | 1 <b>川</b> 22          | 25° 6          | 10° 5                | $0\Omega^{3}$  | 0°43         | 18° 0          | 17°24          | 19° 6           | 29°40          | 24°44          | 23°28          | 13° 4          | 5°14         | S 23         |
| S 24         | 20 4 14              | 0Ω26'23              | 15°50                  | 26°24          | 11°14                | 0°41           | 0°38         | 18° 0          | 17°25          | 19° 8           | 29°42          | 24°42          | 23°25          | 13°11          | 5°20         | S 24         |
| M25          | 20 4 14 20 8 11      | 1°23'43              | 09641                  | 26°24<br>27°39 | 11°14<br>12°22       | 1°20           | 0°38<br>0°32 | 18° 0          | 17°23          | 19° 8           | 29°42<br>29°44 | 24°42<br>24°38 | 23°23<br>23°22 | 13°17          | 5°25         | M25          |
| T 26         | 20 12 7              | 2°21'04              | 15°47                  | 28°52          | 13°30                | 1°59           | 0°26         | 18° 2          | 17°28          | 19°11           | 29°45          | 24°32          | 23°18          | 13°24          | 5°30         | T 26         |
| W27          | 20 16 4              | 3°18'25              | 10 0                   | 0 mp 3         | 14°39                | 2°37           | 0°20         | 18° 2          | 17°29          | 19°13           | 29°47          | 24°23          | 23°15          | 13°31          | 5°36         | W27          |
| T 28         | 20 20 0              | 4°15'47              | 16° 9                  | 1°11           | 15°47                | 3°16           | 0°14         | 18° 2          | 17°31          | 19°14           | 29°49          | 24°13          | 23°12          | 13°37          | 5°41         | T 28         |
| F 29         | 20 23 57             | 5°13'10              | 1 Mp 4                 | 2°17           | 16°55                | 3°55           | 0° 7         | 18° 3          | 17°32          | 19°16           | 29°50          | 24° 3          | 23° 9          | 13°44          | 5°46         | F 29         |
| S 30         | 20 27 54             | 6°10'33              | 15°36                  | 3°20           | 18° 3                | 4°33           | 0° 1         | 18° 3          | 17°33          | 19°18           | 29°52          | 23°54          | 23° 6          | 13°51          | 5°52         | S 30         |
| S 31         | 20 31 50             | 7 <b>Ω</b> 7'57      | 29 <b>M</b> 40         | 4 Mp 21        | 19 <b>m</b> )11      | 5 <b>Ω</b> 12  | 29≈54        | 18°R 3         | 17 <b>8</b> 35 | 19 <b>m</b> )19 | 29954          | 23 <b>M</b> 47 | 23 <b>M</b> 2  | 13 <b>ප</b> 57 | 5957         | S 31         |

Delta T = 24.10 sec

AUGUST 1938 00:00 UT

| Day  | Sid.t    | 0                  | D              | Ψ               | φ              | ð             | 4      | ħ              | ᡟ              | ¥                          | Р             | ß               | Ω              | ţ              | ۰,    | Day  |
|------|----------|--------------------|----------------|-----------------|----------------|---------------|--------|----------------|----------------|----------------------------|---------------|-----------------|----------------|----------------|-------|------|
| M 1  | 20 35 47 | 8 <b>Ω</b> 5'21    | 13 <b>≏</b> 15 | 5 <b>m</b> ) 18 | 20 <b>m</b> 18 | 5 <b>Ω</b> 50 | 29°R48 | 18°R 3         | 17 <b>8</b> 36 | 19 <b>m</b> <sub>2</sub> 1 | 29955         | 23°R43          | 22 <b>M</b> 59 | 14궁 4          | 69 2  | M 1  |
| T 2  | 20 39 43 | 9° 2'46            | 26°21          | 6°13            | 21°26          | 6°29          | 29≈41  | 18 <b>°</b> 3  | 17°37          | 19°23                      | 29°57         | 23 <b>M</b> .41 | 22°56          | 14°11          | 6° 7  | T 2  |
| W 3  | 20 43 40 | 10° 0'12           | 9 <b>m</b> 3   | 7° 5            | 22°33          | 7° 7          | 29°34  | 18° 2          | 17°38          | 19°25                      | 29°59         | 23°D40          | 22°53          | 14°18          | 6°13  | W 3  |
| T 4  | 20 47 36 | 10°57'38           | 21°24          | 7°53            | 23°40          | 7°46          | 29°27  | 18° 2          | 17°39          | 19°27                      | 0 0 0         | 23°R40          | 22°50          | 14°24          | 6°18  | T 4  |
| F 5  | 20 51 33 | 11°55'05           | 3 <b>₹</b> 30  | 8°38            | 24°48          | 8°24          | 29°20  | 18° 2          | 17°40          | 19°28                      | 0° 2          | 23°40           | 22°47          | 14°31          | 6°23  | F 5  |
| S 6  | 20 55 29 | 12°52'33           | 15°25          | 9°19            | 25°55          | 9° 3          | 29°13  | 18° 1          | 17°41          | 19°30                      | 0° 4          | 23°38           | 22°43          | 14°38          | 6°28  | S 6  |
| S 7  | 20 59 26 | 13°50'01           | 27°16          | 9°57            | 27° 1          | 9°41          | 29° 5  | 18° 0          | 17°42          | 19°32                      | 0° 5          | 23°34           | 22°40          | 14°44          | 6°33  | S 7  |
| M 8  | 21 3 23  | 14°47'31           | 9 <b>ට</b> 5   | 10°30           | 28° 8          | 10°20         | 28°58  | 18° 0          | 17°43          | 19°34                      | 0° 7          | 23°28           | 22°37          | 14°51          | 6°38  | M 8  |
| T 9  | 21 7 19  | 15°45'01           | 20°56          | 11° 0           | 29°15          | 10°58         | 28°50  | 17°59          | 17°43          | 19°36                      | 0° 9          | 23°18           | 22°34          | 14°58          | 6°43  | T 9  |
| W10  | 21 11 16 | 16°42'33           | 2 <b>≈</b> 52  | 11°25           | 0 <b>ჲ</b> 21  | 11°37         | 28°43  | 17°58          | 17°44          | 19°38                      | 0°10          | 23° 6           | 22°31          | 15° 4          | 6°48  | W10  |
| T 11 | 21 15 12 | 17°40'05           | 14°54          | 11°46           | 1°27           | 12°15         | 28°35  | 17°57          | 17°45          | 19°40                      | 0°12          | 22°53           | 22°27          | 15°11          | 6°53  | T 11 |
| F 12 | 21 19 9  | 18°37'38           | 27° 4          | 12° 2           | 2°33           | 12°53         | 28°28  | 17°56          | 17°45          | 19°42                      | 0°13          | 22°40           | 22°24          | 15°18          | 6°57  | F 12 |
| S 13 | 21 23 5  | 19°35'13           | 9 <b>∺</b> 22  | 12°12           | 3°39           | 13°32         | 28°20  | 17°54          | 17°46          | 19°44                      | 0°15          | 22°27           | 22°21          | 15°25          | 7° 2  | S 13 |
| S 14 | 21 27 2  | 20°32'49           | 21°50          | 12°18           | 4°45           | 14°10         | 28°12  | 17°53          | 17°46          | 19°46                      | 0°17          | 22°16           | 22°18          | 15°31          | 7° 7  | S 14 |
| M15  | 21 30 58 | 21°30'26           | 4 <b>Υ</b> 27  | 12°R19          | 5°50           | 14°49         | 28° 5  | 17°51          | 17°47          | 19°48                      | 0°18          | 22° 7           | 22°15          | 15°38          | 7°12  | M15  |
| T 16 | 21 34 55 | 22°28'05           | 17°17          | 12°14           | 6°55           | 15°27         | 27°57  | 17°50          | 17°47          | 19°50                      | 0°20          | 22° 1           | 22°12          | 15°45          | 7°16  | T 16 |
| W17  | 21 38 52 | 23°25'45           | 0 <b>8</b> 19  | 12° 3           | 8° 1           | 16° 5         | 27°49  | 17°48          | 17°48          | 19°52                      | 0°21          | 21°58           | 22° 8          | 15°51          | 7°21  | W17  |
| T 18 | 21 42 48 | 24°23'27           | 13°37          | 11°47           | 9° 6           | 16°43         | 27°41  | 17°46          | 17°48          | 19°54                      | 0°23          | 21°57           | 22° 5          | 15°58          | 7°25  | T 18 |
| F 19 | 21 46 45 | 25°21'10           | 27°13          | 11°25           | 10°10          | 17°22         | 27°33  | 17°45          | 17°48          | 19°56                      | 0°24          | 21°57           | 22° 2          | 16° 5          | 7°30  | F 19 |
| S 20 | 21 50 41 | 26°18'55           | 11 <b>II</b> 8 | 10°57           | 11°15          | 18° 0         | 27°26  | 17°43          | 17°49          | 19°58                      | 0°26          | 21°57           | 21°59          | 16°11          | 7°34  | S 20 |
| S 21 | 21 54 38 | 27°16'42           | 25°23          | 10°24           | 12°19          | 18°38         | 27°18  | 17°41          | 17°49          | 20° 0                      | 0°27          | 21°55           | 21°56          | 16°18          | 7°39  | S 21 |
| M22  | 21 58 34 | 28°14'31           | 9 <b>9</b> 57  | 9°46            | 13°23          | 19°17         | 27°10  | 17°38          | 17°49          | 20° 2                      | 0°29          | 21°51           | 21°53          | 16°25          | 7°43  | M22  |
| T 23 | 22 2 31  | 29°12'21           | 24°45          | 9° 4            | 14°27          | 19°55         | 27° 2  | 17°36          | 17°49          | 20° 4                      | 0°30          | 21°44           | 21°49          | 16°31          | 7°47  | T 23 |
| W24  | 22 6 27  | 0 <b>m</b> y 10'13 | 9 <b>Ω</b> 41  | 8°17            | 15°31          | 20°33         | 26°54  | 17°34          | 17°R49         | 20° 6                      | 0°32          | 21°34           | 21°46          | 16°38          | 7°52  | W24  |
| T 25 | 22 10 24 | 1° 8'06            | 24°37          | 7°27            | 16°35          | 21°11         | 26°46  | 17°31          | 17°49          | 20° 8                      | 0°33          | 21°23           | 21°43          | 16°45          | 7°56  | T 25 |
| F 26 | 22 14 21 | 2° 6'01            | 9 <b>₥</b> 23  | 6°34            | 17°38          | 21°50         | 26°38  | 17°29          | 17°49          | 20°11                      | 0°35          | 21°12           | 21°40          | 16°52          | 8° 0  | F 26 |
| S 27 | 22 18 17 | 3° 3'58            | 23°50          | 5°39            | 18°41          | 22°28         | 26°31  | 17°26          | 17°49          | 20°13                      | 0°36          | 21° 2           | 21°37          | 16°58          | 8° 4  | S 27 |
| S 28 | 22 22 14 | 4° 1'55            | 7 <b>≙</b> 54  | 4°44            | 19°44          | 23° 6         | 26°23  | 17°24          | 17°49          | 20°15                      | 0°38          | 20°54           | 21°33          | 17° 5          | 8° 8  | S 28 |
| M29  | 22 26 10 | 4°59'55            | 21°30          | 3°49            | 20°46          | 23°44         | 26°15  | 17°21          | 17°48          | 20°17                      | 0°39          | 20°49           | 21°30          | 17°12          | 8°12  | M29  |
| T 30 | 22 30 7  | 5°57'55            | 4 <b>M</b> .39 | 2°56            | 21°49          | 24°23         | 26° 7  | 17°18          | 17°48          | 20°19                      | 0°41          | 20°46           | 21°27          | 17°18          | 8°16  | T 30 |
| W31  | 22 34 3  | 6 <b>m</b> 55'57   | 17 <b>M</b> 23 | 2MD 6           | 22 <b>≏</b> 51 | 25€ 1         | 26≈ 0  | 17 <b>Υ</b> 15 | 17 <b>8</b> 48 | 20 <b>M</b> 21             | 0 <b>Ω</b> 42 | 20°D45          | 21 <b>M</b> 24 | 17 <b>る</b> 25 | 89520 | W31  |

Delta T = 24.11 sec

SEPTEMBER 1938 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ               | φ              | ♂ <sup>™</sup> | 4      | ħ              | )Å(            | 并              | Р             | ß               | v              | ţ              | ę,    | Day  |
|------|----------|------------------|-----------------|-----------------|----------------|----------------|--------|----------------|----------------|----------------|---------------|-----------------|----------------|----------------|-------|------|
| T 1  | 22 38 0  | 7 <b>m</b> 54'00 | 29M46           | 1°R20           | 23 <b>£</b> 52 | 25 <b>Ω</b> 39 | 25°R52 | 17°R12         | 17°R47         | 20 <b>m</b> 23 | 0 <b>Ω</b> 43 | 20 <b>M</b> 45  | 21M21          | 17 <b>る</b> 32 | 8924  | T 1  |
| F 2  | 22 41 56 | 8°52'05          | 11 <b>×</b> 753 | 0 <b>m</b> 39   | 24°54          | 26°17          | 25≈45  | 17 <b>Ƴ</b> 9  | 17847          | 20°26          | 0°45          | 20°R45          | 21°18          | 17°38          | 8°27  | F 2  |
| S 3  | 22 45 53 | 9°50'11          | 23°49           | 0° 4            | 25°55          | 26°55          | 25°37  | 17° 6          | 17°47          | 20°28          | 0°46          | 20°44           | 21°14          | 17°45          | 8°31  | S 3  |
| S 4  | 22 49 50 | 10°48'19         | 5 <b>云</b> 40   | 29€36           | 26°56          | 27°33          | 25°30  | 17° 2          | 17°46          | 20°30          | 0°47          | 20°41           | 21°11          | 17°52          | 8°35  | S 4  |
| M 5  | 22 53 46 | 11°46'28         | 17°31           | 29°15           | 27°56          | 28°11          | 25°23  | 16°59          | 17°45          | 20°32          | 0°49          | 20°36           | 21° 8          | 17°59          | 8°38  | M 5  |
| T 6  | 22 57 43 | 12°44'38         | 29°25           | 29° 3           | 28°56          | 28°50          | 25°15  | 16°56          | 17°45          | 20°34          | 0°50          | 20°28           | 21° 5          | 18° 5          | 8°42  | T 6  |
| W 7  | 23 1 39  | 13°42'50         | 11≈26           | 28°D59          | 29°56          | 29°28          | 25° 8  | 16°52          | 17°44          | 20°37          | 0°51          | 20°18           | 21° 2          | 18°12          | 8°45  | W 7  |
| T 8  | 23 5 36  | 14°41'04         | 23°36           | 29° 4           | 0 <b>M</b> .55 | 0 <b>m</b> ) 6 | 25° 1  | 16°49          | 17°43          | 20°39          | 0°53          | 20° 7           | 20°59          | 18°19          | 8°49  | T 8  |
| F 9  | 23 9 32  | 15°39'19         | 5 <b>)</b> 57   | 29°18           | 1°55           | 0°44           | 24°54  | 16°45          | 17°43          | 20°41          | 0°54          | 19°55           | 20°55          | 18°25          | 8°52  | F 9  |
| S 10 | 23 13 29 | 16°37'36         | 18°30           | 29°40           | 2°53           | 1°22           | 24°48  | 16°41          | 17°42          | 20°43          | 0°55          | 19°44           | 20°52          | 18°32          | 8°55  | S 10 |
| S 11 | 23 17 25 | 17°35'55         | 1 <b>Υ</b> 15   | 0 <b>m</b> y 12 | 3°51           | 2° 0           | 24°41  | 16°38          | 17°41          | 20°46          | 0°56          | 19°34           | 20°49          | 18°39          | 8°58  | S 11 |
| M12  | 23 21 22 | 18°34'16         | 14°11           | 0°52            | 4°49           | 2°38           | 24°34  | 16°34          | 17°40          | 20°48          | 0°58          | 19°27           | 20°46          | 18°45          | 9° 1  | M12  |
| T 13 | 23 25 18 | 19°32'38         | 27°18           | 1°41            | 5°47           | 3°16           | 24°28  | 16°30          | 17°39          | 20°50          | 0°59          | 19°22           | 20°43          | 18°52          | 9° 5  | T 13 |
| W14  | 23 29 15 | 20°31'03         | 10836           | 2°37            | 6°44           | 3°54           | 24°22  | 16°26          | 17°38          | 20°52          | 1° 0          | 19°20           | 20°39          | 18°59          | 9° 7  | W14  |
| T 15 | 23 33 12 | 21°29'30         | 24° 6           | 3°40            | 7°40           | 4°32           | 24°15  | 16°22          | 17°37          | 20°54          | 1° 1          | 19°D20          | 20°36          | 19° 6          | 9°10  | T 15 |
| F 16 | 23 37 8  | 22°27'59         | 7 <b>Ⅱ</b> 48   | 4°51            | 8°37           | 5°10           | 24° 9  | 16°18          | 17°36          | 20°57          | 1° 2          | 19°21           | 20°33          | 19°12          | 9°13  | F 16 |
| S 17 | 23 41 5  | 23°26'30         | 21°42           | 6° 7            | 9°32           | 5°48           | 24° 3  | 16°14          | 17°35          | 20°59          | 1° 3          | 19°R21          | 20°30          | 19°19          | 9°16  | S 17 |
| S 18 | 23 45 1  | 24°25'04         | 59649           | 7°29            | 10°27          | 6°26           | 23°58  | 16° 9          | 17°34          | 21° 1          | 1° 5          | 19°21           | 20°27          | 19°26          | 9°19  | S 18 |
| M19  | 23 48 58 | 25°23'40         | 20° 7           | 8°57            | 11°22          | 7° 4           | 23°52  | 16° 5          | 17°33          | 21° 3          | 1° 6          | 19°18           | 20°24          | 19°32          | 9°21  | M19  |
| T 20 | 23 52 54 | 26°22'17         | 4€34            | 10°28           | 12°16          | 7°42           | 23°46  | 16° 1          | 17°31          | 21° 6          | 1° 7          | 19°14           | 20°20          | 19°39          | 9°24  | T 20 |
| W21  | 23 56 51 | 27°20'57         | 19° 6           | 12° 3           | 13°10          | 8°20           | 23°41  | 15°57          | 17°30          | 21° 8          | 1° 8          | 19° 7           | 20°17          | 19°46          | 9°26  | W21  |
| T 22 | 0 0 47   | 28°19'40         | 3 <b>m</b> 37   | 13°42           | 14° 3          | 8°58           | 23°36  | 15°52          | 17°29          | 21°10          | 1° 9          | 18°59           | 20°14          | 19°52          | 9°29  | T 22 |
| F 23 | 0 4 44   | 29°18'24         | 18° 0           | 15°23           | 14°55          | 9°36           | 23°31  | 15°48          | 17°27          | 21°12          | 1°10          | 18°51           | 20°11          | 19°59          | 9°31  | F 23 |
| S 24 | 0 8 41   | 0 <b>≏</b> 17'10 | 2 <b>₾</b> 9    | 17° 7           | 15°47          | 10°14          | 23°26  | 15°43          | 17°26          | 21°14          | 1°11          | 18°44           | 20° 8          | 20° 6          | 9°33  | S 24 |
| S 25 | 0 12 37  | 1°15'58          | 16° 0           | 18°52           | 16°38          | 10°52          | 23°21  | 15°39          | 17°24          | 21°17          | 1°12          | 18°38           | 20° 4          | 20°13          | 9°35  | S 25 |
| M26  | 0 16 34  | 2°14'48          | 29°29           | 20°38           | 17°29          | 11°30          | 23°17  | 15°34          | 17°23          | 21°19          | 1°13          | 18°34           | 20° 1          | 20°19          | 9°37  | M26  |
| T 27 | 0 20 30  | 3°13'40          | 12 <b>M</b> .34 | 22°26           | 18°19          | 12° 8          | 23°12  | 15°30          | 17°21          | 21°21          | 1°14          | 18°D32          | 19°58          | 20°26          | 9°39  | T 27 |
| W28  | 0 24 27  | 4°12'34          | 25°18           | 24°14           | 19° 8          | 12°46          | 23° 8  | 15°25          | 17°20          | 21°23          | 1°14          | 18°32           | 19°55          | 20°33          | 9°41  | W28  |
| T 29 | 0 28 23  | 5°11'30          | 7 <b>×7</b> 42  | 26° 3           | 19°56          | 13°24          | 23° 4  | 15°21          | 17°18          | 21°25          | 1°15          | 18°33           | 19°52          | 20°39          | 9°43  | T 29 |
| F 30 | 0 32 20  | 6 <b>₽</b> 10'27 | 19 <b>×</b> 751 | 27 <b>m</b> 52  | 20 <b>M</b> 44 | 14MD 2         | 23≈ 0  | 15 <b>Y</b> 16 | 17 <b>8</b> 16 | 21 Mp 28       | 1 <b>N</b> 16 | 18 <b>M</b> .35 | 19 <b>M</b> 49 | 20 <b>궁</b> 46 | 99645 | F 30 |

Delta T = 24.12 sec

OCTOBER 1938 00:00 UT

| Day  | Sid.t   | $\odot$          | D             | φ               | ·              | o <sup>7</sup> | 4      | ħ              | )ұ(            | ¥              | 2             | ß               | Ω               | ţ              | Š      | Day  |
|------|---------|------------------|---------------|-----------------|----------------|----------------|--------|----------------|----------------|----------------|---------------|-----------------|-----------------|----------------|--------|------|
| S 1  | 0 36 16 | 7 <b>요</b> 9'27  | 1 <b>3</b> 49 | 29 Mp 40        | 21 <b>M</b> 30 | 14 Mp 40       | 22°R57 | 15°R11         | 17°R15         | 21 <b>m</b> 30 | 1 <b>Ω</b> 17 | 18°R36          | 19 <b>M</b> 45  | 20 <b>궁</b> 53 | 99647  | S 1  |
| S 2  | 0 40 13 | 8° 8'28          | 13°42         | 1 <b>≏</b> 29   | 22°16          | 15°18          | 22≈53  | 15 <b>℃</b> 7  | 17 <b>8</b> 13 | 21°32          | 1°18          | 18 <b>M</b> .36 | 19°42           | 21° 0          | 9°48   | S 2  |
| M 3  | 0 44 10 | 9° 7'30          | 25°33         | 3°17            | 23° 1          | 15°56          | 22°50  | 15° 2          | 17°11          | 21°34          | 1°19          | 18°34           | 19°39           | 21° 6          | 9°50   | M 3  |
| T 4  | 0 48 6  | 10° 6'35         | 7≈29          | 5° 5            | 23°46          | 16°34          | 22°47  | 14°57          | 17° 9          | 21°36          | 1°19          | 18°31           | 19°36           | 21°13          | 9°51   | T 4  |
| W 5  | 0 52 3  | 11° 5'41         | 19°34         | 6°53            | 24°29          | 17°12          | 22°44  | 14°53          | 17° 8          | 21°38          | 1°20          | 18°26           | 19°33           | 21°20          | 9°53   | W 5  |
| T 6  | 0 55 59 | 12° 4'49         | 1 <b>米</b> 50 | 8°40            | 25°11          | 17°50          | 22°41  | 14°48          | 17° 6          | 21°40          | 1°21          | 18°21           | 19°30           | 21°26          | 9°54   | T 6  |
| F 7  | 0 59 56 | 13° 3'59         | 14°20         | 10°26           | 25°52          | 18°28          | 22°39  | 14°43          | 17° 4          | 21°43          | 1°22          | 18°14           | 19°26           | 21°33          | 9°55   | F 7  |
| S 8  | 1 3 52  | 14° 3'11         | 27° 6         | 12°11           | 26°32          | 19° 6          | 22°36  | 14°39          | 17° 2          | 21°45          | 1°22          | 18° 8           | 19°23           | 21°40          | 9°56   | S 8  |
| S 9  | 1 7 49  | 15° 2'25         | 10 <b>Y</b> 8 | 13°56           | 27°11          | 19°44          | 22°34  | 14°34          | 17° 0          | 21°47          | 1°23          | 18° 3           | 19°20           | 21°46          | 9°57   | S 9  |
| M10  | 1 11 45 | 16° 1'41         | 23°26         | 15°40           | 27°49          | 20°22          | 22°32  | 14°29          | 16°58          | 21°49          | 1°23          | 18° 0           | 19°17           | 21°53          | 9°58   | M10  |
| T 11 | 1 15 42 | 17° 0'58         | 6 <b>8</b> 57 | 17°24           | 28°25          | 21° 0          | 22°30  | 14°24          | 16°56          | 21°51          | 1°24          | 17°58           | 19°14           | 22° 0          | 9°59   | T 11 |
| W12  | 1 19 38 | 18° 0'18         | 20°40         | 19° 7           | 29° 0          | 21°38          | 22°29  | 14°20          | 16°54          | 21°53          | 1°25          | 17°D57          | 19°10           | 22° 7          | 10° 0  | W12  |
| T 13 | 1 23 35 | 18°59'41         | 4 <b>Ⅱ</b> 33 | 20°49           | 29°34          | 22°15          | 22°27  | 14°15          | 16°52          | 21°55          | 1°25          | 17°58           | 19° 7           | 22°13          | 10° 0  | T 13 |
| F 14 | 1 27 32 | 19°59'05         | 18°33         | 22°30           | 0 <b>,</b> ₹ 7 | 22°53          | 22°26  | 14°10          | 16°50          | 21°57          | 1°26          | 17°59           | 19° 4           | 22°20          | 10° 1  | F 14 |
| S 15 | 1 31 28 | 20°58'32         | 2938          | 24°10           | 0°38           | 23°31          | 22°25  | 14° 6          | 16°47          | 21°59          | 1°26          | 18° 1           | 19° 1           | 22°27          | 10° 1  | S 15 |
| S 16 | 1 35 25 | 21°58'02         | 16°48         | 25°50           | 1° 8           | 24° 9          | 22°25  | 14° 1          | 16°45          | 22° 1          | 1°27          | 18°R 2          | 18°58           | 22°33          | 10° 2  | S 16 |
| M17  | 1 39 21 | 22°57'33         | 0 <b>Ω</b> 59 | 27°29           | 1°36           | 24°47          | 22°24  | 13°56          | 16°43          | 22° 3          | 1°27          | 18° 2           | 18°55           | 22°40          | 10° 2  | M17  |
| T 18 | 1 43 18 | 23°57'07         | 15°11         | 29° 8           | 2° 3           | 25°25          | 22°24  | 13°52          | 16°41          | 22° 5          | 1°28          | 18° 0           | 18°51           | 22°47          | 10° 3  | T 18 |
| W19  | 1 47 14 | 24°56'43         | 29°20         | 0 <b>M</b> .46  | 2°27           | 26° 3          | 22°D24 | 13°47          | 16°39          | 22° 7          | 1°28          | 17°58           | 18°48           | 22°54          | 10° 3  | W19  |
| T 20 | 1 51 11 | 25°56'22         | 13 Mp 23      | 2°23            | 2°51           | 26°41          | 22°24  | 13°42          | 16°36          | 22° 9          | 1°28          | 17°55           | 18°45           | 23° 0          | 10°R 3 | T 20 |
| F 21 | 1 55 7  | 26°56'02         | 27°17         | 4° 0            | 3°12           | 27°19          | 22°24  | 13°38          | 16°34          | 22°11          | 1°29          | 17°52           | 18°42           | 23° 7          | 10° 3  | F 21 |
| S 22 | 1 59 4  | 27°55'45         | 11 <b>♀</b> 0 | 5°36            | 3°32           | 27°56          | 22°24  | 13°33          | 16°32          | 22°13          | 1°29          | 17°49           | 18°39           | 23°14          | 10° 3  | S 22 |
| S 23 | 2 3 1   | 28°55'30         | 24°28         | 7°11            | 3°50           | 28°34          | 22°25  | 13°29          | 16°29          | 22°15          | 1°29          | 17°47           | 18°36           | 23°20          | 10° 3  | S 23 |
| M24  | 2 6 57  | 29°55'17         | 7 <b>™</b> 40 | 8°46            | 4° 5           | 29°12          | 22°26  | 13°24          | 16°27          | 22°16          | 1°29          | 17°46           | 18°32           | 23°27          | 10° 2  | M24  |
| T 25 | 2 10 54 | 0 <b>M</b> 55'05 | 20°34         | 10°21           | 4°19           | 29°50          | 22°27  | 13°20          | 16°25          | 22°18          | 1°30          | 17°D45          | 18°29           | 23°34          | 10° 2  | T 25 |
| W26  | 2 14 50 | 1°54'56          | 3 <b>√</b> 11 | 11°54           | 4°31           | 0 <u>ჲ</u> 28  | 22°28  | 13°16          | 16°22          | 22°20          | 1°30          | 17°46           | 18°26           | 23°40          | 10° 1  | W26  |
| T 27 | 2 18 47 | 2°54'49          | 15°32         | 13°28           | 4°41           | 1° 6           | 22°30  | 13°11          | 16°20          | 22°22          | 1°30          | 17°47           | 18°23           | 23°47          | 10° 1  | T 27 |
| F 28 | 2 22 43 | 3°54'43          | 27°40         | 15° 1           | 4°48           | 1°44           | 22°31  | 13° 7          | 16°17          | 22°24          | 1°30          | 17°48           | 18°20           | 23°54          | 10° 0  | F 28 |
| S 29 | 2 26 40 | 4°54'39          | 9 <b>궁</b> 39 | 16°33           | 4°53           | 2°21           | 22°33  | 13° 3          | 16°15          | 22°25          | 1°30          | 17°50           | 18°16           | 24° 1          | 10° 0  | S 29 |
| S 30 | 2 30 36 | 5°54'37          | 21°32         | 18° 5           | 4°56           | 2°59           | 22°35  | 12°59          | 16°13          | 22°27          | 1°31          | 17°51           | 18°13           | 24° 7          | 9°59   | S 30 |
| M31  | 2 34 33 | 6M54'36          | 3≈24          | 19 <b>M</b> .36 | 4°R56          | 3 <b>₾</b> 37  | 22≈38  | 12 <b>Y</b> 55 | 16810          | 22 <b>m</b> 29 | 1 <b>N</b> 31 | 17°R51          | 18 <b>M</b> .10 | 24 <b>궁</b> 14 | 9958   | M31  |

Delta T = 24.13 sec

NOVEMBER 1938 00:00 UT

| Day  | Sid.t   | 0                  | D              | ğ             | φ               | ♂              | 4     | ħ              | )Å(            | ¥       | Р             | n              | v             | Ç              | Q<br>K | Day  |
|------|---------|--------------------|----------------|---------------|-----------------|----------------|-------|----------------|----------------|---------|---------------|----------------|---------------|----------------|--------|------|
| T 1  | 2 38 30 | 7 <b>11</b> L54'37 | 15≈19          | 21 <b>m</b> 7 | 4°R54           | 4 <b>Ω</b> 15  | 22≈40 | 12°R50         | 16°R 8         | 22 m/31 | 1 <b>Ω</b> 31 | 17°R51         | 18 <b>ጤ</b> 7 | 24 <b>궁</b> 21 | 9°R57  | T 1  |
| W 2  | 2 42 26 | 8°54'39            | 27°23          | 22°37         | 4 <b>₹</b> 50   | 4°53           | 22°43 | 12 <b>Y</b> 46 | 16 <b>8</b> 5  | 22°32   | 1°31          | 17 <b>M</b> 50 | 18° 4         | 24°27          | 9956   | W 2  |
| T 3  | 2 46 23 | 9°54'43            | 9 <b>)(</b> 40 | 24° 7         | 4°43            | 5°31           | 22°46 | 12°43          | 16° 3          | 22°34   | 1°R31         | 17°50          | 18° 1         | 24°34          | 9°55   | T 3  |
| F 4  | 2 50 19 | 10°54'49           | 22°13          | 25°36         | 4°34            | 6° 8           | 22°49 | 12°39          | 16° 0          | 22°35   | 1°31          | 17°49          | 17°57         | 24°41          | 9°54   | F 4  |
| S 5  | 2 54 16 | 11°54'56           | 5 <b>Υ</b> 6   | 27° 5         | 4°22            | 6°46           | 22°52 | 12°35          | 15°58          | 22°37   | 1°31          | 17°48          | 17°54         | 24°48          | 9°52   | S 5  |
| S 6  | 2 58 12 | 12°55'05           | 18°19          | 28°34         | 4° 8            | 7°24           | 22°55 | 12°31          | 15°55          | 22°39   | 1°31          | 17°47          | 17°51         | 24°54          | 9°51   | S 6  |
| M 7  | 3 2 9   | 13°55'16           | 1 <b>8</b> 54  | 0 <b>,₹</b> 2 | 3°51            | 8° 2           | 22°59 | 12°27          | 15°53          | 22°40   | 1°30          | 17°47          | 17°48         | 25° 1          | 9°50   | M 7  |
| T 8  | 3 6 5   | 14°55'28           | 15°48          | 1°29          | 3°32            | 8°39           | 23° 3 | 12°24          | 15°50          | 22°42   | 1°30          | 17°D47         | 17°45         | 25° 8          | 9°48   | T 8  |
| W 9  | 3 10 2  | 15°55'42           | 29°58          | 2°56          | 3°11            | 9°17           | 23° 7 | 12°20          | 15°48          | 22°43   | 1°30          | 17°47          | 17°41         | 25°14          | 9°47   | W 9  |
| T 10 | 3 13 59 | 16°55'58           | 14∏20          | 4°22          | 2°48            | 9°55           | 23°11 | 12°17          | 15°45          | 22°45   | 1°30          | 17°47          | 17°38         | 25°21          | 9°45   | T 10 |
| F 11 | 3 17 55 | 17°56'16           | 28°48          | 5°48          | 2°22            | 10°33          | 23°15 | 12°13          | 15°43          | 22°46   | 1°30          | 17°R47         | 17°35         | 25°28          | 9°43   | F 11 |
| S 12 | 3 21 52 | 18°56'36           | 139517         | 7°13          | 1°55            | 11°11          | 23°20 | 12°10          | 15°40          | 22°48   | 1°30          | 17°47          | 17°32         | 25°35          | 9°41   | S 12 |
| S 13 | 3 25 48 | 19°56'58           | 27°43          | 8°37          | 1°26            | 11°48          | 23°25 | 12° 7          | 15°38          | 22°49   | 1°29          | 17°47          | 17°29         | 25°41          | 9°39   | S 13 |
| M14  | 3 29 45 | 20°57'22           | 12 <b>N</b> 0  | 10° 0         | 0°55            | 12°26          | 23°30 | 12° 4          | 15°36          | 22°50   | 1°29          | 17°46          | 17°26         | 25°48          | 9°37   | M14  |
| T 15 | 3 33 41 | 21°57'47           | 26° 8          | 11°23         | 0°22            | 13° 4          | 23°35 | 12° 1          | 15°33          | 22°52   | 1°29          | 17°D46         | 17°22         | 25°55          | 9°35   | T 15 |
| W16  | 3 37 38 | 22°58'15           | 10 <b>m</b> 3  | 12°44         | 29 <b>IL</b> 49 | 13°42          | 23°40 | 11°58          | 15°31          | 22°53   | 1°28          | 17°47          | 17°19         | 26° 1          | 9°33   | W16  |
| T 17 | 3 41 34 | 23°58'44           | 23°46          | 14° 4         | 29°14           | 14°19          | 23°45 | 11°55          | 15°28          | 22°54   | 1°28          | 17°47          | 17°16         | 26° 8          | 9°31   | T 17 |
| F 18 | 3 45 31 | 24°59'15           | 7 <b>≏</b> 15  | 15°24         | 28°39           | 14°57          | 23°51 | 11°52          | 15°26          | 22°56   | 1°28          | 17°48          | 17°13         | 26°15          | 9°29   | F 18 |
| S 19 | 3 49 28 | 25°59'48           | 20°31          | 16°41         | 28° 3           | 15°35          | 23°57 | 11°49          | 15°23          | 22°57   | 1°27          | 17°48          | 17°10         | 26°22          | 9°26   | S 19 |
| S 20 | 3 53 24 | 27° 0'23           | 3 <b>M</b> .33 | 17°58         | 27°27           | 16°13          | 24° 3 | 11°47          | 15°21          | 22°58   | 1°27          | 17°49          | 17° 7         | 26°28          | 9°24   | S 20 |
| M21  | 3 57 21 | 28° 0'59           | 16°23          | 19°12         | 26°50           | 16°50          | 24° 9 | 11°44          | 15°18          | 22°59   | 1°26          | 17°R49         | 17° 3         | 26°35          | 9°21   | M21  |
| T 22 | 4 1 17  | 29° 1'37           | 28°59          | 20°24         | 26°14           | 17°28          | 24°15 | 11°42          | 15°16          | 23° 0   | 1°26          | 17°49          | 17° 0         | 26°42          | 9°19   | T 22 |
| W23  | 4 5 14  | 0 <b>才</b> 2'16    | 11 <b>×</b> 24 | 21°35         | 25°38           | 18° 6          | 24°22 | 11°39          | 15°14          | 23° 2   | 1°25          | 17°48          | 16°57         | 26°48          | 9°16   | W23  |
| T 24 | 4 9 10  | 1° 2'57            | 23°38          | 22°42         | 25° 3           | 18°44          | 24°28 | 11°37          | 15°11          | 23° 3   | 1°25          | 17°47          | 16°54         | 26°55          | 9°13   | T 24 |
| F 25 | 4 13 7  | 2° 3'39            | 5 <b>七</b> 42  | 23°47         | 24°29           | 19°21          | 24°35 | 11°35          | 15° 9          | 23° 4   | 1°24          | 17°45          | 16°51         | 27° 2          | 9°10   | F 25 |
| S 26 | 4 17 3  | 3° 4'22            | 17°39          | 24°48         | 23°56           | 19°59          | 24°42 | 11°33          | 15° 7          | 23° 5   | 1°24          | 17°42          | 16°47         | 27° 9          | 9° 8   | S 26 |
| S 27 | 4 21 0  | 4° 5'07            | 29°31          | 25°45         | 23°24           | 20°37          | 24°49 | 11°31          | 15° 4          | 23° 6   | 1°23          | 17°40          | 16°44         | 27°15          | 9° 5   | S 27 |
| M28  | 4 24 57 | 5° 5'52            | 11≈22          | 26°38         | 22°53           | 21°14          | 24°57 | 11°29          | 15° 2          | 23° 7   | 1°22          | 17°38          | 16°41         | 27°22          | 9° 2   | M28  |
| T 29 | 4 28 53 | 6° 6'39            | 23°16          | 27°26         | 22°25           | 21°52          | 25° 4 | 11°27          | 15° 0          | 23° 8   | 1°22          | 17°36          | 16°38         | 27°29          | 8°59   | T 29 |
| W30  | 4 32 50 | 7 <b>.₹</b> 7'26   | 5 <b>)</b> 17  | 28 <b>×</b> 8 | 21 <b>M</b> 58  | 22 <b>॒</b> 30 | 25≈12 | 11 <b>Y</b> 26 | 14 <b>8</b> 57 | 23 Mp 8 | 1 <b>N</b> 21 | 17°D36         | 16MJ35        | 27 <b>る</b> 35 | 8956   | W30  |

Delta T = 24.15 sec

DECEMBER 1938 00:00 UT

| Day  | Sid.t   | 0                | D               | ğ                           | φ               | ♂              | 4               | ħ              | ነ <b>∜</b>     | ¥              | Р             | R               | Ω              | Ç              | Š              | Day  |
|------|---------|------------------|-----------------|-----------------------------|-----------------|----------------|-----------------|----------------|----------------|----------------|---------------|-----------------|----------------|----------------|----------------|------|
| T 1  | 4 36 46 | 8 <b>才</b> 8'14  | 17 <b>)</b> (29 | 28 <b>×</b> <sup>7</sup> 43 | 21°R33          | 23 <b>으</b> 7  | 25≈19           | 11°R24         | 14°R55         | 23 mg 9        | 1°R20         | 17 <b>M</b> .36 | 16MJ32         | 27 <b>る</b> 42 | 8°R52          | T 1  |
| F 2  | 4 40 43 | 9° 9'03          | 29°59           | 29°12                       | 21 <b>M</b> .11 | 23°45          | 25°27           | 11 <b>Y</b> 23 | 14 <b>8</b> 53 | 23°10          | $1\Omega 20$  | 17°37           | 16°28          | 27°49          | 8 <b>9</b> 549 | F 2  |
| S 3  | 4 44 39 | 10° 9'54         | 12 <b>Y</b> 49  | 29°32                       | 20°50           | 24°23          | 25°35           | 11°21          | 14°51          | 23°11          | 1°19          | 17°39           | 16°25          | 27°56          | 8°46           | S 3  |
| S 4  | 4 48 36 | 11°10'45         | 26° 3           | 29°44                       | 20°32           | 25° 0          | 25°44           | 11°20          | 14°49          | 23°12          | 1°18          | 17°40           | 16°22          | 28° 2          | 8°43           | S 4  |
| M 5  | 4 52 32 | 12°11'36         | 9 <b>8</b> 43   | 29°R46                      | 20°16           | 25°38          | 25°52           | 11°19          | 14°46          | 23°12          | 1°17          | 17°41           | 16°19          | 28° 9          | 8°39           | M 5  |
| T 6  | 4 56 29 | 13°12'29         | 23°49           | 29°38                       | 20° 3           | 26°15          | 26° 0           | 11°18          | 14°44          | 23°13          | 1°17          | 17°R41          | 16°16          | 28°16          | 8°36           | T 6  |
| W 7  | 5 0 26  | 14°13'23         | 8 <b>Ⅱ</b> 18   | 29°18                       | 19°52           | 26°53          | 26° 9           | 11°17          | 14°42          | 23°14          | 1°16          | 17°40           | 16°13          | 28°22          | 8°32           | W 7  |
| T 8  | 5 4 22  | 15°14'18         | 23° 5           | 28°47                       | 19°44           | 27°31          | 26°18           | 11°16          | 14°40          | 23°15          | 1°15          | 17°37           | 16° 9          | 28°29          | 8°29           | T 8  |
| F 9  | 5 8 19  | 16°15'14         | 8 <b>95</b> 2   | 28° 5                       | 19°38           | 28° 8          | 26°27           | 11°16          | 14°38          | 23°15          | 1°14          | 17°34           | 16° 6          | 28°36          | 8°25           | F 9  |
| S 10 | 5 12 15 | 17°16'11         | 23° 0           | 27°12                       | 19°35           | 28°46          | 26°36           | 11°15          | 14°36          | 23°16          | 1°13          | 17°29           | 16° 3          | 28°43          | 8°22           | S 10 |
| S 11 | 5 16 12 | 18°17'09         | 7 <b>Ω</b> 50   | 26° 9                       | 19°D34          | 29°23          | 26°45           | 11°15          | 14°34          | 23°16          | 1°12          | 17°25           | 16° 0          | 28°49          | 8°18           | S 11 |
| M12  | 5 20 8  | 19°18'08         | 22°27           | 24°58                       | 19°36           | 0 <b>M</b> 1   | 26°54           | 11°14          | 14°32          | 23°17          | 1°11          | 17°21           | 15°57          | 28°56          | 8°15           | M12  |
| T 13 | 5 24 5  | 20°19'08         | 6 <b>M</b> p44  | 23°40                       | 19°40           | 0°38           | 27° 4           | 11°14          | 14°30          | 23°17          | 1°10          | 17°19           | 15°53          | 29° 3          | 8°11           | T 13 |
| W14  | 5 28 1  | 21°20'09         | 20°40           | 22°18                       | 19°46           | 1°16           | 27°13           | 11°14          | 14°29          | 23°18          | 1° 9          | 17°D18          | 15°50          | 29° 9          | 8° 7           | W14  |
| T 15 | 5 31 58 | 22°21'11         | 4 <b>₽</b> 14   | 20°55                       | 19°55           | 1°54           | 27°23           | 11°D14         | 14°27          | 23°18          | 1° 8          | 17°19           | 15°47          | 29°16          | 8° 3           | T 15 |
| F 16 | 5 35 55 | 23°22'14         | 17°28           | 19°34                       | 20° 6           | 2°31           | 27°33           | 11°14          | 14°25          | 23°18          | 1° 7          | 17°20           | 15°44          | 29°23          | 7°59           | F 16 |
| S 17 | 5 39 51 | 24°23'19         | 0 <b>M</b> 25   | 18°17                       | 20°19           | 3° 9           | 27°43           | 11°14          | 14°23          | 23°19          | 1° 6          | 17°22           | 15°41          | 29°30          | 7°56           | S 17 |
| S 18 | 5 43 48 | 25°24'24         | 13° 7           | 17° 6                       | 20°35           | 3°46           | 27°53           | 11°14          | 14°22          | 23°19          | 1° 5          | 17°R23          | 15°38          | 29°36          | 7°52           | S 18 |
| M19  | 5 47 44 | 26°25'30         | 25°37           | 16° 4                       | 20°52           | 4°24           | 28° 3           | 11°15          | 14°20          | 23°19          | 1° 4          | 17°23           | 15°34          | 29°43          | 7°48           | M19  |
| T 20 | 5 51 41 | 27°26'37         | 7 <b>.</b> ₹56  | 15°12                       | 21°11           | 5° 1           | 28°13           | 11°15          | 14°18          | 23°20          | 1° 3          | 17°20           | 15°31          | 29°50          | 7°44           | T 20 |
| W21  | 5 55 37 | 28°27'44         | 20° 7           | 14°30                       | 21°33           | 5°39           | 28°24           | 11°16          | 14°17          | 23°20          | 1° 2          | 17°16           | 15°28          | 29°57          | 7°40           | W21  |
| T 22 | 5 59 34 | 29°28'52         | 2 <b>ਰ</b> 11   | 13°59                       | 21°56           | 6°16           | 28°34           | 11°17          | 14°15          | 23°20          | 1° 1          | 17°10           | 15°25          | 0≈ 3           | 7°36           | T 22 |
| F 23 | 6 3 30  | 0 <b>ට</b> 30'00 | 14° 9           | 13°39                       | 22°21           | 6°53           | 28°45           | 11°17          | 14°14          | 23°20          | 1° 0          | 17° 2           | 15°22          | 0°10           | 7°32           | F 23 |
| S 24 | 6 7 27  | 1°31'09          | 26° 3           | 13°D29                      | 22°48           | 7°31           | 28°56           | 11°18          | 14°12          | 23°20          | 0°59          | 16°53           | 15°19          | 0°17           | 7°28           | S 24 |
| S 25 | 6 11 24 | 2°32'18          | 7≈55            | 13°30                       | 23°16           | 8° 8           | 29° 7           | 11°19          | 14°11          | 23°20          | 0°58          | 16°43           | 15°15          | 0°23           | 7°24           | S 25 |
| M26  | 6 15 20 | 3°33'27          | 19°46           | 13°39                       | 23°46           | 8°46           | 29°18           | 11°21          | 14° 9          | 23°R20         | 0°57          | 16°35           | 15°12          | 0°30           | 7°20           | M26  |
| T 27 | 6 19 17 | 4°34'36          | 1 <b>) (</b> 39 | 13°57                       | 24°18           | 9°23           | 29°29           | 11°22          | 14° 8          | 23°20          | 0°55          | 16°28           | 15° 9          | 0°37           | 7°16           | T 27 |
| W28  | 6 23 13 | 5°35'46          | 13°38           | 14°23                       | 24°51           | 10° 0          | 29°40           | 11°23          | 14° 7          | 23°20          | 0°54          | 16°23           | 15° 6          | 0°44           | 7°12           | W28  |
| T 29 | 6 27 10 | 6°36'55          | 25°47           | 14°55                       | 25°26           | 10°38          | 29°51           | 11°25          | 14° 5          | 23°20          | 0°53          | 16°20           | 15° 3          | 0°50           | 7° 8           | T 29 |
| F 30 | 631 6   | 7°38'04          | 8 <b>Y</b> 10   | 15°34                       | 26° 2           | 11°15          | 0 <b>)</b> 3    | 11°26          | 14° 4          | 23°20          | 0°52          | 16°D20          | 14°59          | 0°57           | 7° 4           | F 30 |
| S 31 | 6 35 3  | 8 <b>ට</b> 39'13 | 20 <b>Y</b> 53  | 16 <b>∡</b> 18              | 26M39           | 11 <b>M</b> 52 | 0 <b>) (</b> 14 | 11 <b>Y</b> 28 | 14 <b>8</b> 3  | 23 <b>m</b> 20 | 0 <b>Ω</b> 51 | 16ML20          | 14 <b>M</b> 56 | 1≈ 4           | 7 <b>95</b> 0  | S 31 |

Delta T = 24.16 sec

JANUARY 1939 00:00 UT

| Day  | Sid.t   | 0                | D               | ğ              | φ              | ď               | 4             | ħ              | )Å(            | ¥              | Р             | ₽.             | Ω               | Ç    | o<br>k | Day  |
|------|---------|------------------|-----------------|----------------|----------------|-----------------|---------------|----------------|----------------|----------------|---------------|----------------|-----------------|------|--------|------|
| S 1  | 6 38 59 | 9 <b>ට</b> 40'22 | 3 <b>8</b> 59   | 17 <b>√</b> 7  | 27 <b>M</b> 18 | 12 <b>M</b> .30 | 0 <b>∺</b> 26 | 11 <b>Y</b> 30 | 14°R 2         | 23°R20         | 0°R49         | 16 <b>M</b> 21 | 14 <b>M</b> .53 | 1≈10 | 6°R56  | S 1  |
| M 2  | 6 42 56 | 10°41'31         | 17°33           | 18° 1          | 27°58          | 13° 7           | 0°37          | 11°32          | 148 1          | 23 <b>m</b> 19 | 0 <b>Ω</b> 48 | 16°R22         | 14°50           | 1°17 | 6952   | M 2  |
| T 3  | 6 46 53 | 11°42'40         | 1 <b>Ⅲ</b> 35   | 18°58          | 28°39          | 13°44           | 0°49          | 11°34          | 14° 0          | 23°19          | 0°47          | 16°21          | 14°47           | 1°24 | 6°48   | T 3  |
| W 4  | 6 50 49 | 12°43'48         | 16° 7           | 19°59          | 29°21          | 14°21           | 1° 1          | 11°36          | 13°59          | 23°19          | 0°46          | 16°17          | 14°44           | 1°31 | 6°44   | W 4  |
| T 5  | 6 54 46 | 13°44'57         | 195 3           | 21° 3          | 0 <b>,₹</b> 4  | 14°58           | 1°13          | 11°38          | 13°58          | 23°19          | 0°44          | 16°12          | 14°40           | 1°37 | 6°40   | T 5  |
| F 6  | 6 58 42 | 14°46'05         | 16°15           | 22°10          | 0°48           | 15°36           | 1°25          | 11°41          | 13°57          | 23°18          | 0°43          | 16° 4          | 14°37           | 1°44 | 6°36   | F 6  |
| S 7  | 7 2 39  | 15°47'13         | 1 <b>Ω</b> 34   | 23°19          | 1°34           | 16°13           | 1°37          | 11°43          | 13°56          | 23°18          | 0°42          | 15°54          | 14°34           | 1°51 | 6°32   | S 7  |
| S 8  | 7 6 3 5 | 16°48'21         | 16°48           | 24°31          | 2°20           | 16°50           | 1°49          | 11°46          | 13°56          | 23°17          | 0°40          | 15°45          | 14°31           | 1°57 | 6°28   | S 8  |
| M 9  | 7 10 32 | 17°49'29         | 1 <b>m</b> 46   | 25°44          | 3° 7           | 17°27           | 2° 2          | 11°48          | 13°55          | 23°17          | 0°39          | 15°36          | 14°28           | 2° 4 | 6°24   | M 9  |
| T 10 | 7 14 29 | 18°50'37         | 16°21           | 26°59          | 3°55           | 18° 4           | 2°14          | 11°51          | 13°54          | 23°16          | 0°38          | 15°30          | 14°25           | 2°11 | 6°20   | T 10 |
| W11  | 7 18 25 | 19°51'45         | 0 <b>ჲ</b> 29   | 28°16          | 4°45           | 18°41           | 2°26          | 11°54          | 13°53          | 23°16          | 0°37          | 15°26          | 14°21           | 2°18 | 6°16   | W11  |
| T 12 | 7 22 22 | 20°52'53         | 14° 8           | 29°34          | 5°34           | 19°18           | 2°39          | 11°57          | 13°53          | 23°15          | 0°35          | 15°24          | 14°18           | 2°24 | 6°12   | T 12 |
| F 13 | 7 26 18 | 21°54'01         | 27°21           | 0 <b>궁</b> 53  | 6°25           | 19°56           | 2°52          | 12° 0          | 13°52          | 23°15          | 0°34          | 15°D24         | 14°15           | 2°31 | 6° 8   | F 13 |
| S 14 | 7 30 15 | 22°55'09         | 10 <b>M</b> .11 | 2°14           | 7°17           | 20°33           | 3° 4          | 12° 3          | 13°52          | 23°14          | 0°33          | 15°R24         | 14°12           | 2°38 | 6° 5   | S 14 |
| S 15 | 7 34 11 | 23°56'16         | 22°43           | 3°36           | 8° 9           | 21°10           | 3°17          | 12° 6          | 13°51          | 23°14          | 0°31          | 15°24          | 14° 9           | 2°45 | 6° 1   | S 15 |
| M16  | 7 38 8  | 24°57'24         | 5 <b>√</b> 1    | 4°58           | 9° 2           | 21°47           | 3°30          | 12° 9          | 13°51          | 23°13          | 0°30          | 15°22          | 14° 5           | 2°51 | 5°57   | M16  |
| T 17 | 7 42 4  | 25°58'31         | 17° 8           | 6°22           | 9°55           | 22°24           | 3°43          | 12°13          | 13°51          | 23°12          | 0°29          | 15°18          | 14° 2           | 2°58 | 5°53   | T 17 |
| W18  | 7 46 1  | 26°59'38         | 29° 8           | 7°47           | 10°50          | 23° 1           | 3°56          | 12°16          | 13°51          | 23°11          | 0°27          | 15°10          | 13°59           | 3° 5 | 5°50   | W18  |
| T 19 | 7 49 58 | 28° 0'45         | 11중 4           | 9°12           | 11°44          | 23°37           | 4° 9          | 12°20          | 13°50          | 23°11          | 0°26          | 15° 0          | 13°56           | 3°11 | 5°46   | T 19 |
| F 20 | 7 53 54 | 29° 1'51         | 22°57           | 10°38          | 12°40          | 24°14           | 4°22          | 12°24          | 13°50          | 23°10          | 0°25          | 14°47          | 13°53           | 3°18 | 5°42   | F 20 |
| S 21 | 7 57 51 | 0≈ 2'57          | 4≈49            | 12° 6          | 13°36          | 24°51           | 4°35          | 12°28          | 13°50          | 23° 9          | 0°23          | 14°33          | 13°50           | 3°25 | 5°39   | S 21 |
| S 22 | 8 1 47  | 1° 4'01          | 16°41           | 13°33          | 14°33          | 25°28           | 4°48          | 12°32          | 13°50          | 23° 8          | 0°22          | 14°18          | 13°46           | 3°32 | 5°35   | S 22 |
| M23  | 8 5 44  | 2° 5'05          | 28°35           | 15° 2          | 15°30          | 26° 5           | 5° 2          | 12°36          | 13°D50         | 23° 7          | 0°20          | 14° 4          | 13°43           | 3°38 | 5°32   | M23  |
| T 24 | 8 9 40  | 3° 6'08          | 10 <b>米</b> 32  | 16°31          | 16°27          | 26°42           | 5°15          | 12°40          | 13°50          | 23° 6          | 0°19          | 13°52          | 13°40           | 3°45 | 5°28   | T 24 |
| W25  | 8 13 37 | 4° 7'10          | 22°34           | 18° 1          | 17°25          | 27°18           | 5°28          | 12°44          | 13°50          | 23° 5          | 0°18          | 13°43          | 13°37           | 3°52 | 5°25   | W25  |
| T 26 | 8 17 33 | 5° 8'11          | 4 <b>Υ</b> 44   | 19°31          | 18°24          | 27°55           | 5°42          | 12°48          | 13°50          | 23° 4          | 0°16          | 13°37          | 13°34           | 3°58 | 5°22   | T 26 |
| F 27 | 8 21 30 | 6° 9'11          | 17° 6           | 21° 3          | 19°23          | 28°32           | 5°55          | 12°52          | 13°51          | 23° 3          | 0°15          | 13°33          | 13°31           | 4° 5 | 5°18   | F 27 |
| S 28 | 8 25 27 | 7°10'10          | 29°45           | 22°35          | 20°23          | 29° 8           | 6° 9          | 12°57          | 13°51          | 23° 2          | 0°14          | 13°32          | 13°27           | 4°12 | 5°15   | S 28 |
| S 29 | 8 29 23 | 8°11'08          | 12843           | 24° 7          | 21°22          | 29°45           | 6°23          | 13° 1          | 13°51          | 23° 1          | 0°12          | 13°32          | 13°24           | 4°19 | 5°12   | S 29 |
| M30  | 8 33 20 | 9°12'05          | 26° 6           | 25°40          | 22°23          | 0 <b>₹</b> 22   | 6°36          | 13° 6          | 13°52          | 23° 0          | 0°11          | 13°32          | 13°21           | 4°25 | 5° 9   | M30  |
| T31  | 8 37 16 | 10≈13'00         | 9∏57            | 27 <b>궁</b> 14 | 23 <b>×</b> 24 | 0 <b>≯</b> 58   | 6 <b>¥</b> 50 | 13 <b>Y</b> 11 | 13 <b>8</b> 52 | 22 <b>m</b> 59 | 0 <b>Ω</b> 10 | 13 <b>M</b> 30 | 13 <b>M</b> .18 | 4≈32 | 595 6  | T 31 |

Delta T = 24.17 sec

FEBRUARY 1939 00:00 UT

|      | _        |                  |                |                |                             |                 |                |                |                |                |              |                 |                 |      |               |      |
|------|----------|------------------|----------------|----------------|-----------------------------|-----------------|----------------|----------------|----------------|----------------|--------------|-----------------|-----------------|------|---------------|------|
| Day  | Sid.t    | 0                | D              | ğ              | φ                           | ď               | 4              | ħ              | )f(            | 并              | В            | u               | v               | Ç    | ٥,            | Day  |
| W 1  | 8 41 13  | 11≈13'54         | 24∏17          | 28 <b>궁</b> 49 | 24 <b>×</b> <sup>7</sup> 25 | 1 <b>∡</b> 735  | 7 <b>)</b> 4   | 13 <b>Y</b> 15 | 13 <b>8</b> 52 | 22°R58         | 0°R 8        | 13°R26          | 13 <b>M</b> .15 | 4≈39 | 5°R 3         | W 1  |
| T 2  | 8 45 9   | 12°14'47         | 995 4          | 0≈24           | 25°26                       | 2°11            | 7°17           | 13°20          | 13°53          | 22 <b>m</b> 57 | 0 <b>Ω</b> 7 | 13 <b>M</b> .19 | 13°11           | 4°46 | 5 <b>95</b> 0 | T 2  |
| F 3  | 8 49 6   | 13°15'38         | 24°12          | 2° 0           | 26°28                       | 2°48            | 7°31           | 13°25          | 13°54          | 22°56          | 0° 6         | 13° 9           | 13° 8           | 4°52 | 4°57          | F 3  |
| S 4  | 8 53 2   | 14°16'29         | 9 <b>Ω</b> 32  | 3°37           | 27°30                       | 3°24            | 7°45           | 13°30          | 13°54          | 22°55          | 0° 5         | 12°58           | 13° 5           | 4°59 | 4°54          | S 4  |
| S 5  | 8 56 59  | 15°17'18         | 24°53          | 5°14           | 28°33                       | 4° 0            | 7°59           | 13°35          | 13°55          | 22°53          | 0° 3         | 12°46           | 13° 2           | 5° 6 | 4°52          | S 5  |
| M 6  | 9 0 56   | 16°18'06         | 10 Mp 3        | 6°52           | 29°35                       | 4°37            | 8°13           | 13°40          | 13°56          | 22°52          | 0° 2         | 12°35           | 12°59           | 5°12 | 4°49          | M 6  |
| T 7  | 9 4 52   | 17°18'52         | 24°52          | 8°31           | 0 <b>궁</b> 39               | 5°13            | 8°27           | 13°46          | 13°56          | 22°51          | 0° 1         | 12°27           | 12°56           | 5°19 | 4°46          | T 7  |
| W 8  | 9 8 49   | 18°19'38         | 9 <b>₾</b> 13  | 10°11          | 1°42                        | 5°49            | 8°41           | 13°51          | 13°57          | 22°50          | 29959        | 12°21           | 12°52           | 5°26 | 4°44          | W 8  |
| T 9  | 9 12 45  | 19°20'23         | 23° 4          | 11°52          | 2°46                        | 6°26            | 8°55           | 13°56          | 13°58          | 22°48          | 29°58        | 12°18           | 12°49           | 5°33 | 4°41          | T 9  |
| F 10 | 9 16 42  | 20°21'07         | 6M25           | 13°33          | 3°50                        | 7° 2            | 9° 9           | 14° 2          | 13°59          | 22°47          | 29°57        | 12°17           | 12°46           | 5°39 | 4°39          | F 10 |
| S 11 | 9 20 38  | 21°21'49         | 19°19          | 15°15          | 4°54                        | 7°38            | 9°23           | 14° 7          | 14° 0          | 22°46          | 29°56        | 12°17           | 12°43           | 5°46 | 4°37          | S 11 |
| S 12 | 9 24 35  | 22°22'31         | 1 <b>才</b> 52  | 16°58          | 5°59                        | 8°14            | 9°38           | 14°13          | 14° 1          | 22°44          | 29°54        | 12°17           | 12°40           | 5°53 | 4°34          | S 12 |
| M13  | 9 28 31  | 23°23'12         | 14° 7          | 18°42          | 7° 4                        | 8°50            | 9°52           | 14°18          | 14° 2          | 22°43          | 29°53        | 12°15           | 12°37           | 5°59 | 4°32          | M13  |
| T 14 | 9 32 28  | 24°23'51         | 26°10          | 20°27          | 8° 9                        | 9°26            | 10° 6          | 14°24          | 14° 3          | 22°41          | 29°52        | 12°11           | 12°33           | 6° 6 | 4°30          | T 14 |
| W15  | 9 36 25  | 25°24'30         | 8පි 6          | 22°12          | 9°14                        | 10° 2           | 10°20          | 14°30          | 14° 5          | 22°40          | 29°51        | 12° 4           | 12°30           | 6°13 | 4°28          | W15  |
| T 16 | 9 40 21  | 26°25'07         | 19°57          | 23°58          | 10°20                       | 10°38           | 10°35          | 14°36          | 14° 6          | 22°38          | 29°50        | 11°54           | 12°27           | 6°20 | 4°26          | T 16 |
| F 17 | 9 44 18  | 27°25'43         | 1≈48           | 25°46          | 11°25                       | 11°14           | 10°49          | 14°42          | 14° 7          | 22°37          | 29°48        | 11°42           | 12°24           | 6°26 | 4°24          | F 17 |
| S 18 | 9 48 14  | 28°26'17         | 13°40          | 27°34          | 12°31                       | 11°50           | 11° 3          | 14°48          | 14° 8          | 22°36          | 29°47        | 11°28           | 12°21           | 6°33 | 4°23          | S 18 |
| S 19 | 9 52 11  | 29°26'50         | 25°35          | 29°23          | 13°38                       | 12°26           | 11°18          | 14°54          | 14°10          | 22°34          | 29°46        | 11°14           | 12°17           | 6°40 | 4°21          | S 19 |
| M20  | 9 56 7   | 0 <b>¥</b> 27'21 | 7 <b>)</b> €34 | 1 <b>)</b> 13  | 14°44                       | 13° 1           | 11°32          | 15° 0          | 14°11          | 22°33          | 29°45        | 11° 1           | 12°14           | 6°47 | 4°19          | M20  |
| T 21 | 10 0 4   | 1°27'50          | 19°39          | 3° 3           | 15°50                       | 13°37           | 11°46          | 15° 6          | 14°13          | 22°31          | 29°44        | 10°49           | 12°11           | 6°53 | 4°18          | T 21 |
| W22  | 10 4 0   | 2°28'18          | 1 <b>Y</b> 51  | 4°55           | 16°57                       | 14°13           | 12° 1          | 15°12          | 14°14          | 22°30          | 29°43        | 10°40           | 12° 8           | 7° 0 | 4°16          | W22  |
| T 23 | 10 7 57  | 3°28'44          | 14°10          | 6°47           | 18° 4                       | 14°48           | 12°15          | 15°18          | 14°16          | 22°28          | 29°42        | 10°34           | 12° 5           | 7° 7 | 4°15          | T 23 |
| F 24 | 10 11 53 | 4°29'09          | 26°41          | 8°39           | 19°11                       | 15°24           | 12°30          | 15°25          | 14°17          | 22°26          | 29°41        | 10°31           | 12° 2           | 7°13 | 4°14          | F 24 |
| S 25 | 10 15 50 | 5°29'31          | 9 <b>8</b> 24  | 10°33          | 20°18                       | 15°59           | 12°44          | 15°31          | 14°19          | 22°25          | 29°40        | 10°D30          | 11°58           | 7°20 | 4°13          | S 25 |
| S 26 | 10 19 47 | 6°29'52          | 22°24          | 12°26          | 21°26                       | 16°35           | 12°59          | 15°38          | 14°21          | 22°23          | 29°38        | 10°30           | 11°55           | 7°27 | 4°12          | S 26 |
| M27  | 10 23 43 | 7°30'10          | 5 <b>Ⅱ</b> 43  | 14°20          | 22°33                       | 17°10           | 13°13          | 15°44          | 14°23          | 22°22          | 29°37        | 10°R31          | 11°52           | 7°34 | 4°11          | M27  |
| T 28 | 10 27 40 | 8 <b>)</b> 30'27 | 19 <b>Ⅲ</b> 24 | 16 <b>)</b> 15 | 23 <b>궁</b> 41              | 17 <b>.7</b> 45 | 13 <b>∺</b> 28 | 15 <b>Y</b> 51 | 14824          | 22 Mp 20       | 29936        | 10ML30          | 11 <b>M</b> 49  | 7≈40 | 49510         | T 28 |

Delta T = 24.19 sec

MARCH 1939 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ♂              | 4              | ħ              | )ұ(            | 卉              | В      | N.             | v               | Ç     | Ş,    | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|-----------------|-------|-------|------|
| W 1  | 10 31 36 | 9 <b>∺</b> 30'41 | 3930           | 18 <b>∺</b> 9  | 24 <b>궁</b> 49 | 18 <b>×</b> 20 | 13 <b>)</b> 42 | 15 <b>Y</b> 57 | 14826          | 22°R18         | 29°R35 | 10°R28         | 11 <b>M</b> .46 | 7≈47  | 4°R 9 | W 1  |
| T 2  | 10 35 33 | 10°30'54         | 17°59          | 20° 3          | 25°57          | 18°56          | 13°57          | 16° 4          | 14°28          | 22 Mp 17       | 29934  | 10ML23         | 11°42           | 7°54  | 495 8 | T 2  |
| F 3  | 10 39 29 | 11°31'04         | 2 <b>Ω</b> 48  | 21°56          | 27° 5          | 19°31          | 14°11          | 16°10          | 14°30          | 22°15          | 29°34  | 10°16          | 11°39           | 8° 0  | 4° 7  | F 3  |
| S 4  | 10 43 26 | 12°31'13         | 17°51          | 23°49          | 28°13          | 20° 6          | 14°26          | 16°17          | 14°32          | 22°14          | 29°33  | 10° 8          | 11°36           | 8° 7  | 4° 7  | S 4  |
| S 5  | 10 47 22 | 13°31'19         | 2 <b>m</b> 59  | 25°41          | 29°22          | 20°41          | 14°40          | 16°24          | 14°34          | 22°12          | 29°32  | 9°59           | 11°33           | 8°14  | 4° 6  | S 5  |
| M 6  | 10 51 19 | 14°31'23         | 18° 1          | 27°31          | 0≈30           | 21°15          | 14°55          | 16°31          | 14°36          | 22°10          | 29°31  | 9°50           | 11°30           | 8°21  | 4° 6  | M 6  |
| T 7  | 10 55 16 | 15°31'26         | 2 <b>≏</b> 48  | 29°19          | 1°39           | 21°50          | 15° 9          | 16°38          | 14°38          | 22° 9          | 29°30  | 9°43           | 11°27           | 8°27  | 4° 6  | T 7  |
| W 8  | 10 59 12 | 16°31'26         | 17°12          | 1 <b>Υ</b> 5   | 2°47           | 22°25          | 15°24          | 16°44          | 14°40          | 22° 7          | 29°29  | 9°39           | 11°23           | 8°34  | 4° 5  | W 8  |
| T 9  | 11 3 9   | 17°31'25         | 1 <b>m</b> 9   | 2°48           | 3°56           | 23° 0          | 15°38          | 16°51          | 14°43          | 22° 5          | 29°28  | 9°37           | 11°20           | 8°41  | 4° 5  | T 9  |
| F 10 | 11 7 5   | 18°31'23         | 14°38          | 4°28           | 5° 5           | 23°34          | 15°53          | 16°58          | 14°45          | 22° 4          | 29°27  | 9°D37          | 11°17           | 8°48  | 4°D 5 | F 10 |
| S 11 | 11 11 2  | 19°31'19         | 27°40          | 6° 4           | 6°14           | 24° 9          | 16° 7          | 17° 5          | 14°47          | 22° 2          | 29°27  | 9°38           | 11°14           | 8°54  | 4° 5  | S 11 |
| S 12 | 11 14 58 | 20°31'13         | 10 <b>∡</b> 18 | 7°35           | 7°24           | 24°43          | 16°22          | 17°12          | 14°49          | 22° 0          | 29°26  | 9°39           | 11°11           | 9° 1  | 4° 5  | S 12 |
| M13  | 11 18 55 | 21°31'05         | 22°38          | 9° 2           | 8°33           | 25°18          | 16°36          | 17°19          | 14°52          | 21°59          | 29°25  | 9°R39          | 11°8            | 9° 8  | 4° 6  | M13  |
| T 14 | 11 22 51 | 22°30'56         | 4 <b>⋜</b> 43  | 10°23          | 9°42           | 25°52          | 16°51          | 17°27          | 14°54          | 21°57          | 29°24  | 9°38           | 11° 4           | 9°14  | 4° 6  | T 14 |
| W15  | 11 26 48 | 23°30'45         | 16°39          | 11°38          | 10°52          | 26°26          | 17° 5          | 17°34          | 14°57          | 21°55          | 29°24  | 9°35           | 11° 1           | 9°21  | 4° 6  | W15  |
| T 16 | 11 30 45 | 24°30'32         | 28°31          | 12°47          | 12° 2          | 27° 0          | 17°20          | 17°41          | 14°59          | 21°54          | 29°23  | 9°30           | 10°58           | 9°28  | 4° 7  | T 16 |
| F 17 | 11 34 41 | 25°30'18         | 10≈22          | 13°50          | 13°11          | 27°34          | 17°34          | 17°48          | 15° 2          | 21°52          | 29°22  | 9°24           | 10°55           | 9°35  | 4° 7  | F 17 |
| S 18 | 11 38 38 | 26°30'02         | 22°15          | 14°45          | 14°21          | 28° 8          | 17°48          | 17°55          | 15° 4          | 21°50          | 29°22  | 9°16           | 10°52           | 9°41  | 4°8   | S 18 |
| S 19 | 11 42 34 | 27°29'43         | 4 <b>₩</b> 15  | 15°33          | 15°31          | 28°42          | 18° 3          | 18° 3          | 15° 7          | 21°49          | 29°21  | 9° 8           | 10°48           | 9°48  | 4° 9  | S 19 |
| M20  | 11 46 31 | 28°29'23         | 16°22          | 16°13          | 16°41          | 29°16          | 18°17          | 18°10          | 15° 9          | 21°47          | 29°20  | 9° 0           | 10°45           | 9°55  | 4°10  | M20  |
| T 21 | 11 50 27 | 29°29'01         | 28°37          | 16°45          | 17°51          | 29°50          | 18°32          | 18°17          | 15°12          | 21°45          | 29°20  | 8°53           | 10°42           | 10° 1 | 4°11  | T 21 |
| W22  | 11 54 24 | 0 <b>℃</b> 28'37 | 11 <b>°</b> 3  | 17°10          | 19° 1          | 0 <b>る</b> 23  | 18°46          | 18°25          | 15°15          | 21°44          | 29°19  | 8°48           | 10°39           | 10° 8 | 4°12  | W22  |
| T 23 | 11 58 20 | 1°28'11          | 23°39          | 17°26          | 20°11          | 0°57           | 19° 0          | 18°32          | 15°17          | 21°42          | 29°19  | 8°45           | 10°36           | 10°15 | 4°13  | T 23 |
| F 24 | 12 2 17  | 2°27'43          | 6826           | 17°34          | 21°21          | 1°30           | 19°15          | 18°39          | 15°20          | 21°40          | 29°18  | 8°D44          | 10°33           | 10°22 | 4°14  | F 24 |
| S 25 | 12 6 13  | 3°27'12          | 19°25          | 17°R35         | 22°32          | 2° 3           | 19°29          | 18°47          | 15°23          | 21°39          | 29°18  | 8°45           | 10°29           | 10°28 | 4°15  | S 25 |
| S 26 | 12 10 10 | 4°26'40          | 2 <b>川</b> 38  | 17°27          | 23°42          | 2°36           | 19°43          | 18°54          | 15°26          | 21°37          | 29°17  | 8°46           | 10°26           | 10°35 | 4°16  | S 26 |
| M27  | 12 14 7  | 5°26'05          | 16° 6          | 17°13          | 24°52          | 3° 9           | 19°58          | 19° 2          | 15°28          | 21°36          | 29°17  | 8°48           | 10°23           | 10°42 | 4°18  | M27  |
| T 28 | 12 18 3  | 6°25'28          | 29°49          | 16°51          | 26° 3          | 3°42           | 20°12          | 19° 9          | 15°31          | 21°34          | 29°16  | 8°49           | 10°20           | 10°49 | 4°19  | T 28 |
| W29  | 12 22 0  | 7°24'48          | 139548         | 16°24          | 27°13          | 4°15           | 20°26          | 19°16          | 15°34          | 21°32          | 29°16  | 8°R49          | 10°17           | 10°55 | 4°21  | W29  |
| T 30 | 12 25 56 | 8°24'06          | 28° 3          | 15°50          | 28°24          | 4°48           | 20°40          | 19°24          | 15°37          | 21°31          | 29°16  | 8°47           | 10°13           | 11° 2 | 4°23  | T 30 |
| F 31 | 12 29 53 | 9 <b>Y</b> 23'22 | 12 <b>N</b> 32 | 15 <b>Y</b> 12 | 29≈35          | 5 <b>る</b> 20  | 20 <b>)</b> 54 | 19 <b>Y</b> 31 | 15 <b>8</b> 40 | 21 <b>m</b> 29 | 299515 | 8 <b>M</b> .45 | 10 <b>M</b> 10  | 11≈ 9 | 49925 | F 31 |

Delta T = 24.20 sec

APRIL 1939 00:00 UT

| Day  | Sid.t    | 0                 | D               | φ              | φ              | ♂              | 4              | ħ              | )ұ(            | 卉        | В      | u              | S              | Ç     | ę,            | Day  |
|------|----------|-------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------|--------|----------------|----------------|-------|---------------|------|
| S 1  | 12 33 49 | 10 <b>Y</b> 22'35 | 27 <b>N</b> 9   | 14°R30         | 0 <b>)</b> €45 | 5 <b>궁</b> 53  | 21 <b>米</b> 9  | 19 <b>Y</b> 39 | 15 <b>8</b> 43 | 21°R28   | 29°R15 | 8°R41          | 10 <b>M</b> 7  | 11≈15 | 4926          | S 1  |
| S 2  | 12 37 46 | 11°21'46          | 11 <b>m</b> p51 | 13 <b>Y</b> 45 | 1°56           | 6°25           | 21°23          | 19°47          | 15°46          | 21 m/26  | 299515 | 8 <b>M</b> .37 | 10° 4          | 11°22 | 4°28          | S 2  |
| M 3  | 12 41 42 | 12°20'55          | 26°29           | 12°57          | 3° 7           | 6°57           | 21°37          | 19°54          | 15°49          | 21°25    | 29°14  | 8°33           | 10° 1          | 11°29 | 4°30          | M 3  |
| T 4  | 12 45 39 | 13°20'02          | 10 <b>≏</b> 57  | 12° 9          | 4°18           | 7°29           | 21°51          | 20° 2          | 15°52          | 21°23    | 29°14  | 8°30           | 9°58           | 11°36 | 4°33          | T 4  |
| W 5  | 12 49 36 | 14°19'06          | 25° 8           | 11°20          | 5°29           | 8° 1           | 22° 5          | 20° 9          | 15°55          | 21°21    | 29°14  | 8°29           | 9°54           | 11°42 | 4°35          | W 5  |
| T 6  | 12 53 32 | 15°18'09          | 8 <b>M</b> .59  | 10°32          | 6°40           | 8°33           | 22°19          | 20°17          | 15°58          | 21°20    | 29°14  | 8°D28          | 9°51           | 11°49 | 4°37          | T 6  |
| F 7  | 12 57 29 | 16°17'10          | 22°27           | 9°45           | 7°51           | 9° 4           | 22°32          | 20°24          | 16° 1          | 21°19    | 29°14  | 8°29           | 9°48           | 11°56 | 4°39          | F 7  |
| S 8  | 13 1 25  | 17°16'08          | 5 <b>₹</b> 31   | 9° 1           | 9° 2           | 9°36           | 22°46          | 20°32          | 16° 4          | 21°17    | 29°14  | 8°30           | 9°45           | 12° 2 | 4°42          | S 8  |
| S 9  | 13 5 22  | 18°15'06          | 18°14           | 8°20           | 10°13          | 10° 7          | 23° 0          | 20°39          | 16° 7          | 21°16    | 29°13  | 8°31           | 9°42           | 12° 9 | 4°44          | S 9  |
| M10  | 13 9 18  | 19°14'01          | 0 <b>궁</b> 38   | 7°43           | 11°24          | 10°39          | 23°14          | 20°47          | 16°11          | 21°14    | 29°13  | 8°33           | 9°39           | 12°16 | 4°47          | M10  |
| T 11 | 13 13 15 | 20°12'55          | 12°47           | 7°10           | 12°36          | 11°10          | 23°28          | 20°55          | 16°14          | 21°13    | 29°13  | 8°34           | 9°35           | 12°23 | 4°50          | T 11 |
| W12  | 13 17 11 | 21°11'46          | 24°46           | 6°42           | 13°47          | 11°40          | 23°41          | 21° 2          | 16°17          | 21°11    | 29°13  | 8°R34          | 9°32           | 12°29 | 4°52          | W12  |
| T 13 | 13 21 8  | 22°10'36          | 6≈39            | 6°19           | 14°58          | 12°11          | 23°55          | 21°10          | 16°20          | 21°10    | 29°D13 | 8°33           | 9°29           | 12°36 | 4°55          | T 13 |
| F 14 | 13 25 5  | 23° 9'25          | 18°32           | 6° 0           | 16°10          | 12°42          | 24° 9          | 21°17          | 16°23          | 21° 9    | 29°13  | 8°32           | 9°26           | 12°43 | 4°58          | F 14 |
| S 15 | 13 29 1  | 24° 8'11          | 0 <b>∺</b> 28   | 5°47           | 17°21          | 13°12          | 24°22          | 21°25          | 16°27          | 21° 7    | 29°13  | 8°30           | 9°23           | 12°50 | 5° 1          | S 15 |
| S 16 | 13 32 58 | 25° 6'56          | 12°31           | 5°40           | 18°32          | 13°42          | 24°36          | 21°33          | 16°30          | 21° 6    | 29°13  | 8°28           | 9°19           | 12°56 | 5° 4          | S 16 |
| M17  | 13 36 54 | 26° 5'39          | 24°44           | 5°D37          | 19°44          | 14°12          | 24°49          | 21°40          | 16°33          | 21° 5    | 29°14  | 8°26           | 9°16           | 13° 3 | 5° 7          | M17  |
| T 18 | 13 40 51 | 27° 4'20          | 7 <b>Υ</b> 10   | 5°40           | 20°55          | 14°42          | 25° 3          | 21°48          | 16°37          | 21° 3    | 29°14  | 8°24           | 9°13           | 13°10 | 5°11          | T 18 |
| W19  | 13 44 47 | 28° 2'59          | 19°50           | 5°48           | 22° 7          | 15°12          | 25°16          | 21°55          | 16°40          | 21° 2    | 29°14  | 8°23           | 9°10           | 13°16 | 5°14          | W19  |
| T 20 | 13 48 44 | 29° 1'37          | 2844            | 6° 0           | 23°18          | 15°41          | 25°29          | 22° 3          | 16°43          | 21° 1    | 29°14  | 8°D23          | 9° 7           | 13°23 | 5°17          | T 20 |
| F 21 | 13 52 40 | 0 <b>8</b> 0'12   | 15°54           | 6°18           | 24°30          | 16°10          | 25°42          | 22°10          | 16°47          | 21° 0    | 29°14  | 8°23           | 9° 4           | 13°30 | 5°21          | F 21 |
| S 22 | 13 56 37 | 0°58'46           | 29°17           | 6°40           | 25°42          | 16°39          | 25°56          | 22°18          | 16°50          | 20°58    | 29°14  | 8°23           | 9° 0           | 13°37 | 5°24          | S 22 |
| S 23 | 14 0 34  | 1°57'17           | 12Ⅲ53           | 7° 7           | 26°53          | 17° 8          | 26° 9          | 22°25          | 16°53          | 20°57    | 29°15  | 8°24           | 8°57           | 13°43 | 5°28          | S 23 |
| M24  | 14 430   | 2°55'46           | 26°41           | 7°37           | 28° 5          | 17°37          | 26°22          | 22°33          | 16°57          | 20°56    | 29°15  | 8°25           | 8°54           | 13°50 | 5°31          | M24  |
| T 25 | 14 8 27  | 3°54'14           | 10539           | 8°12           | 29°17          | 18° 5          | 26°35          | 22°41          | 17° 0          | 20°55    | 29°15  | 8°25           | 8°51           | 13°57 | 5°35          | T 25 |
| W26  | 14 12 23 | 4°52'39           | 24°44           | 8°51           | 0 <b>Υ</b> 28  | 18°33          | 26°48          | 22°48          | 17° 4          | 20°54    | 29°16  | 8°25           | 8°48           | 14° 4 | 5°39          | W26  |
| T 27 | 14 16 20 | 5°51'02           | 8 <b>Ω</b> 56   | 9°34           | 1°40           | 19° 1          | 27° 1          | 22°55          | 17° 7          | 20°53    | 29°16  | 8°R25          | 8°45           | 14°10 | 5°43          | T 27 |
| F 28 | 14 20 16 | 6°49'23           | 23°12           | 10°20          | 2°52           | 19°29          | 27°13          | 23° 3          | 17°10          | 20°52    | 29°16  | 8°25           | 8°41           | 14°17 | 5°47          | F 28 |
| S 29 | 14 24 13 | 7°47'41           | 7 <b>m</b> )28  | 11° 9          | 4° 4           | 19°56          | 27°26          | 23°10          | 17°14          | 20°51    | 29°17  | 8°25           | 8°38           | 14°24 | 5°51          | S 29 |
| S 30 | 14 28 9  | 8 <b>8</b> 45'58  | 21 <b>m</b> 43  | 12 <b>°</b> 2  | 5 <b>Υ</b> 16  | 20 <b>ට</b> 23 | 27 <b>米</b> 39 | 23 <b>Y</b> 18 | 17817          | 20 Mp 50 | 299517 | 8°D25          | 8 <b>M</b> .35 | 14≈30 | 5 <b>9</b> 55 | S 30 |

Delta T = 24.22 sec

MAY 1939 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | Ŷ              | ð              | 4              | ħ              | )ұ(   | ¥               | Р      | ß             | C              | Ç     | ę,    | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|-------|-----------------|--------|---------------|----------------|-------|-------|------|
| M 1  | 14 32 6  | 9844'12          | 5 <b>≙</b> 52  | 12 <b>Y</b> 58 | 6 <b>Υ</b> 28  | 20 <b>궁</b> 50 | 27 <b>)</b> 51 | 23 <b>Y</b> 25 | 17821 | 20°R49          | 299518 | 8 <b>M</b> 25 | 8 <b>M</b> .32 | 14≈37 | 59559 | M 1  |
| T 2  | 14 36 3  | 10°42'25         | 19°52          | 13°57          | 7°39           | 21°17          | 28° 4          | 23°33          | 17°24 | 20 <b>m</b> /48 | 29°18  | 8°25          | 8°29           | 14°44 | 6° 3  | T 2  |
| W 3  | 14 39 59 | 11°40'35         | 3 <b>M</b> .39 | 14°59          | 8°51           | 21°43          | 28°16          | 23°40          | 17°28 | 20°47           | 29°19  | 8°R25         | 8°25           | 14°51 | 6° 7  | W 3  |
| T 4  | 14 43 56 | 12°38'44         | 17°12          | 16° 4          | 10° 3          | 22° 9          | 28°29          | 23°47          | 17°31 | 20°46           | 29°19  | 8°25          | 8°22           | 14°57 | 6°11  | T 4  |
| F 5  | 14 47 52 | 13°36'51         | 0 <b>,₹</b> 27 | 17°11          | 11°15          | 22°35          | 28°41          | 23°55          | 17°35 | 20°45           | 29°20  | 8°25          | 8°19           | 15° 4 | 6°16  | F 5  |
| S 6  | 14 51 49 | 14°34'57         | 13°24          | 18°21          | 12°27          | 23° 1          | 28°53          | 24° 2          | 17°38 | 20°44           | 29°20  | 8°25          | 8°16           | 15°11 | 6°20  | S 6  |
| S 7  | 14 55 45 | 15°33'01         | 26° 4          | 19°34          | 13°39          | 23°26          | 29° 5          | 24° 9          | 17°42 | 20°43           | 29°21  | 8°24          | 8°13           | 15°17 | 6°24  | S 7  |
| M 8  | 14 59 42 | 16°31'04         | 8 <b>국</b> 28  | 20°49          | 14°51          | 23°51          | 29°17          | 24°16          | 17°45 | 20°43           | 29°21  | 8°23          | 8°10           | 15°24 | 6°29  | M 8  |
| T 9  | 15 3 38  | 17°29'05         | 20°38          | 22° 6          | 16° 3          | 24°16          | 29°29          | 24°24          | 17°49 | 20°42           | 29°22  | 8°22          | 8° 6           | 15°31 | 6°33  | T 9  |
| W10  | 15 7 35  | 18°27'05         | 2≈39           | 23°26          | 17°15          | 24°40          | 29°41          | 24°31          | 17°52 | 20°41           | 29°23  | 8°21          | 8° 3           | 15°38 | 6°38  | W10  |
| T 11 | 15 11 32 | 19°25'04         | 14°34          | 24°48          | 18°27          | 25° 4          | 29°53          | 24°38          | 17°55 | 20°40           | 29°24  | 8°D20         | 8° 0           | 15°44 | 6°43  | T 11 |
| F 12 | 15 15 28 | 20°23'01         | 26°27          | 26°13          | 19°40          | 25°28          | 0 <b>Υ</b> 5   | 24°45          | 17°59 | 20°40           | 29°24  | 8°20          | 7°57           | 15°51 | 6°47  | F 12 |
| S 13 | 15 19 25 | 21°20'56         | 8 <b>)</b> €24 | 27°39          | 20°52          | 25°51          | 0°16           | 24°52          | 18° 2 | 20°39           | 29°25  | 8°21          | 7°54           | 15°58 | 6°52  | S 13 |
| S 14 | 15 23 21 | 22°18'51         | 20°28          | 29° 8          | 22° 4          | 26°14          | 0°28           | 24°59          | 18° 6 | 20°38           | 29°26  | 8°22          | 7°50           | 16° 5 | 6°57  | S 14 |
| M15  | 15 27 18 | 23°16'44         | 2 <b>Ƴ</b> 44  | 0 <b>8</b> 39  | 23°16          | 26°36          | 0°39           | 25° 6          | 18° 9 | 20°38           | 29°27  | 8°23          | 7°47           | 16°11 | 7° 2  | M15  |
| T 16 | 15 31 14 | 24°14'36         | 15°17          | 2°13           | 24°28          | 26°59          | 0°51           | 25°13          | 18°13 | 20°37           | 29°27  | 8°25          | 7°44           | 16°18 | 7° 7  | T 16 |
| W17  | 15 35 11 | 25°12'27         | 28° 7          | 3°48           | 25°40          | 27°20          | 1° 2           | 25°20          | 18°16 | 20°37           | 29°28  | 8°25          | 7°41           | 16°25 | 7°12  | W17  |
| T 18 | 15 39 7  | 26°10'16         | 11 <b>8</b> 17 | 5°25           | 26°53          | 27°42          | 1°13           | 25°27          | 18°20 | 20°36           | 29°29  | 8°R26         | 7°38           | 16°31 | 7°17  | T 18 |
| F 19 | 15 43 4  | 27° 8'04         | 24°48          | 7° 5           | 28° 5          | 28° 3          | 1°24           | 25°34          | 18°23 | 20°36           | 29°30  | 8°25          | 7°35           | 16°38 | 7°22  | F 19 |
| S 20 | 15 47 0  | 28° 5'51         | 8Д36           | 8°47           | 29°17          | 28°23          | 1°35           | 25°41          | 18°27 | 20°35           | 29°31  | 8°23          | 7°31           | 16°45 | 7°27  | S 20 |
| S 21 | 15 50 57 | 29° 3'36         | 22°40          | 10°31          | 0829           | 28°44          | 1°46           | 25°48          | 18°30 | 20°35           | 29°32  | 8°21          | 7°28           | 16°52 | 7°32  | S 21 |
| M22  | 15 54 54 | 0耳 1'20          | 6955           | 12°17          | 1°42           | 29° 3          | 1°57           | 25°54          | 18°33 | 20°35           | 29°33  | 8°18          | 7°25           | 16°58 | 7°37  | M22  |
| T 23 | 15 58 50 | 0°59'03          | 21°17          | 14° 5          | 2°54           | 29°23          | 2° 8           | 26° 1          | 18°37 | 20°34           | 29°34  | 8°15          | 7°22           | 17° 5 | 7°43  | T 23 |
| W24  | 16 2 47  | 1°56'43          | 5 <b>Ω</b> 40  | 15°56          | 4° 6           | 29°41          | 2°18           | 26° 8          | 18°40 | 20°34           | 29°35  | 8°13          | 7°19           | 17°12 | 7°48  | W24  |
| T 25 | 16 6 43  | 2°54'23          | 20° 0          | 17°48          | 5°19           | 29°59          | 2°29           | 26°14          | 18°44 | 20°34           | 29°36  | 8°11          | 7°16           | 17°18 | 7°53  | T 25 |
| F 26 | 16 10 40 | 3°52'00          | 4 <b>m</b> 14  | 19°43          | 6°31           | 0≈18           | 2°39           | 26°21          | 18°47 | 20°33           | 29°37  | 8°D11         | 7°12           | 17°25 | 7°59  | F 26 |
| S 27 | 16 14 36 | 4°49'36          | 18°20          | 21°39          | 7°44           | 0°35           | 2°50           | 26°27          | 18°50 | 20°33           | 29°38  | 8°11          | 7° 9           | 17°32 | 8° 4  | S 27 |
| S 28 | 16 18 33 | 5°47'11          | 2 <b>≙</b> 15  | 23°38          | 8°56           | 0°52           | 3° 0           | 26°34          | 18°54 | 20°33           | 29°39  | 8°12          | 7° 6           | 17°39 | 8° 9  | S 28 |
| M29  | 16 22 30 | 6°44'44          | 16° 0          | 25°39          | 10° 8          | 1° 8           | 3°10           | 26°40          | 18°57 | 20°33           | 29°40  | 8°14          | 7° 3           | 17°45 | 8°15  | M29  |
| T 30 | 16 26 26 | 7°42'16          | 29°34          | 27°41          | 11°21          | 1°24           | 3°20           | 26°47          | 19° 1 | 20°33           | 29°41  | 8°15          | 7° 0           | 17°52 | 8°20  | T 30 |
| W31  | 16 30 23 | 8 <b>Ⅱ</b> 39'46 | 12 <b>M</b> 55 | 29846          | 12 <b>8</b> 33 | 1≈40           | 3 <b>Y</b> 29  | 26 <b>Y</b> 53 | 198 4 | 20 <b>m</b> 33  | 299542 | 8°R15         | 6 <b>M</b> .56 | 17≈59 | 8926  | W31  |

Delta T = 24.24 sec

JUNE 1939 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ     | Q.             | ♂     | 4             | ħ              | )f(           | ¥              | В             | v              | v             | Ç             | ç      | Day  |
|------|----------|------------------|-----------------|-------|----------------|-------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|---------------|--------|------|
| T 1  | 16 34 19 | 9 <b>Ⅱ</b> 37'16 | 26M 4           | 1∏52  | 13846          | 1≈55  | 3 <b>Ƴ</b> 39 | 26 <b>Y</b> 59 | 19 <b>8</b> 7 | 20°R33         | 299543        | 8°R14          | 6M 53         | 18 <b>≈</b> 6 | 8932   | T 1  |
| F 2  | 16 38 16 | 10°34'44         | 9 <b>∡</b> 0    | 3°59  | 14°58          | 2° 9  | 3°49          | 27° 6          | 19°10         | 20°D33         | 29°44         | 8 <b>M</b> .11 | 6°50          | 18°12         | 8°37   | F 2  |
| S 3  | 16 42 12 | 11°32'11         | 21°44           | 6° 8  | 16°11          | 2°23  | 3°58          | 27°12          | 19°14         | 20 <b>m</b> 33 | 29°46         | 8° 7           | 6°47          | 18°19         | 8°43   | S 3  |
| S 4  | 16 46 9  | 12°29'37         | 4 <b>궁</b> 14   | 8°18  | 17°23          | 2°36  | 4° 8          | 27°18          | 19°17         | 20°33          | 29°47         | 8° 1           | 6°44          | 18°26         | 8°49   | S 4  |
| M 5  | 16 50 5  | 13°27'03         | 16°32           | 10°29 | 18°36          | 2°49  | 4°17          | 27°24          | 19°20         | 20°33          | 29°48         | 7°55           | 6°41          | 18°32         | 8°54   | M 5  |
| T 6  | 16 54 2  | 14°24'28         | 28°40           | 12°40 | 19°48          | 3° 1  | 4°26          | 27°30          | 19°24         | 20°33          | 29°49         | 7°49           | 6°37          | 18°39         | 9° 0   | T 6  |
| W 7  | 16 57 59 | 15°21'51         | 10≈39           | 14°52 | 21° 1          | 3°12  | 4°35          | 27°36          | 19°27         | 20°33          | 29°51         | 7°44           | 6°34          | 18°46         | 9° 6   | W 7  |
| T 8  | 17 1 55  | 16°19'15         | 22°33           | 17° 4 | 22°13          | 3°23  | 4°44          | 27°42          | 19°30         | 20°33          | 29°52         | 7°40           | 6°31          | 18°53         | 9°12   | T 8  |
| F 9  | 17 5 52  | 17°16'37         | 4 <b>) (</b> 25 | 19°16 | 23°26          | 3°33  | 4°52          | 27°48          | 19°33         | 20°33          | 29°53         | 7°37           | 6°28          | 18°59         | 9°17   | F 9  |
| S 10 | 17 9 48  | 18°13'59         | 16°20           | 21°28 | 24°38          | 3°42  | 5° 1          | 27°53          | 19°36         | 20°34          | 29°54         | 7°D36          | 6°25          | 19° 6         | 9°23   | S 10 |
| S 11 | 17 13 45 | 19°11'20         | 28°24           | 23°39 | 25°51          | 3°51  | 5° 9          | 27°59          | 19°39         | 20°34          | 29°56         | 7°37           | 6°22          | 19°13         | 9°29   | S 11 |
| M12  | 17 17 41 | 20° 8'41         | 10 <b>Y</b> 39  | 25°49 | 27° 4          | 4° 0  | 5°18          | 28° 5          | 19°43         | 20°34          | 29°57         | 7°38           | 6°18          | 19°19         | 9°35   | M12  |
| T 13 | 17 21 38 | 21° 6'02         | 23°13           | 27°58 | 28°16          | 4° 7  | 5°26          | 28°10          | 19°46         | 20°35          | 29°58         | 7°39           | 6°15          | 19°26         | 9°41   | T 13 |
| W14  | 17 25 34 | 22° 3'22         | 6 <b>8</b> 7    | 0ණ 5  | 29°29          | 4°14  | 5°34          | 28°16          | 19°49         | 20°35          | 29°59         | 7°R40          | 6°12          | 19°33         | 9°47   | W14  |
| T 15 | 17 29 31 | 23° 0'41         | 19°26           | 2°11  | 0 <b>Ⅱ</b> 42  | 4°20  | 5°42          | 28°21          | 19°52         | 20°35          | 0 <b>Ω</b> 1  | 7°39           | 6° 9          | 19°40         | 9°53   | T 15 |
| F 16 | 17 33 28 | 23°58'01         | 3耳10            | 4°15  | 1°55           | 4°25  | 5°50          | 28°27          | 19°55         | 20°36          | 0° 2          | 7°37           | 6° 6          | 19°46         | 9°59   | F 16 |
| S 17 | 17 37 24 | 24°55'19         | 17°18           | 6°18  | 3° 7           | 4°30  | 5°57          | 28°32          | 19°58         | 20°36          | 0° 4          | 7°32           | 6° 2          | 19°53         | 10° 5  | S 17 |
| S 18 | 17 41 21 | 25°52'38         | 19546           | 8°18  | 4°20           | 4°34  | 6° 5          | 28°37          | 20° 1         | 20°37          | 0° 5          | 7°26           | 5°59          | 20° 0         | 10°11  | S 18 |
| M19  | 17 45 17 | 26°49'55         | 16°27           | 10°17 | 5°33           | 4°37  | 6°12          | 28°42          | 20° 4         | 20°37          | 0° 7          | 7°19           | 5°56          | 20° 6         | 10°17  | M19  |
| T 20 | 17 49 14 | 27°47'12         | 1 <b>Ω</b> 15   | 12°13 | 6°46           | 4°39  | 6°19          | 28°48          | 20° 7         | 20°38          | 0° 8          | 7°11           | 5°53          | 20°13         | 10°23  | T 20 |
| W21  | 17 53 10 | 28°44'29         | 16° 2           | 14° 7 | 7°59           | 4°41  | 6°26          | 28°53          | 20°10         | 20°39          | 0°10          | 7° 5           | 5°50          | 20°20         | 10°29  | W21  |
| T 22 | 17 57 7  | 29°41'44         | 0 <b>m</b> 39   | 15°59 | 9°11           | 4°42  | 6°33          | 28°58          | 20°12         | 20°39          | 0°11          | 7° 0           | 5°47          | 20°27         | 10°35  | T 22 |
| F 23 | 18 1 3   | 0938'59          | 15° 2           | 17°49 | 10°24          | 4°R42 | 6°40          | 29° 2          | 20°15         | 20°40          | 0°13          | 6°57           | 5°43          | 20°33         | 10°41  | F 23 |
| S 24 | 18 5 0   | 1°36'13          | 29° 7           | 19°37 | 11°37          | 4°42  | 6°46          | 29° 7          | 20°18         | 20°40          | 0°14          | 6°D55          | 5°40          | 20°40         | 10°47  | S 24 |
| S 25 | 18 8 57  | 2°33'27          | 12 <b>≏</b> 55  | 21°22 | 12°50          | 4°41  | 6°53          | 29°12          | 20°21         | 20°41          | 0°16          | 6°56           | 5°37          | 20°47         | 10°54  | S 25 |
| M26  | 18 12 53 | 3°30'39          | 26°26           | 23° 5 | 14° 3          | 4°38  | 6°59          | 29°17          | 20°24         | 20°42          | 0°17          | 6°57           | 5°34          | 20°54         | 11° 0  | M26  |
| T 27 | 18 16 50 | 4°27'52          | 9 <b>M</b> .41  | 24°46 | 15°16          | 4°36  | 7° 5          | 29°21          | 20°26         | 20°43          | 0°19          | 6°R57          | 5°31          | 21° 0         | 11° 6  | T 27 |
| W28  | 18 20 46 | 5°25'04          | 22°42           | 26°24 | 16°29          | 4°32  | 7°11          | 29°26          | 20°29         | 20°44          | 0°20          | 6°56           | 5°28          | 21° 7         | 11°12  | W28  |
| T 29 | 18 24 43 | 6°22'15          | 5 <b>₹</b> 30   | 28° 0 | 17°42          | 4°28  | 7°17          | 29°30          | 20°32         | 20°44          | 0°22          | 6°52           | 5°24          | 21°14         | 11°18  | T 29 |
| F 30 | 18 28 39 | 79619'26         | 18 <b>才</b> 7   | 29934 | 18 <b>Ⅱ</b> 55 | 4≈23  | 7 <b>℃</b> 23 | 29 <b>Y</b> 35 | 20834         | 20 <b>m</b> 45 | 0 <b>Ω</b> 23 | 6 <b>M</b> .46 | 5 <b>M</b> 21 | 21≈20         | 119524 | F 30 |

Delta T = 24.26 sec

JULY 1939 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ                   | φ               | ♂              | 4             | ħ              | )ф(            | ¥              | Р             | ß              | Ω             | Ç     | o<br>k | Day  |
|------|----------|------------------|-----------------|---------------------|-----------------|----------------|---------------|----------------|----------------|----------------|---------------|----------------|---------------|-------|--------|------|
| S 1  | 18 32 36 | 8916'37          | 0 <b>궁</b> 34   | 1 <b>0</b> 6        | 20 <b>I</b> I 8 | 4°R17          | 7 <b>Υ</b> 28 | 29 <b>Y</b> 39 | 20 <b>8</b> 37 | 20 <b>m</b> 46 | 0 <b>Ω</b> 25 | 6°R38          | 5 <b>M</b> 18 | 21≈27 | 119931 | S 1  |
| S 2  | 18 36 32 | 9°13'48          | 12°52           | 2°35                | 21°21           | 4≈11           | 7°33          | 29°43          | 20°40          | 20°47          | 0°26          | 6 <b>M</b> 28  | 5°15          | 21°34 | 11°37  | S 2  |
| M 3  | 18 40 29 | 10°10'59         | 25° 1           | 4° 2                | 22°34           | 4° 4           | 7°38          | 29°47          | 20°42          | 20°48          | 0°28          | 6°16           | 5°12          | 21°41 | 11°43  | M 3  |
| T 4  | 18 44 26 | 11° 8'09         | 7≈ 3            | 5°27                | 23°47           | 3°56           | 7°43          | 29°51          | 20°45          | 20°49          | 0°30          | 6° 5           | 5° 8          | 21°47 | 11°49  | T 4  |
| W 5  | 18 48 22 | 12° 5'20         | 18°59           | 6°49                | 25° 0           | 3°47           | 7°48          | 29°55          | 20°47          | 20°50          | 0°31          | 5°54           | 5° 5          | 21°54 | 11°55  | W 5  |
| T 6  | 18 52 19 | 13° 2'31         | 0 <b>∺</b> 51   | 8° 8                | 26°13           | 3°38           | 7°53          | 29°59          | 20°49          | 20°51          | 0°33          | 5°45           | 5° 2          | 22° 1 | 12° 2  | T 6  |
| F 7  | 18 56 15 | 13°59'42         | 12°42           | 9°26                | 27°26           | 3°28           | 7°57          | 0 <b>8</b> 3   | 20°52          | 20°52          | 0°34          | 5°39           | 4°59          | 22° 7 | 12° 8  | F 7  |
| S 8  | 19 0 12  | 14°56'53         | 24°36           | 10°40               | 28°39           | 3°17           | 8° 1          | 0° 7           | 20°54          | 20°53          | 0°36          | 5°34           | 4°56          | 22°14 | 12°14  | S 8  |
| S 9  | 19 4 8   | 15°54'05         | 6 <b>Ƴ</b> 37   | 11°52               | 29°53           | 3° 6           | 8° 5          | 0°10           | 20°57          | 20°54          | 0°38          | 5°32           | 4°53          | 22°21 | 12°20  | S 9  |
| M10  | 19 8 5   | 16°51'17         | 18°50           | 13° 2               | 195 6           | 2°54           | 8° 9          | 0°14           | 20°59          | 20°56          | 0°39          | 5°D32          | 4°49          | 22°28 | 12°26  | M10  |
| T 11 | 19 12 1  | 17°48'30         | 1821            | 14° 8               | 2°19            | 2°42           | 8°13          | 0°17           | 21° 1          | 20°57          | 0°41          | 5°R32          | 4°46          | 22°34 | 12°33  | T 11 |
| W12  | 19 15 58 | 18°45'43         | 14°14           | 15°12               | 3°32            | 2°29           | 8°17          | 0°20           | 21° 3          | 20°58          | 0°43          | 5°32           | 4°43          | 22°41 | 12°39  | W12  |
| T 13 | 19 19 55 | 19°42'56         | 27°32           | 16°13               | 4°46            | 2°16           | 8°20          | 0°24           | 21° 6          | 20°59          | 0°44          | 5°30           | 4°40          | 22°48 | 12°45  | T 13 |
| F 14 | 19 23 51 | 20°40'10         | 11 <b>II</b> 20 | 17°11               | 5°59            | 2° 2           | 8°23          | 0°27           | 21° 8          | 21° 1          | 0°46          | 5°27           | 4°37          | 22°54 | 12°51  | F 14 |
| S 15 | 19 27 48 | 21°37'25         | 25°36           | 18° 6               | 7°12            | 1°47           | 8°26          | 0°30           | 21°10          | 21° 2          | 0°48          | 5°20           | 4°34          | 23° 1 | 12°57  | S 15 |
| S 16 | 19 31 44 | 22°34'40         | 109517          | 18°58               | 8°26            | 1°32           | 8°29          | 0°33           | 21°12          | 21° 3          | 0°49          | 5°11           | 4°30          | 23° 8 | 13° 4  | S 16 |
| M17  | 19 35 41 | 23°31'56         | 25°16           | 19°46               | 9°39            | 1°17           | 8°31          | 0°36           | 21°14          | 21° 5          | 0°51          | 5° 1           | 4°27          | 23°15 | 13°10  | M17  |
| T 18 | 19 39 37 | 24°29'12         | 10 <b>Ω</b> 25  | 20°31               | 10°53           | 1° 2           | 8°34          | 0°39           | 21°16          | 21° 6          | 0°53          | 4°50           | 4°24          | 23°21 | 13°16  | T 18 |
| W19  | 19 43 34 | 25°26'28         | 25°32           | 21°12               | 12° 6           | 0°46           | 8°36          | 0°41           | 21°18          | 21° 7          | 0°54          | 4°41           | 4°21          | 23°28 | 13°22  | W19  |
| T 20 | 19 47 30 | 26°23'44         | 10 m 29         | 21°49               | 13°19           | 0°30           | 8°38          | 0°44           | 21°20          | 21° 9          | 0°56          | 4°33           | 4°18          | 23°35 | 13°28  | T 20 |
| F 21 | 19 51 27 | 27°21'01         | 25° 6           | 22°23               | 14°33           | 0°13           | 8°40          | 0°46           | 21°22          | 21°10          | 0°58          | 4°28           | 4°14          | 23°41 | 13°34  | F 21 |
| S 22 | 19 55 24 | 28°18'17         | 9 <b>≏</b> 21   | 22°52               | 15°46           | 29 <b>る</b> 57 | 8°41          | 0°49           | 21°23          | 21°12          | 0°59          | 4°25           | 4°11          | 23°48 | 13°40  | S 22 |
| S 23 | 19 59 20 | 29°15'35         | 23°11           | 23°17               | 17° 0           | 29°40          | 8°43          | 0°51           | 21°25          | 21°13          | 1° 1          | 4°24           | 4° 8          | 23°55 | 13°46  | S 23 |
| M24  | 20 3 17  | 0 <b>Ω</b> 12'52 | 6 <b>M</b> .39  | 23°38               | 18°13           | 29°24          | 8°44          | 0°53           | 21°27          | 21°15          | 1° 3          | 4°24           | 4° 5          | 24° 2 | 13°53  | M24  |
| T 25 | 20 7 13  | 1°10'10          | 19°45           | 23°54               | 19°27           | 29° 7          | 8°45          | 0°55           | 21°29          | 21°16          | 1° 4          | 4°24           | 4° 2          | 24° 8 | 13°59  | T 25 |
| W26  | 20 11 10 | 2° 7'28          | 2 <b>~</b> 34   | 24° 5               | 20°41           | 28°51          | 8°46          | 0°57           | 21°30          | 21°18          | 1° 6          | 4°22           | 3°59          | 24°15 | 14° 5  | W26  |
| T 27 | 20 15 6  | 3° 4'47          | 15° 8           | 24°12               | 21°54           | 28°34          | 8°47          | 0°59           | 21°32          | 21°19          | 1° 8          | 4°17           | 3°55          | 24°22 | 14°11  | T 27 |
| F 28 | 20 19 3  | 4° 2'06          | 27°31           | 24°R13              | 23° 8           | 28°18          | 8°47          | 1° 1           | 21°33          | 21°21          | 1° 9          | 4°10           | 3°52          | 24°28 | 14°17  | F 28 |
| S 29 | 20 22 59 | 4°59'26          | 9 <b>ප</b> 45   | 24° 9               | 24°22           | 28° 1          | 8°47          | 1° 3           | 21°35          | 21°23          | 1°11          | 4° 0           | 3°49          | 24°35 | 14°23  | S 29 |
| S 30 | 20 26 56 | 5°56'46          | 21°52           | 24° 1               | 25°35           | 27°45          | 8°R48         | 1° 4           | 21°36          | 21°24          | 1°13          | 3°48           | 3°46          | 24°42 | 14°29  | S 30 |
| M31  | 20 30 53 | 6 <b>Ω</b> 54'07 | 3≈52            | 23 <b>\Omega</b> 47 | 26949           | 27 <b>る</b> 30 | 8 <b>Ƴ</b> 47 | 18 6           | 21 <b>8</b> 38 | 21 Mp 26       | 1Ω14          | 3 <b>M</b> .34 | 3M43          | 24≈49 | 14935  | M31  |

Delta T = 24.28 sec

AUGUST 1939 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ            | ♂              | 4             | ħ            | 'n             | ¥              | Р             | S.             | ស             | Ç     | , k    | Day  |
|------|----------|------------------|----------------|----------------|--------------|----------------|---------------|--------------|----------------|----------------|---------------|----------------|---------------|-------|--------|------|
| T 1  | 20 34 49 | 7 <b>Ω</b> 51'29 | 15 <b>≈</b> 48 | 23°R28         | 289 3        | 27°R14         | 8°R47         | 1 <b>8</b> 7 | 21839          | 21 <b>m</b> 28 | 1 <b>N</b> 16 | 3°R20          | 3 <b>M</b> 40 | 24≈55 | 14940  | T 1  |
| W 2  | 20 38 46 | 8°48'52          | 27°41          | 230 4          | 29°16        | 26 <b>ප</b> 59 | 8 <b>Ƴ</b> 47 | 1° 9         | 21°40          | 21°30          | 1°18          | 3 <b>m</b> 7   | 3°36          | 25° 2 | 14°46  | W 2  |
| T 3  | 20 42 42 | 9°46'15          | 9 <b></b> ★32  | 22°36          | 0€30         | 26°44          | 8°46          | 1°10         | 21°42          | 21°31          | 1°19          | 2°57           | 3°33          | 25° 9 | 14°52  | T 3  |
| F 4  | 20 46 39 | 10°43'40         | 21°23          | 22° 3          | 1°44         | 26°30          | 8°45          | 1°11         | 21°43          | 21°33          | 1°21          | 2°48           | 3°30          | 25°15 | 14°58  | F 4  |
| S 5  | 20 50 35 | 11°41'06         | <b>3</b> Υ18   | 21°26          | 2°58         | 26°16          | 8°44          | 1°12         | 21°44          | 21°35          | 1°23          | 2°43           | 3°27          | 25°22 | 15° 4  | S 5  |
| S 6  | 20 54 32 | 12°38'33         | 15°19          | 20°45          | 4°12         | 26° 3          | 8°43          | 1°13         | 21°45          | 21°37          | 1°24          | 2°40           | 3°24          | 25°29 | 15°10  | S 6  |
| M 7  | 20 58 28 | 13°36'01         | 27°32          | 20° 1          | 5°26         | 25°50          | 8°41          | 1°14         | 21°46          | 21°38          | 1°26          | 2°39           | 3°20          | 25°36 | 15°15  | M 7  |
| T 8  | 21 2 25  | 14°33'30         | 108 1          | 19°15          | 6°39         | 25°37          | 8°39          | 1°14         | 21°47          | 21°40          | 1°28          | 2°39           | 3°17          | 25°42 | 15°21  | T 8  |
| W 9  | 21 6 22  | 15°31'01         | 22°50          | 18°28          | 7°53         | 25°26          | 8°37          | 1°15         | 21°48          | 21°42          | 1°29          | 2°38           | 3°14          | 25°49 | 15°27  | W 9  |
| T 10 | 21 10 18 | 16°28'33         | 6 <b>Ⅱ</b> 4   | 17°40          | 9° 7         | 25°14          | 8°35          | 1°15         | 21°49          | 21°44          | 1°31          | 2°37           | 3°11          | 25°56 | 15°33  | T 10 |
| F 11 | 21 14 15 | 17°26'07         | 19°47          | 16°52          | 10°21        | 25° 4          | 8°33          | 1°16         | 21°50          | 21°46          | 1°33          | 2°34           | 3° 8          | 26° 2 | 15°38  | F 11 |
| S 12 | 21 18 11 | 18°23'42         | 3 <b>9</b> 59  | 16° 5          | 11°35        | 24°54          | 8°31          | 1°16         | 21°51          | 21°48          | 1°34          | 2°28           | 3° 5          | 26° 9 | 15°44  | S 12 |
| S 13 | 21 22 8  | 19°21'19         | 18°39          | 15°20          | 12°49        | 24°45          | 8°28          | 1°16         | 21°52          | 21°50          | 1°36          | 2°20           | 3° 1          | 26°16 | 15°49  | S 13 |
| M14  | 21 26 4  | 20°18'57         | 3 <b>Ω</b> 41  | 14°38          | 14° 3        | 24°36          | 8°25          | 1°R16        | 21°53          | 21°52          | 1°37          | 2°10           | 2°58          | 26°23 | 15°55  | M14  |
| T 15 | 21 30 1  | 21°16'36         | 18°57          | 14° 0          | 15°18        | 24°29          | 8°22          | 1°16         | 21°53          | 21°54          | 1°39          | 2° 0           | 2°55          | 26°29 | 16° 0  | T 15 |
| W16  | 21 33 57 | 22°14'16         | 4 Mp 15        | 13°26          | 16°32        | 24°22          | 8°19          | 1°16         | 21°54          | 21°56          | 1°41          | 1°51           | 2°52          | 26°36 | 16° 6  | W16  |
| T 17 | 21 37 54 | 23°11'58         | 19°24          | 12°58          | 17°46        | 24°15          | 8°15          | 1°16         | 21°55          | 21°58          | 1°42          | 1°43           | 2°49          | 26°43 | 16°11  | T 17 |
| F 18 | 21 41 51 | 24° 9'41         | 4 <b>Ω</b> 15  | 12°35          | 19° 0        | 24°10          | 8°12          | 1°15         | 21°55          | 22° 0          | 1°44          | 1°38           | 2°45          | 26°49 | 16°17  | F 18 |
| S 19 | 21 45 47 | 25° 7'24         | 18°42          | 12°19          | 20°14        | 24° 6          | 8° 8          | 1°15         | 21°56          | 22° 2          | 1°45          | 1°36           | 2°42          | 26°56 | 16°22  | S 19 |
| S 20 | 21 49 44 | 26° 5'09         | 2 <b>M</b> .41 | 12°11          | 21°28        | 24° 2          | 8° 4          | 1°14         | 21°56          | 22° 4          | 1°47          | 1°D35          | 2°39          | 27° 3 | 16°27  | S 20 |
| M21  | 21 53 40 | 27° 2'55         | 16°13          | 12°D 9         | 22°42        | 23°59          | 8° 0          | 1°14         | 21°57          | 22° 6          | 1°49          | 1°35           | 2°36          | 27°10 | 16°33  | M21  |
| T 22 | 21 57 37 | 28° 0'43         | 29°20          | 12°15          | 23°57        | 23°57          | 7°55          | 1°13         | 21°57          | 22° 8          | 1°50          | 1°R36          | 2°33          | 27°16 | 16°38  | T 22 |
| W23  | 22 1 33  | 28°58'31         | 12 <b>₹</b> 6  | 12°29          | 25°11        | 23°56          | 7°51          | 1°12         | 21°57          | 22°10          | 1°52          | 1°35           | 2°30          | 27°23 | 16°43  | W23  |
| T 24 | 22 5 30  | 29°56'20         | 2 <u>4</u> °35 | 12°50          | 26°25        | 23°D55         | 7°46          | 1°11         | 21°58          | 22°12          | 1°53          | 1°32           | 2°26          | 27°30 | 16°48  | T 24 |
| F 25 | 22 9 26  | 0 <b>m</b> 54'11 | 6 <b>ප</b> 51  | 13°19          | 27°39        | 23°56          | 7°41          | 1°10         | 21°58          | 22°14          | 1°55          | 1°27           | 2°23          | 27°36 | 16°53  | F 25 |
| S 26 | 22 13 23 | 1°52'03          | 18°56          | 13°56          | 28°54        | 23°57          | 7°36          | 1° 9         | 21°58          | 22°16          | 1°56          | 1°19           | 2°20          | 27°43 | 16°58  | S 26 |
| S 27 | 22 17 20 | 2°49'57          | 0≈55           | 14°41          | 0Mp 8        | 23°59          | 7°31          | 1° 7         | 21°58          | 22°18          | 1°58          | 1°10           | 2°17          | 27°50 | 17° 3  | S 27 |
| M28  | 22 21 16 | 3°47'51          | 12°50          | 15°33          | 1°22         | 24° 2          | 7°26          | 1° 6         | 21°58          | 22°20          | 1°59          | 0°59           | 2°14          | 27°57 | 17° 8  | M28  |
| T 29 | 22 25 13 | 4°45'47          | 24°43          | 16°32          | 2°37         | 24° 5          | 7°20          | 1° 5         | 21°R58         | 22°23          | 2° 1          | 0°48           | 2°11          | 28° 3 | 17°13  | T 29 |
| W30  | 22 29 9  | 5°43'45          | 6 <b>∺</b> 34  | 17°38          | 3°51         | 2 <u>4</u> °10 | 7°15          | 1° 3         | 21°58          | 22°25          | 2° 2          | 0°38           | 2° 7          | 28°10 | 17°18  | W30  |
| T 31 | 22 33 6  | 6 <b>m</b> 41'44 | 18 <b>∺</b> 27 | 18 <b>Ω</b> 50 | 5 <b>m</b> 5 | 24 <b>궁</b> 15 | 7 <b>Υ</b> 9  | 18 1         | 21 <b>8</b> 58 | 22 Mp 27       | 2 <b>0</b> 3  | 0 <b>M</b> .30 | 2M 4          | 28≈17 | 179523 | T 31 |

Delta T = 24.30 sec

SEPTEMBER 1939 00:00 UT

| Day         | Sid.t                | 0                           | D                        | ğ                      | φ                      | ď                     | 4                      | ħ                                | )Å(            | ¥              | Р                    | n                               | Ω               | Ç                 | ę,             | Day         |
|-------------|----------------------|-----------------------------|--------------------------|------------------------|------------------------|-----------------------|------------------------|----------------------------------|----------------|----------------|----------------------|---------------------------------|-----------------|-------------------|----------------|-------------|
| F 1         | 22 37 2              | 7 <b>m</b> 39'45            | 0 <b>Υ</b> 23            | 20 <b>N</b> 8          | 6Mp20                  | 24 <b>ට</b> 21        | 7°R 3                  | 1°R 0                            | 21°R58         | 22 <b>m</b> 29 | 2 <b>N</b> 5         | 0°R23                           | 2M 1            | 28≈23             | 179528         | F 1         |
| S 2         | 22 40 59             | 8°37'48                     | 12°23                    | 21°32                  | 7°34                   | 24°28                 | 6 <b>Ƴ</b> 57          | 0 <b>8</b> 58                    | 21858          | 22°31          | 2° 6                 | 0 <b>M</b> _19                  | 1°58            | 28°30             | 17°32          | S 2         |
| S 3         | 22 44 55             | 9°35'52                     | 24°30                    | 23° 1                  | 8°49                   | 24°36                 | 6°51                   | 0°56                             | 21°57          | 22°33          | 2° 8                 | 0°D17                           | 1°55            | 28°37             | 17°37          | S 3         |
| M 4         | 22 48 52             | 10°33'59                    | 6 <b>8</b> 48            | 24°35                  | 10° 3                  | 24°44                 | 6°44                   | 0°54                             | 21°57          | 22°36          | 2° 9                 | 0°17                            | 1°51            | 28°43             | 17°41          | M 4         |
| T 5         | 22 52 48             | 11°32'07                    | 19°19                    | 26°12                  | 11°18                  | 24°54                 | 6°38                   | 0°51                             | 21°57          | 22°38          | 2°10                 | 0°18                            | 1°48            | 28°50             | 17°46          | T 5         |
| W 6         | 22 56 45             | 12°30'17                    | 2 <b>II</b> 9            | 27°54                  | 12°32                  | 25° 3                 | 6°31                   | 0°49                             | 21°56          | 22°40          | 2°12                 | 0°20                            | 1°45            | 28°57             | 17°50          | W 6         |
| T 7         | 23 0 42              | 13°28'30                    | 15°20                    | 29°38                  | 13°47                  | 25°14                 | 6°25                   | 0°47                             | 21°56          | 22°42          | 2°13                 | 0°R20                           | 1°42            | 29° 4             | 17°55          | T 7         |
| F 8<br>S 9  | 23 4 38<br>23 8 35   | 14°26'44<br>15°25'01        | 28°56<br>12 <b>9</b> 58  | 1 Mp 25<br>3°14        | 15° 1<br>16°16         | 25°26<br>25°38        | 6°18<br>6°11           | 0°44<br>0°42                     | 21°55<br>21°55 | 22°44<br>22°47 | 2°14<br>2°16         | 0°19<br>0°16                    | 1°39<br>1°36    | 29°10<br>29°17    | 17°59<br>18° 3 | F 8<br>S 9  |
|             |                      |                             |                          | _                      |                        |                       | _                      |                                  |                |                |                      | -                               |                 |                   |                |             |
| S 10        | 23 12 31             | 16°23'19                    | 27°26                    | 5° 5                   | 17°30                  | 25°50                 | 6° 4                   | 0°39                             | 21°54          | 22°49          | 2°17                 | 0°12                            | 1°32            | 29°24             | 18° 8          | S 10        |
| M11         | 23 16 28             | 17°21'40                    | 12\Omega16               | 6°57                   | 18°45<br>20° 0         | 26° 4                 | 5°57                   | 0°36                             | 21°54          | 22°51          | 2°18                 | 0° 6                            | 1°29            | 29°30             | 18°12          | M11         |
| T 12<br>W13 | 23 20 24<br>23 24 21 | 18°20'03<br>19°18'27        | 27°22<br>12 <b>m</b> )35 | 8°50<br>10°43          | 20° 0<br>21°14         | 26°18<br>26°33        | 5°49<br>5°42           | 0°34<br>0°31                     | 21°53<br>21°52 | 22°53<br>22°55 | 2°20<br>2°21         | 29 <b>\Omega</b> 59<br>29°54    | 1°26<br>1°23    | 29°37<br>29°44    | 18°16<br>18°20 | T 12<br>W13 |
| T 14        | 23 24 21 23 28 17    | 20°16'54                    | 27°43                    | 10°43                  | 21°14<br>22°29         | 26°49                 | 5°34                   | 0°28                             | 21°51          | 22°58          | 2°22                 | 29°49                           | 1°20            | 29°51             | 18°24          | T 14        |
| F 15        | 23 32 14             | 21°15'22                    | 12 <b>₽</b> 38           | 14°31                  | 23°43                  | 27° 5                 | 5°27                   | 0°25                             | 21°51          | 23° 0          | 2°23                 | 29°46                           | 1°17            | 29°57             | 18°28          | F 15        |
| S 16        | 23 36 11             | 22°13'52                    | 27°11                    | 16°24                  | 24°58                  | 27°22                 | 5°19                   | 0°21                             | 21°50          | 23° 2          | 2°24                 | 29°D45                          | 1°13            | 0 <b>)</b> 4      | 18°32          | S 16        |
| S 17        | 23 40 7              | 23°12'23                    | 11 <b>M</b> .19          | 18°18                  | 26°13                  | 27°39                 | 5°12                   | 0°18                             | 21°49          | 23° 4          | 2°26                 | 29°45                           | 1°10            | 0°11              | 18°36          | S 17        |
| M18         | 23 44 4              | 24°10'57                    | 24°59                    | 20°11                  | 27°27                  | 27°58                 | 5° 4                   | 0°15                             | 21°48          | 23° 7          | 2°27                 | 29°47                           | 1° 7            | 0°17              | 18°39          | M18         |
| T 19        | 23 48 0              | 25° 9'32                    | 8 <b>∡</b> 12            | 22° 3                  | 28°42                  | 28°16                 | 4°56                   | 0°11                             | 21°47          | 23° 9          | 2°28                 | 29°48                           | 1° 4            | 0°24              | 18°43          | T 19        |
| W20         | 23 51 57             | 26° 8'09                    | 2 <u>1</u> ° 2           | 23°55                  | 29°57                  | 28°36                 | 4°48                   | 0° 8                             | 21°46          | 23°11          | 2°29                 | 29°R49                          | 1° 1            | 0°31              | 18°46          | W20         |
| T 21        | 23 55 53             | 27° 6'47                    | 3 <b>⋜</b> 31            | 25°45                  | 1₽11                   | 28°56                 | 4°40                   | 0° 4                             | 21°45          | 23°13          | 2°30                 | 29°49                           | 0°57            | 0°37              | 18°50          | T 21        |
| F 22        | 23 59 50             | 28° 5'27                    | 15°46                    | 27°35                  | 2°26                   | 29°16                 | 4°32                   | 0° 1                             | 21°43          | 23°15          | 2°31                 | 29°48                           | 0°54            | 0°44              | 18°53          | F 22        |
| S 23        | 0 3 46               | 29° 4'09                    | 27°48                    | 29°25                  | 3°41                   | 29°37                 | 4°25                   | 29 <b>Y</b> 57                   | 21°42          | 23°18          | 2°32                 | 29°45                           | 0°51            | 0°51              | 18°57          | S 23        |
| S 24        | 0 7 43               | 0 <b>♀</b> 2'53             | 9 <b>≈</b> 44            | 1 <b>≏</b> 13          | 4°56                   | 29°59                 | 4°17                   | 29°53                            | 21°41          | 23°20          | 2°33                 | 29°41                           | 0°48            | 0°58              | 19° 0          | S 24        |
| M25         | 0 11 40              | 1° 1'38                     | 21°36                    | 3° 0                   | 6°10                   | 0≈21                  | 4° 9                   | 29°50                            | 21°40          | 23°22          | 2°34                 | 29°36                           | 0°45            | 1° 4              | 19° 3          | M25         |
| T 26        | 0 15 36              | 2° 0'25                     | 3 <b>)</b> €28           | 4°47                   | 7°25                   | 0°44                  | 4° 0                   | 29°46                            | 21°38          | 23°24          | 2°35                 | 29°31                           | 0°42            | 1°11              | 19° 6          | T 26        |
| W27<br>T 28 | 0 19 33              | 2°59'14<br>3°58'05          | 15°21<br>27°19           | 6°33<br>8°17           | 8°40<br>9°55           | 1° 7<br>1°30          | 3°52<br>3°44           | 29°42<br>29°38                   | 21°37<br>21°36 | 23°27<br>23°29 | 2°36<br>2°37         | 29°26<br>29°22                  | 0°38<br>0°35    | 1°18<br>1°24      | 19° 9<br>19°12 | W27<br>T 28 |
| F 29        | 0 23 29<br>0 27 26   | 4°56'58                     | $9\mathbf{Y}_{22}$       | 10° 1                  | 9°55                   | 1°55                  | 3°44<br>3°36           | 29°38<br>29°34                   | 21°36<br>21°34 | 23°29<br>23°31 | 2°38                 | 29°22<br>29°20                  | 0°35<br>0°32    | 1°24<br>1°31      | 19°12<br>19°15 | F 29        |
| S 30        | 0 27 20 0 31 22      | 4 30 38<br>5 <b>Ω</b> 55'53 | $21^{\circ}$ 33          | 10 1<br>11 <b>≏</b> 44 | 11 9<br>12 <b>Ω</b> 24 | 1 33<br>2 <b>≈</b> 19 | $3^{\circ}7^{\circ}28$ | $29^{\circ}34$<br>$29^{\circ}29$ | 21833          | 23 My 33       | $2\Omega_{39}^{238}$ | 29 <u>2</u> 0<br>29 <u>₽</u> 18 | 0 32<br>0 ML 29 | 1 <del>X</del> 38 | 19 13          | S 30        |

Delta T = 24.32 sec

OCTOBER 1939 00:00 UT

| Day  | Sid.t   | $\odot$          | D              | ğ              | φ              | ♂ <sup>™</sup> | 4              | ħ              | )f(    | ¥        | Р             | ß              | သ              | Ç               | ę,     | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------|---------------|----------------|----------------|-----------------|--------|------|
| S 1  | 0 35 19 | 6 <b>₽</b> 54'50 | 3 <b>8</b> 53  | 13 <b>≏</b> 26 | 13 <b>≏</b> 39 | 2≈44           | 3°R20          | 29°R25         | 21°R31 | 23 Mp 35 | 2 <b>Ω</b> 40 | 29°D18         | 0M26           | 1 <b>) (</b> 44 | 199521 | S 1  |
| M 2  | 0 39 15 | 7°53'49          | 16°24          | 15° 7          | 14°54          | 3°10           | 3 <b>Υ</b> 12  | 29 <b>Y</b> 21 | 21830  | 23°37    | 2°41          | 29 <b>≏</b> 19 | 0°22           | 1°51            | 19°24  | M 2  |
| T 3  | 0 43 12 | 8°52'50          | 29° 8          | 16°47          | 16° 8          | 3°36           | 3° 4           | 29°17          | 21°28  | 23°40    | 2°41          | 29°20          | 0°19           | 1°58            | 19°26  | T 3  |
| W 4  | 0 47 8  | 9°51'54          | 12 <b>II</b> 6 | 18°26          | 17°23          | 4° 2           | 2°56           | 29°12          | 21°26  | 23°42    | 2°42          | 29°22          | 0°16           | 2° 5            | 19°29  | W 4  |
| T 5  | 0 51 5  | 10°51'00         | 25°21          | 20° 5          | 18°38          | 4°29           | 2°49           | 29° 8          | 21°25  | 23°44    | 2°43          | 29°23          | 0°13           | 2°11            | 19°31  | T 5  |
| F 6  | 0 55 2  | 11°50'08         | 8956           | 21°42          | 19°53          | 4°56           | 2°41           | 29° 4          | 21°23  | 23°46    | 2°44          | 29°R24         | 0°10           | 2°18            | 19°33  | F 6  |
| S 7  | 0 58 58 | 12°49'19         | 22°50          | 23°19          | 21° 8          | 5°23           | 2°33           | 28°59          | 21°21  | 23°48    | 2°44          | 29°24          | 0° 7           | 2°25            | 19°36  | S 7  |
| S 8  | 1 2 55  | 13°48'32         | 7 <b>Ω</b> 3   | 24°55          | 22°23          | 5°51           | 2°25           | 28°55          | 21°19  | 23°50    | 2°45          | 29°23          | 0° 3           | 2°31            | 19°38  | S 8  |
| M 9  | 1 651   | 14°47'47         | 21°34          | 26°31          | 23°37          | 6°20           | 2°17           | 28°50          | 21°17  | 23°52    | 2°46          | 29°21          | 0° 0           | 2°38            | 19°40  | M 9  |
| T 10 | 1 10 48 | 15°47'05         | 6 <b>m</b> p19 | 28° 5          | 24°52          | 6°48           | 2°10           | 28°46          | 21°16  | 23°55    | 2°47          | 29°19          | 29 <b>≏</b> 57 | 2°45            | 19°42  | T 10 |
| W11  | 1 14 44 | 16°46'25         | 21°10          | 29°39          | 26° 7          | 7°17           | 2° 2           | 28°41          | 21°14  | 23°57    | 2°47          | 29°18          | 29°54          | 2°51            | 19°44  | W11  |
| T 12 | 1 18 41 | 17°45'47         | 6 <b>º</b> 1   | 1 <b>M</b> 12  | 27°22          | 7°47           | 1°55           | 28°36          | 21°12  | 23°59    | 2°48          | 29°17          | 29°51          | 2°58            | 19°46  | T 12 |
| F 13 | 1 22 37 | 18°45'11         | 20°44          | 2°45           | 28°37          | 8°17           | 1°47           | 28°32          | 21°10  | 24° 1    | 2°48          | 29°16          | 29°48          | 3° 5            | 19°47  | F 13 |
| S 14 | 1 26 34 | 19°44'37         | 5 <b>M</b> 12  | 4°17           | 29°52          | 8°47           | 1°40           | 28°27          | 21° 8  | 24° 3    | 2°49          | 29°D16         | 29°44          | 3°12            | 19°49  | S 14 |
| S 15 | 1 30 31 | 20°44'05         | 19°20          | 5°48           | 1 <b>M</b> 6   | 9°17           | 1°33           | 28°22          | 21° 6  | 24° 5    | 2°49          | 29°16          | 29°41          | 3°18            | 19°51  | S 15 |
| M16  | 1 34 27 | 21°43'35         | 3 <b>∡</b> 7 3 | 7°18           | 2°21           | 9°48           | 1°26           | 28°17          | 21° 4  | 24° 7    | 2°50          | 29°17          | 29°38          | 3°25            | 19°52  | M16  |
| T 17 | 1 38 24 | 22°43'07         | 16°22          | 8°48           | 3°36           | 10°19          | 1°19           | 28°13          | 21° 2  | 24° 9    | 2°50          | 29°18          | 29°35          | 3°32            | 19°54  | T 17 |
| W18  | 1 42 20 | 23°42'41         | 29°17          | 10°17          | 4°51           | 10°50          | 1°12           | 28° 8          | 20°59  | 24°11    | 2°51          | 29°18          | 29°32          | 3°38            | 19°55  | W18  |
| T 19 | 1 46 17 | 24°42'17         | 11 <b>る</b> 51 | 11°45          | 6° 6           | 11°22          | 1° 5           | 28° 3          | 20°57  | 24°13    | 2°51          | 29°19          | 29°28          | 3°45            | 19°56  | T 19 |
| F 20 | 1 50 13 | 25°41'54         | 24° 7          | 13°13          | 7°21           | 11°54          | 0°59           | 27°58          | 20°55  | 24°15    | 2°52          | 29°R19         | 29°25          | 3°52            | 19°57  | F 20 |
| S 21 | 1 54 10 | 26°41'33         | 6≈11           | 14°39          | 8°36           | 12°26          | 0°52           | 27°54          | 20°53  | 24°17    | 2°52          | 29°19          | 29°22          | 3°58            | 19°58  | S 21 |
| S 22 | 1 58 6  | 27°41'14         | 18° 6          | 16° 6          | 9°51           | 12°59          | 0°46           | 27°49          | 20°51  | 24°19    | 2°53          | 29°19          | 29°19          | 4° 5            | 19°59  | S 22 |
| M23  | 2 2 3   | 28°40'56         | 29°57          | 17°31          | 11° 5          | 13°32          | 0°40           | 27°44          | 20°49  | 24°21    | 2°53          | 29°18          | 29°16          | 4°12            | 20° 0  | M23  |
| T 24 | 2 6 0   | 29°40'40         | 11 <b>米</b> 49 | 18°55          | 12°20          | 14° 5          | 0°33           | 27°39          | 20°46  | 24°23    | 2°53          | 29°D18         | 29°13          | 4°19            | 20° 1  | T 24 |
| W25  | 2 9 56  | 0M40'26          | 23°45          | 20°19          | 13°35          | 14°38          | 0°28           | 27°34          | 20°44  | 24°25    | 2°53          | 29°19          | 29° 9          | 4°25            | 20° 2  | W25  |
| T 26 | 2 13 53 | 1°40'14          | 5 <b>Ƴ</b> 49  | 21°42          | 14°50          | 15°11          | 0°22           | 27°30          | 20°42  | 24°26    | 2°54          | 29°19          | 29° 6          | 4°32            | 20° 2  | T 26 |
| F 27 | 2 17 49 | 2°40'03          | 18° 2          | 23° 4          | 16° 5          | 15°45          | 0°16           | 27°25          | 20°39  | 24°28    | 2°54          | 29°19          | 29° 3          | 4°39            | 20° 3  | F 27 |
| S 28 | 2 21 46 | 3°39'55          | 0 <b>8</b> 27  | 24°25          | 17°20          | 16°19          | 0°11           | 27°20          | 20°37  | 24°30    | 2°54          | 29°R19         | 29° 0          | 4°45            | 20° 3  | S 28 |
| S 29 | 2 25 42 | 4°39'48          | 13° 4          | 25°45          | 18°35          | 16°53          | 0° 5           | 27°15          | 20°35  | 24°32    | 2°54          | 29°19          | 28°57          | 4°52            | 20° 3  | S 29 |
| M30  | 2 29 39 | 5°39'44          | 25°56          | 27° 4          | 19°50          | 17°28          | 0° 0           | 27°11          | 20°32  | 24°34    | 2°55          | 29°18          | 28°53          | 4°59            | 20° 4  | M30  |
| T 31 | 2 33 35 | 6 <b>M</b> 39'41 | 9耳 1           | 28 <b>M</b> 22 | 21 <b>M</b> 4  | 18 <b>≈</b> 3  | 29 <b>∺</b> 55 | 27 <b>Y</b> 6  | 20830  | 24 Mp 35 | $2\Omega$ 55  | 29 <b>≏</b> 18 | 28 <b>♀</b> 50 | 5 <b>米</b> 5    | 2095 4 | T 31 |

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NOVEMBER 1939 00:00 UT

| Day  | Sid.t   | 0                 | D               | ğ               | ·               | ď              | 4              | ħ              | )f(            | ¥        | Р             | ß              | v              | ţ             | ę,     | Day  |
|------|---------|-------------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------|---------------|----------------|----------------|---------------|--------|------|
| W 1  | 2 37 32 | 7 <b>M</b> 39'41  | 22 <b>I</b> I19 | 29 <b>TL</b> 38 | 22 <b>IL</b> 19 | 18 <b>≈</b> 37 | 29°R50         | 27°R 1         | 20°R27         | 24 M 37  | 2 <b>N</b> 55 | 29°R17         | 28 <b>≏</b> 47 | 5 <b>)</b> 12 | 20°R 4 | W 1  |
| T 2  | 2 41 29 | 8°39'42           | 5950            | 0 <b>≯</b> 53   | 23°34           | 19°12          | 29 <b>)</b> 46 | 26 <b>℃</b> 57 | 20825          | 24°39    | 2°55          | 29 <b>≏</b> 16 | 28°44          | 5°19          | 2095 4 | T 2  |
| F 3  | 2 45 25 | 9°39'46           | 19°34           | 2° 6            | 24°49           | 19°48          | 29°41          | 26°52          | 20°23          | 24°41    | 2°55          | 29°15          | 28°41          | 5°26          | 20° 4  | F 3  |
| S 4  | 2 49 22 | 10°39'52          | 3 <b>Ω</b> 29   | 3°17            | 26° 4           | 20°23          | 29°37          | 26°48          | 20°20          | 24°42    | 2°R55         | 29°14          | 28°38          | 5°32          | 20° 3  | S 4  |
| S 5  | 2 53 18 | 11°40'00          | 17°35           | 4°27            | 27°19           | 20°59          | 29°33          | 26°43          | 20°18          | 24°44    | 2°55          | 29°D14         | 28°34          | 5°39          | 20° 3  | S 5  |
| M 6  | 2 57 15 | 12°40'10          | 1 <b>m</b> 49   | 5°34            | 28°34           | 21°35          | 29°29          | 26°38          | 20°15          | 24°46    | 2°55          | 29°15          | 28°31          | 5°46          | 20° 3  | M 6  |
| T 7  | 3 1 11  | 13°40'22          | 16°10           | 6°39            | 29°49           | 22°11          | 29°25          | 26°34          | 20°13          | 24°47    | 2°55          | 29°16          | 28°28          | 5°52          | 20° 2  | T 7  |
| W 8  | 3 5 8   | 14°40'36          | 0 <b>ჲ</b> 34   | 7°42            | 1 <b>才</b> 3    | 22°47          | 29°22          | 26°30          | 20°10          | 24°49    | 2°55          | 29°17          | 28°25          | 5°59          | 20° 2  | W 8  |
| T 9  | 3 9 4   | 15°40'52          | 14°58           | 8°41            | 2°18            | 23°23          | 29°18          | 26°25          | 20° 8          | 24°50    | 2°55          | 29°18          | 28°22          | 6° 6          | 20° 1  | T 9  |
| F 10 | 3 13 1  | 16°41'11          | 29°16           | 9°36            | 3°33            | 23°59          | 29°15          | 26°21          | 20° 5          | 24°52    | 2°54          | 29°R18         | 28°19          | 6°12          | 20° 0  | F 10 |
| S 11 | 3 16 58 | 17°41'30          | 13 <b>M</b> 25  | 10°28           | 4°48            | 24°36          | 29°12          | 26°17          | 20° 3          | 24°53    | 2°54          | 29°18          | 28°15          | 6°19          | 19°59  | S 11 |
| S 12 | 3 20 54 | 18°41'52          | 27°19           | 11°16           | 6° 3            | 25°13          | 29° 9          | 26°12          | 20° 0          | 24°55    | 2°54          | 29°16          | 28°12          | 6°26          | 19°58  | S 12 |
| M13  | 3 24 51 | 19°42'16          | 10 <b>₹</b> 55  | 11°59           | 7°18            | 25°50          | 29° 7          | 26° 8          | 19°58          | 24°56    | 2°54          | 29°14          | 28° 9          | 6°32          | 19°57  | M13  |
| T 14 | 3 28 47 | 20°42'41          | 24°12           | 12°36           | 8°33            | 26°27          | 29° 5          | 26° 4          | 19°55          | 24°58    | 2°54          | 29°10          | 28° 6          | 6°39          | 19°56  | T 14 |
| W15  | 3 32 44 | 21°43'07          | 7중 7            | 13° 7           | 9°48            | 27° 4          | 29° 2          | 26° 0          | 19°53          | 24°59    | 2°53          | 29° 7          | 28° 3          | 6°46          | 19°55  | W15  |
| T 16 | 3 36 40 | 22°43'35          | 19°43           | 13°31           | 11° 2           | 27°42          | 29° 0          | 25°56          | 19°50          | 25° 1    | 2°53          | 29° 3          | 27°59          | 6°53          | 19°53  | T 16 |
| F 17 | 3 40 37 | 23°44'04          | 2 <b>≈</b> 2    | 13°48           | 12°17           | 28°19          | 28°59          | 25°52          | 19°48          | 25° 2    | 2°53          | 29° 1          | 27°56          | 6°59          | 19°52  | F 17 |
| S 18 | 3 44 33 | 24°44'35          | 14° 7           | 13°R57          | 13°32           | 28°57          | 28°57          | 25°48          | 19°45          | 25° 3    | 2°52          | 28°59          | 27°53          | 7° 6          | 19°50  | S 18 |
| S 19 | 3 48 30 | 25°45'07          | 26° 3           | 13°56           | 14°47           | 29°35          | 28°56          | 25°44          | 19°43          | 25° 5    | 2°52          | 28°D58         | 27°50          | 7°13          | 19°49  | S 19 |
| M20  | 3 52 27 | 26°45'40          | 7 <b>) (</b> 54 | 13°46           | 16° 2           | 0 <b>)</b> 13  | 28°55          | 25°40          | 19°40          | 25° 6    | 2°52          | 28°59          | 27°47          | 7°19          | 19°47  | M20  |
| T 21 | 3 56 23 | 27°46'14          | 19°45           | 13°26           | 17°17           | 0°51           | 28°54          | 25°37          | 19°38          | 25° 7    | 2°51          | 29° 0          | 27°44          | 7°26          | 19°45  | T 21 |
| W22  | 4 0 20  | 28°46'49          | 1 <b>Υ</b> 42   | 12°55           | 18°32           | 1°29           | 28°53          | 25°33          | 19°36          | 25° 8    | 2°51          | 29° 2          | 27°40          | 7°33          | 19°44  | W22  |
| T 23 | 4 4 16  | 29°47'26          | 13°49           | 12°14           | 19°46           | 2° 7           | 28°53          | 25°30          | 19°33          | 25°10    | 2°50          | 29° 4          | 27°37          | 7°39          | 19°42  | T 23 |
| F 24 | 4 8 13  | 0 <b>,</b> 748′04 | 26° 9           | 11°22           | 21° 1           | 2°46           | 28°52          | 25°26          | 19°31          | 25°11    | 2°50          | 29°R 5         | 27°34          | 7°46          | 19°40  | F 24 |
| S 25 | 4 12 9  | 1°48'43           | 8 <b>8</b> 46   | 10°20           | 22°16           | 3°24           | 28°D52         | 25°23          | 19°28          | 25°12    | 2°49          | 29° 4          | 27°31          | 7°53          | 19°38  | S 25 |
| S 26 | 4 16 6  | 2°49'24           | 21°41           | 9°10            | 23°31           | 4° 3           | 28°52          | 25°20          | 19°26          | 25°13    | 2°49          | 29° 2          | 27°28          | 7°59          | 19°35  | S 26 |
| M27  | 4 20 2  | 3°50'06           | 4 <b>Ⅱ</b> 55   | 7°54            | 24°46           | 4°41           | 28°53          | 25°16          | 19°23          | 25°14    | 2°48          | 28°59          | 27°25          | 8° 6          | 19°33  | M27  |
| T 28 | 4 23 59 | 4°50'49           | 18°26           | 6°33            | 26° 0           | 5°20           | 28°53          | 25°13          | 19°21          | 25°15    | 2°48          | 28°53          | 27°21          | 8°13          | 19°31  | T 28 |
| W29  | 4 27 56 | 5°51'33           | 29612           | 5°11            | 27°15           | 5°59           | 28°54          | 25°10          | 19°19          | 25°16    | 2°47          | 28°47          | 27°18          | 8°20          | 19°28  | W29  |
| T 30 | 4 31 52 | 6 <b>₹</b> 152'19 | 169510          | 3 <b>,</b> 749  | 28 <b>₹</b> 30  | 6 <b>∺</b> 38  | 28 <b>米</b> 55 | 25 <b>℃</b> 7  | 19 <b>8</b> 16 | 25 Mg 17 | 2 <b>Ω</b> 46 | 28 <b>≏</b> 41 | 27 <b>≙</b> 15 | 8 <b>∺</b> 26 | 199526 | T 30 |

Delta T = 24.37 sec

DECEMBER 1939 00:00 UT

| Day  | Sid.t   | 0                  | D               | φ              | Ŷ              | o <sup>7</sup> | 4              | ħ              | )γ(            | ¥               | 2             | ß              | Ω              | ţ              | Š      | Day  |
|------|---------|--------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|---------------|----------------|----------------|----------------|--------|------|
| F 1  | 4 35 49 | 7 <b>.</b> ₹153'07 | 0Ω15            | 2°R32          | 29 <b>х</b> 45 | 7 <b>)(</b> 17 | 28 <b>)</b> 56 | 25°R 4         | 19°R14         | 25 <b>m</b> )18 | 2°R46         | 28°R36         | 27 <b>⊆</b> 12 | 8 <b>)(</b> 33 | 19°R23 | F 1  |
| S 2  | 4 39 45 | 8°53'55            | 14°25           | 1 <b>₹</b> 20  | 1る 0           | 7°56           | 28°58          | 25 <b>Y</b> 2  | 19 <b>8</b> 12 | 25°19           | 2 <b>Ω</b> 45 | 28 <b>≏</b> 31 | 27° 9          | 8°40           | 199521 | S 2  |
| S 3  | 4 43 42 | 9°54'45            | 28°36           | 0°17           | 2°14           | 8°35           | 28°59          | 24°59          | 19° 9          | 25°20           | 2°44          | 28°29          | 27° 5          | 8°46           | 19°18  | S 3  |
| M 4  | 4 47 38 | 10°55'37           | 12 <b>M</b> )45 | 29 <b>m</b> 24 | 3°29           | 9°15           | 29° 1          | 24°56          | 19° 7          | 25°21           | 2°44          | 28°D28         | 27° 2          | 8°53           | 19°15  | M 4  |
| T 5  | 4 51 35 | 11°56'30           | 26°51           | 28°42          | 4°44           | 9°54           | 29° 3          | 24°54          | 19° 5          | 25°22           | 2°43          | 28°29          | 26°59          | 9° 0           | 19°12  | T 5  |
| W 6  | 4 55 31 | 12°57'24           | 10 <b>≏</b> 53  | 28°11          | 5°59           | 10°33          | 29° 5          | 24°51          | 19° 3          | 25°22           | 2°42          | 28°31          | 26°56          | 9° 6           | 19° 9  | W 6  |
| T 7  | 4 59 28 | 13°58'20           | 24°50           | 27°52          | 7°13           | 11°13          | 29° 7          | 24°49          | 19° 0          | 25°23           | 2°41          | 28°R31         | 26°53          | 9°13           | 19° 6  | T 7  |
| F 8  | 5 3 25  | 14°59'17           | 8 <b>M</b> .40  | 27°D44         | 8°28           | 11°52          | 29°10          | 24°47          | 18°58          | 25°24           | 2°40          | 28°31          | 26°50          | 9°20           | 19° 3  | F 8  |
| S 9  | 5 7 21  | 16° 0'15           | 22°21           | 27°46          | 9°43           | 12°32          | 29°13          | 24°45          | 18°56          | 25°24           | 2°40          | 28°29          | 26°46          | 9°26           | 19° 0  | S 9  |
| S 10 | 5 11 18 | 17° 1'14           | 5 <b>₹</b> 52   | 27°59          | 10°58          | 13°12          | 29°16          | 24°43          | 18°54          | 25°25           | 2°39          | 28°24          | 26°43          | 9°33           | 18°57  | S 10 |
| M11  | 5 15 14 | 18° 2'14           | 1 <u>9</u> °11  | 28°20          | 12°12          | 13°51          | 29°19          | 24°41          | 18°52          | 25°26           | 2°38          | 28°16          | 26°40          | 9°40           | 18°54  | M11  |
| T 12 | 5 19 11 | 19° 3'15           | 2 <b>ਰ</b> 14   | 28°49          | 13°27          | 14°31          | 29°22          | 24°39          | 18°50          | 25°26           | 2°37          | 28° 7          | 26°37          | 9°47           | 18°50  | T 12 |
| W13  | 5 23 7  | 20° 4'17           | 15° 2           | 29°26          | 14°42          | 15°11          | 29°26          | 24°37          | 18°48          | 25°27           | 2°36          | 27°57          | 26°34          | 9°53           | 18°47  | W13  |
| T 14 | 5 27 4  | 21° 5'20           | 27°34           | 0 <b>才</b> 9   | 15°56          | 15°51          | 29°30          | 24°36          | 18°46          | 25°27           | 2°35          | 27°47          | 26°31          | 10° 0          | 18°44  | T 14 |
| F 15 | 5 31 0  | 22° 6'23           | 9 <b>≈</b> 51   | 0°58           | 17°11          | 16°31          | 29°34          | 24°34          | 18°44          | 25°28           | 2°34          | 27°39          | 26°27          | 10° 7          | 18°40  | F 15 |
| S 16 | 5 34 57 | 23° 7'26           | 21°56           | 1°52           | 18°26          | 17°11          | 29°38          | 24°33          | 18°42          | 25°28           | 2°33          | 27°31          | 26°24          | 10°13          | 18°37  | S 16 |
| S 17 | 5 38 54 | 24° 8'30           | 3 <b>)</b> (51  | 2°50           | 19°40          | 17°51          | 29°42          | 24°32          | 18°40          | 25°29           | 2°32          | 27°27          | 26°21          | 10°20          | 18°33  | S 17 |
| M18  | 5 42 50 | 25° 9'35           | 15°40           | 3°53           | 20°55          | 18°32          | 29°47          | 24°31          | 18°38          | 25°29           | 2°31          | 27°24          | 26°18          | 10°27          | 18°29  | M18  |
| T 19 | 5 46 47 | 26°10'40           | 27°30           | 4°59           | 22°10          | 19°12          | 29°51          | 24°29          | 18°36          | 25°29           | 2°30          | 27°D24         | 26°15          | 10°33          | 18°26  | T 19 |
| W20  | 5 50 43 | 27°11'45           | 9 <b>Υ</b> 25   | 6° 7           | 23°24          | 19°52          | 29°56          | 24°29          | 18°34          | 25°30           | 2°29          | 27°24          | 26°11          | 10°40          | 18°22  | W20  |
| T 21 | 5 54 40 | 28°12'50           | 21°31           | 7°19           | 24°39          | 20°32          | 0 <b>Υ</b> 1   | 24°28          | 18°33          | 25°30           | 2°28          | 27°R25         | 26° 8          | 10°47          | 18°18  | T 21 |
| F 22 | 5 58 36 | 29°13'56           | 3 <b>8</b> 53   | 8°33           | 25°53          | 21°13          | 0° 7           | 24°27          | 18°31          | 25°30           | 2°27          | 27°25          | 26° 5          | 10°53          | 18°14  | F 22 |
| S 23 | 6 2 33  | 0중15'01            | 16°34           | 9°48           | 27° 8          | 21°53          | 0°12           | 24°26          | 18°29          | 25°31           | 2°26          | 27°23          | 26° 2          | 11° 0          | 18°11  | S 23 |
| S 24 | 6 6 29  | 1°16'08            | 29°39           | 11° 6          | 28°22          | 22°34          | 0°18           | 24°26          | 18°28          | 25°31           | 2°25          | 27°19          | 25°59          | 11° 7          | 18° 7  | S 24 |
| M25  | 6 10 26 | 2°17'14            | 13 <b>II</b> 9  | 12°25          | 29°37          | 23°14          | 0°24           | 24°25          | 18°26          | 25°31           | 2°24          | 27°12          | 25°56          | 11°13          | 18° 3  | M25  |
| T 26 | 6 14 23 | 3°18'21            | 27° 2           | 13°45          | 0≈51           | 23°54          | 0°30           | 24°25          | 18°24          | 25°31           | 2°22          | 27° 3          | 25°52          | 11°20          | 17°59  | T 26 |
| W27  | 6 18 19 | 4°19'28            | 119915          | 15° 7          | 2° 6           | 24°35          | 0°36           | 24°25          | 18°23          | 25°31           | 2°21          | 26°52          | 25°49          | 11°27          | 17°55  | W27  |
| T 28 | 6 22 16 | 5°20'35            | 25°42           | 16°30          | 3°20           | 25°15          | 0°42           | 24°D25         | 18°21          | 25°31           | 2°20          | 26°40          | 25°46          | 11°33          | 17°51  | T 28 |
| F 29 | 6 26 12 | 6°21'43            | 10 <b>Ω</b> 17  | 17°54          | 4°35           | 25°56          | 0°49           | 24°25          | 18°20          | 25°R31          | 2°19          | 26°30          | 25°43          | 11°40          | 17°47  | F 29 |
| S 30 | 6 30 9  | 7°22'51            | 24°52           | 19°18          | 5°49           | 26°37          | 0°55           | 24°25          | 18°19          | 25°31           | 2°18          | 26°22          | 25°40          | 11°47          | 17°43  | S 30 |
| S 31 | 6 34 5  | 8 <b>ට</b> 23'59   | 9 <b>m</b> 21   | 20 <b>х</b> 44 | 7≈ 3           | 27 <b>米</b> 17 | 1 <b>Υ</b> 2   | 24 <b>Y</b> 25 | 18 <b>8</b> 17 | 25 <b>m</b> 31  | 2 <b>Ω</b> 17 | 26 <b>₽</b> 16 | 25 <b>≙</b> 37 | 11 <b>米</b> 54 | 17939  | S 31 |

Delta T = 24.40 sec

JANUARY 1940 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ              | φ              | ď              | 4             | ħ              | )Å(            | 并              | Р             | ß              | Ω              | Ç              | ę,     | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|--------|------|
| M 1  | 6 38 2  | 9 <b>ට</b> 25'08 | 23 Mp 40       | 22 <b>×</b> 10 | 8≈18           | 27 <b>)</b> 58 | 1 <b>Υ</b> 9  | 24Υ26          | 18°R16         | 25°R31         | 2°R15         | 26°R13         | 25 <b>₾</b> 33 | 12 <b>)</b> 0  | 17°R34 | M 1  |
| T 2  | 6 41 58 | 10°26'17         | 7 <u>₽</u> 47  | 23°37          | 9°32           | 28°38          | 1°16          | 24°26          | 18 <b>8</b> 15 | 25 <b>m</b> 31 | 2Ω14          | 26°D12         | 25°30          | 12° 7          | 17930  | T 2  |
| W 3  | 6 45 55 | 11°27'27         | 21°40          | 25° 5          | 10°46          | 29°19          | 1°24          | 24°27          | 18°13          | 25°31          | 2°13          | 26°R12         | 25°27          | 12°14          | 17°26  | W 3  |
| T 4  | 6 49 52 | 12°28'37         | 5 <b>M</b> 20  | 26°33          | 12° 1          | 29°59          | 1°31          | 24°28          | 18°12          | 25°30          | 2°12          | 26 <b>₽</b> 12 | 25°24          | 12°20          | 17°22  | T 4  |
| F 5  | 6 53 48 | 13°29'47         | 18°48          | 28° 1          | 13°15          | 0 <b>Υ</b> 41  | 1°39          | 24°28          | 18°11          | 25°30          | 2°10          | 26°10          | 25°21          | 12°27          | 17°18  | F 5  |
| S 6  | 6 57 45 | 14°30'57         | 2 <b>,₹</b> 5  | 29°30          | 14°29          | 1°21           | 1°47          | 24°29          | 18°10          | 25°30          | 2° 9          | 26° 6          | 25°17          | 12°34          | 17°14  | S 6  |
| S 7  | 7 141   | 15°32'08         | 15°12          | 1る 0           | 15°43          | 2° 2           | 1°55          | 24°30          | 18° 9          | 25°30          | 2° 8          | 25°58          | 25°14          | 12°40          | 17° 9  | S 7  |
| M 8  | 7 5 38  | 16°33'19         | 28° 8          | 2°30           | 16°57          | 2°43           | 2° 3          | 24°32          | 18° 8          | 25°29          | 2° 7          | 25°48          | 25°11          | 12°47          | 17° 5  | M 8  |
| T 9  | 7 9 34  | 17°34'29         | 10 <b>る</b> 53 | 4° 1           | 18°12          | 3°24           | 2°11          | 24°33          | 18° 7          | 25°29          | 2° 5          | 25°35          | 25° 8          | 12°54          | 17° 1  | T 9  |
| W10  | 7 13 31 | 18°35'39         | 23°26          | 5°32           | 19°26          | 4° 4           | 2°19          | 24°34          | 18° 6          | 25°28          | 2° 4          | 25°20          | 25° 5          | 13° 0          | 16°57  | W10  |
| T 11 | 7 17 28 | 19°36'49         | 5≈48           | 7° 4           | 20°40          | 4°45           | 2°28          | 24°36          | 18° 5          | 25°28          | 2° 3          | 25° 6          | 25° 2          | 13° 7          | 16°53  | T 11 |
| F 12 | 7 21 24 | 20°37'59         | 17°58          | 8°36           | 21°54          | 5°26           | 2°37          | 24°37          | 18° 4          | 25°27          | 2° 1          | 24°52          | 24°58          | 13°14          | 16°48  | F 12 |
| S 13 | 7 25 21 | 21°39'08         | 29°58          | 10° 8          | 23° 8          | 6° 7           | 2°45          | 24°39          | 18° 4          | 25°27          | 2° 0          | 24°41          | 24°55          | 13°20          | 16°44  | S 13 |
| S 14 | 7 29 17 | 22°40'17         | 11 <b>米</b> 51 | 11°41          | 24°22          | 6°48           | 2°54          | 24°41          | 18° 3          | 25°26          | 1°59          | 24°33          | 24°52          | 13°27          | 16°40  | S 14 |
| M15  | 7 33 14 | 23°41'25         | 23°39          | 13°15          | 25°36          | 7°29           | 3° 3          | 24°43          | 18° 2          | 25°26          | 1°57          | 24°27          | 24°49          | 13°34          | 16°36  | M15  |
| T 16 | 7 37 10 | 24°42'32         | 5 <b>℃</b> 27  | 14°48          | 26°49          | 8°10           | 3°13          | 24°45          | 18° 2          | 25°25          | 1°56          | 24°25          | 24°46          | 13°40          | 16°32  | T 16 |
| W17  | 7 41 7  | 25°43'39         | 17°19          | 16°23          | 28° 3          | 8°51           | 3°22          | 24°47          | 18° 1          | 25°25          | 1°55          | 24°24          | 24°43          | 13°47          | 16°27  | W17  |
| T 18 | 7 45 3  | 26°44'45         | 29°22          | 17°58          | 29°17          | 9°31           | 3°32          | 24°49          | 18° 1          | 25°24          | 1°53          | 24°24          | 24°39          | 13°54          | 16°23  | T 18 |
| F 19 | 7 49 0  | 27°45'50         | 11840          | 19°33          | 0 <b>)</b> €31 | 10°12          | 3°41          | 24°52          | 18° 0          | 25°23          | 1°52          | 24°23          | 24°36          | 14° 0          | 16°19  | F 19 |
| S 20 | 7 52 56 | 28°46'54         | 24°19          | 21° 9          | 1°44           | 10°53          | 3°51          | 24°54          | 18° 0          | 25°23          | 1°51          | 24°21          | 24°33          | 14° 7          | 16°15  | S 20 |
| S 21 | 7 56 53 | 29°47'57         | 7 <b>Ⅱ</b> 24  | 22°46          | 2°58           | 11°34          | 4° 1          | 24°57          | 18° 0          | 25°22          | 1°49          | 24°17          | 24°30          | 14°14          | 16°11  | S 21 |
| M22  | 8 0 50  | 0≈49'00          | 20°57          | 24°23          | 4°12           | 12°15          | 4°11          | 24°59          | 17°59          | 25°21          | 1°48          | 24°10          | 24°27          | 14°20          | 16° 7  | M22  |
| T 23 | 8 4 46  | 1°50'02          | 4958           | 26° 1          | 5°25           | 12°56          | 4°21          | 25° 2          | 17°59          | 25°20          | 1°47          | 24° 0          | 24°23          | 14°27          | 16° 3  | T 23 |
| W24  | 8 8 43  | 2°51'03          | 19°26          | 27°39          | 6°39           | 13°37          | 4°31          | 25° 5          | 17°59          | 25°19          | 1°45          | 23°49          | 24°20          | 14°34          | 15°59  | W24  |
| T 25 | 8 12 39 | 3°52'02          | 4 <b>Ω</b> 14  | 29°18          | 7°52           | 14°18          | 4°42          | 25° 8          | 17°59          | 25°19          | 1°44          | 23°37          | 24°17          | 14°41          | 15°55  | T 25 |
| F 26 | 8 16 36 | 4°53'02          | 19°14          | 0≈57           | 9° 5           | 14°59          | 4°52          | 25°11          | 17°59          | 25°18          | 1°43          | 23°26          | 24°14          | 14°47          | 15°51  | F 26 |
| S 27 | 8 20 32 | 5°54'00          | 4 Mp 15        | 2°37           | 10°19          | 15°40          | 5° 3          | 25°14          | 17°D59         | 25°17          | 1°41          | 23°16          | 24°11          | 14°54          | 15°47  | S 27 |
| S 28 | 8 24 29 | 6°54'57          | 19° 9          | 4°18           | 11°32          | 16°20          | 5°13          | 25°17          | 17°59          | 25°16          | 1°40          | 23°10          | 24° 8          | 15° 1          | 15°43  | S 28 |
| M29  | 8 28 26 | 7°55'54          | 3 <b>≏</b> 49  | 5°59           | 12°45          | 17° 1          | 5°24          | 25°21          | 17°59          | 25°15          | 1°38          | 23° 6          | 24° 4          | 15° 7          | 15°40  | M29  |
| T 30 | 8 32 22 | 8°56'50          | 18° 9          | 7°42           | 13°58          | 17°42          | 5°35          | 25°24          | 17°59          | 25°14          | 1°37          | 23°D 5         | 24° 1          | 15°14          | 15°36  | T 30 |
| W31  | 8 36 19 | 9≈57'46          | 2 <b>M</b> 8   | 9≈24           | 15 <b>米</b> 11 | 18 <b>Y</b> 23 | 5 <b>Υ</b> 46 | 25 <b>℃</b> 28 | 17 <b>8</b> 59 | 25 <b>m</b> 13 | 1 <b>N</b> 36 | 23 <b>₾</b> 5  | 23 <b>≏</b> 58 | 15 <b>米</b> 21 | 15932  | W31  |

Delta T = 24.42 sec

FEBRUARY 1940 00:00 UT

| Day  | Sid.t    | 0                  | )              | ğ              | φ              | ♂             | 4              | ħ              | ነ <b>∜</b>     | ¥        | Р             | R              | Ω              | Ç                | Š.     | Day  |
|------|----------|--------------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|----------|---------------|----------------|----------------|------------------|--------|------|
| T 1  | 8 40 15  | 10≈58'41           | 15 <b>M</b> 47 | 11≈ 8          | 16 <b>)</b> 24 | 19 <b>°</b> 4 | 5 <b>℃</b> 57  | 25 <b>Y</b> 31 | 17 <b>8</b> 59 | 25°R12   | 1°R34         | 23°R 5         | 23 <b>£</b> 55 | 15 <b>米</b> 27   | 15°R29 | T 1  |
| F 2  | 8 44 12  | 11°59'35           | 29° 7          | 12°52          | 17°37          | 19°45         | 6° 8           | 25°35          | 18° 0          | 25 Mp 11 | 1 <b>Ω</b> 33 | 23 <b>♀</b> 4  | 23°52          | 15°34            | 15925  | F 2  |
| S 3  | 8 48 8   | 13° 0'29           | 12 <b>×</b> 11 | 14°37          | 18°50          | 20°26         | 6°20           | 25°39          | 18° 0          | 25° 9    | 1°32          | 23° 0          | 23°49          | 15°41            | 15°21  | S 3  |
| S 4  | 8 52 5   | 14° 1'21           | 25° 0          | 16°22          | 20° 3          | 21° 7         | 6°31           | 25°43          | 18° 1          | 25° 8    | 1°30          | 22°54          | 23°45          | 15°47            | 15°18  | S 4  |
| M 5  | 8 56 1   | 15° 2'13           | 7 <b>云</b> 38  | 18° 8          | 21°15          | 21°47         | 6°43           | 25°47          | 18° 1          | 25° 7    | 1°29          | 22°45          | 23°42          | 15°54            | 15°14  | M 5  |
| T 6  | 8 59 58  | 16° 3'04           | 20° 5          | 19°55          | 22°28          | 22°28         | 6°54           | 25°51          | 18° 1          | 25° 6    | 1°28          | 22°34          | 23°39          | 16° 1            | 15°11  | T 6  |
| W 7  | 9 3 55   | 17° 3'53           | 2≈22           | 21°42          | 23°41          | 23° 9         | 7° 6           | 25°55          | 18° 2          | 25° 5    | 1°27          | 22°21          | 23°36          | 16° 7            | 15° 8  | W 7  |
| T 8  | 9 7 5 1  | 18° 4'42           | 14°31          | 23°30          | 24°53          | 23°50         | 7°18           | 25°59          | 18° 3          | 25° 3    | 1°25          | 22° 8          | 23°33          | 16°14            | 15° 4  | T 8  |
| F 9  | 9 11 48  | 19° 5'29           | 26°32          | 25°19          | 26° 6          | 24°31         | 7°30           | 26° 4          | 18° 3          | 25° 2    | 1°24          | 21°56          | 23°29          | 16°21            | 15° 1  | F 9  |
| S 10 | 9 15 44  | 20° 6'15           | 8 <b>∺</b> 26  | 27° 7          | 27°18          | 25°11         | 7°42           | 26° 8          | 18° 4          | 25° 1    | 1°23          | 21°46          | 23°26          | 16°27            | 14°58  | S 10 |
| S 11 | 9 19 41  | 21° 6'59           | 20°16          | 28°56          | 28°30          | 25°52         | 7°54           | 26°13          | 18° 5          | 25° 0    | 1°21          | 21°39          | 23°23          | 16°34            | 14°55  | S 11 |
| M12  | 9 23 37  | 22° 7'42           | 2 <b>Y</b> 3   | 0 <b>)</b> €45 | 29°42          | 26°33         | 8° 6           | 26°17          | 18° 6          | 24°58    | 1°20          | 21°34          | 23°20          | 16°41            | 14°52  | M12  |
| T 13 | 9 27 34  | 23° 8'24           | 13°51          | 2°35           | 0 <b>Ƴ</b> 55  | 27°14         | 8°18           | 26°22          | 18° 7          | 24°57    | 1°19          | 21°32          | 23°17          | 16°47            | 14°49  | T 13 |
| W14  | 9 31 30  | 24° 9'03           | 25°43          | 4°24           | 2° 7           | 27°55         | 8°31           | 26°27          | 18° 7          | 24°56    | 1°18          | 21°D31         | 23°14          | 16°54            | 14°46  | W14  |
| T 15 | 9 35 27  | 25° 9'42           | 7 <b>8</b> 44  | 6°12           | 3°18           | 28°35         | 8°43           | 26°32          | 18° 8          | 24°54    | 1°16          | 21°32          | 23°10          | 17° 1            | 14°43  | T 15 |
| F 16 | 9 39 23  | 26°10'18           | 19°59          | 8° 0           | 4°30           | 29°16         | 8°55           | 26°37          | 18° 9          | 24°53    | 1°15          | 21°33          | 23° 7          | 17° 7            | 14°41  | F 16 |
| S 17 | 9 43 20  | 27°10'53           | 2 <b>Ⅱ</b> 34  | 9°47           | 5°42           | 29°57         | 9° 8           | 26°42          | 18°11          | 24°51    | 1°14          | 21°R33         | 23° 4          | 17°14            | 14°38  | S 17 |
| S 18 | 9 47 17  | 28°11'26           | 15°33          | 11°33          | 6°54           | 0 <b>ප</b> 37 | 9°21           | 26°47          | 18°12          | 24°50    | 1°13          | 21°32          | 23° 1          | 17°21            | 14°35  | S 18 |
| M19  | 9 51 13  | 29°11'57           | 28°59          | 13°18          | 8° 5           | 1°18          | 9°33           | 26°52          | 18°13          | 24°49    | 1°12          | 21°28          | 22°58          | 17°27            | 14°33  | M19  |
| T 20 | 9 55 10  | 0 <b>) (</b> 12′27 | 129556         | 15° 0          | 9°17           | 1°59          | 9°46           | 26°57          | 18°14          | 24°47    | 1°11          | 21°22          | 22°54          | 17°34            | 14°30  | T 20 |
| W21  | 9 59 6   | 1°12'54            | 27°21          | 16°40          | 10°28          | 2°39          | 9°59           | 27° 3          | 18°15          | 24°46    | 1° 9          | 21°15          | 22°51          | 17°41            | 14°28  | W21  |
| T 22 | 10 3 3   | 2°13'20            | $12\Omega12$   | 18°16          | 11°39          | 3°20          | 10°12          | 27° 8          | 18°17          | 24°44    | 1° 8          | 21° 7          | 22°48          | 17°47            | 14°26  | T 22 |
| F 23 | 10 6 59  | 3°13'44            | 27°20          | 19°50          | 12°50          | 4° 1          | 10°25          | 27°13          | 18°18          | 24°43    | 1° 7          | 20°59          | 22°45          | 17°54            | 14°24  | F 23 |
| S 24 | 10 10 56 | 4°14'06            | 12 <b>m</b> 36 | 21°18          | 14° 1          | 4°41          | 10°38          | 27°19          | 18°19          | 24°41    | 1° 6          | 20°53          | 22°42          | 18° 1            | 14°21  | S 24 |
| S 25 | 10 14 52 | 5°14'27            | 27°49          | 22°43          | 15°12          | 5°22          | 10°51          | 27°25          | 18°21          | 24°39    | 1° 5          | 20°49          | 22°39          | 18° 7            | 14°19  | S 25 |
| M26  | 10 18 49 | 6°14'46            | 12 <b>≏</b> 48 | 24° 1          | 16°23          | 6° 2          | 11° 4          | 27°30          | 18°22          | 24°38    | 1° 4          | 20°47          | 22°35          | 18°14            | 14°17  | M26  |
| T 27 | 10 22 46 | 7°15'04            | 27°28          | 25°14          | 17°33          | 6°43          | 11°17          | 27°36          | 18°24          | 24°36    | 1° 3          | 20°D47         | 22°32          | 18°21            | 14°16  | T 27 |
| W28  | 10 26 42 | 8°15'20            | 11 <b>M</b> 43 | 26°20          | 18°44          | 7°23          | 11°31          | 27°42          | 18°26          | 24°35    | 1° 2          | 20°48          | 22°29          | 18°27            | 14°14  | W28  |
| T 29 | 10 30 39 | 9 <b>)</b> 15'35   | 25 <b>M</b> 32 | 27 <b>)</b> 19 | 19 <b>Y</b> 54 | 8 <b>8</b> 4  | 11 <b>°</b> 44 | 27 <b>Y</b> 48 | 18 <b>8</b> 27 | 24 Mp 33 | 1 <b>N</b> 1  | 20 <b>≏</b> 49 | 22 <b>₾</b> 26 | 18 <b>) (</b> 34 | 149512 | T 29 |

Delta T = 24.45 sec

MARCH 1940 00:00 UT

| Day          | Sid.t                | 0                  | D                     | ğ               | Ŷ              | ð              | 4              | ħ              | )ұ(            | ¥              | Р               | ß              | v                     | Ç               | , k            | Day          |
|--------------|----------------------|--------------------|-----------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|-----------------------|-----------------|----------------|--------------|
| F 1          | 10 34 35             | 10 <b>)</b> 15'48  | 8 <b>√</b> 57         | 28 <b>)</b> 10  | 21 <b>°</b> 5  | 8 <b>8</b> 44  | 11 <b>Y</b> 57 | 27 <b>Y</b> 54 | 18829          | 24°R32         | 1°R 0           | 20°R50         | 22 <u><b>2</b></u> 23 | 18 <b>)(</b> 41 | 14°R10         | F 1          |
| S 2          | 10 38 32             | 11°16'00           | 22° 0                 | 28°53           | 22°15          | 9°25           | 12°11          | 28° 0          | 18°31          | 24 Mp 30       | $0$ $\Omega$ 59 | 20 <b>≏</b> 49 | 22°20                 | 18°47           | 1495 9         | S 2          |
| S 3          | 10 42 28             | 12°16'10           | 4 <b>⋜</b> 43         | 29°27           | 23°25          | 10° 5          | 12°24          | 28° 6          | 18°33          | 24°28          | 0°58            | 20°47          | 22°16                 | 18°54           | 14° 8          | S 3          |
| M 4          | 10 46 25             | 13°16'19           | 17°11                 | 29°52           | 24°35          | 10°46          | 12°38          | 28°12          | 18°34          | 24°27          | 0°57            | 20°43          | 22°13                 | 19° 1           | 14° 6          | M 4          |
| T 5          | 10 50 21             | 14°16'26           | 29°26                 | 0Υ 8            | 25°44          | 11°26          | 12°52          | 28°18          | 18°36          | 24°25          | 0°56            | 20°37          | 22°10                 | 19° 7           | 14° 5          | T 5          |
| W 6          | 10 54 18             | 15°16'31           | 11 <b>≈</b> 31        | 0°R15           | 26°54          | 12° 7          | 13° 5          | 28°24          | 18°38          | 24°24          | 0°55            | 20°31          | 22° 7                 | 19°14           | 14° 4          | W 6          |
| T 7          | 10 58 15             | 16°16'35           | 23°30                 | 0°12            | 28° 3          | 12°47          | 13°19          | 28°31          | 18°40          | 24°22          | 0°54            | 20°24          | 22° 4                 | 19°21           | 14° 3          | T 7          |
| F 8          | 11 2 11              | 17°16'37           | 5 <b>∺</b> 23         | 0° 1            | 29°13          | 13°27          | 13°33          | 28°37          | 18°42          | 24°20          | 0°53            | 20°18          | 22° 0                 | 19°27           | 14° 2          | F 8          |
| S 9          | 11 6 8               | 18°16'37           | 17°12                 | 29 <b>米</b> 41  | 0822           | 14° 8          | 13°46          | 28°43          | 18°44          | 24°19          | 0°52            | 20°13          | 21°57                 | 19°34           | 14° 1          | S 9          |
| S 10         | 11 10 4              | 19°16'35           | 29° 1                 | 29°13           | 1°31           | 14°48          | 14° 0          | 28°50          | 18°46          | 24°17          | 0°51            | 20° 9          | 21°54                 | 19°41           | 14° 0          | S 10         |
| M11          | 11 14 1              | 20°16'31           | 10 <b>Y</b> 49        | 28°38           | 2°40           | 15°28          | 14°14          | 28°56          | 18°48          | 24°15          | 0°51            | 20° 8          | 21°51                 | 19°47           | 13°59          | M11          |
| T 12         | 11 17 57             | 21°16'25           | 22°41                 | 27°56           | 3°48           | 16° 8          | 14°28          | 29° 3          | 18°51          | 24°14          | 0°50            | 20°D 7         | 21°48                 | 19°54           | 13°59          | T 12         |
| W13          | 11 21 54             | 22°16'17           | 4 <b>8</b> 38         | 27° 9           | 4°57           | 16°49          | 14°42          | 29°10          | 18°53          | 24°12          | 0°49            | 20° 8          | 21°45                 | 20° 1           | 13°58          | W13          |
| T 14         | 11 25 50             | 23°16'07           | 16°43                 | 26°18           | 6° 5           | 17°29          | 14°56          | 29°16          | 18°55          | 24°10          | 0°48            | 20°10          | 21°41                 | 20° 7           | 13°58          | T 14         |
| F 15         | 11 29 47             | 24°15'55           | 29° 2                 | 25°23           | 7°13           | 18° 9          | 15°10          | 29°23          | 18°57          | 24° 9          | 0°48            | 20°11          | 21°38                 | 20°14           | 13°57          | F 15         |
| S 16         | 11 33 43             | 25°15'41           | 11 <b>II</b> 36       | 24°27           | 8°21           | 18°49          | 15°24          | 29°30          | 19° 0          | 24° 7          | 0°47            | 20°13          | 21°35                 | 20°21           | 13°57          | S 16         |
| S 17         | 11 37 40             | 26°15'24           | 24°32                 | 23°30           | 9°29           | 19°30          | 15°38          | 29°37          | 19° 2          | 24° 5          | 0°46            | 20°R13         | 21°32                 | 20°27           | 13°57          | S 17         |
| M18          | 11 41 37             | 27°15'05           | 7 <b>9</b> 51         | 22°34           | 10°37          | 20°10          | 15°52          | 29°43          | 19° 5          | 24° 4          | 0°46            | 20°13          | 21°29                 | 20°34           | 13°D57         | M18          |
| T 19         | 11 45 33             | 28°14'44           | 21°37                 | 21°40           | 11°44          | 20°50          | 16° 7          | 29°50          | 19° 7          | 24° 2          | 0°45            | 20°12          | 21°26                 | 20°41           | 13°57          | T 19         |
| W20          | 11 49 30             | 29°14'20           | 5 <b>Ω</b> 50         | 20°49           | 12°51          | 21°30          | 16°21          | 29°57          | 19°10          | 24° 0          | 0°44            | 20° 9          | 21°22                 | 20°47           | 13°57          | W20          |
| T 21         | 11 53 26             | 0 <b>Υ</b> 13'55   | 20°28                 | 20° 1           | 13°59          | 22°10          | 16°35          | 08 4           | 19°12          | 23°59          | 0°44            | 20° 7          | 21°19                 | 20°54           | 13°57          | T 21         |
| F 22         | 11 57 23             | 1°13'26            | 5 Mp 26               | 19°18           | 15° 5<br>16°12 | 22°50          | 16°49<br>17° 3 | 0°11           | 19°15<br>19°17 | 23°57          | 0°43            | 20° 4<br>20° 2 | 21°16                 | 21° 1           | 13°58          | F 22<br>S 23 |
| S 23         | 12 1 19              | 2°12'56            | 20°37                 | 18°40           |                | 23°30          |                | 0°18           |                | 23°55          | 0°43            | -              | 21°13                 | 21° 7           | 13°58          |              |
| S 24         | 12 5 16              | 3°12'24            | 5 <b>≙</b> 50         | 18° 7           | 17°18          | 24°10          | 17°18          | 0°25           | 19°20          | 23°54          | 0°42            | 20° 1          | 21°10                 | 21°14           | 13°59          | S 24         |
| M25          | 12 9 12              | 4°11'49            | 20°57                 | 17°40           | 18°24          | 24°50          | 17°32          | 0°32           | 19°22          | 23°52          | 0°42            | 20°D 0         | 21° 6                 | 21°21           | 13°59          | M25          |
| T 26         | 12 13 9              | 5°11'13            | 5 <b>M</b> .48        | 17°19           | 19°30          | 25°30          | 17°46          | 0°40           | 19°25          | 23°50          | 0°41            | 20° 1          | 21° 3                 | 21°27           | 14° 0          | T 26         |
| W27          | 12 17 6              | 6°10'35            | 20°17                 | 17° 3           | 20°36          | 26°10          | 18° 1          | 0°47           | 19°28          | 23°49          | 0°41            | 20° 2          | 21° 0                 | 21°34           | 14° 1          | W27          |
| T 28<br>F 29 | 12 21 2              | 7° 9'55            | 4 <b>₹</b> 20         | 16°54           | 21°41          | 26°50          | 18°15          | 0°54           | 19°31<br>19°33 | 23°47<br>23°46 | 0°40            | 20° 3          | 20°57                 | 21°41           | 14° 2<br>14° 3 | T 28         |
| F 29         | 12 24 59<br>12 28 55 | 8° 9'13<br>9° 8'29 | 17°56<br>1 <b>る</b> 5 | 16°D50<br>16°52 | 22°47<br>23°51 | 27°30<br>28° 9 | 18°29<br>18°44 | 1° 1<br>1° 8   | 19°33<br>19°36 | 23°46<br>23°44 | 0°40<br>0°39    | 20° 4<br>20° 4 | 20°54<br>20°51        | 21°47<br>21°54  | 14° 3<br>14° 4 | F 29<br>S 30 |
|              |                      |                    | _                     |                 |                |                |                | _              |                | _              |                 | -              |                       | _               |                |              |
| S 31         | 12 32 52             | 10 <b>°</b> 7'44   | 13 <b>る</b> 52        | 17 <b>∺</b> 0   | 24 <b>8</b> 56 | 28 <b>8</b> 49 | 18 <b>Y</b> 58 | 1816           | 19839          | 23 Mp 42       | 0 <b>Ω</b> 39   | 20°R 5         | 20 <b>≏</b> 47        | 22 <b>米</b> 1   | 1499 5         | S 31         |

Delta T = 24.48 sec

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| Day  | Sid.t    | 0                | D               | ğ              | φ             | ♂              | 4              | ħ            | )ұ(            | ¥              | Р            | v              | v              | Ç              | ę,     | Day  |
|------|----------|------------------|-----------------|----------------|---------------|----------------|----------------|--------------|----------------|----------------|--------------|----------------|----------------|----------------|--------|------|
| M 1  | 12 36 48 | 11 <b>°</b> 6'57 | 26 <b>궁</b> 18  | 17 <b>)</b> 13 | 26 <b>8</b> 1 | 29829          | 19 <b>Y</b> 13 | 1823         | 19842          | 23°R41         | 0°R39        | 20°R 4         | 20 <u>₽</u> 44 | 22 <b>)</b> 7  | 1495 6 | M 1  |
| T 2  | 12 40 45 | 12° 6'08         | 8≈30            | 17°31          | 27° 5         | 0 <b>Π</b> 9   | 19°27          | 1°31         | 19°45          | 23 <b>m</b> 39 | $0\Omega$ 38 | 20 <b>॒</b> 3  | 20°41          | 22°14          | 14° 8  | T 2  |
| W 3  | 12 44 41 | 13° 5'17         | 20°30           | 17°54          | 28° 9         | 0°49           | 19°41          | 1°38         | 19°48          | 23°38          | 0°38         | 20° 3          | 20°38          | 22°21          | 14° 9  | W 3  |
| T 4  | 12 48 38 | 14° 4'25         | 2 <b>)</b> 23   | 18°21          | 29°12         | 1°28           | 19°56          | 1°45         | 19°51          | 23°36          | 0°38         | 20° 2          | 20°35          | 22°27          | 14°11  | T 4  |
| F 5  | 12 52 35 | 15° 3'30         | 14°11           | 18°53          | 0耳15          | 2° 8           | 20°10          | 1°53         | 19°54          | 23°35          | 0°38         | 20° 1          | 20°31          | 22°34          | 14°12  | F 5  |
| S 6  | 12 56 31 | 16° 2'34         | 25°59           | 19°29          | 1°18          | 2°48           | 20°25          | 2° 0         | 19°57          | 23°33          | 0°37         | 20° 0          | 20°28          | 22°41          | 14°14  | S 6  |
| S 7  | 13 0 28  | 17° 1'36         | 7 <b>Υ</b> 48   | 20° 9          | 2°21          | 3°27           | 20°39          | 2° 8         | 20° 0          | 23°32          | 0°37         | 20° 0          | 20°25          | 22°47          | 14°16  | S 7  |
| M 8  | 13 4 24  | 18° 0'35         | 19°42           | 20°53          | 3°23          | 4° 7           | 20°54          | 2°15         | 20° 3          | 23°30          | 0°37         | 20°D 0         | 20°22          | 22°54          | 14°18  | M 8  |
| T 9  | 13 8 21  | 18°59'33         | 1841            | 21°40          | 4°25          | 4°47           | 21° 8          | 2°23         | 20° 6          | 23°29          | 0°37         | 20° 0          | 20°19          | 23° 1          | 14°20  | T 9  |
| W10  | 13 12 17 | 19°58'29         | 13°49           | 22°30          | 5°27          | 5°26           | 21°23          | 2°30         | 20° 9          | 23°27          | 0°37         | 20°R 0         | 20°16          | 23° 7          | 14°22  | W10  |
| T 11 | 13 16 14 | 20°57'22         | 26° 6           | 23°24          | 6°28          | 6° 6           | 21°37          | 2°38         | 20°12          | 23°26          | 0°37         | 20° 0          | 20°12          | 23°14          | 14°24  | T 11 |
| F 12 | 13 20 10 | 21°56'14         | 8耳36            | 24°21          | 7°29          | 6°45           | 21°52          | 2°45         | 20°15          | 23°24          | 0°37         | 20° 0          | 20° 9          | 23°21          | 14°26  | F 12 |
| S 13 | 13 24 7  | 22°55'03         | 21°20           | 25°20          | 8°30          | 7°25           | 22° 6          | 2°53         | 20°18          | 23°23          | 0°D37        | 20° 0          | 20° 6          | 23°27          | 14°28  | S 13 |
| S 14 | 13 28 4  | 23°53'50         | 4920            | 26°23          | 9°30          | 8° 5           | 22°21          | 3° 1         | 20°22          | 23°21          | 0°37         | 19°59          | 20° 3          | 23°34          | 14°31  | S 14 |
| M15  | 13 32 0  | 24°52'35         | 17°39           | 27°28          | 10°30         | 8°44           | 22°35          | 3° 8         | 20°25          | 23°20          | 0°37         | 19°59          | 20° 0          | 23°41          | 14°33  | M15  |
| T 16 | 13 35 57 | 25°51'17         | 1 <b>Ω</b> 18   | 28°35          | 11°29         | 9°24           | 22°50          | 3°16         | 20°28          | 23°19          | 0°37         | 19°D59         | 19°57          | 23°47          | 14°36  | T 16 |
| W17  | 13 39 53 | 26°49'57         | 15°19           | 29°45          | 12°28         | 10° 3          | 23° 4          | 3°23         | 20°31          | 23°17          | 0°37         | 19°59          | 19°53          | 23°54          | 14°39  | W17  |
| T 18 | 13 43 50 | 27°48'35         | 29°39           | 0 <b>Υ</b> 58  | 13°27         | 10°42          | 23°19          | 3°31         | 20°35          | 23°16          | 0°37         | 20° 0          | 19°50          | 24° 1          | 14°41  | T 18 |
| F 19 | 13 47 46 | 28°47'11         | 14 <b>M</b> )17 | 2°12           | 14°25         | 11°22          | 23°33          | 3°39         | 20°38          | 23°15          | 0°37         | 20° 1          | 19°47          | 24° 7          | 14°44  | F 19 |
| S 20 | 13 51 43 | 29°45'44         | 29° 8           | 3°29           | 15°22         | 12° 1          | 23°47          | 3°46         | 20°41          | 23°14          | 0°37         | 20° 1          | 19°44          | 24°14          | 14°47  | S 20 |
| S 21 | 13 55 39 | 0 <b>8</b> 44'16 | 14 <b>♀</b> 6   | 4°48           | 16°19         | 12°40          | 24° 2          | 3°54         | 20°44          | 23°12          | 0°38         | 20°R 2         | 19°41          | 24°21          | 14°50  | S 21 |
| M22  | 13 59 36 | 1°42'45          | 29° 2           | 6° 9           | 17°16         | 13°20          | 24°16          | 4° 2         | 20°48          | 23°11          | 0°38         | 20° 2          | 19°37          | 24°27          | 14°53  | M22  |
| T 23 | 14 3 32  | 2°41'13          | 13 <b>M</b> .49 | 7°32           | 18°12         | 13°59          | 24°31          | 4° 9         | 20°51          | 23°10          | 0°38         | 20° 1          | 19°34          | 24°34          | 14°56  | T 23 |
| W24  | 14 7 29  | 3°39'38          | 28°20           | 8°57           | 19° 7         | 14°38          | 24°45          | 4°17         | 20°55          | 23° 9          | 0°38         | 20° 0          | 19°31          | 24°41          | 15° 0  | W24  |
| T 25 | 14 11 26 | 4°38'02          | 12 <b>×</b> 28  | 10°24          | 20° 2         | 15°18          | 24°59          | 4°25         | 20°58          | 23° 7          | 0°39         | 19°58          | 19°28          | 24°47          | 15° 3  | T 25 |
| F 26 | 14 15 22 | 5°36'25          | 26°11           | 11°52          | 20°56         | 15°57          | 25°14          | 4°32         | 21° 1          | 23° 6          | 0°39         | 19°56          | 19°25          | 24°54          | 15° 6  | F 26 |
| S 27 | 14 19 19 | 6°34'46          | 9 <b>ප</b> 28   | 13°23          | 21°50         | 16°36          | 25°28          | 4°40         | 21° 5          | 23° 5          | 0°39         | 19°54          | 19°22          | 25° 0          | 15°10  | S 27 |
| S 28 | 14 23 15 | 7°33'05          | 22°20           | 14°56          | 22°43         | 17°15          | 25°42          | 4°48         | 21° 8          | 23° 4          | 0°40         | 19°53          | 19°18          | 25° 7          | 15°13  | S 28 |
| M29  | 14 27 12 | 8°31'22          | 4≈50            | 16°30          | 23°36         | 17°54          | 25°57          | 4°55         | 21°11          | 23° 3          | 0°40         | 19°D52         | 19°15          | 25°14          | 15°17  | M29  |
| T 30 | 14 31 8  | 9 <b>8</b> 29'38 | 17≈ 3           | 18 <b>Ƴ</b> 7  | 24Ⅲ28         | 18 <b>Ⅲ</b> 34 | 26 <b>Y</b> 11 | 5 <b>8</b> 3 | 21 <b>8</b> 15 | 23 Mp 2        | $0\Omega 40$ | 19 <b>≏</b> 52 | 19 <b>≏</b> 12 | 25 <b>米</b> 20 | 159521 | T 30 |

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| Day  | Sid.t    | 0                | D                | ğ              | Q.     | δ              | 4              | ħ             | )f(   | ¥        | Р            | ₽.             | v              | ţ               | ٥٨     | Day  |
|------|----------|------------------|------------------|----------------|--------|----------------|----------------|---------------|-------|----------|--------------|----------------|----------------|-----------------|--------|------|
| W 1  | 14 35 5  | 10827'53         | 29≈ 2            | 19 <b>Y</b> 45 | 25耳19  | 19 <b>Ⅱ</b> 13 | 26 <b>Y</b> 25 | 5 <b>8</b> 10 | 21818 | 23°R 1   | 0Ω41         | 19 <b>≏</b> 53 | 19 <b>♀</b> 9  | 25 <b>)</b> 27  | 159525 | W 1  |
| T 2  | 14 39 1  | 11°26'06         | 10 <b>) (</b> 54 | 21°25          | 26° 9  | 19°52          | 26°39          | 5°18          | 21°22 | 23 Mp 0  | 0°41         | 19°54          | 19° 6          | 25°34           | 15°28  | T 2  |
| F 3  | 14 42 58 | 12°24'17         | 22°42            | 23° 7          | 26°59  | 20°31          | 26°54          | 5°26          | 21°25 | 22°59    | 0°42         | 19°56          | 19° 2          | 25°40           | 15°32  | F 3  |
| S 4  | 14 46 55 | 13°22'27         | <b>4</b> Υ30     | 24°50          | 27°48  | 21°10          | 27° 8          | 5°33          | 21°29 | 22°58    | 0°42         | 19°58          | 18°59          | 25°47           | 15°36  | S 4  |
| S 5  | 14 50 51 | 14°20'36         | 16°23            | 26°36          | 28°36  | 21°49          | 27°22          | 5°41          | 21°32 | 22°57    | 0°43         | 19°R58         | 18°56          | 25°54           | 15°40  | S 5  |
| M 6  | 14 54 48 | 15°18'43         | 28°23            | 28°23          | 29°24  | 22°28          | 27°36          | 5°49          | 21°36 | 22°56    | 0°44         | 19°58          | 18°53          | 26° 0           | 15°45  | M 6  |
| T 7  | 14 58 44 | 16°16'48         | 10833            | 0 <b>8</b> 13  | 0ණ10   | 23° 7          | 27°50          | 5°56          | 21°39 | 22°55    | 0°44         | 19°57          | 18°50          | 26° 7           | 15°49  | T 7  |
| W 8  | 15 241   | 17°14'52         | 22°55            | 2° 4           | 0°56   | 23°46          | 28° 4          | 6° 4          | 21°43 | 22°55    | 0°45         | 19°54          | 18°47          | 26°14           | 15°53  | W 8  |
| T 9  | 15 6 37  | 18°12'54         | 5 <b>Ⅱ</b> 30    | 3°57           | 1°40   | 24°25          | 28°18          | 6°11          | 21°46 | 22°54    | 0°45         | 19°50          | 18°43          | 26°20           | 15°57  | T 9  |
| F 10 | 15 10 34 | 19°10'54         | 18°18            | 5°52           | 2°24   | 25° 4          | 28°32          | 6°19          | 21°50 | 22°53    | 0°46         | 19°45          | 18°40          | 26°27           | 16° 2  | F 10 |
| S 11 | 15 14 30 | 20° 8'53         | 19520            | 7°49           | 3° 7   | 25°43          | 28°46          | 6°26          | 21°53 | 22°52    | 0°47         | 19°40          | 18°37          | 26°34           | 16° 6  | S 11 |
| S 12 | 15 18 27 | 21° 6'50         | 14°36            | 9°47           | 3°49   | 26°22          | 29° 0          | 6°34          | 21°56 | 22°52    | 0°47         | 19°36          | 18°34          | 26°40           | 16°11  | S 12 |
| M13  | 15 22 24 | 22° 4'45         | 28° 5            | 11°47          | 4°30   | 27° 1          | 29°14          | 6°41          | 22° 0 | 22°51    | 0°48         | 19°33          | 18°31          | 26°47           | 16°15  | M13  |
| T 14 | 15 26 20 | 23° 2'39         | 11 <b>Ω</b> 48   | 13°50          | 5° 9   | 27°40          | 29°28          | 6°49          | 22° 3 | 22°50    | 0°49         | 19°31          | 18°28          | 26°54           | 16°20  | T 14 |
| W15  | 15 30 17 | 24° 0'30         | 25°44            | 15°53          | 5°48   | 28°18          | 29°42          | 6°56          | 22° 7 | 22°50    | 0°50         | 19°D30         | 18°24          | 27° 0           | 16°25  | W15  |
| T 16 | 15 34 13 | 24°58'20         | 9 <b>₯</b> 52    | 17°59          | 6°25   | 28°57          | 29°55          | 7° 4          | 22°10 | 22°49    | 0°51         | 19°31          | 18°21          | 27° 7           | 16°30  | T 16 |
| F 17 | 15 38 10 | 25°56'08         | 24°11            | 20° 5          | 7° 1   | 29°36          | 0 <b>8</b> 9   | 7°11          | 22°14 | 22°48    | 0°51         | 19°32          | 18°18          | 27°14           | 16°34  | F 17 |
| S 18 | 15 42 6  | 26°53'54         | 8 <b>₾</b> 39    | 22°13          | 7°36   | 09915          | 0°23           | 7°18          | 22°17 | 22°48    | 0°52         | 19°34          | 18°15          | 27°20           | 16°39  | S 18 |
| S 19 | 15 46 3  | 27°51'39         | 23°12            | 24°22          | 8° 9   | 0°54           | 0°37           | 7°26          | 22°21 | 22°47    | 0°53         | 19°R34         | 18°12          | 27°27           | 16°44  | S 19 |
| M20  | 15 49 59 | 28°49'22         | 7 <b>M</b> .46   | 26°33          | 8°41   | 1°32           | 0°50           | 7°33          | 22°24 | 22°47    | 0°54         | 19°33          | 18° 8          | 27°34           | 16°49  | M20  |
| T 21 | 15 53 56 | 29°47'04         | 22°14            | 28°44          | 9°12   | 2°11           | 1° 4           | 7°40          | 22°28 | 22°46    | 0°55         | 19°30          | 18° 5          | 27°40           | 16°54  | T 21 |
| W22  | 15 57 53 | 0 <b>Ⅱ</b> 44'44 | 6 <b>₮</b> 31    | 0耳55           | 9°41   | 2°50           | 1°17           | 7°48          | 22°31 | 22°46    | 0°56         | 19°25          | 18° 2          | 27°47           | 17° 0  | W22  |
| T 23 | 16 149   | 1°42'23          | 20°32            | 3° 7           | 10° 8  | 3°29           | 1°31           | 7°55          | 22°35 | 22°46    | 0°57         | 19°18          | 17°59          | 27°54           | 17° 5  | T 23 |
| F 24 | 16 5 46  | 2°40'01          | 4 <b>ਰ</b> 11    | 5°18           | 10°34  | 4° 7           | 1°44           | 8° 2          | 22°38 | 22°45    | 0°58         | 19°11          | 17°56          | 28° 0           | 17°10  | F 24 |
| S 25 | 16 9 42  | 3°37'38          | 17°28            | 7°30           | 10°58  | 4°46           | 1°57           | 8° 9          | 22°42 | 22°45    | 0°59         | 19° 5          | 17°53          | 28° 7           | 17°15  | S 25 |
| S 26 | 16 13 39 | 4°35'14          | 0≈22             | 9°41           | 11°21  | 5°25           | 2°11           | 8°17          | 22°45 | 22°45    | 1° 0         | 18°59          | 17°49          | 28°14           | 17°21  | S 26 |
| M27  | 16 17 35 | 5°32'49          | 12°54            | 11°51          | 11°41  | 6° 3           | 2°24           | 8°24          | 22°48 | 22°44    | 1° 1         | 18°54          | 17°46          | 28°20           | 17°26  | M27  |
| T 28 | 16 21 32 | 6°30'22          | 25° 9            | 14° 0          | 12° 0  | 6°42           | 2°37           | 8°31          | 22°52 | 22°44    | 1° 2         | 18°52          | 17°43          | 28°27           | 17°31  | T 28 |
| W29  | 16 25 28 | 7°27'55          | 7 <b>)</b> €10   | 16° 7          | 12°17  | 7°20           | 2°50           | 8°38          | 22°55 | 22°44    | 1° 3         | 18°D51         | 17°40          | 28°33           | 17°37  | W29  |
| T 30 | 16 29 25 | 8°25'27          | 19° 2            | 18°13          | 12°32  | 7°59           | 3° 3           | 8°45          | 22°59 | 22°44    | 1° 4         | 18°51          | 17°37          | 28°40           | 17°42  | T 30 |
| F 31 | 16 33 22 | 9 <b>Ⅲ</b> 22'58 | 0 <b>Υ</b> 50    | 20 <b>Ⅱ</b> 17 | 129545 | 8938           | 3 <b>8</b> 16  | 8 <b>8</b> 52 | 238 2 | 22 Mp 44 | 1 <b>0</b> 5 | 18 <b>≏</b> 53 | 17 <b>≏</b> 34 | 28 <b>)</b> (47 | 179548 | F 31 |

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| Day  | Sid.t    | 0        | D              | ğ               | φ      | o <sup>™</sup> | 4             | ħ              | )ұ(            | ¥              | Р             | ₽.             | ß              | Ç              | ę,     | Day  |
|------|----------|----------|----------------|-----------------|--------|----------------|---------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|--------|------|
| S 1  | 16 37 18 | 10∏20′29 | 12 <b>Y</b> 40 | 22 <b>II</b> 20 | 129556 | 99316          | 3 <b>8</b> 29 | 8 <b>8</b> 59  | 23 <b>8</b> 5  | 22°R44         | 1 <b>0</b> 6  | 18 <b>≏</b> 54 | 17 <b>≏</b> 30 | 28 <b>米</b> 53 | 179554 | S 1  |
| S 2  | 16 41 15 | 11°17'58 | 24°37          | 24°20           | 13° 5  | 9°55           | 3°42          | 9° 6           | 23° 9          | 22 m/44        | 1° 8          | 18°R54         | 17°27          | 29° 0          | 17°59  | S 2  |
| M 3  | 16 45 11 | 12°15'27 | 6 <b>8</b> 44  | 26°18           | 13°12  | 10°33          | 3°55          | 9°13           | 23°12          | 22°D44         | 1° 9          | 18°52          | 17°24          | 29° 7          | 18° 5  | M 3  |
| T 4  | 16 49 8  | 13°12'55 | 19° 4          | 28°14           | 13°16  | 11°12          | 4° 8          | 9°19           | 23°15          | 22°44          | 1°10          | 18°48          | 17°21          | 29°13          | 18°11  | T 4  |
| W 5  | 16 53 4  | 14°10'23 | 1 <b>Ⅱ</b> 41  | 0ණ 7            | 13°R18 | 11°50          | 4°20          | 9°26           | 23°19          | 22°44          | 1°11          | 18°42          | 17°18          | 29°20          | 18°17  | W 5  |
| T 6  | 16 57 1  | 15° 7'49 | 14°35          | 1°58            | 13°18  | 12°29          | 4°33          | 9°33           | 23°22          | 22°44          | 1°12          | 18°34          | 17°14          | 29°27          | 18°22  | T 6  |
| F 7  | 17 0 57  | 16° 5'15 | 27°46          | 3°46            | 13°15  | 13° 7          | 4°45          | 9°40           | 23°25          | 22°44          | 1°14          | 18°24          | 17°11          | 29°33          | 18°28  | F 7  |
| S 8  | 17 4 54  | 17° 2'39 | 119911         | 5°32            | 13°10  | 13°46          | 4°58          | 9°46           | 23°29          | 22°44          | 1°15          | 18°15          | 17° 8          | 29°40          | 18°34  | S 8  |
| S 9  | 17 8 51  | 18° 0'03 | 24°50          | 7°16            | 13° 3  | 14°24          | 5°10          | 9°53           | 23°32          | 22°44          | 1°16          | 18° 5          | 17° 5          | 29°47          | 18°40  | S 9  |
| M10  | 17 12 47 | 18°57'25 | 8 <b>Ω</b> 39  | 8°56            | 12°53  | 15° 3          | 5°23          | 10° 0          | 23°35          | 22°44          | 1°17          | 17°58          | 17° 2          | 29°53          | 18°46  | M10  |
| T 11 | 17 16 44 | 19°54'47 | 22°36          | 10°34           | 12°41  | 15°41          | 5°35          | 10° 6          | 23°38          | 22°44          | 1°19          | 17°53          | 16°59          | 29°59          | 18°52  | T 11 |
| W12  | 17 20 40 | 20°52'08 | 6 <b>m</b> 38  | 12°10           | 12°27  | 16°19          | 5°47          | 10°12          | 23°42          | 22°45          | 1°20          | 17°50          | 16°55          | 0 <b>℃</b> 7   | 18°58  | W12  |
| T 13 | 17 24 37 | 21°49'27 | 20°44          | 13°42           | 12°10  | 16°58          | 5°59          | 10°19          | 23°45          | 22°45          | 1°21          | 17°D49         | 16°52          | 0°13           | 19° 4  | T 13 |
| F 14 | 17 28 33 | 22°46'46 | 4 <b>Ω</b> 53  | 15°12           | 11°50  | 17°36          | 6°11          | 10°25          | 23°48          | 22°45          | 1°23          | 17°50          | 16°49          | 0°20           | 19°11  | F 14 |
| S 15 | 17 32 30 | 23°44'03 | 19° 3          | 16°40           | 11°29  | 18°15          | 6°23          | 10°32          | 23°51          | 22°46          | 1°24          | 17°R50         | 16°46          | 0°27           | 19°17  | S 15 |
| S 16 | 17 36 26 | 24°41'20 | 3 <b>M</b> .14 | 18° 4           | 11° 5  | 18°53          | 6°35          | 10°38          | 23°54          | 22°46          | 1°26          | 17°49          | 16°43          | 0°33           | 19°23  | S 16 |
| M17  | 17 40 23 | 25°38'36 | 17°22          | 19°26           | 10°39  | 19°31          | 6°47          | 10°44          | 23°57          | 22°47          | 1°27          | 17°46          | 16°40          | 0°40           | 19°29  | M17  |
| T 18 | 17 44 20 | 26°35'51 | 1 <b>~</b> 25  | 20°45           | 10°12  | 20°10          | 6°59          | 10°50          | 24° 0          | 22°47          | 1°28          | 17°40          | 16°36          | 0°47           | 19°35  | T 18 |
| W19  | 17 48 16 | 27°33'06 | 15°19          | 22° 1           | 9°42   | 20°48          | 7°10          | 10°56          | 24° 3          | 22°47          | 1°30          | 17°32          | 16°33          | 0°53           | 19°42  | W19  |
| T 20 | 17 52 13 | 28°30'20 | 29° 1          | 23°14           | 9°10   | 21°26          | 7°22          | 11° 2          | 24° 6          | 22°48          | 1°31          | 17°22          | 16°30          | 1° 0           | 19°48  | T 20 |
| F 21 | 17 56 9  | 29°27'34 | 12 <b>る</b> 27 | 24°24           | 8°38   | 22° 4          | 7°33          | 11° 8          | 24° 9          | 22°49          | 1°33          | 17°11          | 16°27          | 1° 6           | 19°54  | F 21 |
| S 22 | 18 0 6   | 09524'47 | 25°34          | 25°32           | 8° 3   | 22°43          | 7°45          | 11°14          | 24°12          | 22°49          | 1°34          | 16°59          | 16°24          | 1°13           | 20° 1  | S 22 |
| S 23 | 18 4 2   | 1°22'00  | 8≈22           | 26°36           | 7°28   | 23°21          | 7°56          | 11°20          | 24°15          | 22°50          | 1°36          | 16°49          | 16°20          | 1°20           | 20° 7  | S 23 |
| M24  | 18 7 59  | 2°19'12  | 20°51          | 27°37           | 6°52   | 23°59          | 8° 7          | 11°26          | 24°18          | 22°50          | 1°37          | 16°41          | 16°17          | 1°26           | 20°14  | M24  |
| T 25 | 18 11 55 | 3°16'25  | 3 <b>)</b> 4   | 28°34           | 6°15   | 24°38          | 8°18          | 11°32          | 24°21          | 22°51          | 1°39          | 16°35          | 16°14          | 1°33           | 20°20  | T 25 |
| W26  | 18 15 52 | 4°13'37  | 15° 4          | 29°29           | 5°37   | 25°16          | 8°29          | 11°37          | 24°24          | 22°52          | 1°40          | 16°31          | 16°11          | 1°40           | 20°26  | W26  |
| T 27 | 18 19 49 | 5°10'50  | 26°56          | $0\Omega 20$    | 5° 0   | 25°54          | 8°40          | 11°43          | 24°27          | 22°52          | 1°42          | 16°30          | 16° 8          | 1°46           | 20°33  | T 27 |
| F 28 | 18 23 45 | 6° 8'02  | 8 <b>Ƴ</b> 45  | 1° 7            | 4°22   | 26°32          | 8°51          | 11°48          | 24°30          | 22°53          | 1°43          | 16°D30         | 16° 5          | 1°53           | 20°39  | F 28 |
| S 29 | 18 27 42 | 7° 5'15  | 20°36          | 1°51            | 3°45   | 27°10          | 9° 1          | 11°54          | 24°32          | 22°54          | 1°45          | 16°R30         | 16° 1          | 2° 0           | 20°46  | S 29 |
| S 30 | 18 31 38 | 89 2'27  | 2 <b>8</b> 34  | 2 <b>Ω</b> 30   | 395 8  | 279549         | 9812          | 11 <b>8</b> 59 | 24 <b>8</b> 35 | 22 <b>m</b> 55 | 1 <b>Ω</b> 46 | 16 <b>≏</b> 29 | 15 <b>≏</b> 58 | 2 <b>Y</b> 6   | 20952  | S 30 |

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| Day  | Sid.t    | 0                | D               | ğ            | φ      | ð              | 4              | ħ             | )∤(            | ¥        | Р             | ß              | ß              | Ç             | ę<br>k | Day  |
|------|----------|------------------|-----------------|--------------|--------|----------------|----------------|---------------|----------------|----------|---------------|----------------|----------------|---------------|--------|------|
| M 1  | 18 35 35 | 8959'40          | 14846           | 3 <b>N</b> 6 | 2°R32  | 289527         | 9 <b>8</b> 22  | 128 5         | 24 <b>8</b> 38 | 22 M 56  | 1 <b>Ω</b> 48 | 16°R26         | 15 <b>≏</b> 55 | 2 <b>Υ</b> 13 | 20959  | M 1  |
| T 2  | 18 39 31 | 9°56'53          | 27°14           | 3°38         | 1957   | 29° 5          | 9°33           | 12°10         | 24°41          | 22°57    | 1°50          | 16 <b>₽</b> 21 | 15°52          | 2°20          | 21° 6  | T 2  |
| W 3  | 18 43 28 | 10°54'06         | 10耳 2           | 4° 6         | 1°23   | 29°43          | 9°43           | 12°15         | 24°43          | 22°58    | 1°51          | 16°14          | 15°49          | 2°26          | 21°12  | W 3  |
| T 4  | 18 47 24 | 11°51'19         | 23°11           | 4°29         | 0°51   | 0 <b>Ω</b> 21  | 9°53           | 12°20         | 24°46          | 22°58    | 1°53          | 16° 4          | 15°46          | 2°33          | 21°19  | T 4  |
| F 5  | 18 51 21 | 12°48'33         | 69642           | 4°48         | 0°20   | 1° 0           | 10° 3          | 12°25         | 24°49          | 22°59    | 1°54          | 15°52          | 15°42          | 2°40          | 21°25  | F 5  |
| S 6  | 18 55 18 | 13°45'46         | 20°31           | 5° 3         | 29∏51  | 1°38           | 10°13          | 12°30         | 24°51          | 23° 0    | 1°56          | 15°40          | 15°39          | 2°46          | 21°32  | S 6  |
| S 7  | 18 59 14 | 14°42'59         | 4Ω36            | 5°12         | 29°23  | 2°16           | 10°23          | 12°35         | 24°54          | 23° 2    | 1°58          | 15°29          | 15°36          | 2°53          | 21°39  | S 7  |
| M 8  | 19 3 11  | 15°40'13         | 18°50           | 5°18         | 28°58  | 2°54           | 10°33          | 12°40         | 24°56          | 23° 3    | 1°59          | 15°20          | 15°33          | 3° 0          | 21°45  | M 8  |
| T 9  | 19 7 7   | 16°37'26         | 3 <b>m</b> 8    | 5°R18        | 28°35  | 3°32           | 10°42          | 12°45         | 24°59          | 23° 4    | 2° 1          | 15°13          | 15°30          | 3° 6          | 21°52  | T 9  |
| W10  | 19 11 4  | 17°34'39         | 17°27           | 5°14         | 28°13  | 4°10           | 10°52          | 12°49         | 25° 1          | 23° 5    | 2° 3          | 15° 9          | 15°26          | 3°13          | 21°59  | W10  |
| T 11 | 19 15 0  | 18°31'52         | 1 <b>≏</b> 43   | 5° 5         | 27°54  | 4°49           | 11° 1          | 12°54         | 25° 3          | 23° 6    | 2° 4          | 15° 7          | 15°23          | 3°19          | 22° 5  | T 11 |
| F 12 | 19 18 57 | 19°29'05         | 15°53           | 4°51         | 27°38  | 5°27           | 11°10          | 12°58         | 25° 6          | 23° 7    | 2° 6          | 15° 7          | 15°20          | 3°26          | 22°12  | F 12 |
| S 13 | 19 22 53 | 20°26'18         | 29°56           | 4°33         | 27°23  | 6° 5           | 11°19          | 13° 3         | 25° 8          | 23° 8    | 2° 7          | 15° 7          | 15°17          | 3°33          | 22°19  | S 13 |
| S 14 | 19 26 50 | 21°23'31         | 13 <b>M</b> 52  | 4°11         | 27°12  | 6°43           | 11°28          | 13° 7         | 25°10          | 23°10    | 2° 9          | 15° 6          | 15°14          | 3°39          | 22°25  | S 14 |
| M15  | 19 30 47 | 22°20'44         | 27°40           | 3°44         | 27° 2  | 7°21           | 11°37          | 13°11         | 25°13          | 23°11    | 2°11          | 15° 2          | 15°11          | 3°46          | 22°32  | M15  |
| T 16 | 19 34 43 | 23°17'57         | 11 <b>×</b> 20  | 3°14         | 26°55  | 7°59           | 11°46          | 13°16         | 25°15          | 23°12    | 2°12          | 14°56          | 15° 7          | 3°53          | 22°39  | T 16 |
| W17  | 19 38 40 | 24°15'10         | 24°50           | 2°40         | 26°50  | 8°37           | 11°55          | 13°20         | 25°17          | 23°13    | 2°14          | 14°47          | 15° 4          | 3°59          | 22°45  | W17  |
| T 18 | 19 42 36 | 25°12'24         | 8 동             | 2° 4         | 26°47  | 9°15           | 12° 3          | 13°24         | 25°19          | 23°15    | 2°16          | 14°36          | 15° 1          | 4° 6          | 22°52  | T 18 |
| F 19 | 19 46 33 | 26° 9'38         | 21°13           | 1°25         | 26°D47 | 9°54           | 12°11          | 13°28         | 25°21          | 23°16    | 2°18          | 14°24          | 14°58          | 4°13          | 22°59  | F 19 |
| S 20 | 19 50 29 | 27° 6'52         | 4≈ 4            | 0°44         | 26°50  | 10°32          | 12°20          | 13°32         | 25°23          | 23°18    | 2°19          | 14°12          | 14°55          | 4°19          | 23° 5  | S 20 |
| S 21 | 19 54 26 | 28° 4'07         | 16°39           | 0° 3         | 26°54  | 11°10          | 12°28          | 13°35         | 25°25          | 23°19    | 2°21          | 14° 1          | 14°52          | 4°26          | 23°12  | S 21 |
| M22  | 19 58 23 | 29° 1'23         | 29° 0           | 299521       | 27° 1  | 11°48          | 12°36          | 13°39         | 25°27          | 23°20    | 2°23          | 13°52          | 14°48          | 4°33          | 23°19  | M22  |
| T 23 | 20 2 19  | 29°58'39         | 11 <b>) (</b> 7 | 28°40        | 27°10  | 12°26          | 12°43          | 13°43         | 25°29          | 23°22    | 2°24          | 13°45          | 14°45          | 4°39          | 23°26  | T 23 |
| W24  | 20 6 16  | 0 <b>Ω</b> 55'56 | 23° 4           | 27°59        | 27°20  | 13° 4          | 12°51          | 13°46         | 25°31          | 23°23    | 2°26          | 13°41          | 14°42          | 4°46          | 23°32  | W24  |
| T 25 | 20 10 12 | 1°53'13          | 4 <b>Ƴ</b> 55   | 27°21        | 27°34  | 13°42          | 12°58          | 13°49         | 25°33          | 23°25    | 2°28          | 13°39          | 14°39          | 4°53          | 23°39  | T 25 |
| F 26 | 20 14 9  | 2°50'32          | 16°42           | 26°45        | 27°49  | 14°20          | 13° 6          | 13°53         | 25°35          | 23°26    | 2°29          | 13°D39         | 14°36          | 4°59          | 23°46  | F 26 |
| S 27 | 20 18 5  | 3°47'52          | 28°33           | 26°13        | 28° 6  | 14°58          | 13°13          | 13°56         | 25°37          | 23°28    | 2°31          | 13°R39         | 14°32          | 5° 6          | 23°52  | S 27 |
| S 28 | 20 22 2  | 4°45'12          | 10831           | 25°45        | 28°24  | 15°36          | 13°20          | 13°59         | 25°38          | 23°30    | 2°33          | 13°39          | 14°29          | 5°12          | 23°59  | S 28 |
| M29  | 20 25 58 | 5°42'34          | 22°43           | 25°21        | 28°45  | 16°14          | 13°27          | 14° 2         | 25°40          | 23°31    | 2°34          | 13°38          | 14°26          | 5°19          | 24° 5  | M29  |
| T 30 | 20 29 55 | 6°39'57          | 5 <b>Ⅱ</b> 13   | 25° 2        | 29° 7  | 16°52          | 13°34          | 14° 5         | 25°42          | 23°33    | 2°36          | 13°34          | 14°23          | 5°26          | 24°12  | T 30 |
| W31  | 20 33 51 | 7 <b>Ω</b> 37'21 | 18耳 6           | 249548       | 29∏32  | 17 <b>Ω</b> 31 | 13 <b>8</b> 40 | 14 <b>8</b> 8 | 25 <b>8</b> 43 | 23 Mp 34 | 2 <b>Ω</b> 38 | 13 <b>≏</b> 29 | 14 <b>≏</b> 20 | 5 <b>Υ</b> 32 | 249519 | W31  |

Delta T = 24.61 sec

AUGUST 1940 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ      | P      | o <sup>™</sup> | 4              | ħ      | )∤(            | ¥              | Р             | ₽.             | ಬ              | Ç             | ę,     | Day  |
|------|----------|------------------|-----------------|--------|--------|----------------|----------------|--------|----------------|----------------|---------------|----------------|----------------|---------------|--------|------|
| T 1  | 20 37 48 | 8€34'46          | 19523           | 24°R40 | 29∏57  | 18₽ 9          | 13 <b>8</b> 47 | 14811  | 25 <b>8</b> 45 | 23 Mp 36       | 2 <b>Ω</b> 40 | 13°R21         | 14 <b>⊆</b> 17 | 5 <b>Ƴ</b> 39 | 249525 | T 1  |
| F 2  | 20 41 45 | 9°32'12          | 15° 6           | 24°D39 | 0925   | 18°47          | 13°53          | 14°13  | 25°46          | 23°38          | 2°41          | 13 <b>≏</b> 11 | 14°13          | 5°46          | 24°32  | F 2  |
| S 3  | 20 45 41 | 10°29'39         | 29°12           | 249543 | 0°54   | 19°25          | 13°59          | 14°16  | 25°48          | 23°40          | 2°43          | 13° 1          | 14°10          | 5°52          | 24°38  | S 3  |
| S 4  | 20 49 38 | 11°27'07         | 13 <b>£</b> 38  | 24°54  | 1°24   | 20° 3          | 14° 5          | 14°18  | 25°49          | 23°41          | 2°45          | 12°52          | 14° 7          | 5°59          | 24°45  | S 4  |
| M 5  | 20 53 34 | 12°24'35         | 28°16           | 25°12  | 1°56   | 20°41          | 14°11          | 14°21  | 25°50          | 23°43          | 2°46          | 12°44          | 14° 4          | 6° 6          | 24°52  | M 5  |
| T 6  | 20 57 31 | 13°22'05         | 12 <b>m</b> 59  | 25°36  | 2°29   | 21°19          | 14°16          | 14°23  | 25°52          | 23°45          | 2°48          | 12°39          | 14° 1          | 6°12          | 24°58  | T 6  |
| W 7  | 21 1 27  | 14°19'36         | 27°40           | 26° 7  | 3° 3   | 21°57          | 14°22          | 14°25  | 25°53          | 23°47          | 2°50          | 12°36          | 13°57          | 6°19          | 25° 5  | W 7  |
| T 8  | 21 5 24  | 15°17'07         | 12 <b>-</b> 214 | 26°44  | 3°39   | 22°35          | 14°27          | 14°27  | 25°54          | 23°48          | 2°51          | 12°D35         | 13°54          | 6°26          | 25°11  | T 8  |
| F 9  | 21 9 20  | 16°14'39         | 26°35           | 27°28  | 4°16   | 23°13          | 14°32          | 14°29  | 25°55          | 23°50          | 2°53          | 12°35          | 13°51          | 6°32          | 25°18  | F 9  |
| S 10 | 21 13 17 | 17°12'12         | 10 <b>M</b> .43 | 28°19  | 4°54   | 23°52          | 14°37          | 14°31  | 25°56          | 23°52          | 2°55          | 12°R36         | 13°48          | 6°39          | 25°24  | S 10 |
| S 11 | 21 17 14 | 18° 9'46         | 24°35           | 29°16  | 5°33   | 24°30          | 14°42          | 14°33  | 25°58          | 23°54          | 2°56          | 12°36          | 13°45          | 6°45          | 25°30  | S 11 |
| M12  | 21 21 10 | 19° 7'21         | 8 <b>∡</b> 13   | 0Ω19   | 6°13   | 25° 8          | 14°47          | 14°35  | 25°59          | 23°56          | 2°58          | 12°34          | 13°42          | 6°52          | 25°37  | M12  |
| T 13 | 21 25 7  | 20° 4'57         | 21°36           | 1°28   | 6°54   | 25°46          | 14°51          | 14°36  | 26° 0          | 23°58          | 3° 0          | 12°31          | 13°38          | 6°59          | 25°43  | T 13 |
| W14  | 21 29 3  | 21° 2'34         | 4 <b>⋜</b> 46   | 2°43   | 7°37   | 26°24          | 14°55          | 14°38  | 26° 1          | 24° 0          | 3° 1          | 12°25          | 13°35          | 7° 5          | 25°49  | W14  |
| T 15 | 21 33 0  | 22° 0'12         | 17°43           | 4° 3   | 8°20   | 27° 2          | 14°59          | 14°39  | 26° 1          | 24° 2          | 3° 3          | 12°17          | 13°32          | 7°12          | 25°56  | T 15 |
| F 16 | 21 36 56 | 22°57'50         | 0≈28            | 5°29   | 9° 4   | 27°40          | 15° 3          | 14°40  | 26° 2          | 24° 4          | 3° 4          | 12° 8          | 13°29          | 7°19          | 26° 2  | F 16 |
| S 17 | 21 40 53 | 23°55'30         | 13° 0           | 6°59   | 9°49   | 28°18          | 15° 7          | 14°41  | 26° 3          | 24° 6          | 3° 6          | 12° 0          | 13°26          | 7°25          | 26° 8  | S 17 |
| S 18 | 21 44 49 | 24°53'12         | 25°20           | 8°34   | 10°35  | 28°57          | 15°10          | 14°42  | 26° 4          | 24° 8          | 3° 8          | 11°52          | 13°23          | 7°32          | 26°15  | S 18 |
| M19  | 21 48 46 | 25°50'54         | 7 <b>)</b> €30  | 10°14  | 11°22  | 29°35          | 15°14          | 14°43  | 26° 4          | 24°10          | 3° 9          | 11°45          | 13°19          | 7°39          | 26°21  | M19  |
| T 20 | 21 52 43 | 26°48'38         | 19°29           | 11°57  | 12°10  | 0 Mp 13        | 15°17          | 14°44  | 26° 5          | 24°12          | 3°11          | 11°41          | 13°16          | 7°45          | 26°27  | T 20 |
| W21  | 21 56 39 | 27°46'24         | 1 <b>Y</b> 22   | 13°43  | 12°58  | 0°51           | 15°20          | 14°45  | 26° 6          | 24°14          | 3°12          | 11°38          | 13°13          | 7°52          | 26°33  | W21  |
| T 22 | 22 0 36  | 28°44'11         | 13°10           | 15°32  | 13°47  | 1°29           | 15°22          | 14°45  | 26° 6          | 24°16          | 3°14          | 11°D38         | 13°10          | 7°59          | 26°39  | T 22 |
| F 23 | 22 4 32  | 29°41'59         | 24°57           | 17°24  | 14°37  | 2° 7           | 15°25          | 14°46  | 26° 7          | 24°18          | 3°15          | 11°39          | 13° 7          | 8° 5          | 26°45  | F 23 |
| S 24 | 22 8 29  | 0 <b>m</b> 39'50 | 6846            | 19°18  | 15°28  | 2°45           | 15°27          | 14°46  | 26° 7          | 24°20          | 3°17          | 11°40          | 13° 3          | 8°12          | 26°51  | S 24 |
| S 25 | 22 12 25 | 1°37'42          | 18°44           | 21°14  | 16°19  | 3°24           | 15°30          | 14°47  | 26° 8          | 24°22          | 3°19          | 11°42          | 13° 0          | 8°19          | 26°57  | S 25 |
| M26  | 22 16 22 | 2°35'36          | 0耳55            | 23°10  | 17°11  | 4° 2           | 15°32          | 14°47  | 26° 8          | 24°24          | 3°20          | 11°R42         | 12°57          | 8°25          | 27° 3  | M26  |
| T 27 | 22 20 18 | 3°33'31          | 13°23           | 25° 8  | 18° 4  | 4°40           | 15°33          | 14°R47 | 26° 8          | 24°26          | 3°22          | 11°42          | 12°54          | 8°32          | 27° 9  | T 27 |
| W28  | 22 24 15 | 4°31'29          | 26°14           | 27° 6  | 18°57  | 5°18           | 15°35          | 14°47  | 26° 8          | 24°28          | 3°23          | 11°40          | 12°51          | 8°38          | 27°15  | W28  |
| T 29 | 22 28 12 | 5°29'28          | 9931            | 29° 5  | 19°51  | 5°56           | 15°36          | 14°47  | 26° 9          | 24°30          | 3°25          | 11°36          | 12°48          | 8°45          | 27°21  | T 29 |
| F 30 | 22 32 8  | 6°27'30          | 23°15           | 1 Mp 3 | 20°45  | 6°35           | 15°38          | 14°47  | 26° 9          | 24°32          | 3°26          | 11°32          | 12°44          | 8°52          | 27°27  | F 30 |
| S 31 | 22 36 5  | 7 <b>m</b> 25'33 | 7 <b>Ω</b> 26   | 3 Mg 2 | 219540 | 7 <b>m</b> 13  | 15 <b>8</b> 39 | 14846  | 26 <b>8</b> 9  | 24 <b>m</b> 35 | 3 <b>Ω</b> 27 | 11 <b>≏</b> 27 | 12 <b>≏</b> 41 | 8 <b>Υ</b> 58 | 27932  | S 31 |

Delta T = 24.64 sec

SEPTEMBER 1940 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ               | ♂             | 4              | ħ              | )Å(            | ¥               | Р             | ß              | ß              | ţ              | , k    | Day  |
|------|----------|------------------|----------------|----------------|-----------------|---------------|----------------|----------------|----------------|-----------------|---------------|----------------|----------------|----------------|--------|------|
| S 1  | 22 40 1  | 8 m 23'38        | 22 <b>N</b> 0  | 4 <b>m</b> 59  | 22936           | 7 <b>m</b> 51 | 15840          | 14°R46         | 26°R 9         | 24 Mp 37        | 3 <b>Ω</b> 29 | 11°R22         | 12 <b>≏</b> 38 | 9 <b>Υ</b> 5   | 27938  | S 1  |
| M 2  | 22 43 58 | 9°21'44          | 6 <b>m</b> 53  | 6°57           | 23°32           | 8°29          | 15°40          | 14845          | 26 <b>8</b> 9  | 24°39           | 3°30          | 11 <b>≏</b> 18 | 12°35          | 9°12           | 27°44  | M 2  |
| T 3  | 22 47 54 | 10°19'53         | 21°55          | 8°53           | 24°29           | 9° 7          | 15°41          | 14°45          | 26° 9          | 24°41           | 3°32          | 11°15          | 12°32          | 9°18           | 27°49  | T 3  |
| W 4  | 22 51 51 | 11°18'02         | 6 <b>≏</b> 57  | 10°49          | 25°26           | 9°46          | 15°41          | 14°44          | 26° 9          | 24°43           | 3°33          | 11°D14         | 12°29          | 9°25           | 27°55  | W 4  |
| T 5  | 22 55 47 | 12°16'14         | 21°51          | 12°44          | 26°23           | 10°24         | 15°R41         | 14°43          | 26° 8          | 24°45           | 3°35          | 11°14          | 12°25          | 9°32           | 28° 0  | T 5  |
| F 6  | 22 59 44 | 13°14'27         | 6 <b>M</b> 31  | 14°38          | 27°21           | 11° 2         | 15°41          | 14°42          | 26° 8          | 24°48           | 3°36          | 11°15          | 12°22          | 9°38           | 28° 6  | F 6  |
| S 7  | 23 3 41  | 14°12'41         | 20°52          | 16°31          | 28°19           | 11°41         | 15°40          | 14°41          | 26° 8          | 24°50           | 3°37          | 11°17          | 12°19          | 9°45           | 28°11  | S 7  |
| S 8  | 23 7 37  | 15°10'58         | 4 <b>₹</b> 51  | 18°22          | 29°18           | 12°19         | 15°40          | 14°40          | 26° 8          | 24°52           | 3°39          | 11°18          | 12°16          | 9°52           | 28°17  | S 8  |
| M 9  | 23 11 34 | 16° 9'15         | 18°29          | 20°13          | 0 <b>Ω</b> 17   | 12°57         | 15°39          | 14°38          | 26° 7          | 24°54           | 3°40          | 11°R18         | 12°13          | 9°58           | 28°22  | M 9  |
| T 10 | 23 15 30 | 17° 7'34         | 1 <b>る</b> 47  | 22° 3          | 1°17            | 13°35         | 15°38          | 14°37          | 26° 7          | 24°56           | 3°41          | 11°17          | 12° 9          | 10° 5          | 28°27  | T 10 |
| W11  | 23 19 27 | 18° 5'55         | 14°45          | 23°51          | 2°17            | 14°14         | 15°37          | 14°35          | 26° 6          | 24°59           | 3°43          | 11°16          | 12° 6          | 10°11          | 28°32  | W11  |
| T 12 | 23 23 23 | 19° 4'17         | 27°28          | 25°38          | 3°17            | 14°52         | 15°35          | 14°34          | 26° 6          | 25° 1           | 3°44          | 11°13          | 12° 3          | 10°18          | 28°37  | T 12 |
| F 13 | 23 27 20 | 20° 2'41         | 9 <b>≈</b> 56  | 27°25          | 4°18            | 15°30         | 15°34          | 14°32          | 26° 5          | 25° 3           | 3°45          | 11°10          | 12° 0          | 10°25          | 28°43  | F 13 |
| S 14 | 23 31 16 | 21° 1'06         | 22°12          | 29°10          | 5°19            | 16° 9         | 15°32          | 14°30          | 26° 5          | 25° 5           | 3°46          | 11° 6          | 11°57          | 10°31          | 28°48  | S 14 |
| S 15 | 23 35 13 | 21°59'33         | 4 <b>)</b> (19 | 0 <b>ჲ</b> 54  | 6°21            | 16°47         | 15°30          | 14°28          | 26° 4          | 25° 7           | 3°48          | 11° 3          | 11°54          | 10°38          | 28°53  | S 15 |
| M16  | 23 39 10 | 22°58'02         | 16°17          | 2°37           | 7°23            | 17°25         | 15°28          | 14°26          | 26° 3          | 25°10           | 3°49          | 11° 1          | 11°50          | 10°45          | 28°57  | M16  |
| T 17 | 23 43 6  | 23°56'33         | 28°10          | 4°19           | 8°25            | 18° 4         | 15°25          | 14°24          | 26° 3          | 25°12           | 3°50          | 11° 0          | 11°47          | 10°51          | 29° 2  | T 17 |
| W18  | 23 47 3  | 24°55'06         | 9 <b>Υ</b> 59  | 5°59           | 9°27            | 18°42         | 15°23          | 14°22          | 26° 2          | 25°14           | 3°51          | 10°D59         | 11°44          | 10°58          | 29° 7  | W18  |
| T 19 | 23 50 59 | 25°53'41         | 21°46          | 7°39           | 10°30           | 19°21         | 15°20          | 14°20          | 26° 1          | 25°16           | 3°52          | 10°59          | 11°41          | 11° 5          | 29°12  | T 19 |
| F 20 | 23 54 56 | 26°52'18         | 3 <b>8</b> 34  | 9°18           | 11°33           | 19°59         | 15°17          | 14°18          | 26° 0          | 25°19           | 3°53          | 11° 0          | 11°38          | 11°11          | 29°16  | F 20 |
| S 21 | 23 58 52 | 27°50'57         | 15°26          | 10°56          | 12°37           | 20°37         | 15°14          | 14°15          | 25°59          | 25°21           | 3°54          | 11° 2          | 11°34          | 11°18          | 29°21  | S 21 |
| S 22 | 0 2 49   | 28°49'38         | 27°26          | 12°33          | 13°41           | 21°16         | 15°10          | 14°12          | 25°58          | 25°23           | 3°56          | 11° 3          | 11°31          | 11°25          | 29°26  | S 22 |
| M23  | 0 6 45   | 29°48'21         | 9 <b>Ⅱ</b> 37  | 14° 8          | 14°45           | 21°54         | 15° 7          | 14°10          | 25°57          | 25°25           | 3°57          | 11° 4          | 11°28          | 11°31          | 29°30  | M23  |
| T 24 | 0 10 42  | 0 <b>ჲ</b> 47'07 | 22° 5          | 15°43          | 15°49           | 22°33         | 15° 3          | 14° 7          | 25°56          | 25°27           | 3°58          | 11° 4          | 11°25          | 11°38          | 29°34  | T 24 |
| W25  | 0 14 38  | 1°45'55          | 4952           | 17°17          | 16°54           | 23°11         | 14°59          | 14° 4          | 25°55          | 25°30           | 3°59          | 11°R 4         | 11°22          | 11°44          | 29°39  | W25  |
| T 26 | 0 18 35  | 2°44'45          | 18° 2          | 18°50          | 17°58           | 23°50         | 14°55          | 14° 1          | 25°54          | 25°32           | 4° 0          | 11° 4          | 11°19          | 11°51          | 29°43  | T 26 |
| F 27 | 0 22 32  | 3°43'37          | 1 <b>Ω</b> 38  | 20°23          | 19° 4           | 24°28         | 14°51          | 13°58          | 25°52          | 25°34           | 4° 1          | 11° 4          | 11°15          | 11°58          | 29°47  | F 27 |
| S 28 | 0 26 28  | 4°42'32          | 15°42          | 21°54          | 20° 9           | 25° 7         | 14°46          | 13°55          | 25°51          | 25°36           | 4° 2          | 11° 3          | 11°12          | 12° 4          | 29°51  | S 28 |
| S 29 | 0 30 25  | 5°41'29          | 0 <b>m</b> )11 | 23°24          | 21°15           | 25°45         | 14°42          | 13°52          | 25°50          | 25°39           | 4° 3          | 11° 2          | 11° 9          | 12°11          | 29°55  | S 29 |
| M30  | 0 34 21  | 6 <b>≏</b> 40'28 | 15 m 2         | 24 <b>₾</b> 53 | 22 <b>\O</b> 21 | 26Mp24        | 14 <b>8</b> 37 | 13 <b>8</b> 49 | 25 <b>8</b> 48 | 25 <b>m</b> /41 | 4 <b>Ω</b> 4  | 11 <b>♀</b> 2  | 11 <b>º</b> 6  | 12 <b>Y</b> 18 | 299559 | M30  |

Delta T = 24.68 sec

OCTOBER 1940 00:00 UT

| Day  | Sid.t   | 0                | )              | ğ              | ·              | ♂              | 4      | ħ              | ᡟ              | ¥              | Р            | ß              | ಬ             | ţ              | ę,            | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|--------|----------------|----------------|----------------|--------------|----------------|---------------|----------------|---------------|------|
| T 1  | 0 38 18 | 7 <b>₽</b> 39'30 | <u>0</u>       | 26 <b>₽</b> 22 | 23 <b>Ω</b> 27 | 27 Mp 2        | 14°R32 | 13°R45         | 25°R47         | 25 <b>m</b> 43 | 4 <b>Ω</b> 4 | 11°R 1         | 11 <b>º</b> 3 | 12 <b>Y</b> 24 | 0 <b>0</b> 3  | T 1  |
| W 2  | 0 42 14 | 8°38'33          | 15°21          | 27°50          | 24°33          | 27°41          | 14827  | 13 <b>8</b> 42 | 25 <b>8</b> 46 | 25°45          | 4° 5         | 11°D 1         | 11° 0         | 12°31          | 0° 7          | W 2  |
| T 3  | 0 46 11 | 9°37'38          | 0 <b>M</b> .30 | 29°16          | 25°40          | 28°20          | 14°21  | 13°38          | 25°44          | 25°47          | 4° 6         | 11₽ 1          | 10°56         | 12°38          | 0°11          | T 3  |
| F 4  | 0 50 7  | 10°36'46         | 15°27          | 0M42           | 26°46          | 28°58          | 14°16  | 13°35          | 25°43          | 25°50          | 4° 7         | 11°R 2         | 10°53         | 12°44          | 0°15          | F 4  |
| S 5  | 0 54 4  | 11°35'55         | 0 <b>≯</b> 4   | 2° 7           | 27°53          | 29°37          | 14°10  | 13°31          | 25°41          | 25°52          | 4° 8         | 11° 2          | 10°50         | 12°51          | 0°18          | S 5  |
| S 6  | 0 58 1  | 12°35'06         | 14°16          | 3°30           | 29° 1          | 0 <b>ჲ</b> 16  | 14° 4  | 13°27          | 25°39          | 25°54          | 4° 9         | 11° 1          | 10°47         | 12°58          | 0°22          | S 6  |
| M 7  | 1 1 57  | 13°34'19         | 2 <u>8</u> ° 3 | 4°53           | 0 <b>m</b> ) 8 | 0°54           | 13°58  | 13°24          | 25°38          | 25°56          | 4° 9         | 11° 1          | 10°44         | 13° 4          | 0°25          | M 7  |
| T 8  | 1 5 54  | 14°33'34         | 11 <b>る</b> 23 | 6°15           | 1°16           | 1°33           | 13°52  | 13°20          | 25°36          | 25°58          | 4°10         | 11°D 1         | 10°40         | 13°11          | 0°28          | T 8  |
| W 9  | 1 9 50  | 15°32'50         | 24°20          | 7°35           | 2°23           | 2°12           | 13°46  | 13°16          | 25°34          | 26° 0          | 4°11         | 11° 1          | 10°37         | 13°17          | 0°32          | W 9  |
| T 10 | 1 13 47 | 16°32'08         | 6 <b>≈</b> 56  | 8°55           | 3°31           | 2°50           | 13°40  | 13°12          | 25°33          | 26° 2          | 4°11         | 11° 2          | 10°34         | 13°24          | 0°35          | T 10 |
| F 11 | 1 17 43 | 17°31'28         | 19°15          | 10°13          | 4°40           | 3°29           | 13°33  | 13° 8          | 25°31          | 26° 4          | 4°12         | 11° 2          | 10°31         | 13°31          | 0°38          | F 11 |
| S 12 | 1 21 40 | 18°30'50         | 1 <b>)</b> 21  | 11°30          | 5°48           | 4° 8           | 13°27  | 13° 4          | 25°29          | 26° 7          | 4°13         | 11° 3          | 10°28         | 13°37          | 0°41          | S 12 |
| S 13 | 1 25 36 | 19°30'13         | 13°19          | 12°46          | 6°56           | 4°46           | 13°20  | 12°59          | 25°27          | 26° 9          | 4°13         | 11° 4          | 10°25         | 13°44          | 0°44          | S 13 |
| M14  | 1 29 33 | 20°29'39         | 25°10          | 14° 0          | 8° 5           | 5°25           | 13°13  | 12°55          | 25°25          | 26°11          | 4°14         | 11° 4          | 10°21         | 13°51          | 0°47          | M14  |
| T 15 | 1 33 29 | 21°29'06         | 6 <b>Ƴ</b> 58  | 15°12          | 9°14           | 6° 4           | 13° 6  | 12°51          | 25°23          | 26°13          | 4°15         | 11°R 5         | 10°18         | 13°57          | 0°50          | T 15 |
| W16  | 1 37 26 | 22°28'35         | 18°45          | 16°23          | 10°23          | 6°43           | 12°59  | 12°47          | 25°21          | 26°15          | 4°15         | 11° 5          | 10°15         | 14° 4          | 0°52          | W16  |
| T 17 | 1 41 23 | 23°28'07         | 0 <b>8</b> 35  | 17°32          | 11°32          | 7°21           | 12°52  | 12°42          | 25°19          | 26°17          | 4°16         | 11° 4          | 10°12         | 14°11          | 0°55          | T 17 |
| F 18 | 1 45 19 | 24°27'40         | 12°28          | 18°39          | 12°42          | 8° 0           | 12°44  | 12°38          | 25°17          | 26°19          | 4°16         | 11° 3          | 10° 9         | 14°17          | 0°57          | F 18 |
| S 19 | 1 49 16 | 25°27'16         | 24°28          | 19°44          | 13°51          | 8°39           | 12°37  | 12°33          | 25°15          | 26°21          | 4°17         | 11° 1          | 10° 5         | 14°24          | 1° 0          | S 19 |
| S 20 | 1 53 12 | 26°26'53         | 6 <b>Ⅱ</b> 36  | 20°47          | 15° 1          | 9°18           | 12°29  | 12°29          | 25°13          | 26°23          | 4°17         | 10°58          | 10° 2         | 14°31          | 1° 2          | S 20 |
| M21  | 1 57 9  | 27°26'33         | 18°54          | 21°46          | 16°11          | 9°57           | 12°22  | 12°24          | 25°11          | 26°25          | 4°17         | 10°56          | 9°59          | 14°37          | 1° 4          | M21  |
| T 22 | 2 1 5   | 28°26'15         | 19925          | 22°43          | 17°21          | 10°36          | 12°14  | 12°20          | 25° 9          | 26°27          | 4°18         | 10°54          | 9°56          | 14°44          | 1° 7          | T 22 |
| W23  | 2 5 2   | 29°26'00         | 14°13          | 23°37          | 18°31          | 11°15          | 12° 6  | 12°15          | 25° 7          | 26°29          | 4°18         | 10°52          | 9°53          | 14°51          | 1° 9          | W23  |
| T 24 | 2 8 58  | 0M25'46          | 27°19          | 24°27          | 19°41          | 11°54          | 11°58  | 12°10          | 25° 5          | 26°31          | 4°18         | 10°D52         | 9°50          | 14°57          | 1°11          | T 24 |
| F 25 | 2 12 55 | 1°25'35          | 10 <b>Ω</b> 46 | 25°14          | 20°52          | 12°33          | 11°51  | 12° 6          | 25° 2          | 26°33          | 4°19         | 10°52          | 9°46          | 15° 4          | 1°13          | F 25 |
| S 26 | 2 16 52 | 2°25'26          | 24°37          | 25°56          | 22° 2          | 13°12          | 11°43  | 12° 1          | 25° 0          | 26°35          | 4°19         | 10°53          | 9°43          | 15°10          | 1°14          | S 26 |
| S 27 | 2 20 48 | 3°25'20          | 8 <b>m</b> 51  | 26°33          | 23°13          | 13°51          | 11°35  | 11°56          | 24°58          | 26°36          | 4°19         | 10°54          | 9°40          | 15°17          | 1°16          | S 27 |
| M28  | 2 24 45 | 4°25'15          | 23°27          | 27° 5          | 24°24          | 14°30          | 11°27  | 11°51          | 24°56          | 26°38          | 4°20         | 10°56          | 9°37          | 15°24          | 1°18          | M28  |
| T 29 | 2 28 41 | 5°25'13          | 8 <b>≏</b> 21  | 27°31          | 25°35          | 15° 9          | 11°19  | 11°47          | 24°53          | 26°40          | 4°20         | 10°R56         | 9°34          | 15°30          | 1°19          | T 29 |
| W30  | 2 32 38 | 6°25'12          | 23°26          | 27°50          | 26°46          | 15°48          | 11°10  | 11°42          | 24°51          | 26°42          | 4°20         | 10°56          | 9°31          | 15°37          | 1°20          | W30  |
| T 31 | 2 36 34 | 7 <b>M</b> 25'14 | 8MJ34          | 28M 3          | 27 <b>m</b> 57 | 16 <b>≏</b> 27 | 118 2  | 11837          | 24 <b>8</b> 49 | 26 <b>M</b> 44 | $4\Omega 20$ | 10 <b>≏</b> 54 | 9 <b>≙</b> 27 | 15 <b>Ƴ</b> 44 | 1 <b>A</b> 22 | T 31 |

Delta T = 24.71 sec

NOVEMBER 1940 00:00 UT

| Day  | Sid.t   | 0                 | D               | ğ              | φ              | ♂              | 4             | ħ      | )ұ(            | 卉              | Р             | n              | ß             | ţ              | ę,            | Day  |
|------|---------|-------------------|-----------------|----------------|----------------|----------------|---------------|--------|----------------|----------------|---------------|----------------|---------------|----------------|---------------|------|
| F 1  | 2 40 31 | 8ML25'18          | 23M36           | 28°R 7         | 29 <b>m</b> 8  | 17 <b>♀</b> 6  | 10°R54        | 11°R32 | 24°R46         | 26Mp46         | 4 <b>Ω</b> 20 | 10°R51         | 9 <b>≙</b> 24 | 15 <b>Y</b> 50 | 1 <b>Q</b> 23 | F 1  |
| S 2  | 2 44 27 | 9°25'23           | 8 <b>√</b> 22   | 28 <b>M</b> 3  | 0 <u>~</u> 20  | 17°45          | 10846         | 11827  | 24 <b>8</b> 44 | 26°47          | 4°20          | 10 <b>≏</b> 47 | 9°21          | 15°57          | 1°24          | S 2  |
| S 3  | 2 48 24 | 10°25'30          | 22°45           | 27°51          | 1°31           | 18°24          | 10°38         | 11°22  | 24°42          | 26°49          | 4°20          | 10°42          | 9°18          | 16° 4          | 1°25          | S 3  |
| M 4  | 2 52 21 | 11°25'39          | 6 <b>ප</b> 42   | 27°29          | 2°43           | 19° 3          | 10°30         | 11°18  | 24°39          | 26°51          | 4°20          | 10°38          | 9°15          | 16°10          | 1°26          | M 4  |
| T 5  | 2 56 17 | 12°25'50          | 20°10           | 26°57          | 3°55           | 19°42          | 10°21         | 11°13  | 24°37          | 26°52          | 4°R20         | 10°35          | 9°11          | 16°17          | 1°27          | T 5  |
| W 6  | 3 0 14  | 13°26'02          | 3≈11            | 26°16          | 5° 6           | 20°21          | 10°13         | 11° 8  | 24°34          | 26°54          | 4°20          | 10°33          | 9° 8          | 16°24          | 1°28          | W 6  |
| T 7  | 3 4 10  | 14°26'15          | 15°48           | 25°25          | 6°18           | 21° 1          | 10° 5         | 11° 3  | 24°32          | 26°56          | 4°20          | 10°D32         | 9° 5          | 16°30          | 1°28          | T 7  |
| F 8  | 3 8 7   | 15°26'30          | 28° 6           | 24°25          | 7°30           | 21°40          | 9°57          | 10°58  | 24°29          | 26°57          | 4°20          | 10°33          | 9° 2          | 16°37          | 1°29          | F 8  |
| S 9  | 3 12 3  | 16°26'46          | 10 <b>∺</b> 9   | 23°17          | 8°43           | 22°19          | 9°49          | 10°53  | 24°27          | 26°59          | 4°20          | 10°35          | 8°59          | 16°43          | 1°29          | S 9  |
| S 10 | 3 16 0  | 17°27'04          | 22° 1           | 22° 3          | 9°55           | 22°58          | 9°41          | 10°49  | 24°24          | 27° 1          | 4°20          | 10°37          | 8°56          | 16°50          | 1°30          | S 10 |
| M11  | 3 19 56 | 18°27'23          | <b>3</b> Υ49    | 20°45          | 11° 7          | 23°37          | 9°33          | 10°44  | 24°22          | 27° 2          | 4°20          | 10°38          | 8°52          | 16°57          | 1°30          | M11  |
| T 12 | 3 23 53 | 19°27'44          | 15°36           | 19°25          | 12°19          | 24°17          | 9°25          | 10°39  | 24°19          | 27° 4          | 4°20          | 10°R38         | 8°49          | 17° 3          | 1°30          | T 12 |
| W13  | 3 27 50 | 20°28'06          | 27°25           | 18° 5          | 13°32          | 24°56          | 9°17          | 10°34  | 24°17          | 27° 5          | 4°20          | 10°36          | 8°46          | 17°10          | 1°R30         | W13  |
| T 14 | 3 31 46 | 21°28'30          | 9820            | 16°49          | 14°45          | 25°35          | 9° 9          | 10°30  | 24°14          | 27° 7          | 4°19          | 10°33          | 8°43          | 17°17          | 1°30          | T 14 |
| F 15 | 3 35 43 | 22°28'55          | 21°23           | 15°38          | 15°57          | 26°15          | 9° 2          | 10°25  | 24°12          | 27° 8          | 4°19          | 10°27          | 8°40          | 17°23          | 1°30          | F 15 |
| S 16 | 3 39 39 | 23°29'23          | 3Д34            | 14°36          | 17°10          | 26°54          | 8°54          | 10°20  | 24° 9          | 27°10          | 4°19          | 10°20          | 8°37          | 17°30          | 1°29          | S 16 |
| S 17 | 3 43 36 | 24°29'51          | 15°56           | 13°43          | 18°23          | 27°33          | 8°46          | 10°16  | 24° 7          | 27°11          | 4°18          | 10°12          | 8°33          | 17°37          | 1°29          | S 17 |
| M18  | 3 47 32 | 25°30'22          | 28°29           | 13° 0          | 19°36          | 28°13          | 8°39          | 10°11  | 24° 4          | 27°12          | 4°18          | 10° 3          | 8°30          | 17°43          | 1°29          | M18  |
| T 19 | 3 51 29 | 26°30'54          | 119914          | 12°30          | 20°49          | 28°52          | 8°32          | 10° 6  | 24° 2          | 27°14          | 4°18          | 9°55           | 8°27          | 17°50          | 1°28          | T 19 |
| W20  | 3 55 25 | 27°31'28          | 24°11           | 12°11          | 22° 2          | 29°32          | 8°24          | 10° 2  | 23°59          | 27°15          | 4°17          | 9°49           | 8°24          | 17°57          | 1°27          | W20  |
| T 21 | 3 59 22 | 28°32'03          | $7\Omega$ 22    | 12°D 3         | 23°15          | 0 <b>M</b> .11 | 8°17          | 9°58   | 23°57          | 27°16          | 4°17          | 9°44           | 8°21          | 18° 3          | 1°27          | T 21 |
| F 22 | 4 3 19  | 29°32'40          | 20°48           | 12° 7          | 24°28          | 0°51           | 8°10          | 9°53   | 23°54          | 27°18          | 4°17          | 9°42           | 8°17          | 18°10          | 1°26          | F 22 |
| S 23 | 4 7 15  | 0 <b>∡</b> 33'19  | 4 <b>m</b> ) 30 | 12°21          | 25°41          | 1°30           | 8° 3          | 9°49   | 23°52          | 27°19          | 4°16          | 9°D42          | 8°14          | 18°17          | 1°25          | S 23 |
| S 24 | 4 11 12 | 1°34'00           | 18°29           | 12°44          | 26°55          | 2°10           | 7°56          | 9°44   | 23°50          | 27°20          | 4°16          | 9°43           | 8°11          | 18°23          | 1°24          | S 24 |
| M25  | 4 15 8  | 2°34'42           | 2 <b>≏</b> 45   | 13°16          | 28° 8          | 2°49           | 7°49          | 9°40   | 23°47          | 27°21          | 4°15          | 9°R44          | 8° 8          | 18°30          | 1°23          | M25  |
| T 26 | 4 19 5  | 3°35'26           | 17°17           | 13°56          | 29°22          | 3°29           | 7°43          | 9°36   | 23°45          | 27°22          | 4°15          | 9°44           | 8° 5          | 18°36          | 1°21          | T 26 |
| W27  | 4 23 1  | 4°36'11           | 2 <b>m</b> 1    | 14°43          | 0 <b>M</b> .35 | 4° 8           | 7°36          | 9°32   | 23°42          | 27°23          | 4°14          | 9°42           | 8° 2          | 18°43          | 1°20          | W27  |
| T 28 | 4 26 58 | 5°36'58           | 16°51           | 15°36          | 1°49           | 4°48           | 7°30          | 9°28   | 23°40          | 27°24          | 4°14          | 9°37           | 7°58          | 18°50          | 1°19          | T 28 |
| F 29 | 4 30 54 | 6°37'47           | 1 <b>×</b> 740  | 16°35          | 3° 2           | 5°27           | 7°24          | 9°24   | 23°37          | 27°26          | 4°13          | 9°30           | 7°55          | 18°56          | 1°17          | F 29 |
| S 30 | 4 34 51 | 7 <b>.₹</b> 38'37 | 16 <b>×</b> 19  | 17 <b>M</b> 38 | 4 <b>M</b> .16 | 6M 7           | 7 <b>8</b> 18 | 9820   | 23 <b>8</b> 35 | 27 <b>m</b> 27 | 4 <b>Ω</b> 12 | 9 <b>≏</b> 21  | 7 <b>≙</b> 52 | 19 <b>°</b> 3  | $1\Omega$ 16  | S 30 |

Delta T = 24.75 sec

DECEMBER 1940 00:00 UT

| Day          | Sid.t              | $\odot$              | D                                    | φ                       | φ                       | ď              | 4            | ħ             | )ұ(            | ¥                   | 5             | ß             | Ω             | ţ              | δ              | Day          |
|--------------|--------------------|----------------------|--------------------------------------|-------------------------|-------------------------|----------------|--------------|---------------|----------------|---------------------|---------------|---------------|---------------|----------------|----------------|--------------|
| S 1          | 4 38 48            | 8 <b>∡</b> ³39'27    | 0 <b>궁</b> 41                        | 18 <b>M</b> .45         | 5 <b>M</b> .30          | 6 <b>M</b> .47 | 7°R12        | 9°R16         | 23°R32         | 27 <b>m</b> 28      | 4°R12         | 9°R11         | 7 <b>≙</b> 49 | 19 <b>Y</b> 10 | 1°R14          | S 1          |
| M 2          | 4 42 44            | 9°40'19              | 14°41                                | 19°56                   | 6°44                    | 7°26           | 7 <b>8</b> 6 | 9 <b>8</b> 12 | 23 <b>8</b> 30 | 27°28               | 4 <b>Ω</b> 11 | 9 <b>亞</b> 1  | 7°46          | 19°16          | 1 <b>Ω</b> 12  | M 2          |
| T 3          | 4 46 41            | 10°41'12             | 28°13                                | 21° 9                   | 7°58                    | 8° 6           | 7° 1         | 9° 8          | 23°28          | 27°29               | 4°10          | 8°52          | 7°43          | 19°23          | 1°10           | T 3          |
| W 4          | 4 50 37            | 11°42'06             | 11≈19                                | 22°26                   | 9°11                    | 8°46           | 6°55         | 9° 4          | 23°25          | 27°30               | 4°10          | 8°46          | 7°39          | 19°30          | 1° 8           | W 4          |
| T 5          | 4 54 34<br>4 58 30 | 12°43'00<br>13°43'55 | 24° 1<br>6 <b>∺</b> 20               | 23°44<br>25° 4          | 10°25<br>11°39          | 9°26<br>10° 5  | 6°50         | 9° 1<br>8°57  | 23°23<br>23°21 | 27°31<br>27°32      | 4° 9<br>4° 8  | 8°42<br>8°40  | 7°36<br>7°33  | 19°36<br>19°43 | 1° 6<br>1° 4   | T 5          |
| F 6<br>S 7   | 5 2 27             | 13 43 33<br>14°44'51 | 18°24                                | 25° 4<br>26°27          | 11°53                   | 10°3           | 6°45<br>6°40 | 8°54          | 23°18          | 27°33               | 4 8<br>4° 7   | 8°D39         | 7°30          | 19 43<br>19°50 | 1° 2           | F 6<br>S 7   |
|              |                    | -                    | _                                    |                         |                         |                |              |               |                |                     |               |               |               |                |                |              |
| S 8          | 5 6 23             | 15°45'48             | 0 <b>Υ</b> 17                        | 27°50                   | 14° 7                   | 11°25          | 6°35         | 8°50          | 23°16          | 27°34               | 4° 6          | 8°40          | 7°27          | 19°56          | 0°59           | S 8          |
| M 9<br>T 10  | 5 10 20<br>5 14 17 | 16°46'45<br>17°47'43 | 12° 4<br>23°51                       | 29°15<br>0 <b>×</b> 740 | 15°22<br>16°36          | 12° 5<br>12°45 | 6°31<br>6°26 | 8°47<br>8°44  | 23°14<br>23°12 | 27°34<br>27°35      | 4° 6<br>4° 5  | 8°R40<br>8°39 | 7°23<br>7°20  | 20° 3<br>20°10 | 0°57<br>0°55   | M 9<br>T 10  |
| W11          | 5 14 17            | 17 47 43<br>18°48'42 | 5 <b>8</b> 43                        | 2° 7                    | 17°50                   | 12 43<br>13°24 | 6°22         | 8°41          | 23°10          | 27°36               | 4° 4          | 8°35          | 7°17          | 20°16          | 0°52           | W11          |
| T 12         | 5 22 10            | 19°49'41             | 17°44                                | 3°34                    | 19° 4                   | 14° 4          | 6°18         | 8°38          | 23° 7          | 27°36               | 4° 3          | 8°29          | 7°14          | 20°23          | 0°49           | T 12         |
| F 13         | 5 26 6             | 20°50'41             | 29°56                                | 5° 2                    | 20°18                   | 14°44          | 6°14         | 8°35          | 23° 5          | 27°37               | 4° 2          | 8°20          | 7°11          | 20°29          | 0°47           | F 13         |
| S 14         | 5 30 3             | 21°51'42             | 12 <b>Ⅲ</b> 22                       | 6°31                    | 21°33                   | 15°24          | 6°11         | 8°32          | 23° 3          | 27°37               | 4° 1          | 8° 9          | 7° 8          | 20°36          | 0°44           | S 14         |
| S 15         | 5 33 59            | 22°52'43             | 25° 1                                | 8° 0                    | 22°47                   | 16° 4          | 6° 7         | 8°29          | 23° 1          | 27°38               | 4° 0          | 7°56          | 7° 4          | 20°43          | 0°41           | S 15         |
| M16          | 5 37 56            | 23°53'45             | 7954                                 | 9°30                    | 24° 1                   | 16°44          | 6° 4         | 8°27          | 22°59          | 27°38               | 3°59          | 7°42          | 7° 1          | 20°49          | 0°38           | M16          |
| T 17         | 5 41 52            | 24°54'48             | 21° 0                                | 11° 0                   | 25°16                   | 17°24          | 6° 1         | 8°24          | 22°57          | 27°39               | 3°58          | 7°30          | 6°58          | 20°56          | 0°35           | T 17         |
| W18          | 5 45 49            | 25°55'52             | 4 <b>Ω</b> 18                        | 12°30                   | 26°30                   | 18° 4          | 5°58         | 8°22          | 22°55          | 27°39               | 3°57          | 7°19          | 6°55          | 21° 3          | 0°32           | W18          |
| T 19         | 5 49 46            | 26°56'56             | 17°46                                | 14° 1                   | 27°45                   | 18°44          | 5°56         | 8°19          | 22°53          | 27°40               | 3°56          | 7°11          | 6°52          | 21° 9          | 0°29           | T 19         |
| F 20         | 5 53 42            | 27°58'01             | 1 m/23                               | 15°32                   | 28°59                   | 19°24          | 5°53         | 8°17          | 22°51          | 27°40               | 3°55          | 7° 6          | 6°49          | 21°16          | 0°25           | F 20         |
| S 21         | 5 57 39            | 28°59'07             | 15° 9                                | 17° 3                   | 0 <b>才</b> 14           | 20° 4          | 5°51         | 8°15          | 22°49          | 27°40               | 3°54          | 7° 4          | 6°45          | 21°23          | 0°22           | S 21         |
| S 22         | 6 1 35             | 0 <b>궁</b> 0'14      | 29° 4                                | 18°34                   | 1°28                    | 20°44          | 5°49         | 8°13          | 22°47          | 27°41               | 3°53          | 7° 3          | 6°42          | 21°29          | 0°19           | S 22         |
| M23          | 6 5 32             | 1° 1'21              | 13 <b>♀</b> 7                        | 20° 6                   | 2°43                    | 21°24          | 5°47         | 8°11          | 22°45          | 27°41               | 3°52          | 7° 3          | 6°39          | 21°36          | 0°15           | M23          |
| T 24         | 6 9 28             | 2° 2'29              | 27°19                                | 21°38                   | 3°57                    | 22° 4          | 5°46         | 8° 9          | 22°44          | 27°41               | 3°51          | 7° 2          | 6°36          | 21°43          | 0°12           | T 24         |
| W25          | 6 13 25            | 3° 3'38              | 11 <b>M</b> .39                      | 23°11                   | 5°12                    | 22°44          | 5°44         | 8° 7          | 22°42          | 27°41               | 3°50          | 6°59          | 6°33          | 21°49          | 0° 8           | W25          |
| T 26<br>F 27 | 6 17 21<br>6 21 18 | 4° 4'47<br>5° 5'57   | 26° 2<br>10 <b>×</b> <sup>7</sup> 25 | 24°43<br>26°16          | 6°27<br>7°41            | 23°25<br>24° 5 | 5°43<br>5°42 | 8° 5<br>8° 4  | 22°40<br>22°39 | 27°42<br>27°42      | 3°49<br>3°47  | 6°53<br>6°44  | 6°29<br>6°26  | 21°56<br>22° 3 | 0° 4<br>0° 1   | T 26<br>F 27 |
| S 28         | 6 25 15            | 6° 7'07              | 24°42                                | 26 16<br>27°49          | 8°56                    | 24° 45         | 5°42         | 8° 2          | 22°37          | 27°42               | 3°46          | 6°33          | 6°23          | 22° 9          | 29957          | S 28         |
|              |                    |                      |                                      |                         |                         | _              | -            |               |                |                     |               |               |               |                |                |              |
| S 29<br>M30  | 6 29 11<br>6 33 8  | 7° 8'18<br>8° 9'29   | 8 <b>る</b> 48<br>22°35               | 29°23<br>0 <b>♂</b> 56  | 10°11<br>11°25          | 25°25<br>26° 5 | 5°41<br>5°41 | 8° 1<br>8° 0  | 22°35<br>22°34 | 27°42<br>27°R42     | 3°45<br>3°44  | 6°20<br>6° 7  | 6°20<br>6°17  | 22°16<br>22°23 | 29°53<br>29°49 | S 29<br>M30  |
| T 31         | 637 4              | 9 <b>건</b> 10'40     | 6 <b>≈</b> 2                         | 2 <b>3</b> 30           | 11 23<br>12 <b>7</b> 40 | 26M-46         | 5°D41        | 7 <b>8</b> 59 | 22\display     | 27 N 42<br>27 Mp 42 | 3 <b>Ω</b> 43 | 5 <b>≏</b> 55 | 6 <b>₽</b> 14 | $22^{\circ}29$ | 29 49          | T 31         |

Delta T = 24.79 sec

JANUARY 1941 00:00 UT

| Day  | Sid.t   | 0                 | D               | ğ            | Q                       | ♂               | 4             | ħ             | )∤(            | #              | Р             | n                     | Ω                     | Ç                       | ķ      | Day  |
|------|---------|-------------------|-----------------|--------------|-------------------------|-----------------|---------------|---------------|----------------|----------------|---------------|-----------------------|-----------------------|-------------------------|--------|------|
| W 1  | 6 41 1  | 10 <b>ට</b> 11'50 | 19≈ 6           | 4 <b>ට</b> 5 | 13 <b>×</b> 755         | 27 <b>M</b> 26  | 5 <b>8</b> 41 | 7°R58         | 22°R31         | 27°R42         | 3°R42         | 5°R45                 | 6 <b>₽</b> 10         | 22 <b>Y</b> 36          | 29°R42 | W 1  |
| T 2  | 6 44 57 | 11°13'01          | 1 <b>) (</b> 47 | 5°39         | 15°10                   | 28° 6           | 5°41          | 7 <b>8</b> 57 | 22 <b>8</b> 29 | 27 <b>M</b> 42 | 3 <b>Ω</b> 40 | 5 <b>Ω</b> 39         | 6° 7                  | 22°42                   | 29938  | T 2  |
| F 3  | 6 48 54 | 12°14'11          | 14° 9           | 7°14         | 16°25                   | 28°47           | 5°41          | 7°56          | 22°28          | 27°42          | 3°39          | 5°35                  | 6° 4                  | 22°49                   | 29°34  | F 3  |
| S 4  | 6 52 51 | 13°15'21          | 26°14           | 8°49         | 17°39                   | 29°27           | 5°42          | 7°55          | 22°27          | 27°41          | 3°38          | 5°33                  | 6° 1                  | 22°56                   | 29°29  | S 4  |
| S 5  | 6 56 47 | 14°16'31          | 8 <b>Υ</b> 8    | 10°25        | 18°54                   | 0 <b>∡</b> 7    | 5°43          | 7°55          | 22°25          | 27°41          | 3°37          | 5°33                  | 5°58                  | 23° 2                   | 29°25  | S 5  |
| M 6  | 7 0 44  | 15°17'40          | 19°56           | 12° 1        | 20° 9                   | 0°48            | 5°44          | 7°54          | 22°24          | 27°41          | 3°35          | 5°33                  | 5°55                  | 23° 9                   | 29°21  | M 6  |
| T 7  | 7 4 40  | 16°18'49          | 1844            | 13°37        | 21°24                   | 1°28            | 5°46          | 7°54          | 22°23          | 27°41          | 3°34          | 5°32                  | 5°51                  | 23°16                   | 29°17  | T 7  |
| W 8  | 7 8 37  | 17°19'58          | 13°38           | 15°14        | 22°39                   | 2° 8            | 5°47          | 7°54          | 22°22          | 27°40          | 3°33          | 5°29                  | 5°48                  | 23°22                   | 29°13  | W 8  |
| T 9  | 7 12 33 | 18°21'06          | 25°42           | 16°51        | 23°53                   | 2°49            | 5°49          | 7°54          | 22°21          | 27°40          | 3°31          | 5°24                  | 5°45                  | 23°29                   | 29° 9  | T 9  |
| F 10 | 7 16 30 | 19°22'14          | 8 <b>I</b> I 0  | 18°29        | 25° 8                   | 3°29            | 5°51          | 7°D54         | 22°20          | 27°40          | 3°30          | 5°16                  | 5°42                  | 23°36                   | 29° 4  | F 10 |
| S 11 | 7 20 26 | 20°23'21          | 20°36           | 20° 7        | 26°23                   | 4°10            | 5°53          | 7°54          | 22°19          | 27°39          | 3°29          | 5° 5                  | 5°39                  | 23°42                   | 29° 0  | S 11 |
| S 12 | 7 24 23 | 21°24'28          | 3930            | 21°46        | 27°38                   | 4°50            | 5°55          | 7°54          | 22°18          | 27°39          | 3°27          | 4°53                  | 5°35                  | 23°49                   | 28°56  | S 12 |
| M13  | 7 28 20 | 22°25'34          | 16°42           | 23°25        | 28°53                   | 5°31            | 5°58          | 7°54          | 22°17          | 27°39          | 3°26          | 4°40                  | 5°32                  | 23°56                   | 28°51  | M13  |
| T 14 | 7 32 16 | 23°26'40          | 0 <b>Ω</b> 12   | 25° 4        | 8 동0                    | 6°11            | 6° 1          | 7°55          | 22°16          | 27°38          | 3°25          | 4°28                  | 5°29                  | 24° 2                   | 28°47  | T 14 |
| W15  | 7 36 13 | 24°27'46          | 13°55           | 26°44        | 1°23                    | 6°52            | 6° 4          | 7°55          | 22°15          | 27°38          | 3°23          | 4°17                  | 5°26                  | 24° 9                   | 28°43  | W15  |
| T 16 | 7 40 9  | 25°28'51          | 27°49           | 28°25        | 2°38                    | 7°32            | 6° 7          | 7°56          | 22°14          | 27°37          | 3°22          | 4°10                  | 5°23                  | 24°16                   | 28°38  | T 16 |
| F 17 | 7 44 6  | 26°29'56          | 11 <b>m</b> )49 | 0≈ 6         | 3°53                    | 8°13            | 6°10          | 7°57          | 22°14          | 27°36          | 3°21          | 4° 5                  | 5°20                  | 24°22                   | 28°34  | F 17 |
| S 18 | 7 48 2  | 27°31'00          | 25°53           | 1°47         | 5° 7                    | 8°53            | 6°14          | 7°58          | 22°13          | 27°36          | 3°19          | 4° 3                  | 5°16                  | 24°29                   | 28°30  | S 18 |
| S 19 | 7 51 59 | 28°32'04          | 9 <b>॒</b> 59   | 3°29         | 6°22                    | 9°34            | 6°17          | 7°59          | 22°12          | 27°35          | 3°18          | 4°D 3                 | 5°13                  | 24°36                   | 28°25  | S 19 |
| M20  | 7 55 55 | 29°33'08          | 24° 5           | 5°12         | 7°37                    | 10°15           | 6°21          | 8° 0          | 22°12          | 27°34          | 3°17          | 4°R 4                 | 5°10                  | 24°42                   | 28°21  | M20  |
| T 21 | 7 59 52 | 0≈34'12           | 8 <b>M</b> .11  | 6°54         | 8°52                    | 10°55           | 6°25          | 8° 1          | 22°11          | 27°34          | 3°15          | 4° 3                  | 5° 7                  | 24°49                   | 28°17  | T 21 |
| W22  | 8 3 49  | 1°35'15           | 22°14           | 8°38         | 10° 7                   | 11°36           | 6°30          | 8° 2          | 22°11          | 27°33          | 3°14          | 4° 2                  | 5° 4                  | 24°56                   | 28°12  | W22  |
| T 23 | 8 7 45  | 2°36'17           | 6 <b>₹</b> 15   | 10°21        | 11°22                   | 12°17           | 6°34          | 8° 4          | 22°10          | 27°32          | 3°13          | 3°57                  | 5° 0                  | 25° 2                   | 28° 8  | T 23 |
| F 24 | 8 11 42 | 3°37'20           | 20°11           | 12° 5        | 12°37                   | 12°57           | 6°39          | 8° 5          | 22°10          | 27°31          | 3°11          | 3°50                  | 4°57                  | 25° 9                   | 28° 3  | F 24 |
| S 25 | 8 15 38 | 4°38'22           | 4중 0            | 13°49        | 13°52                   | 13°38           | 6°44          | 8° 7          | 22°10          | 27°31          | 3°10          | 3°41                  | 4°54                  | 25°16                   | 27°59  | S 25 |
| S 26 | 8 19 35 | 5°39'23           | 17°39           | 15°33        | 15° 7                   | 14°19           | 6°49          | 8° 9          | 22°10          | 27°30          | 3° 9          | 3°31                  | 4°51                  | 25°22                   | 27°55  | S 26 |
| M27  | 8 23 31 | 6°40'23           | 1≈ 3            | 17°17        | 16°22                   | 15° 0           | 6°54          | 8°11          | 22° 9          | 27°29          | 3° 7          | 3°20                  | 4°48                  | 25°29                   | 27°50  | M27  |
| T 28 | 8 27 28 | 7°41'22           | 14°12           | 19° 0        | 17°37                   | 15°41           | 6°59          | 8°13          | 22° 9          | 27°28          | 3° 6          | 3°11                  | 4°45                  | 25°35                   | 27°46  | T 28 |
| W29  | 8 31 24 | 8°42'21           | 27° 4           | 20°44        | 18°52                   | 16°21           | 7° 5          | 8°15          | 22° 9          | 27°27          | 3° 5          | 3° 3                  | 4°41                  | 25°42                   | 27°42  | W29  |
| T 30 | 8 35 21 | 9°43'18           | 9 <b>)</b> (37  | 22°27        | 20° 7<br>21 <b>중</b> 22 | 17° 2           | 7°11          | 8°17          | 22°D 9         | 27°26          | 3° 3          | 2°58<br>2 <b>Ω</b> 55 | 4°38<br>4 <b>Ω</b> 35 | 25°49<br>25 <b>°</b> 55 | 27°38  | T 30 |
| F 31 | 8 39 18 | 10≈44'14          | 21 <b>米</b> 55  | 24≈ 9        | 21022                   | 17 <b>∡</b> 143 | 7 <b>8</b> 17 | 8 <b>8</b> 19 | 22 <b>8</b> 9  | 27 Mg 25       | 3 <b>N</b> 2  | 2 <b>=2</b> 55        | 44435                 | 25 1 55                 | 27933  | F 31 |

Delta T = 24.83 sec

FEBRUARY 1941 00:00 UT

| Day  | Sid.t    | 0                | 9              | φ              | Q              | ð              | 4             | ħ             | ⊮              | ¥               | 2             | n             | C             | ţ             | Š      | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|---------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|--------|------|
| S 1  | 8 43 14  | 11≈45'09         | <b>3</b> ℃59   | 25≈50          | 22 <b>궁</b> 37 | 18 <b>×</b> 24 | 7 <b>8</b> 23 | 8 <b>8</b> 22 | 22 <b>8</b> 9  | 27°R24          | 3°R 0         | 2°D54         | 4 <b>₽</b> 32 | 26 <b>Y</b> 2 | 27°R29 | S 1  |
| S 2  | 8 47 11  | 12°46'02         | 15°53          | 27°30          | 23°52          | 19° 5          | 7°29          | 8°24          | 22° 9          | 27 <b>m</b> 23  | 2 <b>Ω</b> 59 | 2 <b>≏</b> 55 | 4°29          | 26° 9         | 279525 | S 2  |
| M 3  | 8 51 7   | 13°46'55         | 27°42          | 29° 7          | 25° 7          | 19°46          | 7°36          | 8°27          | 22° 9          | 27°22           | 2°58          | 2°56          | 4°26          | 26°15         | 27°21  | M 3  |
| T 4  | 8 55 4   | 14°47'46         | 9 <b>8</b> 30  | 0 <b>)</b> €43 | 26°22          | 20°27          | 7°42          | 8°30          | 22°10          | 27°21           | 2°56          | 2°R57         | 4°22          | 26°22         | 27°17  | T 4  |
| W 5  | 8 59 0   | 15°48'35         | 21°24          | 2°16           | 27°37          | 21° 7          | 7°49          | 8°32          | 22°10          | 27°20           | 2°55          | 2°57          | 4°19          | 26°29         | 27°13  | W 5  |
| T 6  | 9 2 57   | 16°49'23         | 3 <b>Ⅱ</b> 28  | 3°46           | 28°52          | 21°48          | 7°56          | 8°35          | 22°10          | 27°18           | 2°54          | 2°56          | 4°16          | 26°35         | 27° 8  | T 6  |
| F 7  | 9 6 53   | 17°50'10         | 15°47          | 5°11           | 0≈ 7           | 22°29          | 8° 3          | 8°38          | 22°11          | 27°17           | 2°52          | 2°52          | 4°13          | 26°42         | 27° 4  | F 7  |
| S 8  | 9 10 50  | 18°50'55         | 28°25          | 6°33           | 1°22           | 23°10          | 8°10          | 8°42          | 22°11          | 27°16           | 2°51          | 2°47          | 4°10          | 26°49         | 27° 1  | S 8  |
| S 9  | 9 14 47  | 19°51'39         | 119925         | 7°49           | 2°37           | 23°51          | 8°18          | 8°45          | 22°12          | 27°15           | 2°50          | 2°40          | 4° 6          | 26°55         | 26°57  | S 9  |
| M10  | 9 18 43  | 20°52'21         | 24°49          | 8°59           | 3°52           | 24°32          | 8°25          | 8°48          | 22°12          | 27°14           | 2°49          | 2°32          | 4° 3          | 27° 2         | 26°53  | M10  |
| T 11 | 9 22 40  | 21°53'02         | 8 <b>Ω</b> 34  | 10° 2          | 5° 7           | 25°13          | 8°33          | 8°52          | 22°13          | 27°12           | 2°47          | 2°25          | 4° 0          | 27° 9         | 26°49  | T 11 |
| W12  | 9 26 36  | 22°53'41         | 22°39          | 10°59          | 6°22           | 25°54          | 8°41          | 8°55          | 22°13          | 27°11           | 2°46          | 2°19          | 3°57          | 27°15         | 26°45  | W12  |
| T 13 | 9 30 33  | 23°54'18         | 6 <b>M</b> 59  | 11°47          | 7°36           | 26°35          | 8°49          | 8°59          | 22°14          | 27°10           | 2°45          | 2°15          | 3°54          | 27°22         | 26°41  | T 13 |
| F 14 | 9 34 29  | 24°54'55         | 21°27          | 12°26          | 8°51           | 27°16          | 8°57          | 9° 2          | 22°15          | 27° 8           | 2°44          | 2°13          | 3°51          | 27°29         | 26°38  | F 14 |
| S 15 | 9 38 26  | 25°55'30         | 5 <b>≙</b> 59  | 12°56          | 10° 6          | 27°57          | 9° 5          | 9° 6          | 22°16          | 27° 7           | 2°42          | 2°D13         | 3°47          | 27°35         | 26°34  | S 15 |
| S 16 | 9 42 22  | 26°56'04         | 20°28          | 13°16          | 11°21          | 28°39          | 9°13          | 9°10          | 22°17          | 27° 6           | 2°41          | 2°13          | 3°44          | 27°42         | 26°31  | S 16 |
| M17  | 9 46 19  | 27°56'36         | 4 <b>M</b> .51 | 13°R26         | 12°36          | 29°20          | 9°22          | 9°14          | 22°17          | 27° 4           | 2°40          | 2°15          | 3°41          | 27°49         | 26°27  | M17  |
| T 18 | 9 50 15  | 28°57'08         | 19° 5          | 13°25          | 13°51          | 0중 1           | 9°31          | 9°18          | 22°18          | 27° 3           | 2°39          | 2°16          | 3°38          | 27°55         | 26°24  | T 18 |
| W19  | 9 54 12  | 29°57'38         | 3 <b>,</b> ₹ 8 | 13°15          | 15° 6          | 0°42           | 9°40          | 9°22          | 22°19          | 27° 1           | 2°37          | 2°R17         | 3°35          | 28° 2         | 26°20  | W19  |
| T 20 | 9 58 9   | 0 <b>¥</b> 58'07 | 1 <u>6</u> °59 | 12°54          | 16°21          | 1°23           | 9°48          | 9°27          | 22°20          | 27° 0           | 2°36          | 2°15          | 3°32          | 28° 9         | 26°17  | T 20 |
| F 21 | 10 2 5   | 1°58'35          | 0 <b>궁</b> 37  | 12°24          | 17°36          | 2° 4           | 9°58          | 9°31          | 22°22          | 26°59           | 2°35          | 2°13          | 3°28          | 28°15         | 26°14  | F 21 |
| S 22 | 10 6 2   | 2°59'01          | 14° 3          | 11°45          | 18°51          | 2°46           | 10° 7         | 9°36          | 22°23          | 26°57           | 2°34          | 2° 9          | 3°25          | 28°22         | 26°11  | S 22 |
| S 23 | 10 9 58  | 3°59'26          | 27°16          | 10°58          | 20° 6          | 3°27           | 10°16         | 9°40          | 22°24          | 26°56           | 2°33          | 2° 5          | 3°22          | 28°29         | 26° 8  | S 23 |
| M24  | 10 13 55 | 4°59'49          | 10≈15          | 10° 5          | 21°21          | 4° 8           | 10°26         | 9°45          | 22°25          | 26°54           | 2°32          | 2° 0          | 3°19          | 28°35         | 26° 5  | M24  |
| T 25 | 10 17 51 | 6° 0'11          | 23° 1          | 9° 6           | 22°35          | 4°49           | 10°35         | 9°49          | 22°27          | 26°53           | 2°31          | 1°56          | 3°16          | 28°42         | 26° 2  | T 25 |
| W26  | 10 21 48 | 7° 0'31          | 5 <b>)</b> (34 | 8° 4           | 23°50          | 5°30           | 10°45         | 9°54          | 22°28          | 26°51           | 2°30          | 1°52          | 3°12          | 28°49         | 25°59  | W26  |
| T 27 | 10 25 44 | 8° 0'50          | 17°54          | 7° 1           | 25° 5          | 6°12           | 10°55         | 9°59          | 22°29          | 26°49           | 2°28          | 1°50          | 3° 9          | 28°55         | 25°56  | T 27 |
| F 28 | 10 29 41 | 9 <b>光</b> 1'06  | 0 <b>Υ</b> 3   | 5 <b>)</b> 57  | 26≈20          | 6 <b>ප</b> 53  | 118 5         | 108 4         | 22 <b>8</b> 31 | 26 <b>M</b> )48 | $2\Omega$ 27  | 1°D50         | 3 <b>₾</b> 6  | 29 <b>Y</b> 2 | 259554 | F 28 |

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MARCH 1941 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ               | ·             | ð              | 4              | ħ              | )ф(            | ¥              | Р             | ß             | Ω             | Ç             | ę,     | Day  |
|------|----------|------------------|-----------------|-----------------|---------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|--------|------|
| S 1  | 10 33 38 | 10 <b>光</b> 1′21 | 12 <b>°</b> 2   | 4°R53           | 27≈35         | 7 <b>궁</b> 34  | 11 <b>8</b> 15 | 10 <b>8</b> 9  | 22 <b>8</b> 32 | 26°R46         | 2°R26         | 1 <b>≙</b> 50 | 3 <b>₾</b> 3  | 29 <b>Υ</b> 8 | 25°R51 | S 1  |
| S 2  | 10 37 34 | 11° 1'34         | 23°54           | 3 <b>∺</b> 53   | 28°50         | 8°16           | 11°25          | 10°14          | 22°34          | 26 Mp 45       | 2 <b>Ω</b> 25 | 1°51          | 3° 0          | 29°15         | 259548 | S 2  |
| M 3  | 10 41 31 | 12° 1'45         | 5 <b>8</b> 43   | 2°56            | 0 <b>)</b> 5  | 8°57           | 11°35          | 10°19          | 22°35          | 26°43          | 2°24          | 1°53          | 2°57          | 29°22         | 25°46  | M 3  |
| T 4  | 10 45 27 | 13° 1'53         | 17°31           | 2° 4            | 1°19          | 9°38           | 11°46          | 10°24          | 22°37          | 26°42          | 2°23          | 1°54          | 2°53          | 29°28         | 25°44  | T 4  |
| W 5  | 10 49 24 | 14° 2'00         | 29°24           | 1°18            | 2°34          | 10°19          | 11°56          | 10°30          | 22°39          | 26°40          | 2°22          | 1°56          | 2°50          | 29°35         | 25°41  | W 5  |
| T 6  | 10 53 20 | 15° 2'05         | 11 <b>Ⅱ</b> 27  | 0°37            | 3°49          | 11° 1          | 12° 7          | 10°35          | 22°40          | 26°38          | 2°21          | 1°R56         | 2°47          | 29°42         | 25°39  | T 6  |
| F 7  | 10 57 17 | 16° 2'08         | 23°43           | 0° 3            | 5° 4          | 11°42          | 12°18          | 10°41          | 22°42          | 26°37          | 2°20          | 1°56          | 2°44          | 29°48         | 25°37  | F 7  |
| S 8  | 11 113   | 17° 2'08         | 69518           | 29≈36           | 6°18          | 12°23          | 12°28          | 10°46          | 22°44          | 26°35          | 2°20          | 1°55          | 2°41          | 29°55         | 25°35  | S 8  |
| S 9  | 11 5 10  | 18° 2'06         | 19°16           | 29°15           | 7°33          | 13° 5          | 12°39          | 10°52          | 22°46          | 26°33          | 2°19          | 1°54          | 2°37          | 0 <b>8</b> 2  | 25°33  | S 9  |
| M10  | 11 9 7   | 19° 2'02         | 2€39            | 29° 1           | 8°48          | 13°46          | 12°50          | 10°58          | 22°48          | 26°32          | 2°18          | 1°52          | 2°34          | 0° 8          | 25°31  | M10  |
| T 11 | 11 13 3  | 20° 1'56         | 16°28           | 28°54           | 10° 3         | 14°28          | 13° 2          | 11° 3          | 22°50          | 26°30          | 2°17          | 1°51          | 2°31          | 0°15          | 25°30  | T 11 |
| W12  | 11 17 0  | 21° 1'48         | 0 <b>m</b> 41   | 28°D53          | 11°17         | 15° 9          | 13°13          | 11° 9          | 22°52          | 26°29          | 2°16          | 1°49          | 2°28          | 0°22          | 25°28  | W12  |
| T 13 | 11 20 56 | 22° 1'38         | 15°16           | 28°58           | 12°32         | 15°50          | 13°24          | 11°15          | 22°54          | 26°27          | 2°15          | 1°48          | 2°25          | 0°28          | 25°27  | T 13 |
| F 14 | 11 24 53 | 23° 1'26         | 0 <b>º</b> 5    | 29° 9           | 13°47         | 16°32          | 13°36          | 11°21          | 22°56          | 26°25          | 2°14          | 1°D48         | 2°22          | 0°35          | 25°25  | F 14 |
| S 15 | 11 28 49 | 24° 1'11         | 15° 2           | 29°25           | 15° 2         | 17°13          | 13°47          | 11°27          | 22°58          | 26°24          | 2°14          | 1°48          | 2°18          | 0°42          | 25°24  | S 15 |
| S 16 | 11 32 46 | 25° 0'55         | 29°58           | 29°47           | 16°16         | 17°55          | 13°59          | 11°33          | 23° 0          | 26°22          | 2°13          | 1°49          | 2°15          | 0°48          | 25°23  | S 16 |
| M17  | 11 36 42 | 26° 0'38         | 14 <b>M</b> .46 | 0 <b>∺</b> 13   | 17°31         | 18°36          | 14°10          | 11°39          | 23° 2          | 26°20          | 2°12          | 1°49          | 2°12          | 0°55          | 25°21  | M17  |
| T 18 | 11 40 39 | 27° 0'18         | 29°19           | 0°45            | 18°46         | 19°17          | 14°22          | 11°45          | 23° 5          | 26°19          | 2°12          | 1°50          | 2° 9          | 1° 2          | 25°20  | T 18 |
| W19  | 11 44 36 | 27°59'57         | 13 <b>×</b> 34  | 1°20            | 20° 0         | 19°59          | 14°34          | 11°52          | 23° 7          | 26°17          | 2°11          | 1°50          | 2° 6          | 1° 8          | 25°19  | W19  |
| T 20 | 11 48 32 | 28°59'34         | 2 <u>7</u> °29  | 2° 0            | 21°15         | 20°40          | 14°46          | 11°58          | 23° 9          | 26°15          | 2°10          | 1°R50         | 2° 3          | 1°15          | 25°18  | T 20 |
| F 21 | 11 52 29 | 29°59'10         | 11중 2           | 2°43            | 22°29         | 21°22          | 14°58          | 12° 4          | 23°12          | 26°14          | 2°10          | 1°50          | 1°59          | 1°22          | 25°18  | F 21 |
| S 22 | 11 56 25 | 0 <b>℃</b> 58'43 | 24°16           | 3°30            | 23°44         | 22° 3          | 15°10          | 12°11          | 23°14          | 26°12          | 2° 9          | 1°50          | 1°56          | 1°28          | 25°17  | S 22 |
| S 23 | 12 0 22  | 1°58'15          | 7≈12            | 4°21            | 24°59         | 22°45          | 15°22          | 12°17          | 23°17          | 26°10          | 2° 8          | 1°D50         | 1°53          | 1°35          | 25°16  | S 23 |
| M24  | 12 4 18  | 2°57'45          | 19°52           | 5°15            | 26°13         | 23°26          | 15°34          | 12°24          | 23°19          | 26° 9          | 2° 8          | 1°50          | 1°50          | 1°42          | 25°16  | M24  |
| T 25 | 12 8 15  | 3°57'13          | 2 <b>米</b> 19   | 6°11            | 27°28         | 24° 8          | 15°47          | 12°30          | 23°22          | 26° 7          | 2° 7          | 1°50          | 1°47          | 1°48          | 25°16  | T 25 |
| W26  | 12 12 11 | 4°56'40          | 14°34           | 7°11            | 28°42         | 24°49          | 15°59          | 12°37          | 23°24          | 26° 5          | 2° 7          | 1°50          | 1°43          | 1°55          | 25°15  | W26  |
| T 27 | 12 16 8  | 5°56'04          | 26°40           | 8°13            | 29°57         | 25°31          | 16°11          | 12°44          | 23°27          | 26° 4          | 2° 6          | 1°R51         | 1°40          | 2° 2          | 25°15  | T 27 |
| F 28 | 12 20 4  | 6°55'26          | 8 <b>Ƴ</b> 39   | 9°17            | 1 <b>Υ</b> 12 | 26°12          | 16°24          | 12°50          | 23°29          | 26° 2          | 2° 6          | 1°51          | 1°37          | 2° 8          | 25°D15 | F 28 |
| S 29 | 12 24 1  | 7°54'47          | 20°32           | 10°24           | 2°26          | 26°54          | 16°36          | 12°57          | 23°32          | 26° 0          | 2° 5          | 1°50          | 1°34          | 2°15          | 25°15  | S 29 |
| S 30 | 12 27 58 | 8°54'05          | 2821            | 11°34           | 3°41          | 27°35          | 16°49          | 13° 4          | 23°35          | 25°59          | 2° 5          | 1°50          | 1°31          | 2°22          | 25°15  | S 30 |
| M31  | 12 31 54 | 9 <b>Υ</b> 53'21 | 148 9           | 12 <b>)</b> (45 | <b>4</b> Υ55  | 28 <b>궁</b> 17 | 17 <b>8</b> 2  | 13 <b>8</b> 11 | 23 <b>8</b> 37 | 25 <b>m</b> 57 | 2 <b>N</b> 5  | 1 <b>≏</b> 49 | 1 <b>≏</b> 28 | 2 <b>8</b> 28 | 259915 | M31  |

Delta T = 24.91 sec

APRIL 1941 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | φ             | ♂              | 4              | ħ              | )ұ(            | ¥              | Р            | r             | Ω              | Ç             | ď      | Day  |
|------|----------|-------------------|----------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|--------------|---------------|----------------|---------------|--------|------|
| T 1  | 12 35 51 | 10 <b>Y</b> 52'35 | 25 <b>8</b> 59 | 13 <b>米</b> 59 | 6 <b>Υ</b> 10 | 28 <b>궁</b> 58 | 17 <b>8</b> 15 | 13818          | 23840          | 25°R56         | 2°R 4        | 1°R47         | 1 <b>≏</b> 24  | 2 <b>8</b> 35 | 259516 | T 1  |
| W 2  | 12 39 47 | 11°51'46          | 7 <b>Ⅱ</b> 54  | 15°15          | 7°24          | 29°40          | 17°27          | 13°25          | 23°43          | 25 <b>m</b> 54 | 2 <b>N</b> 4 | 1 <b>≏</b> 46 | 1°21           | 2°42          | 25°16  | W 2  |
| T 3  | 12 43 44 | 12°50'56          | 19°57          | 16°33          | 8°39          | 0≈21           | 17°40          | 13°32          | 23°46          | 25°52          | 2° 3         | 1°45          | 1°18           | 2°48          | 25°17  | T 3  |
| F 4  | 12 47 40 | 13°50'03          | 29512          | 17°52          | 9°53          | 1° 3           | 17°53          | 13°39          | 23°49          | 25°51          | 2° 3         | 1°44          | 1°15           | 2°55          | 25°17  | F 4  |
| S 5  | 12 51 37 | 14°49'08          | 14°43          | 19°13          | 11° 7         | 1°44           | 18° 6          | 13°46          | 23°51          | 25°49          | 2° 3         | 1°D44         | 1°12           | 3° 2          | 25°18  | S 5  |
| S 6  | 12 55 33 | 15°48'11          | 27°35          | 20°37          | 12°22         | 2°26           | 18°19          | 13°53          | 23°54          | 25°48          | 2° 3         | 1°44          | 1° 9           | 3° 8          | 25°19  | S 6  |
| M 7  | 12 59 30 | 16°47'11          | 10 <b>Ω</b> 51 | 22° 2          | 13°36         | 3° 7           | 18°32          | 14° 0          | 23°57          | 25°46          | 2° 2         | 1°45          | 1° 5           | 3°15          | 25°20  | M 7  |
| T 8  | 13 3 27  | 17°46'09          | 24°32          | 23°28          | 14°51         | 3°48           | 18°46          | 14° 7          | 24° 0          | 25°45          | 2° 2         | 1°46          | 1° 2           | 3°22          | 25°21  | T 8  |
| W 9  | 13 7 23  | 18°45'04          | 8 <b>M</b> 41  | 24°56          | 16° 5         | 4°30           | 18°59          | 14°14          | 24° 3          | 25°43          | 2° 2         | 1°47          | 0°59           | 3°28          | 25°22  | W 9  |
| T 10 | 13 11 20 | 19°43'58          | 23°15          | 26°26          | 17°19         | 5°11           | 19°12          | 14°22          | 24° 6          | 25°42          | 2° 2         | 1°48          | 0°56           | 3°35          | 25°23  | T 10 |
| F 11 | 13 15 16 | 20°42'49          | 8₽11           | 27°58          | 18°34         | 5°53           | 19°25          | 14°29          | 24° 9          | 25°40          | 2° 2         | 1°R48         | 0°53           | 3°42          | 25°24  | F 11 |
| S 12 | 13 19 13 | 21°41'38          | 23°19          | 29°31          | 19°48         | 6°34           | 19°39          | 14°36          | 24°12          | 25°39          | 2° 2         | 1°47          | 0°49           | 3°48          | 25°26  | S 12 |
| S 13 | 13 23 9  | 22°40'25          | 8 <b>M</b> .33 | 1 <b>Υ</b> 6   | 21° 2         | 7°16           | 19°52          | 14°43          | 24°15          | 25°37          | 2° 2         | 1°45          | 0°46           | 3°55          | 25°27  | S 13 |
| M14  | 13 27 6  | 23°39'10          | 23°41          | 2°43           | 22°16         | 7°57           | 20° 6          | 14°51          | 24°18          | 25°36          | 2° 2         | 1°43          | 0°43           | 4° 2          | 25°29  | M14  |
| T 15 | 13 31 2  | 24°37'54          | 8 <b>.</b> ₹34 | 4°21           | 23°31         | 8°39           | 20°19          | 14°58          | 24°21          | 25°34          | 2°D 2        | 1°40          | 0°40           | 4° 8          | 25°31  | T 15 |
| W16  | 13 34 59 | 25°36'36          | 2 <u>3</u> ° 6 | 6° 0           | 24°45         | 9°20           | 20°33          | 15° 6          | 24°25          | 25°33          | 2° 2         | 1°37          | 0°37           | 4°15          | 25°32  | W16  |
| T 17 | 13 38 56 | 26°35'16          | 7 <b>궁</b> 12  | 7°42           | 25°59         | 10° 1          | 20°46          | 15°13          | 24°28          | 25°32          | 2° 2         | 1°35          | 0°34           | 4°22          | 25°34  | T 17 |
| F 18 | 13 42 52 | 27°33'55          | 20°52          | 9°24           | 27°13         | 10°43          | 21° 0          | 15°21          | 24°31          | 25°30          | 2° 2         | 1°33          | 0°30           | 4°28          | 25°36  | F 18 |
| S 19 | 13 46 49 | 28°32'31          | 4≈ 5           | 11° 9          | 28°28         | 11°24          | 21°13          | 15°28          | 24°34          | 25°29          | 2° 2         | 1°D33         | 0°27           | 4°35          | 25°38  | S 19 |
| S 20 | 13 50 45 | 29°31'06          | 16°55          | 12°55          | 29°42         | 12° 5          | 21°27          | 15°36          | 24°37          | 25°28          | 2° 2         | 1°34          | 0°24           | 4°42          | 25°40  | S 20 |
| M21  | 13 54 42 | 0829'40           | 29°26          | 14°43          | 0 <b>8</b> 56 | 12°47          | 21°41          | 15°43          | 24°41          | 25°26          | 2° 2         | 1°36          | 0°21           | 4°48          | 25°43  | M21  |
| T 22 | 13 58 38 | 1°28'12           | 11 <b>)</b> 41 | 16°32          | 2°10          | 13°28          | 21°55          | 15°51          | 24°44          | 25°25          | 2° 2         | 1°37          | 0°18           | 4°55          | 25°45  | T 22 |
| W23  | 14 2 35  | 2°26'42           | 23°44          | 18°23          | 3°24          | 14° 9          | 22° 8          | 15°58          | 24°47          | 25°24          | 2° 3         | 1°39          | 0°14           | 5° 2          | 25°48  | W23  |
| T 24 | 14 6 31  | 3°25'10           | 5 <b>Υ</b> 40  | 20°16          | 4°38          | 14°51          | 22°22          | 16° 6          | 24°51          | 25°23          | 2° 3         | 1°R39         | 0°11           | 5° 8          | 25°50  | T 24 |
| F 25 | 14 10 28 | 4°23'37           | 17°31          | 22°10          | 5°53          | 15°32          | 22°36          | 16°13          | 24°54          | 25°21          | 2° 3         | 1°38          | 0° 8           | 5°15          | 25°53  | F 25 |
| S 26 | 14 14 24 | 5°22'01           | 29°19          | 24° 7          | 7° 7          | 16°13          | 22°50          | 16°21          | 24°57          | 25°20          | 2° 3         | 1°35          | 0° 5           | 5°22          | 25°55  | S 26 |
| S 27 | 14 18 21 | 6°20'25           | 118 8          | 26° 4          | 8°21          | 16°55          | 23° 4          | 16°29          | 25° 1          | 25°19          | 2° 4         | 1°30          | 0° 2           | 5°28          | 25°58  | S 27 |
| M28  | 14 22 18 | 7°18'46           | 22°58          | 28° 3          | 9°35          | 17°36          | 23°18          | 16°36          | 25° 4          | 25°18          | 2° 4         | 1°24          | 29 <b>m</b> 59 | 5°35          | 26° 1  | M28  |
| T 29 | 14 26 14 | 8°17'05           | 4 <b>Ⅱ</b> 53  | 08 4           | 10°49         | 18°17          | 23°32          | 16°44          | 25° 7          | 25°17          | 2° 4         | 1°18          | 29°55          | 5°42          | 26° 4  | T 29 |
| W30  | 14 30 11 | 9 <b>8</b> 15'23  | 16耳53          | 2 <b>8</b> 7   | 128 3         | 18≈58          | 23846          | 16 <b>8</b> 52 | 25 <b>8</b> 11 | 25 Mp 16       | $2\Omega$ 5  | 1₽11          | 29 M 52        | 5 <b>8</b> 48 | 269 7  | W30  |

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|      |          | _        | D              | ğ             | Q.             | ♂              | 4             | ħ              | )ਮ੍ਵ(          | #              | Р            | B              | Ω                | ţ             | ę,     | Day  |
|------|----------|----------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|----------------|--------------|----------------|------------------|---------------|--------|------|
| T 1  | 14 34 7  | 10813'38 | 29耳 1          | 4810          | 13 <b>8</b> 17 | 19 <b>≈</b> 39 | 24 <b>8</b> 0 | 16 <b>8</b> 59 | 25 <b>8</b> 14 | 25°R14         | 2 <b>0</b> 5 | 1°R 4          | 29 <b>11)</b> 49 | 5 <b>8</b> 55 | 269510 | T 1  |
| F 2  | 14 38 4  | 11°11'52 | 119520         | 6°16          | 14°31          | 20°20          | 24°14         | 17° 7          | 25°17          | 25 <b>m</b> 13 | 2° 6         | 0 <b>₽</b> 59  | 29°46            | 6° 2          | 26°14  | F 2  |
| S 3  | 14 42 0  | 12°10'04 | 23°52          | 8°22          | 15°45          | 21° 1          | 24°28         | 17°15          | 25°21          | 25°12          | 2° 6         | 0°56           | 29°43            | 6° 8          | 26°17  | S 3  |
| S 4  | 14 45 57 | 13° 8'13 | 6 <b>Ω</b> 41  | 10°30         | 16°59          | 21°42          | 24°42         | 17°22          | 25°24          | 25°11          | 2° 6         | 0°54           | 29°40            | 6°15          | 26°20  | S 4  |
| M 5  | 14 49 53 | 14° 6'21 | 19°50          | 12°38         | 18°13          | 22°23          | 24°56         | 17°30          | 25°28          | 25°10          | 2° 7         | 0°D54          | 29°36            | 6°22          | 26°24  | M 5  |
| T 6  | 14 53 50 | 15° 4'27 | 3 Mp 22        | 14°48         | 19°27          | 23° 4          | 25°10         | 17°38          | 25°31          | 25° 9          | 2°8          | 0°55           | 29°33            | 6°28          | 26°27  | T 6  |
| W 7  | 14 57 47 | 16° 2'30 | 17°20          | 16°58         | 20°41          | 23°45          | 25°24         | 17°46          | 25°35          | 25° 9          | 2°8          | 0°56           | 29°30            | 6°35          | 26°31  | W 7  |
| T 8  | 15 1 43  | 17° 0'32 | 1 <b>≏</b> 42  | 19°8          | 21°55          | 24°26          | 25°38         | 17°53          | 25°38          | 25° 8          | 2° 9         | 0°R57          | 29°27            | 6°42          | 26°35  | T 8  |
| F 9  | 15 5 40  | 17°58'32 | 16°28          | 21°18         | 23° 9          | 25° 7          | 25°52         | 18° 1          | 25°42          | 25° 7          | 2° 9         | 0°56           | 29°24            | 6°48          | 26°39  | F 9  |
| S 10 | 15 9 36  | 18°56'30 | 1 <b>M</b> .33 | 23°29         | 24°23          | 25°48          | 26° 6         | 18° 9          | 25°45          | 25° 6          | 2°10         | 0°53           | 29°20            | 6°55          | 26°43  | S 10 |
| S 11 | 15 13 33 | 19°54'26 | 16°47          | 25°38         | 25°37          | 26°28          | 26°20         | 18°16          | 25°48          | 25° 5          | 2°11         | 0°48           | 29°17            | 7° 2          | 26°47  | S 11 |
|      | 15 17 29 | 20°52'21 | 2 <b>√</b> 1   | 27°48         | 26°50          | 27° 9          | 26°34         | 18°24          | 25°52          | 25° 4          | 2°11         | 0°41           | 29°14            | 7° 8          | 26°51  | M12  |
| T 13 | 15 21 26 | 21°50'15 | 17° 4          | 29°56         | 28° 4          | 27°50          | 26°49         | 18°32          | 25°55          | 25° 4          | 2°12         | 0°33           | 29°11            | 7°15          | 26°55  | T 13 |
| W14  | 15 25 22 | 22°48'07 | 1 <b>ਰ</b> 47  | 2 <b>II</b> 2 | 29°18          | 28°30          | 27° 3         | 18°40          | 25°59          | 25° 3          | 2°13         | 0°26           | 29° 8            | 7°22          | 26°59  | W14  |
| T 15 | 15 29 19 | 23°45'58 | 16° 4          | 4° 7          | 0耳32           | 29°11          | 27°17         | 18°47          | 26° 2          | 25° 2          | 2°13         | 0°19           | 29° 5            | 7°28          | 27° 3  | T 15 |
| F 16 | 15 33 16 | 24°43'48 | 29°52          | 6°11          | 1°46           | 29°51          | 27°31         | 18°55          | 26° 6          | 25° 1          | 2°14         | 0°15           | 29° 1            | 7°35          | 27° 8  | F 16 |
| S 17 | 15 37 12 | 25°41'36 | 13≈10          | 8°12          | 3° 0           | 0 <b>∺</b> 32  | 27°45         | 19° 3          | 26° 9          | 25° 1          | 2°15         | 0°12           | 28°58            | 7°42          | 27°12  | S 17 |
| S 18 | 15 41 9  | 26°39'23 | 26° 2          | 10°11         | 4°13           | 1°12           | 27°59         | 19°10          | 26°13          | 25° 0          | 2°16         | 0°D11          | 28°55            | 7°49          | 27°17  | S 18 |
| M19  | 15 45 5  | 27°37'09 | 8 <b>∺</b> 31  | 12° 8         | 5°27           | 1°53           | 28°13         | 19°18          | 26°16          | 25° 0          | 2°17         | 0°12           | 28°52            | 7°55          | 27°21  | M19  |
|      | 15 49 2  | 28°34'54 | 20°43          | 14° 2         | 6°41           | 2°33           | 28°28         | 19°26          | 26°20          | 24°59          | 2°18         | 0°12           | 28°49            | 8° 2          | 27°26  | T 20 |
|      | 15 52 58 | 29°32'38 | 2 <b>Υ</b> 42  | 15°53         | 7°55           | 3°13           | 28°42         | 19°33          | 26°23          | 24°59          | 2°18         | 0°R13          | 28°46            | 8° 9          | 27°31  | W21  |
| T 22 | 15 56 55 | 0∏30'21  | 14°33          | 17°42         | 9° 8           | 3°54           | 28°56         | 19°41          | 26°27          | 24°58          | 2°19         | 0°12           | 28°42            | 8°15          | 27°35  | T 22 |
| F 23 | 16 0 51  | 1°28'02  | 26°21          | 19°28         | 10°22          | 4°34           | 29°10         | 19°49          | 26°30          | 24°58          | 2°20         | 0° 8           | 28°39            | 8°22          | 27°40  | F 23 |
| S 24 | 16 4 48  | 2°25'43  | 8 <b>8</b> 9   | 21°10         | 11°36          | 5°14           | 29°24         | 19°56          | 26°34          | 24°57          | 2°21         | 0° 2           | 28°36            | 8°29          | 27°45  | S 24 |
| S 25 | 16 8 45  | 3°23'22  | 19°59          | 22°50         | 12°50          | 5°54           | 29°38         | 20° 4          | 26°37          | 24°57          | 2°22         | 29 <b>m</b> 54 | 28°33            | 8°35          | 27°50  | S 25 |
| M26  | 16 12 41 | 4°21'01  | 1 <b>Ⅱ</b> 55  | 24°27         | 14° 3          | 6°34           | 29°52         | 20°11          | 26°41          | 24°56          | 2°23         | 29°44          | 28°30            | 8°42          | 27°55  | M26  |
| T 27 | 16 16 38 | 5°18'38  | 13°57          | 26° 0         | 15°17          | 7°13           | 0 <b>Π</b> 7  | 20°19          | 26°44          | 24°56          | 2°24         | 29°32          | 28°26            | 8°49          | 28° 0  | T 27 |
| W28  | 16 20 34 | 6°16'14  | 26° 7          | 27°31         | 16°31          | 7°53           | 0°21          | 20°27          | 26°48          | 24°56          | 2°25         | 29°20          | 28°23            | 8°55          | 28° 6  | W28  |
| T 29 | 16 24 31 | 7°13'48  | 8926           | 28°58         | 17°44          | 8°33           | 0°35          | 20°34          | 26°51          | 24°56          | 2°26         | 29° 8          | 28°20            | 9° 2          | 28°11  | T 29 |
|      | 16 28 27 | 8°11'22  | 20°55          | 0ഇ22          | 18°58          | 9°12           | 0°49          | 20°42          | 26°55          | 24°55          | 2°27         | 28°59          | 28°17            | 9° 9          | 28°16  | F 30 |
| S 31 | 16 32 24 | 9耳 8'54  | 3 <b>Ω</b> 35  | 19543         | 20 <b>Ⅱ</b> 12 | 9 <b>∺</b> 52  | 1 <b>II</b> 3 | 20 <b>8</b> 49 | 26 <b>8</b> 58 | 24 Mp 55       | $2\Omega$ 28 | 28 <b>m</b> 52 | 28 Mp 14         | 9 <b>8</b> 15 | 289522 | S 31 |

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|------|----------|------------------|-----------------|---------------|----------------|-----------------|---------------|-------|----------------|----------|---------------|------------------|-----------------|----------------|---------------|------|
| S 1  | 16 36 20 | 10 <b>Ⅱ</b> 6'25 | 16 <b>Ω</b> 29  | 3 <b>95</b> 1 | 21 <b>Ⅲ</b> 25 | 10 <b>)</b> (31 | 1 <b>I</b> I7 | 20856 | 27 <b>8</b> 2  | 24°R55   | 2 <b>Ω</b> 30 | 28°R47           | 28 <b>m</b> )11 | 9 <b>8</b> 22  | 289527        | S 1  |
| M 2  | 16 40 17 | 11° 3'54         | 29°39           | 4°15          | 22°39          | 11°11           | 1°31          | 21° 4 | 27° 5          | 24 Mp 55 | 2°31          | 28 <b>m</b> ) 45 | 28° 7           | 9°29           | 28°33         | M 2  |
| T 3  | 16 44 14 | 12° 1'22         | 13 <b>m</b> ) 7 | 5°26          | 23°53          | 11°50           | 1°45          | 21°11 | 27° 8          | 24°55    | 2°32          | 28°D44           | 28° 4           | 9°35           | 28°38         | T 3  |
| W 4  | 16 48 10 | 12°58'49         | 26°55           | 6°33          | 25° 6          | 12°29           | 1°59          | 21°19 | 27°12          | 24°55    | 2°33          | 28°R45           | 28° 1           | 9°42           | 28°44         | W 4  |
| T 5  | 16 52 7  | 13°56'15         | 11 <b>♀</b> 4   | 7°37          | 26°20          | 13° 8           | 2°13          | 21°26 | 27°15          | 24°55    | 2°34          | 28°44            | 27°58           | 9°49           | 28°49         | T 5  |
| F 6  | 16 56 3  | 14°53'39         | 25°34           | 8°38          | 27°33          | 13°47           | 2°27          | 21°33 | 27°19          | 24°D54   | 2°35          | 28°42            | 27°55           | 9°55           | 28°55         | F 6  |
| S 7  | 17 0 0   | 15°51'03         | 10 <b>M</b> 22  | 9°34          | 28°47          | 14°26           | 2°41          | 21°41 | 27°22          | 24°55    | 2°37          | 28°37            | 27°51           | 10° 2          | 29° 1         | S 7  |
| S 8  | 17 3 56  | 16°48'25         | 25°22           | 10°27         | 0න 0           | 15° 4           | 2°55          | 21°48 | 27°25          | 24°55    | 2°38          | 28°30            | 27°48           | 10° 9          | 29° 7         | S 8  |
| M 9  | 17 7 53  | 17°45'46         | 10 <b>×</b> 25  | 11°16         | 1°14           | 15°43           | 3° 9          | 21°55 | 27°29          | 24°55    | 2°39          | 28°21            | 27°45           | 10°15          | 29°13         | M 9  |
| T 10 | 17 11 49 | 18°43'07         | 25°22           | 12° 2         | 2°27           | 16°22           | 3°23          | 22° 2 | 27°32          | 24°55    | 2°40          | 28°10            | 27°42           | 10°22          | 29°19         | T 10 |
| W11  | 17 15 46 | 19°40'27         | 10ට 3           | 12°43         | 3°41           | 17° 0           | 3°37          | 22°10 | 27°35          | 24°55    | 2°42          | 27°59            | 27°39           | 10°29          | 29°25         | W11  |
| T 12 | 17 19 43 | 20°37'46         | 24°21           | 13°20         | 4°54           | 17°38           | 3°50          | 22°17 | 27°38          | 24°55    | 2°43          | 27°50            | 27°36           | 10°35          | 29°31         | T 12 |
| F 13 | 17 23 39 | 21°35'05         | 8≈12            | 13°53         | 6° 8           | 18°16           | 4° 4          | 22°24 | 27°42          | 24°55    | 2°44          | 27°42            | 27°32           | 10°42          | 29°37         | F 13 |
| S 14 | 17 27 36 | 22°32'23         | 21°35           | 14°22         | 7°21           | 18°54           | 4°18          | 22°31 | 27°45          | 24°56    | 2°46          | 27°37            | 27°29           | 10°49          | 29°43         | S 14 |
| S 15 | 17 31 32 | 23°29'41         | 4 <b>) (</b> 30 | 14°46         | 8°35           | 19°32           | 4°32          | 22°38 | 27°48          | 24°56    | 2°47          | 27°34            | 27°26           | 10°56          | 29°49         | S 15 |
| M16  | 17 35 29 | 24°26'58         | 17° 2           | 15° 6         | 9°48           | 20°10           | 4°45          | 22°45 | 27°51          | 24°56    | 2°49          | 27°33            | 27°23           | 11° 2          | 29°55         | M16  |
| T 17 | 17 39 25 | 25°24'15         | 29°15           | 15°21         | 11° 2          | 20°48           | 4°59          | 22°52 | 27°55          | 24°56    | 2°50          | 27°33            | 27°20           | 11° 9          | 0 <b>Ω</b> 1  | T 17 |
| W18  | 17 43 22 | 26°21'32         | 11 <b>Y</b> 14  | 15°32         | 12°15          | 21°25           | 5°13          | 22°59 | 27°58          | 24°57    | 2°51          | 27°33            | 27°17           | 11°16          | 0° 8          | W18  |
| T 19 | 17 47 18 | 27°18'48         | 23° 5           | 15°38         | 13°28          | 22° 3           | 5°26          | 23° 6 | 28° 1          | 24°57    | 2°53          | 27°31            | 27°13           | 11°22          | 0°14          | T 19 |
| F 20 | 17 51 15 | 28°16'05         | 4 <b>8</b> 54   | 15°R40        | 14°42          | 22°40           | 5°40          | 23°12 | 28° 4          | 24°58    | 2°54          | 27°28            | 27°10           | 11°29          | 0°20          | F 20 |
| S 21 | 17 55 12 | 29°13'21         | 16°43           | 15°37         | 15°55          | 23°17           | 5°53          | 23°19 | 28° 7          | 24°58    | 2°56          | 27°21            | 27° 7           | 11°36          | 0°27          | S 21 |
| S 22 | 17 59 8  | 0910'36          | 28°38           | 15°30         | 17° 9          | 23°54           | 6° 7          | 23°26 | 28°10          | 24°59    | 2°57          | 27°12            | 27° 4           | 11°42          | 0°33          | S 22 |
| M23  | 18 3 5   | 1° 7'52          | 10 <b>Ⅱ</b> 40  | 15°19         | 18°22          | 24°30           | 6°20          | 23°33 | 28°13          | 24°59    | 2°59          | 27° 0            | 27° 1           | 11°49          | 0°40          | M23  |
| T 24 | 18 7 1   | 2° 5'07          | 22°53           | 15° 3         | 19°35          | 25° 7           | 6°34          | 23°39 | 28°17          | 25° 0    | 3° 0          | 26°47            | 26°57           | 11°56          | 0°46          | T 24 |
| W25  | 18 10 58 | 3° 2'22          | 59915           | 14°43         | 20°49          | 25°43           | 6°47          | 23°46 | 28°20          | 25° 0    | 3° 2          | 26°34            | 26°54           | 12° 2          | 0°53          | W25  |
| T 26 | 18 14 54 | 3°59'37          | 17°50           | 14°20         | 22° 2          | 26°19           | 7° 0          | 23°52 | 28°23          | 25° 1    | 3° 3          | 26°21            | 26°51           | 12° 9          | 1° 0          | T 26 |
| F 27 | 18 18 51 | 4°56'51          | 0 <b>Ω</b> 35   | 13°53         | 23°15          | 26°55           | 7°14          | 23°59 | 28°26          | 25° 2    | 3° 5          | 26°11            | 26°48           | 12°16          | 1° 6          | F 27 |
| S 28 | 18 22 48 | 5°54'05          | 13°32           | 13°24         | 24°29          | 27°31           | 7°27          | 24° 5 | 28°28          | 25° 2    | 3° 6          | 26° 3            | 26°45           | 12°22          | 1°13          | S 28 |
| S 29 | 18 26 44 | 6°51'19          | 26°40           | 12°52         | 25°42          | 28° 7           | 7°40          | 24°12 | 28°31          | 25° 3    | 3° 8          | 25°57            | 26°42           | 12°29          | 1°20          | S 29 |
| M30  | 18 30 41 | 79548'32         | 10 <b>m</b> ) 0 | 129518        | 26955          | 28 <b>)</b> 42  | 7 <b>Ⅱ</b> 53 | 24818 | 28 <b>8</b> 34 | 25 Mp 4  | 3 <b>Ω</b> 9  | 25 <b>m</b> 55   | 26 <b>m</b> 38  | 12 <b>8</b> 36 | 1 <b>Q</b> 26 | M30  |

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| Day         | Sid.t                | 0                           | D                        | ğ                       | ·                      | ð                       | 4                      | ħ                       | )ұ(                     | ¥                        | Р                     | ß                | v                        | Ç                       | ę,                    | Day         |
|-------------|----------------------|-----------------------------|--------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|--------------------------|-----------------------|------------------|--------------------------|-------------------------|-----------------------|-------------|
| T 1<br>W 2  | 18 34 37<br>18 38 34 | 8 <b>©</b> 45'45<br>9°42'57 | 23 m/33<br>7 <u>Ω</u> 20 | 11°R42<br>11 <b>©</b> 6 | 28 <b>©</b> 8<br>29°22 | 29 <b>¥</b> 17<br>29°52 | 8 <b>Ⅱ</b> 6<br>8°19   | 24 <b>8</b> 24<br>24°31 | 28 <b>8</b> 37<br>28°40 | 25 m 5<br>25° 5          | 3 <b>Ω</b> 11<br>3°12 | 25°D54<br>25°R54 | 26m/35<br>26°32          | 12 <b>8</b> 42<br>12°49 | 1 <b>Ω</b> 33<br>1°40 | T 1<br>W 2  |
| T 3         | 18 42 30             | 10°40'09                    | 21°22                    | 10°29                   | 0 <b>Ω</b> 35          | 0 <b>Υ</b> 27           | 8°32                   | 24°37                   | 28°43                   | 25° 6                    | 3°14                  | 25 m 54          | 26°29                    | 12°56                   | 1°47                  | T 3         |
| F 4         | 18 46 27             | 11°37'21                    | 5 <b>M</b> .38           | 9°53                    | 1°48                   | 1° 2                    | 8°45                   | 24°43                   | 28°46                   | 25° 7                    | 3°16                  | 25°52            | 26°26                    | 13° 3                   | 1°54                  | F 4         |
| S 5         | 18 50 23             | 12°34'32                    | 20° 7                    | 9°18                    | 3° 1                   | 1°36                    | 8°58                   | 24°49                   | 28°48                   | 25° 8                    | 3°17                  | 25°48            | 26°23                    | 13° 9                   | 2° 1                  | S 5         |
| S 6         | 18 54 20             | 13°31'43                    | 4 <b>₹</b> 45            | 8°44                    | 4°15                   | 2°10                    | 9°11                   | 24°55                   | 28°51                   | 25° 9                    | 3°19                  | 25°41            | 26°19                    | 13°16                   | 2° 8                  | S 6         |
| M 7         | 18 58 17             | 14°28'54                    | 19°26                    | 8°13                    | 5°28                   | 2°44                    | 9°23                   | 25° 1                   | 28°54                   | 25°10                    | 3°20                  | 25°32            | 26°16                    | 13°23                   | 2°14                  | M 7         |
| T 8<br>W 9  | 19 2 13<br>19 6 10   | 15°26'05<br>16°23'16        | 4 <b>る</b> 2<br>18°27    | 7°45<br>7°19            | 6°41<br>7°54           | 3°17<br>3°51            | 9°36<br>9°49           | 25° 7<br>25°13          | 28°56<br>28°59          | 25°11<br>25°12           | 3°22<br>3°24          | 25°22<br>25°12   | 26°13<br>26°10           | 13°29<br>13°36          | 2°21<br>2°28          | T 8<br>W 9  |
| T 10        | 19 10 6              | 10°23°10                    | 2≈34                     | 6°58                    | 9° 7                   | 4°24                    | 10° 1                  | 25°18                   | 29° 2                   | 25°13                    | 3°25                  | 25° 3            | 26° 7                    | 13°43                   | 2°35                  | T 10        |
| F 11        | 19 14 3              | 18°17'39                    | 16°18                    | 6°41                    | 10°20                  | 4°57                    | 10°14                  | 25°24                   | 29° 4                   | 25°14                    | 3°27                  | 24°55            | 26° 3                    | 13°49                   | 2°42                  | F 11        |
| S 12        | 19 17 59             | 19°14'51                    | 29°37                    | 6°28                    | 11°33                  | 5°29                    | 10°26                  | 25°30                   | 29° 7                   | 25°15                    | 3°29                  | 24°50            | 26° 0                    | 13°56                   | 2°49                  | S 12        |
| S 13        | 19 21 56             | 20°12'03                    | 12 <b>)</b> 32           | 6°20                    | 12°46                  | 6° 2                    | 10°39                  | 25°35                   | 29° 9                   | 25°16                    | 3°30                  | 24°48            | 25°57                    | 14° 3                   | 2°57                  | S 13        |
| M14         | 19 25 52             | 21° 9'15                    | 25° 5                    | 6°D17                   | 13°59                  | 6°34                    | 10°51                  | 25°41                   | 29°12                   | 25°17                    | 3°32                  | 24°D47           | 25°54                    | 14° 9                   | 3° 4                  | M14         |
| T 15        | 19 29 49             | 22° 6'28                    | 7 <b>Υ</b> 20            | 6°20                    | 15°12                  | 7° 5                    | 11° 3                  | 25°46                   | 29°14                   | 25°19                    | 3°34                  | 24°47            | 25°51                    | 14°16                   | 3°11                  | T 15        |
| W16<br>T 17 | 19 33 46<br>19 37 42 | 23° 3'42<br>24° 0'57        | 19°21<br>1 <b>8</b> 14   | 6°27<br>6°41            | 16°25<br>17°38         | 7°37<br>8° 8            | 11°15<br>11°28         | 25°51<br>25°57          | 29°17<br>29°19          | 25°20<br>25°21           | 3°35<br>3°37          | 24°R48<br>24°48  | 25°48<br>25°44           | 14°23<br>14°29          | 3°18<br>3°25          | W16<br>T 17 |
| F 18        | 19 41 39             | 24°58'12                    | 13° 5                    | 6°59                    | 17 36<br>18°51         | 8°39                    | 11°40                  | 26° 2                   | 29°21                   | 25°22                    | 3°39                  | 24°46            | 25°41                    | 14°29                   | 3°32                  | F 18        |
| S 19        | 19 45 35             | 25°55'27                    | 24°57                    | 7°24                    | 20° 4                  | 9° 9                    | 11°52                  | 26° 7                   | 29°23                   | 25°24                    | 3°40                  | 24°42            | 25°38                    | 14°43                   | 3°39                  | S 19        |
| S 20        | 19 49 32             | 26°52'44                    | 6П55                     | 7°54                    | 21°17                  | 9°39                    | 12° 3                  | 26°12                   | 29°26                   | 25°25                    | 3°42                  | 24°36            | 25°35                    | 14°50                   | 3°46                  | S 20        |
| M21         | 19 53 28             | 27°50'01                    | 19° 4                    | 8°29                    | 22°30                  | 10° 9                   | 12°15                  | 26°17                   | 29°28                   | 25°26                    | 3°44                  | 24°28            | 25°32                    | 14°56                   | 3°54                  | M21         |
| T 22<br>W23 | 19 57 25<br>20 1 21  | 28°47'19<br>29°44'38        | 1 <b>95</b> 26<br>14° 1  | 9°11<br>9°57            | 23°43<br>24°56         | 10°39<br>11° 8          | 12°27<br>12°39         | 26°22<br>26°27          | 29°30<br>29°32          | 25°28<br>25°29           | 3°45<br>3°47          | 24°19<br>24° 9   | 25°29<br>25°25           | 15° 3<br>15°10          | 4° 1<br>4° 8          | T 22<br>W23 |
| T 24        | 20 121               | $0\Omega41'57$              | 26°52                    | 10°49                   | 24° 36° 9              | 11°36                   | 12°50                  | 26°32                   | 29°34                   | 25°31                    | 3°49                  | 24 9<br>23°59    | 25°22                    | 15°16                   | 4 8<br>4°15           | T 24        |
| F 25        | 20 9 15              | 1°39'17                     | 9 <b>0</b> 57            | 11°47                   | 27°22                  | 12° 5                   | 13° 2                  | 26°36                   | 29°36                   | 25°32                    | 3°51                  | 23°52            | 25°19                    | 15°23                   | 4°22                  | F 25        |
| S 26        | 20 13 11             | 2°36'38                     | 23°15                    | 12°50                   | 28°34                  | 12°33                   | 13°13                  | 26°41                   | 29°38                   | 25°34                    | 3°52                  | 23°46            | 25°16                    | 15°30                   | 4°30                  | S 26        |
| S 27        | 20 17 8              | 3°33'59                     | 6 <b>m</b> /44           | 13°58                   | 29°47                  | 13° 0                   | 13°24                  | 26°46                   | 29°40                   | 25°35                    | 3°54                  | 23°42            | 25°13                    | 15°36                   | 4°37                  | S 27        |
| M28         | 20 21 4              | 4°31'20                     | 20°25                    | 15°11                   | 1 Mp 0                 | 13°27                   | 13°36                  | 26°50                   | 29°42                   | 25°37                    | 3°56                  | 23°D41           | 25° 9                    | 15°43                   | 4°44                  | M28         |
| T 29        | 20 25 1              | 5°28'42                     | 4 <u><b>Ω</b></u> 14     | 16°29                   | 2°13                   | 13°54<br>14°20          | 13°47                  | 26°54<br>26°59          | 29°44<br>29°46          | 25°38<br>25°40           | 3°57<br>3°59          | 23°41<br>23°43   | 25° 6<br>25° 3           | 15°50                   | 4°51                  | T 29        |
| W30<br>T 31 | 20 28 57<br>20 32 54 | 6°26'05<br>7 <b>Ω</b> 23'28 | 18°11<br>2 <b>M</b> .16  | 17°53<br>19 <b>©</b> 20 | 3°26<br>4 <b>m</b> 38  | 14°20<br>14 <b>°</b> 46 | 13°58<br>14 <b>Ⅱ</b> 9 | 26°59<br>27 <b>8</b> 3  | 29°46<br>29 <b>8</b> 48 | 25°40<br>25 <b>m</b> )41 | 3°59<br>4 <b>Ω</b> 1  | 23°43<br>23°R43  | 25° 3<br>25 <b>m</b> ) 0 | 15°56<br>16 <b>8</b> 3  | 4°59<br>5 <b>Ω</b> 6  | W30<br>T 31 |
| 1 31        | 20 32 34             | 70 623 20                   | 211010                   | 17-320                  | - TIN 30               | 17 1 70                 | 174 /                  | 210 3                   | 27040                   | 25 m/ T1                 | -10 C I               | 23 1173          | 23110                    | 100 3                   | 206 0                 | 1 31        |

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| Day  | Sid.t    | $\odot$          | D               | ğ              | φ              | ♂              | 4              | ħ              | )f(            | ¥        | Р             | v              | Ω              | Ç              | Š             | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------|---------------|----------------|----------------|----------------|---------------|------|
| F 1  | 20 36 50 | 8 <b>Ω</b> 20'52 | 16 <b>M</b> 27  | 20952          | 5 <b>m</b> 51  | 15 <b>Y</b> 11 | 14 <b>Ⅱ</b> 20 | 27 <b>8</b> 7  | 29 <b>8</b> 49 | 25 Mp 43 | 4 <b>Ω</b> 3  | 23°R43         | 24 m 57        | 16810          | 5 <b>Ω</b> 13 | F 1  |
| S 2  | 20 40 47 | 9°18'16          | 0 <b>,</b> 742  | 22°29          | 7° 4           | 15°36          | 14°30          | 27°11          | 29°51          | 25°45    | 4° 4          | 23 Mp 41       | 24°54          | 16°17          | 5°20          | S 2  |
| S 3  | 20 44 44 | 10°15'41         | 14°59           | 24° 9          | 8°16           | 16° 1          | 14°41          | 27°15          | 29°53          | 25°46    | 4° 6          | 23°38          | 24°50          | 16°23          | 5°27          | S 3  |
| M 4  | 20 48 40 | 11°13'07         | 29°14           | 25°54          | 9°29           | 16°25          | 14°52          | 27°19          | 29°54          | 25°48    | 4° 8          | 23°32          | 24°47          | 16°30          | 5°35          | M 4  |
| T 5  | 20 52 37 | 12°10'33         | 13 <b>る</b> 24  | 27°41          | 10°41          | 16°48          | 15° 2          | 27°22          | 29°56          | 25°50    | 4° 9          | 23°26          | 24°44          | 16°37          | 5°42          | T 5  |
| W 6  | 20 56 33 | 13° 8'00         | 27°23           | 29°32          | 11°54          | 17°11          | 15°12          | 27°26          | 29°58          | 25°51    | 4°11          | 23°20          | 24°41          | 16°43          | 5°49          | W 6  |
| T 7  | 21 0 30  | 14° 5'29         | 11≈ 8           | 1 <b>Ω</b> 26  | 13° 6          | 17°34          | 15°23          | 27°30          | 29°59          | 25°53    | 4°13          | 23°14          | 24°38          | 16°50          | 5°56          | T 7  |
| F 8  | 21 4 26  | 15° 2'58         | 24°35           | 3°22           | 14°19          | 17°56          | 15°33          | 27°33          | 0 <b>Ⅱ</b> 1   | 25°55    | 4°14          | 23°10          | 24°35          | 16°57          | 6° 4          | F 8  |
| S 9  | 21 8 23  | 16° 0'28         | 7 <b>)</b> 42   | 5°19           | 15°31          | 18°17          | 15°43          | 27°37          | 0° 2           | 25°57    | 4°16          | 23° 7          | 24°31          | 17° 3          | 6°11          | S 9  |
| S 10 | 21 12 19 | 16°57'59         | 20°30           | 7°19           | 16°44          | 18°38          | 15°53          | 27°40          | 0° 3           | 25°58    | 4°18          | 23°D 6         | 24°28          | 17°10          | 6°18          | S 10 |
| M11  | 21 16 16 | 17°55'32         | 2 <b>Y</b> 59   | 9°20           | 17°56          | 18°58          | 16° 3          | 27°43          | 0° 5           | 26° 0    | 4°19          | 23° 6          | 24°25          | 17°17          | 6°25          | M11  |
| T 12 | 21 20 13 | 18°53'06         | 15°13           | 11°22          | 19° 9          | 19°18          | 16°12          | 27°46          | 0° 6           | 26° 2    | 4°21          | 23° 8          | 24°22          | 17°23          | 6°32          | T 12 |
| W13  | 21 24 9  | 19°50'41         | 27°15           | 13°24          | 20°21          | 19°37          | 16°22          | 27°49          | 0° 7           | 26° 4    | 4°23          | 23° 9          | 24°19          | 17°30          | 6°39          | W13  |
| T 14 | 21 28 6  | 20°48'18         | 9 <b>8</b> 9    | 15°27          | 21°33          | 19°55          | 16°31          | 27°52          | 0° 8           | 26° 6    | 4°24          | 23°11          | 24°15          | 17°37          | 6°46          | T 14 |
| F 15 | 21 32 2  | 21°45'56         | 21° 1           | 17°29          | 22°45          | 20°13          | 16°41          | 27°55          | 0° 9           | 26° 8    | 4°26          | 23°R11         | 24°12          | 17°44          | 6°54          | F 15 |
| S 16 | 21 35 59 | 22°43'36         | 2 <b>Ⅱ</b> 54   | 19°32          | 23°58          | 20°31          | 16°50          | 27°58          | 0°10           | 26°10    | 4°28          | 23°11          | 24° 9          | 17°50          | 7° 1          | S 16 |
| S 17 | 21 39 55 | 23°41'18         | 14°55           | 21°34          | 25°10          | 20°47          | 16°59          | 28° 0          | 0°11           | 26°12    | 4°29          | 23° 9          | 24° 6          | 17°57          | 7° 8          | S 17 |
| M18  | 21 43 52 | 24°39'01         | 27° 6           | 23°35          | 26°22          | 21° 3          | 17° 8          | 28° 3          | 0°12           | 26°14    | 4°31          | 23° 6          | 24° 3          | 18° 4          | 7°15          | M18  |
| T 19 | 21 47 48 | 25°36'45         | 9 <b>93</b> 3   | 25°36          | 27°34          | 21°18          | 17°17          | 28° 5          | 0°13           | 26°16    | 4°33          | 23° 2          | 24° 0          | 18°10          | 7°22          | T 19 |
| W20  | 21 51 45 | 26°34'31         | 22°17           | 27°35          | 28°46          | 21°33          | 17°26          | 28° 8          | 0°14           | 26°18    | 4°34          | 22°58          | 23°56          | 18°17          | 7°29          | W20  |
| T 21 | 21 55 41 | 27°32'19         | 5 <b>Ω</b> 20   | 29°34          | 29°59          | 21°47          | 17°35          | 28°10          | 0°15           | 26°20    | 4°36          | 22°54          | 23°53          | 18°24          | 7°36          | T 21 |
| F 22 | 21 59 38 | 28°30'08         | 18°42           | 1 mp 31        | 1 <u>₽</u> 11  | 22° 0          | 17°43          | 28°12          | 0°16           | 26°22    | 4°37          | 22°51          | 23°50          | 18°30          | 7°43          | F 22 |
| S 23 | 22 3 35  | 29°27'59         | 2 Mg 22         | 3°28           | 2°23           | 22°12          | 17°52          | 28°14          | 0°16           | 26°24    | 4°39          | 22°48          | 23°47          | 18°37          | 7°50          | S 23 |
| S 24 | 22 7 31  | 0 <b>m</b> 25'51 | 16°17           | 5°23           | 3°35           | 22°24          | 18° 0          | 28°16          | 0°17           | 26°26    | 4°41          | 22°D47         | 23°44          | 18°44          | 7°57          | S 24 |
| M25  | 22 11 28 | 1°23'44          | 0 <b>ჲ</b> 23   | 7°17           | 4°47           | 22°35          | 18° 8          | 28°18          | 0°18           | 26°28    | 4°42          | 22°47          | 23°41          | 18°51          | 8° 4          | M25  |
| T 26 | 22 15 24 | 2°21'39          | 14°37           | 9° 9           | 5°59           | 22°45          | 18°16          | 28°20          | 0°18           | 26°30    | 4°44          | 22°48          | 23°37          | 18°57          | 8°11          | T 26 |
| W27  | 22 19 21 | 3°19'35          | 28°55           | 11° 0          | 7°10           | 22°54          | 18°24          | 28°21          | 0°19           | 26°32    | 4°45          | 22°49          | 23°34          | 19° 4          | 8°18          | W27  |
| T 28 | 22 23 17 | 4°17'33          | 13 <b>M</b> .14 | 12°50          | 8°22           | 23° 3          | 18°31          | 28°23          | 0°19           | 26°34    | 4°47          | 22°51          | 23°31          | 19°11          | 8°24          | T 28 |
| F 29 | 22 27 14 | 5°15'31          | 27°30           | 14°39          | 9°34           | 23°11          | 18°39          | 28°24          | 0°20           | 26°36    | 4°48          | 22°51          | 23°28          | 19°17          | 8°31          | F 29 |
| S 30 | 22 31 10 | 6°13'31          | 11 <b>,7</b> 41 | 16°26          | 10°46          | 23°18          | 18°46          | 28°26          | 0°20           | 26°38    | 4°50          | 22°R51         | 23°25          | 19°24          | 8°38          | S 30 |
| S 31 | 22 35 7  | 7 <b>m</b> 11'33 | 25 <b>×</b> 145 | 18 <b>M</b> 12 | 11 <b>≏</b> 58 | 23 <b>Y</b> 24 | 18 <b>Ⅱ</b> 54 | 28 <b>8</b> 27 | 0Д20           | 26Mp40   | 4 <b>Ω</b> 51 | 22 <b>m</b> 51 | 23 <b>m</b> 21 | 19 <b>8</b> 31 | 8 <b>Ω</b> 45 | S 31 |

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| Day  | Sid.t    | 0                | D               | ğ              | Q              | ♂              | 4               | ħ              | )∤(           | ¥              | Р             | P        | v        | Ç              | Q<br>K         | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|-----------------|----------------|---------------|----------------|---------------|----------|----------|----------------|----------------|------|
| M 1  | 22 39 4  | 8mg 9'35         | 9 <b>る</b> 40   | 19 <b>m</b> 57 | 13 <b>♀</b> 9  | 23 <b>Y</b> 29 | 19耳 1           | 28 <b>8</b> 28 | 0 <b>Д</b> 21 | 26 Mp 42       | 4 <b>Ω</b> 53 | 22°R49   | 23 Mp 18 | 19 <b>8</b> 37 | 8 <b>Ω</b> 51  | M 1  |
| T 2  | 22 43 0  | 9° 7'40          | 23°24           | 21°41          | 14°21          | 23°33          | 19°8            | 28°29          | 0°21          | 26°44          | 4°54          | 22 Mp 48 | 23°15    | 19°44          | 8°58           | T 2  |
| W 3  | 22 46 57 | 10° 5'45         | 6≈56            | 23°23          | 15°33          | 23°37          | 19°15           | 28°30          | 0°21          | 26°47          | 4°56          | 22°46    | 23°12    | 19°51          | 9° 5           | W 3  |
| T 4  | 22 50 53 | 11° 3'52         | 20°15           | 25° 4          | 16°44          | 23°40          | 19°21           | 28°31          | 0°21          | 26°49          | 4°57          | 22°44    | 23° 9    | 19°58          | 9°11           | T 4  |
| F 5  | 22 54 50 | 12° 2'01         | 3 <b>∺</b> 19   | 26°44          | 17°56          | 23°42          | 19°28           | 28°31          | 0°21          | 26°51          | 4°59          | 22°43    | 23° 6    | 20° 4          | 9°18           | F 5  |
| S 6  | 22 58 46 | 13° 0'11         | 16° 8           | 28°23          | 19° 7          | 23°43          | 19°34           | 28°32          | 0°R21         | 26°53          | 5° 0          | 22°43    | 23° 2    | 20°11          | 9°24           | S 6  |
| S 7  | 23 2 43  | 13°58'23         | 28°43           | 0 <b>亚</b> 0   | 20°18          | 23°R43         | 19°40           | 28°32          | 0°21          | 26°55          | 5° 1          | 22°D43   | 22°59    | 20°18          | 9°31           | S 7  |
| M 8  | 23 6 39  | 14°56'37         | 11 <b>°</b> 4   | 1°36           | 21°30          | 23°43          | 19°47           | 28°33          | 0°21          | 26°57          | 5° 3          | 22°43    | 22°56    | 20°24          | 9°37           | M 8  |
| T 9  | 23 10 36 | 15°54'52         | 23°13           | 3°12           | 22°41          | 23°41          | 19°52           | 28°33          | 0°21          | 27° 0          | 5° 4          | 22°44    | 22°53    | 20°31          | 9°44           | T 9  |
| W10  | 23 14 33 | 16°53'10         | 5 <b>8</b> 13   | 4°46           | 23°52          | 23°39          | 19°58           | 28°33          | 0°21          | 27° 2          | 5° 5          | 22°45    | 22°50    | 20°38          | 9°50           | W10  |
| T 11 | 23 18 29 | 17°51'30         | 17° 7           | 6°18           | 25° 4          | 23°35          | 20° 4           | 28°R33         | 0°21          | 27° 4          | 5° 7          | 22°45    | 22°46    | 20°44          | 9°57           | T 11 |
| F 12 | 23 22 26 | 18°49'52         | 28°58           | 7°50           | 26°15          | 23°31          | 20° 9           | 28°33          | 0°20          | 27° 6          | 5° 8          | 22°46    | 22°43    | 20°51          | 10° 3          | F 12 |
| S 13 | 23 26 22 | 19°48'15         | 10 <b>Ⅱ</b> 51  | 9°21           | 27°26          | 23°26          | 20°14           | 28°33          | 0°20          | 27° 8          | 5° 9          | 22°46    | 22°40    | 20°58          | 10° 9          | S 13 |
| S 14 | 23 30 19 | 20°46'41         | 22°51           | 10°50          | 28°37          | 23°20          | 20°19           | 28°32          | 0°19          | 27°11          | 5°11          | 22°R46   | 22°37    | 21° 5          | 10°15          | S 14 |
| M15  | 23 34 15 | 21°45'10         | 599 1           | 12°19          | 29°48          | 23°14          | 20°24           | 28°32          | 0°19          | 27°13          | 5°12          | 22°46    | 22°34    | 21°11          | 10°21          | M15  |
| T 16 | 23 38 12 | 22°43'40         | 17°28           | 13°46          | 0 <b>M</b> .59 | 23° 6          | 20°29           | 28°31          | 0°19          | 27°15          | 5°13          | 22°D46   | 22°31    | 21°18          | 10°28          | T 16 |
| W17  | 23 42 8  | 23°42'13         | $0\Omega$ 13    | 15°12          | 2°10           | 22°58          | 20°34           | 28°31          | 0°18          | 27°17          | 5°14          | 22°46    | 22°27    | 21°25          | 10°34          | W17  |
| T 18 | 23 46 5  | 24°40'47         | 13°20           | 16°37          | 3°21           | 22°49          | 20°38           | 28°30          | 0°17          | 27°20          | 5°16          | 22°46    | 22°24    | 21°31          | 10°40          | T 18 |
| F 19 | 23 50 2  | 25°39'24         | 26°52           | 18° 0          | 4°32           | 22°39          | 20°42           | 28°29          | 0°17          | 27°22          | 5°17          | 22°46    | 22°21    | 21°38          | 10°46          | F 19 |
| S 20 | 23 53 58 | 26°38'03         | 10 <b>m</b> /46 | 19°23          | 5°43           | 22°28          | 20°46           | 28°28          | 0°16          | 27°24          | 5°18          | 22°46    | 22°18    | 21°45          | 10°51          | S 20 |
| S 21 | 23 57 55 | 27°36'43         | 25° 1           | 20°44          | 6°53           | 22°16          | 20°50           | 28°27          | 0°15          | 27°26          | 5°19          | 22°R46   | 22°15    | 21°51          | 10°57          | S 21 |
| M22  | 0 1 51   | 28°35'26         | 9 <b>ჲ</b> 32   | 22° 4          | 8° 4           | 22° 4          | 20°54           | 28°26          | 0°15          | 27°28          | 5°20          | 22°46    | 22°12    | 21°58          | 11° 3          | M22  |
| T 23 | 0 5 48   | 29°34'11         | 24°14           | 23°22          | 9°15           | 21°51          | 20°57           | 28°25          | 0°14          | 27°31          | 5°21          | 22°46    | 22° 8    | 22° 5          | 11° 9          | T 23 |
| W24  | 0 9 44   | 0 <b>ჲ</b> 32'57 | 8 <b>M</b> .59  | 24°40          | 10°25          | 21°37          | 21° 0           | 28°23          | 0°13          | 27°33          | 5°22          | 22°45    | 22° 5    | 22°12          | 11°14          | W24  |
| T 25 | 0 13 41  | 1°31'46          | 23°40           | 25°55          | 11°36          | 21°23          | 21° 4           | 28°22          | 0°12          | 27°35          | 5°24          | 22°44    | 22° 2    | 22°18          | 11°20          | T 25 |
| F 26 | 0 17 37  | 2°30'36          | 8 <b>∡</b> 13   | 27°10          | 12°46          | 21° 8          | 21° 6           | 28°20          | 0°11          | 27°37          | 5°25          | 22°43    | 21°59    | 22°25          | 11°26          | F 26 |
| S 27 | 0 21 34  | 3°29'28          | 22°31           | 28°22          | 13°56          | 20°52          | 21° 9           | 28°19          | 0°10          | 27°40          | 5°26          | 22°42    | 21°56    | 22°32          | 11°31          | S 27 |
| S 28 | 0 25 30  | 4°28'21          | 6 <b>ප</b> 33   | 29°33          | 15° 7          | 20°36          | 21°12           | 28°17          | 0° 9          | 27°42          | 5°27          | 22°D42   | 21°52    | 22°38          | 11°37          | S 28 |
| M29  | 0 29 27  | 5°27'16          | 20°17           | 0 <b>M</b> 42  | 16°17          | 20°20          | 21°14           | 28°15          | 0° 8          | 27°44          | 5°28          | 22°43    | 21°49    | 22°45          | 11°42          | M29  |
| T 30 | 0 33 24  | 6 <b>≏</b> 26'13 | 3≈44            | 1 <b>M</b> .49 | 17 <b>M</b> 27 | 20 <b>°</b> 3  | 21 <b>I</b> I16 | 28 <b>8</b> 13 | 0耳 7          | 27 <b>M</b> 46 | 5 <b>Ω</b> 29 | 22 Mp 44 | 21 Mp 46 | 22 <b>8</b> 52 | 11 <b>Ω</b> 47 | T 30 |

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| Day  | Sid.t   | $\odot$           | D              | ğ              | φ               | ♂              | 4              | ħ              | )∤(            | ¥               | Р             | v        | Ω       | Ç              | Š              | Day  |
|------|---------|-------------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|-----------------|---------------|----------|---------|----------------|----------------|------|
| W 1  | 0 37 20 | 7 <b>≏</b> 25'12  | 16≈55          | 2M54           | 18 <b>M</b> .37 | 19°R46         | 21 <b>Ⅱ</b> 18 | 28°R11         | 0°R 5          | 27 <b>m</b> )48 | 5 <b>Ω</b> 30 | 22 Mp 45 | 21 m/43 | 22 <b>8</b> 58 | 11 <b>£</b> 53 | W 1  |
| T 2  | 0 41 17 | 8°24'13           | 29°50          | 3°57           | 19°47           | 19 <b>Y</b> 28 | 21°20          | 28 <b>8</b> 9  | 0 <b>Ⅱ</b> 4   | 27°51           | 5°30          | 22°46    | 21°40   | 23° 5          | 11°58          | T 2  |
| F 3  | 0 45 13 | 9°23'15           | 12 <b>)</b> 33 | 4°57           | 20°57           | 19°10          | 21°21          | 28° 7          | 0° 3           | 27°53           | 5°31          | 22°47    | 21°37   | 23°12          | 12° 3          | F 3  |
| S 4  | 0 49 10 | 10°22'19          | 25° 3          | 5°55           | 22° 7           | 18°52          | 21°23          | 28° 4          | 0° 2           | 27°55           | 5°32          | 22°R47   | 21°33   | 23°19          | 12° 8          | S 4  |
| S 5  | 0 53 6  | 11°21'25          | 7 <b>Υ</b> 22  | 6°49           | 23°17           | 18°33          | 21°24          | 28° 2          | 0° 0           | 27°57           | 5°33          | 22°46    | 21°30   | 23°25          | 12°13          | S 5  |
| M 6  | 0 57 3  | 12°20'33          | 19°32          | 7°41           | 24°26           | 18°14          | 21°25          | 27°59          | 29 <b>8</b> 59 | 27°59           | 5°34          | 22°45    | 21°27   | 23°32          | 12°18          | M 6  |
| T 7  | 1 0 59  | 13°19'44          | 1 <b>8</b> 34  | 8°29           | 25°36           | 17°56          | 21°26          | 27°56          | 29°57          | 28° 2           | 5°35          | 22°42    | 21°24   | 23°39          | 12°23          | T 7  |
| W 8  | 1 4 56  | 14°18'56          | 13°30          | 9°14           | 26°45           | 17°37          | 21°26          | 27°54          | 29°56          | 28° 4           | 5°35          | 22°39    | 21°21   | 23°45          | 12°27          | W 8  |
| T 9  | 1 8 53  | 15°18'11          | 25°22          | 9°54           | 27°55           | 17°18          | 21°27          | 27°51          | 29°54          | 28° 6           | 5°36          | 22°35    | 21°17   | 23°52          | 12°32          | T 9  |
| F 10 | 1 12 49 | 16°17'28          | 7 <b>Ⅱ</b> 13  | 10°30          | 29° 4           | 16°59          | 21°R27         | 27°48          | 29°53          | 28° 8           | 5°37          | 22°31    | 21°14   | 23°59          | 12°37          | F 10 |
| S 11 | 1 16 46 | 17°16'47          | 19° 6          | 11° 2          | 0 <b>∡</b> 13   | 16°40          | 21°27          | 27°45          | 29°51          | 28°10           | 5°38          | 22°28    | 21°11   | 24° 6          | 12°41          | S 11 |
| S 12 | 1 20 42 | 18°16'08          | 195 4          | 11°28          | 1°23            | 16°22          | 21°26          | 27°42          | 29°49          | 28°12           | 5°38          | 22°26    | 21° 8   | 24°12          | 12°46          | S 12 |
| M13  | 1 24 39 | 19°15'32          | 13°12          | 11°48          | 2°32            | 16° 3          | 21°26          | 27°39          | 29°48          | 28°14           | 5°39          | 22°24    | 21° 5   | 24°19          | 12°50          | M13  |
| T 14 | 1 28 35 | 20°14'58          | 25°34          | 12° 2          | 3°41            | 15°45          | 21°25          | 27°35          | 29°46          | 28°17           | 5°40          | 22°D24   | 21° 2   | 24°26          | 12°54          | T 14 |
| W15  | 1 32 32 | 21°14'26          | 8 <b>Ω</b> 14  | 12°R 9         | 4°49            | 15°27          | 21°25          | 27°32          | 29°44          | 28°19           | 5°40          | 22°25    | 20°58   | 24°32          | 12°59          | W15  |
| T 16 | 1 36 28 | 22°13'57          | 21°17          | 12° 9          | 5°58            | 15° 9          | 21°24          | 27°28          | 29°42          | 28°21           | 5°41          | 22°27    | 20°55   | 24°39          | 13° 3          | T 16 |
| F 17 | 1 40 25 | 23°13'30          | 4 Mp 46        | 12° 1          | 7° 7            | 14°52          | 21°22          | 27°25          | 29°40          | 28°23           | 5°41          | 22°28    | 20°52   | 24°46          | 13° 7          | F 17 |
| S 18 | 1 44 22 | 24°13'05          | 18°43          | 11°45          | 8°15            | 14°35          | 21°21          | 27°21          | 29°39          | 28°25           | 5°42          | 22°R29   | 20°49   | 24°52          | 13°11          | S 18 |
| S 19 | 1 48 18 | 25°12'42          | 3 <b>₾</b> 5   | 11°20          | 9°24            | 14°18          | 21°19          | 27°18          | 29°37          | 28°27           | 5°43          | 22°29    | 20°46   | 24°59          | 13°15          | S 19 |
| M20  | 1 52 15 | 26°12'22          | 17°51          | 10°46          | 10°32           | 14° 2          | 21°17          | 27°14          | 29°35          | 28°29           | 5°43          | 22°27    | 20°43   | 25° 6          | 13°19          | M20  |
| T 21 | 1 56 11 | 27°12'03          | 2 <b>M</b> 53  | 10° 4          | 11°40           | 13°47          | 21°15          | 27°10          | 29°33          | 28°31           | 5°43          | 22°23    | 20°39   | 25°13          | 13°22          | T 21 |
| W22  | 2 0 8   | 28°11'47          | 18° 2          | 9°13           | 12°48           | 13°32          | 21°13          | 27° 6          | 29°31          | 28°33           | 5°44          | 22°18    | 20°36   | 25°19          | 13°26          | W22  |
| T 23 | 2 4 4   | 29°11'33          | 3 <b>≯</b> 8   | 8°15           | 13°56           | 13°17          | 21°11          | 27° 2          | 29°29          | 28°35           | 5°44          | 22°13    | 20°33   | 25°26          | 13°30          | T 23 |
| F 24 | 2 8 1   | 0 <b>M</b> .11'20 | 18° 2          | 7°10           | 15° 4           | 13° 4          | 21° 8          | 26°58          | 29°27          | 28°37           | 5°45          | 22° 7    | 20°30   | 25°33          | 13°33          | F 24 |
| S 25 | 2 11 57 | 1°11'09           | 2 <b>ප</b> 36  | 5°59           | 16°12           | 12°51          | 21° 5          | 26°54          | 29°24          | 28°39           | 5°45          | 22° 3    | 20°27   | 25°39          | 13°36          | S 25 |
| S 26 | 2 15 54 | 2°11'00           | 16°47          | 4°44           | 17°20           | 12°38          | 21° 2          | 26°50          | 29°22          | 28°41           | 5°45          | 22° 0    | 20°23   | 25°46          | 13°40          | S 26 |
| M27  | 2 19 50 | 3°10'52           | 0≈33           | 3°28           | 18°27           | 12°27          | 20°59          | 26°46          | 29°20          | 28°43           | 5°46          | 21°D59   | 20°20   | 25°53          | 13°43          | M27  |
| T 28 | 2 23 47 | 4°10'46           | 13°54          | 2°12           | 19°34           | 12°16          | 20°55          | 26°41          | 29°18          | 28°45           | 5°46          | 21°59    | 20°17   | 26° 0          | 13°46          | T 28 |
| W29  | 2 27 44 | 5°10'42           | 26°53          | 0°59           | 20°41           | 12° 5          | 20°52          | 26°37          | 29°16          | 28°47           | 5°46          | 22° 1    | 20°14   | 26° 6          | 13°49          | W29  |
| T 30 | 2 31 40 | 6°10'39           | 9 <b></b> ₩34  | 29 <b>≙</b> 51 | 21°48           | 11°56          | 20°48          | 26°33          | 29°14          | 28°48           | 5°46          | 22° 2    | 20°11   | 26°13          | 13°52          | T 30 |
| F 31 | 2 35 37 | 7 <b>™</b> 10'38  | 22 <b>米</b> 0  | 28 <b>≏</b> 50 | 22 <b>×</b> 55  | 11 <b>Y</b> 47 | 20 <b>Ⅱ</b> 44 | 26 <b>8</b> 28 | 29 <b>8</b> 11 | 28 <b>m</b> 50  | 5 <b>Ω</b> 47 | 22°R 3   | 20Mp 8  | 26 <b>8</b> 20 | 13 <b>Ω</b> 55 | F 31 |

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|------|---------|-------------------|-----------------|----------------|-----------------|----------------|-----------------|---------------|----------------|----------------|---------------|----------------|----------------|----------------|-----------------|------|
| S 1  | 2 39 33 | 8 <b>M</b> 10'38  | <b>4</b> Υ15    | 27°R58         | 24 <b>×</b> 2   | 11°R39         | 20°R40          | 26°R24        | 29°R 9         | 28 <b>m</b> 52 | 5 <b>Ω</b> 47 | 22°R 2         | 20 mg 4        | 26826          | 13 <b>Ω</b> 58  | S 1  |
| S 2  | 2 43 30 | 9°10'40           | 16°21           | 27 <b>Ω</b> 17 | 25° 8           | 11Υ32          | 20 <b>II</b> 35 | 26819         | 29 <b>8</b> 7  | 28°54          | 5°47          | 21 m 59        | 20° 1          | 26°33          | 14° 0           | S 2  |
| M 3  | 2 47 26 | 10°10'45          | 28°21           | 26°47          | 26°14           | 11°26          | 20°31           | 26°15         | 29° 4          | 28°56          | 5°47          | 21°54          | 19°58          | 26°40          | 14° 3           | M 3  |
| T 4  | 2 51 23 | 11°10'50          | 10816           | 26°28          | 27°20           | 11°21          | 20°26           | 26°10         | 29° 2          | 28°57          | 5°47          | 21°46          | 19°55          | 26°47          | 14° 5           | T 4  |
| W 5  | 2 55 19 | 12°10'58          | 22° 9           | 26°D21         | 28°26           | 11°16          | 20°21           | 26° 5         | 29° 0          | 28°59          | 5°47          | 21°37          | 19°52          | 26°53          | 14° 8           | W 5  |
| T 6  | 2 59 16 | 13°11'08          | 4 <b>I</b> 1    | 26°26          | 29°32           | 11°12          | 20°16           | 26° 1         | 28°57          | 29° 1          | 5°47          | 21°27          | 19°49          | 27° 0          | 14°10           | T 6  |
| F 7  | 3 3 13  | 14°11'19          | 15°53           | 26°41          | 0 37            | 11° 9          | 20°11           | 25°56         | 28°55          | 29° 3          | 5°R47         | 21°16          | 19°45          | 27° 7          | 14°12           | F 7  |
| S 8  | 3 7 9   | 15°11'33          | 27°48           | 27° 6          | 1°43            | 11° 7          | 20° 6           | 25°51         | 28°52          | 29° 4          | 5°47          | 21° 6          | 19°42          | 27°13          | 14°14           | S 8  |
| S 9  | 3 11 6  | 16°11'48          | 9 <b>9</b> 47   | 27°40          | 2°48            | 11° 5          | 20° 0           | 25°46         | 28°50          | 29° 6          | 5°47          | 20°59          | 19°39          | 27°20          | 14°16           | S 9  |
| M10  | 3 15 2  | 17°12'05          | 21°55           | 28°23          | 3°52            | 11°D 5         | 19°54           | 25°42         | 28°48          | 29° 8          | 5°47          | 20°53          | 19°36          | 27°27          | 14°18           | M10  |
| T 11 | 3 18 59 | 18°12'25          | 4 <b>Ω</b> 14   | 29°13          | 4°57            | 11° 5          | 19°49           | 25°37         | 28°45          | 29° 9          | 5°47          | 20°50          | 19°33          | 27°34          | 14°20           | T 11 |
| W12  | 3 22 55 | 19°12'46          | 16°49           | OM 9           | 6° 1            | 11° 6          | 19°42           | 25°32         | 28°43          | 29°11          | 5°47          | 20°D48         | 19°29          | 27°40          | 14°21           | W12  |
| T 13 | 3 26 52 | 20°13'09          | 29°44           | 1°12           | 7° 5            | 11° 7          | 19°36           | 25°27         | 28°40          | 29°12          | 5°47          | 20°49          | 19°26          | 27°47          | 14°23           | T 13 |
| F 14 | 3 30 48 | 21°13'34          | 13 <b>m</b> ) 4 | 2°19           | 8° 9            | 11°10          | 19°30           | 25°22         | 28°38          | 29°14          | 5°47          | 20°49          | 19°23          | 27°54          | 14°24           | F 14 |
| S 15 | 3 34 45 | 22°14'01          | 26°51           | 3°31           | 9°13            | 11°13          | 19°24           | 25°17         | 28°35          | 29°15          | 5°46          | 20°R49         | 19°20          | 28° 0          | 14°26           | S 15 |
| S 16 | 3 38 42 | 23°14'30          | 11 <b>♀</b> 7   | 4°46           | 10°16           | 11°17          | 19°17           | 25°13         | 28°33          | 29°17          | 5°46          | 20°48          | 19°17          | 28° 7          | 14°27           | S 16 |
| M17  | 3 42 38 | 24°15'00          | 25°51           | 6° 4           | 11°19           | 11°22          | 19°10           | 25° 8         | 28°30          | 29°18          | 5°46          | 20°44          | 19°14          | 28°14          | 14°28           | M17  |
| T 18 | 3 46 35 | 25°15'33          | 10 <b>M</b> 56  | 7°26           | 12°21           | 11°27          | 19° 3           | 25° 3         | 28°28          | 29°20          | 5°46          | 20°37          | 19°10          | 28°21          | 14°29           | T 18 |
| W19  | 3 50 31 | 26°16'07          | 26°14           | 8°49           | 13°24           | 11°33          | 18°57           | 24°58         | 28°25          | 29°21          | 5°45          | 20°28          | 19° 7          | 28°27          | 14°30           | W19  |
| T 20 | 3 54 28 | 27°16'43          | 11 <b>×</b> 34  | 10°14          | 14°26           | 11°40          | 18°49           | 24°53         | 28°23          | 29°23          | 5°45          | 20°17          | 19° 4          | 28°34          | 14°31           | T 20 |
| F 21 | 3 58 24 | 28°17'20          | 26°45           | 11°41          | 15°28           | 11°48          | 18°42           | 24°48         | 28°20          | 29°24          | 5°45          | 20° 7          | 19° 1          | 28°41          | 14°32           | F 21 |
| S 22 | 4 2 21  | 29°17'58          | 11 <b>る</b> 37  | 13° 9          | 16°29           | 11°57          | 18°35           | 24°43         | 28°18          | 29°25          | 5°44          | 19°58          | 18°58          | 28°47          | 14°32           | S 22 |
| S 23 | 4 6 17  | 0 <b>₮</b> 18'38  | 26° 1           | 14°38          | 17°30           | 12° 6          | 18°28           | 24°38         | 28°15          | 29°27          | 5°44          | 19°51          | 18°54          | 28°54          | 14°33           | S 23 |
| M24  | 4 10 14 | 1°19'19           | 9≈57            | 16° 8          | 18°31           | 12°15          | 18°20           | 24°34         | 28°13          | 29°28          | 5°43          | 19°47          | 18°51          | 29° 1          | 14°33           | M24  |
| T 25 | 4 14 11 | 2°20'00           | 23°23           | 17°39          | 19°31           | 12°26          | 18°13           | 24°29         | 28°10          | 29°29          | 5°43          | 19°45          | 18°48          | 29° 8          | 14°34           | T 25 |
| W26  | 4 18 7  | 3°20'43           | 6 <b>∺</b> 22   | 19°11          | 20°31           | 12°37          | 18° 5           | 24°24         | 28° 8          | 29°30          | 5°42          | 19°D45         | 18°45          | 29°14          | 14°34           | W26  |
| T 27 | 4 22 4  | 4°21'27           | 18°59           | 20°42          | 21°30           | 12°49          | 17°57           | 24°19         | 28° 5          | 29°31          | 5°42          | 19°R45         | 18°42          | 29°21          | 14°R34          | T 27 |
| F 28 | 4 26 0  | 5°22'12           | 1 <b>Y</b> 18   | 22°15          | 22°29           | 13° 1          | 17°49           | 24°14         | 28° 3          | 29°33          | 5°41          | 19°45          | 18°39          | 29°28          | 14°34           | F 28 |
| S 29 | 4 29 57 | 6°22'57           | 13°25           | 23°47          | 23°27           | 13°14          | 17°41           | 24°10         | 28° 0          | 29°34          | 5°41          | 19°42          | 18°35          | 29°34          | 14°34           | S 29 |
| S 30 | 4 33 53 | 7 <b>×7</b> 23'44 | 25 <b>Y</b> 23  | 25 <b>M</b> 20 | 24 <b>පි</b> 25 | 13 <b>Y</b> 28 | 17 <b>Ⅲ</b> 34  | 24 <b>8</b> 5 | 27 <b>8</b> 58 | 29 <b>m</b> 35 | 5 <b>Ω</b> 40 | 19 <b>m</b> 37 | 18 <b>m</b> 32 | 29 <b>8</b> 41 | 14 <b>\O</b> 34 | S 30 |

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DECEMBER 1941 00:00 UT

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|------|---------|-------------------|-----------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|---------------|-----------------|-----------------|----------------|----------------|------|
| M 1  | 4 37 50 | 8 <b>₹</b> ¹24'32 | 7 <b>8</b> 16   | 26M53          | 25 <b>る</b> 23 | 13 <b>Y</b> 42 | 17°R26         | 24°R 0        | 27°R55         | 29 <b>m</b> 36 | 5°R40         | 19°R29          | 18 <b>m</b> /29 | 29 <b>8</b> 48 | 14°R33         | M 1  |
| T 2  | 4 41 46 | 9°25'21           | 19° 8           | 28°26          | 26°20          | 13°57          | 17 <b>Ⅱ</b> 18 | 23856         | 27 <b>8</b> 53 | 29°37          | 5 <b>Ω</b> 39 | 19 <b>m</b> )19 | 18°26           | 29°55          | 14€33          | T 2  |
| W 3  | 4 45 43 | 10°26'11          | 0 <b>耳</b> 59   | 29°59          | 27°16          | 14°12          | 17°10          | 23°51         | 27°50          | 29°38          | 5°38          | 19° 5           | 18°23           | 0耳 1           | 14°32          | W 3  |
| T 4  | 4 49 40 | 11°27'02          | 12°53           | 1 <b>₹</b> 33  | 28°12          | 14°28          | 17° 1          | 23°47         | 27°48          | 29°39          | 5°38          | 18°51           | 18°20           | 0° 8           | 14°32          | T 4  |
| F 5  | 4 53 36 | 12°27'55          | 24°49           | 3° 6           | 29° 7          | 14°45          | 16°53          | 23°42         | 27°46          | 29°40          | 5°37          | 18°36           | 18°16           | 0°15           | 14°31          | F 5  |
| S 6  | 4 57 33 | 13°28'48          | 6950            | 4°39           | 0≈ 2           | 15° 2          | 16°45          | 23°38         | 27°43          | 29°41          | 5°36          | 18°22           | 18°13           | 0°21           | 14°30          | S 6  |
| S 7  | 5 1 29  | 14°29'43          | 18°57           | 6°13           | 0°56           | 15°19          | 16°37          | 23°33         | 27°41          | 29°42          | 5°35          | 18°10           | 18°10           | 0°28           | 14°29          | S 7  |
| M 8  | 5 5 26  | 15°30'38          | 1 <b>Ω</b> 10   | 7°46           | 1°50           | 15°37          | 16°29          | 23°29         | 27°38          | 29°43          | 5°35          | 18° 1           | 18° 7           | 0°35           | 14°28          | M 8  |
| T 9  | 5 9 22  | 16°31'35          | 13°34           | 9°20           | 2°42           | 15°55          | 16°21          | 23°24         | 27°36          | 29°43          | 5°34          | 17°55           | 18° 4           | 0°42           | 14°27          | T 9  |
| W10  | 5 13 19 | 17°32'33          | 26°10           | 10°54          | 3°34           | 16°14          | 16°12          | 23°20         | 27°34          | 29°44          | 5°33          | 17°51           | 18° 0           | 0°48           | 14°26          | W10  |
| T 11 | 5 17 15 | 18°33'32          | 9 <b>m</b> ) 2  | 12°27          | 4°26           | 16°34          | 16° 4          | 23°16         | 27°31          | 29°45          | 5°32          | 17°50           | 17°57           | 0°55           | 14°24          | T 11 |
| F 12 | 5 21 12 | 19°34'32          | 22°15           | 14° 1          | 5°16           | 16°53          | 15°56          | 23°12         | 27°29          | 29°46          | 5°31          | 17°50           | 17°54           | 1° 2           | 14°23          | F 12 |
| S 13 | 5 25 9  | 20°35'33          | 5 <b>≏</b> 51   | 15°35          | 6° 6           | 17°14          | 15°48          | 23° 8         | 27°27          | 29°46          | 5°30          | 17°50           | 17°51           | 1° 8           | 14°21          | S 13 |
| S 14 | 5 29 5  | 21°36'35          | 19°53           | 17° 9          | 6°55           | 17°34          | 15°40          | 23° 4         | 27°25          | 29°47          | 5°30          | 17°48           | 17°48           | 1°15           | 14°20          | S 14 |
| M15  | 5 33 2  | 22°37'39          | 4 <b>M</b> 21   | 18°43          | 7°43           | 17°55          | 15°32          | 23° 0         | 27°22          | 29°48          | 5°29          | 17°43           | 17°45           | 1°22           | 14°18          | M15  |
| T 16 | 5 36 58 | 23°38'43          | 19°12           | 20°17          | 8°30           | 18°17          | 15°24          | 22°56         | 27°20          | 29°48          | 5°28          | 17°36           | 17°41           | 1°29           | 14°16          | T 16 |
| W17  | 5 40 55 | 24°39'48          | 4 <b>₹</b> 20   | 21°51          | 9°16           | 18°39          | 15°16          | 22°52         | 27°18          | 29°49          | 5°27          | 17°26           | 17°38           | 1°35           | 14°14          | W17  |
| T 18 | 5 44 51 | 25°40'54          | 19°35           | 23°26          | 10° 2          | 19° 1          | 15° 8          | 22°49         | 27°16          | 29°49          | 5°26          | 17°14           | 17°35           | 1°42           | 14°12          | T 18 |
| F 19 | 5 48 48 | 26°42'01          | 4 <b>⋜</b> 46   | 25° 0          | 10°46          | 19°24          | 15° 0          | 22°45         | 27°14          | 29°50          | 5°25          | 17° 2           | 17°32           | 1°49           | 14°10          | F 19 |
| S 20 | 5 52 45 | 27°43'08          | 19°43           | 26°35          | 11°29          | 19°47          | 14°52          | 22°41         | 27°12          | 29°50          | 5°24          | 16°52           | 17°29           | 1°55           | 14° 8          | S 20 |
| S 21 | 5 56 41 | 28°44'16          | 4≈16            | 28°10          | 12°11          | 20°10          | 14°44          | 22°38         | 27°10          | 29°51          | 5°23          | 16°44           | 17°26           | 2° 2           | 14° 5          | S 21 |
| M22  | 6 0 38  | 29°45'24          | 18°21           | 29°45          | 12°52          | 20°34          | 14°37          | 22°35         | 27° 8          | 29°51          | 5°22          | 16°38           | 17°22           | 2° 9           | 14° 3          | M22  |
| T 23 | 6 4 34  | 0 <b>ප්</b> 46'31 | 1 <b>) (</b> 55 | 1 <b>る</b> 20  | 13°32          | 20°58          | 14°29          | 22°31         | 27° 6          | 29°51          | 5°21          | 16°35           | 17°19           | 2°16           | 14° 0          | T 23 |
| W24  | 6 8 3 1 | 1°47'40           | 15° 2           | 2°55           | 14°11          | 21°23          | 14°22          | 22°28         | 27° 4          | 29°52          | 5°19          | 16°D35          | 17°16           | 2°22           | 13°58          | W24  |
| T 25 | 6 12 27 | 2°48'48           | 27°43           | 4°31           | 14°48          | 21°48          | 14°14          | 22°25         | 27° 2          | 29°52          | 5°18          | 16°R35          | 17°13           | 2°29           | 13°55          | T 25 |
| F 26 | 6 16 24 | 3°49'56           | 10 <b>Y</b> 4   | 6° 7           | 15°24          | 22°13          | 14° 7          | 22°22         | 27° 0          | 29°52          | 5°17          | 16°35           | 17°10           | 2°36           | 13°52          | F 26 |
| S 27 | 6 20 20 | 4°51'04           | 22°10           | 7°43           | 15°59          | 22°39          | 14° 0          | 22°19         | 26°58          | 29°52          | 5°16          | 16°33           | 17° 6           | 2°42           | 13°50          | S 27 |
| S 28 | 6 24 17 | 5°52'12           | 4 <b>8</b> 6    | 9°19           | 16°32          | 23° 4          | 13°53          | 22°16         | 26°56          | 29°52          | 5°15          | 16°29           | 17° 3           | 2°49           | 13°47          | S 28 |
| M29  | 6 28 14 | 6°53'21           | 15°58           | 10°56          | 17° 3          | 23°30          | 13°46          | 22°13         | 26°55          | 29°53          | 5°14          | 16°23           | 17° 0           | 2°56           | 13°44          | M29  |
| T 30 | 6 32 10 | 7°54'29           | 27°48           | 12°33          | 17°33          | 23°57          | 13°39          | 22°11         | 26°53          | 29°53          | 5°13          | 16°14           | 16°57           | 3° 3           | 13°40          | T 30 |
| W31  | 6 36 7  | 8 <b>궁</b> 55'37  | 9 <b>Ⅱ</b> 41   | 14 <b>궁</b> 10 | 18 <b>≈</b> 2  | 24 <b>Y</b> 23 | 13 <b>Ⅱ</b> 32 | 22 <b>8</b> 8 | 26 <b>8</b> 51 | 29 <b>m</b> 53 | 5 <b>Ω</b> 11 | 16Mp 2          | 16 <b>M</b> 54  | 3 <b>I</b> 9   | 13 <b>£</b> 37 | W31  |

Delta T = 25.30 sec

JANUARY 1942 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ              | φ      | ð              | 4               | ħ      | )∤(            | ¥              | Р             | n               | Ω              | Ç             | ķ              | Day  |
|------|---------|------------------|----------------|----------------|--------|----------------|-----------------|--------|----------------|----------------|---------------|-----------------|----------------|---------------|----------------|------|
| T 1  | 6 40 3  | 9 <b>ප</b> 56'46 | 21 <b>川</b> 38 | 15 <b>云</b> 48 | 18≈28  | 24 <b>Υ</b> 50 | 13°R26          | 22°R 6 | 26°R50         | 29°R53         | 5°R10         | 15°R50          | 16 <b>m</b> 51 | 3 <b>Ц</b> 16 | 13°R34         | T 1  |
| F 2  | 6 44 0  | 10°57'54         | 39541          | 17°26          | 18°53  | 25°17          | 13 <b>Ⅱ</b> 19  | 228 3  | 26 <b>8</b> 48 | 29 <b>m</b> 53 | 5 <b>Ω</b> 9  | 15 <b>m</b> )36 | 16°47          | 3°23          | 13 <b>Ω</b> 31 | F 2  |
| S 3  | 6 47 56 | 11°59'02         | 15°52          | 19° 4          | 19°16  | 25°45          | 13°13           | 22° 1  | 26°46          | 29°53          | 5° 8          | 15°24           | 16°44          | 3°30          | 13°27          | S 3  |
| S 4  | 6 51 53 | 13° 0'10         | 28°10          | 20°42          | 19°37  | 26°13          | 13° 7           | 21°59  | 26°45          | 29°53          | 5° 7          | 15°14           | 16°41          | 3°36          | 13°24          | S 4  |
| M 5  | 6 55 49 | 14° 1'19         | 10 <b>Ω</b> 38 | 22°21          | 19°56  | 26°40          | 13° 1           | 21°57  | 26°43          | 29°53          | 5° 5          | 15° 6           | 16°38          | 3°43          | 13°20          | M 5  |
| T 6  | 6 59 46 | 15° 2'27         | 23°15          | 24° 0          | 20°13  | 27° 9          | 12°55           | 21°55  | 26°42          | 29°52          | 5° 4          | 15° 1           | 16°35          | 3°50          | 13°17          | T 6  |
| W 7  | 7 3 43  | 16° 3'35         | 6Mp 3          | 25°38          | 20°28  | 27°37          | 12°49           | 21°53  | 26°41          | 29°52          | 5° 3          | 14°58           | 16°32          | 3°56          | 13°13          | W 7  |
| T 8  | 7 7 39  | 17° 4'44         | 19° 4          | 27°17          | 20°41  | 28° 6          | 12°44           | 21°51  | 26°39          | 29°52          | 5° 2          | 14°D58          | 16°28          | 4° 3          | 13° 9          | T 8  |
| F 9  | 7 11 36 | 18° 5'52         | 2 <b>≏</b> 20  | 28°56          | 20°52  | 28°34          | 12°38           | 21°50  | 26°38          | 29°52          | 5° 0          | 14°59           | 16°25          | 4°10          | 13° 6          | F 9  |
| S 10 | 7 15 32 | 19° 7'01         | 15°54          | 0≈35           | 21° 0  | 29° 3          | 12°33           | 21°48  | 26°37          | 29°51          | 4°59          | 15°R 0          | 16°22          | 4°17          | 13° 2          | S 10 |
| S 11 | 7 19 29 | 20° 8'09         | 29°46          | 2°14           | 21° 6  | 29°33          | 12°28           | 21°47  | 26°35          | 29°51          | 4°58          | 14°59           | 16°19          | 4°23          | 12°58          | S 11 |
| M12  | 7 23 25 | 21° 9'18         | 13 <b>M</b> 58 | 3°53           | 21°10  | 0 <b>8</b> 2   | 12°23           | 21°45  | 26°34          | 29°51          | 4°56          | 14°57           | 16°16          | 4°30          | 12°54          | M12  |
| T 13 | 7 27 22 | 22°10'26         | 28°28          | 5°31           | 21°R11 | 0°32           | 12°18           | 21°44  | 26°33          | 29°50          | 4°55          | 14°52           | 16°12          | 4°37          | 12°50          | T 13 |
| W14  | 7 31 18 | 23°11'35         | 13 <b>×</b> 12 | 7° 9           | 21°10  | 1° 2           | 12°14           | 21°43  | 26°32          | 29°50          | 4°54          | 14°46           | 16° 9          | 4°43          | 12°46          | W14  |
| T 15 | 7 35 15 | 24°12'43         | 28° 4          | 8°46           | 21° 6  | 1°32           | 12° 9           | 21°42  | 26°31          | 29°50          | 4°52          | 14°38           | 16° 6          | 4°50          | 12°42          | T 15 |
| F 16 | 7 39 12 | 25°13'51         | 12 <b>る</b> 56 | 10°21          | 21° 0  | 2° 2           | 12° 5           | 21°41  | 26°30          | 29°49          | 4°51          | 14°29           | 16° 3          | 4°57          | 12°37          | F 16 |
| S 17 | 7 43 8  | 26°14'58         | 27°39          | 11°56          | 20°52  | 2°32           | 12° 1           | 21°40  | 26°29          | 29°49          | 4°50          | 14°22           | 16° 0          | 5° 4          | 12°33          | S 17 |
| S 18 | 7 47 5  | 27°16'05         | 12 <b>≈</b> 5  | 13°29          | 20°41  | 3° 3           | 11°57           | 21°40  | 26°28          | 29°48          | 4°48          | 14°16           | 15°57          | 5°10          | 12°29          | S 18 |
| M19  | 7 51 1  | 28°17'12         | 26° 9          | 15° 0          | 20°27  | 3°34           | 11°54           | 21°39  | 26°27          | 29°48          | 4°47          | 14°12           | 15°53          | 5°17          | 12°25          | M19  |
| T 20 | 7 54 58 | 29°18'17         | 9 <b>){</b> 46 | 16°28          | 20°11  | 4° 4           | 11°50           | 21°39  | 26°27          | 29°47          | 4°46          | 14°D11          | 15°50          | 5°24          | 12°20          | T 20 |
| W21  | 7 58 54 | 0≈19'22          | 22°57          | 17°53          | 19°52  | 4°36           | 11°47           | 21°38  | 26°26          | 29°46          | 4°44          | 14°11           | 15°47          | 5°31          | 12°16          | W21  |
| T 22 | 8 2 51  | 1°20'25          | 5 <b>Ƴ</b> 44  | 19°15          | 19°31  | 5° 7           | 11°44           | 21°38  | 26°25          | 29°46          | 4°43          | 14°12           | 15°44          | 5°37          | 12°12          | T 22 |
| F 23 | 8 6 47  | 2°21'28          | 18°11          | 20°33          | 19°8   | 5°38           | 11°41           | 21°D38 | 26°24          | 29°45          | 4°41          | 14°14           | 15°41          | 5°44          | 12° 7          | F 23 |
| S 24 | 8 10 44 | 3°22'30          | 0821           | 21°46          | 18°43  | 6°10           | 11°39           | 21°38  | 26°24          | 29°44          | 4°40          | 14°R15          | 15°38          | 5°51          | 12° 3          | S 24 |
| S 25 | 8 14 41 | 4°23'30          | 12°20          | 22°53          | 18°15  | 6°41           | 11°36           | 21°38  | 26°23          | 29°43          | 4°39          | 14°14           | 15°34          | 5°57          | 11°58          | S 25 |
| M26  | 8 18 37 | 5°24'30          | 24°12          | 23°54          | 17°46  | 7°13           | 11°34           | 21°38  | 26°23          | 29°43          | 4°37          | 14°12           | 15°31          | 6° 4          | 11°54          | M26  |
| T 27 | 8 22 34 | 6°25'28          | 6 <b>I</b> I 4 | 24°48          | 17°15  | 7°45           | 11°32           | 21°39  | 26°22          | 29°42          | 4°36          | 14° 9           | 15°28          | 6°11          | 11°49          | T 27 |
| W28  | 8 26 30 | 7°26'26          | 17°58          | 25°34          | 16°42  | 8°17           | 11°30           | 21°39  | 26°22          | 29°41          | 4°35          | 14° 3           | 15°25          | 6°18          | 11°45          | W28  |
| T 29 | 8 30 27 | 8°27'22          | 29°58          | 26°11          | 16° 8  | 8°50           | 11°29           | 21°40  | 26°22          | 29°40          | 4°33          | 13°57           | 15°22          | 6°24          | 11°40          | T 29 |
| F 30 | 8 34 23 | 9°28'17          | 1295 8         | 26°38          | 15°33  | 9°22           | 11°27           | 21°41  | 26°22          | 29°39          | 4°32          | 13°50           | 15°18          | 6°31          | 11°36          | F 30 |
| S 31 | 8 38 20 | 10≈29'11         | 249529         | 26≈55          | 14≈57  | 9 <b>8</b> 54  | 11 <b>II</b> 26 | 21841  | 26821          | 29 <b>m</b> 38 | 4 <b>Ω</b> 31 | 13 <b>m</b> 44  | 15 <b>m</b> 15 | 6 <b>Ⅱ</b> 38 | 11 <b>0</b> 31 | S 31 |

Delta T = 25.35 sec

FEBRUARY 1942 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ             | φ              | ♂ <sup>™</sup> | 4              | ħ     | )f(            | ¥              | Р             | ₽.             | သ              | Ç             | ę,             | Day  |
|------|----------|------------------|-----------------|---------------|----------------|----------------|----------------|-------|----------------|----------------|---------------|----------------|----------------|---------------|----------------|------|
| S 1  | 8 42 16  | 11≈30'04         | 7 <b>Ω</b> 1    | 27°R 1        | 14°R20         | 10827          | 11°R25         | 21842 | 26°R21         | 29°R37         | 4°R29         | 13°R39         | 15 Mp 12       | 6 <b>Ⅱ</b> 44 | 11°R27         | S 1  |
| M 2  | 8 46 13  | 12°30'56         | 19°47           | 26≈56         | 13 <b>≈</b> 43 | 11° 0          | 11 <b>Ⅱ</b> 24 | 21°43 | 26 <b>8</b> 21 | 29 <b>m</b> 36 | $4\Omega$ 28  | 13 <b>m</b> 35 | 15° 9          | 6°51          | 11 <b>Ω</b> 22 | M 2  |
| T 3  | 8 50 10  | 13°31'47         | 2 Mp 44         | 26°40         | 13° 5          | 11°33          | 11°24          | 21°45 | 26°21          | 29°35          | 4°26          | 13°33          | 15° 6          | 6°58          | 11°18          | T 3  |
| W 4  | 8 54 6   | 14°32'37         | 15°54           | 26°12         | 12°28          | 12° 5          | 11°23          | 21°46 | 26°D21         | 29°34          | 4°25          | 13°D33         | 15° 3          | 7° 5          | 11°13          | W 4  |
| T 5  | 8 58 3   | 15°33'25         | 29°16           | 25°35         | 11°51          | 12°38          | 11°D23         | 21°47 | 26°21          | 29°33          | 4°24          | 13°33          | 14°59          | 7°11          | 11° 9          | T 5  |
| F 6  | 9 1 59   | 16°34'13         | 12 <b>≏</b> 50  | 24°48         | 11°15          | 13°12          | 11°23          | 21°49 | 26°21          | 29°32          | 4°22          | 13°35          | 14°56          | 7°18          | 11° 4          | F 6  |
| S 7  | 9 5 56   | 17°35'00         | 26°35           | 23°52         | 10°40          | 13°45          | 11°23          | 21°50 | 26°21          | 29°31          | 4°21          | 13°36          | 14°53          | 7°25          | 11° 0          | S 7  |
| S 8  | 9 9 52   | 18°35'46         | 10 <b>ML</b> 30 | 22°50         | 10° 6          | 14°18          | 11°24          | 21°52 | 26°21          | 29°30          | 4°20          | 13°37          | 14°50          | 7°32          | 10°55          | S 8  |
| M 9  | 9 13 49  | 19°36'30         | 24°36           | 21°44         | 9°33           | 14°52          | 11°24          | 21°54 | 26°22          | 29°29          | 4°18          | 13°R38         | 14°47          | 7°38          | 10°51          | M 9  |
| T 10 | 9 17 45  | 20°37'14         | 8 <b>×</b> 751  | 20°34         | 9° 2           | 15°25          | 11°25          | 21°56 | 26°22          | 29°27          | 4°17          | 13°37          | 14°44          | 7°45          | 10°46          | T 10 |
| W11  | 9 21 42  | 21°37'57         | 23°13           | 19°23         | 8°32           | 15°59          | 11°26          | 21°58 | 26°22          | 29°26          | 4°16          | 13°35          | 14°40          | 7°52          | 10°42          | W11  |
| T 12 | 9 25 39  | 22°38'39         | 7 <b>궁</b> 37   | 18°12         | 8° 5           | 16°32          | 11°28          | 22° 0 | 26°23          | 29°25          | 4°15          | 13°32          | 14°37          | 7°58          | 10°37          | T 12 |
| F 13 | 9 29 35  | 23°39'20         | 21°59           | 17° 5         | 7°39           | 17° 6          | 11°29          | 22° 2 | 26°23          | 29°24          | 4°13          | 13°29          | 14°34          | 8° 5          | 10°33          | F 13 |
| S 14 | 9 33 32  | 24°40'00         | 6≈15            | 16° 2         | 7°16           | 17°40          | 11°31          | 22° 4 | 26°24          | 29°23          | 4°12          | 13°26          | 14°31          | 8°12          | 10°28          | S 14 |
| S 15 | 9 37 28  | 25°40'38         | 20°18           | 15° 4         | 6°54           | 18°14          | 11°32          | 22° 7 | 26°24          | 29°21          | 4°11          | 13°24          | 14°28          | 8°19          | 10°24          | S 15 |
| M16  | 9 41 25  | 26°41'14         | 4 <b>)</b> € 5  | 14°12         | 6°35           | 18°48          | 11°34          | 22° 9 | 26°25          | 29°20          | 4°10          | 13°23          | 14°24          | 8°25          | 10°20          | M16  |
| T 17 | 9 45 21  | 27°41'49         | 17°33           | 13°28         | 6°19           | 19°22          | 11°37          | 22°12 | 26°26          | 29°19          | 4° 8          | 13°D23         | 14°21          | 8°32          | 10°16          | T 17 |
| W18  | 9 49 18  | 28°42'23         | 0 <b>Υ</b> 40   | 12°50         | 6° 5           | 19°57          | 11°39          | 22°15 | 26°26          | 29°17          | 4° 7          | 13°24          | 14°18          | 8°39          | 10°11          | W18  |
| T 19 | 9 53 14  | 29°42'54         | 13°27           | 12°21         | 5°53           | 20°31          | 11°42          | 22°18 | 26°27          | 29°16          | 4° 6          | 13°25          | 14°15          | 8°45          | 10° 7          | T 19 |
| F 20 | 9 57 11  | 0 <b>)</b> 43′24 | 25°55           | 11°59         | 5°44           | 21° 5          | 11°45          | 22°21 | 26°28          | 29°14          | 4° 5          | 13°26          | 14°12          | 8°52          | 10° 3          | F 20 |
| S 21 | 10 1 7   | 1°43'53          | 8 <b>8</b> 9    | 11°45         | 5°37           | 21°40          | 11°48          | 22°24 | 26°29          | 29°13          | 4° 3          | 13°27          | 14° 9          | 8°59          | 9°59           | S 21 |
| S 22 | 10 5 4   | 2°44'19          | 20°10           | 11°38         | 5°33           | 22°14          | 11°51          | 22°27 | 26°30          | 29°12          | 4° 2          | 13°28          | 14° 5          | 9° 6          | 9°55           | S 22 |
| M23  | 10 9 1   | 3°44'43          | 2 <b>II</b> 5   | 11°D38        | 5°D31          | 22°49          | 11°54          | 22°30 | 26°31          | 29°10          | 4° 1          | 13°R28         | 14° 2          | 9°12          | 9°51           | M23  |
| T 24 | 10 12 57 | 4°45'06          | 13°58           | 11°44         | 5°32           | 23°23          | 11°58          | 22°34 | 26°32          | 29° 9          | 4° 0          | 13°28          | 13°59          | 9°19          | 9°47           | T 24 |
| W25  | 10 16 54 | 5°45'27          | 25°53           | 11°57         | 5°35           | 23°58          | 12° 1          | 22°37 | 26°33          | 29° 7          | 3°59          | 13°28          | 13°56          | 9°26          | 9°43           | W25  |
| T 26 | 10 20 50 | 6°45'45          | 7 <b>9</b> 54   | 12°16         | 5°40           | 24°33          | 12° 5          | 22°41 | 26°34          | 29° 6          | 3°58          | 13°27          | 13°53          | 9°33          | 9°39           | T 26 |
| F 27 | 10 24 47 | 7°46'02          | 20° 7           | 12°40         | 5°48           | 25° 8          | 12°10          | 22°44 | 26°35          | 29° 4          | 3°57          | 13°26          | 13°49          | 9°39          | 9°36           | F 27 |
| S 28 | 10 28 43 | 8 <b>¥</b> 46'17 | 2 <b>Ω</b> 34   | 13 <b>≈</b> 9 | 5≈58           | 25 <b>8</b> 43 | 12 <b>Ⅱ</b> 14 | 22848 | 26 <b>8</b> 37 | 29 <b>m</b> 3  | 3 <b>Ω</b> 55 | 13 <b>m</b> 25 | 13 <b>M</b> 46 | 9∏46          | 9 <b>£</b> 32  | S 28 |

Delta T = 25.39 sec

MARCH 1942 00:00 UT

| Day  | Sid.t    | 0                 | D                | ğ              | φ     | ď              | 4              | ħ              | )ұ(            | ¥              | Р             | ₽.             | v              | ţ              | ٨٥            | Day  |
|------|----------|-------------------|------------------|----------------|-------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|---------------|------|
| S 1  | 10 32 40 | 9 <b>)</b> (46'30 | 15 <b>Ω</b> 17   | 13≈43          | 6≈10  | 26 <b>8</b> 18 | 12∏18          | 22 <b>8</b> 52 | 26 <b>8</b> 38 | 29°R 1         | 3°R54         | 13°R25         | 13 <b>m</b> 43 | 9Д53           | 9°R28         | S 1  |
| M 2  | 10 36 36 | 10°46'41          | 28°18            | 14°21          | 6°24  | 26°52          | 12°23          | 22°56          | 26°39          | 29M) 0         | $3\Omega$ 53  | 13 <b>m</b> 25 | 13°40          | 9°59           | $9\Omega 25$  | M 2  |
| T 3  | 10 40 33 | 11°46'50          | 11 <b>m</b> )37  | 15° 3          | 6°40  | 27°28          | 12°28          | 23° 0          | 26°41          | 28°58          | 3°52          | 13°D24         | 13°37          | 10° 6          | 9°21          | T 3  |
| W 4  | 10 44 30 | 12°46'57          | 25°12            | 15°49          | 6°58  | 28° 3          | 12°33          | 23° 4          | 26°42          | 28°56          | 3°51          | 13°24          | 13°34          | 10°13          | 9°18          | W 4  |
| T 5  | 10 48 26 | 13°47'02          | 9 <b>≏</b> 1     | 16°39          | 7°18  | 28°38          | 12°38          | 23° 8          | 26°44          | 28°55          | 3°50          | 13°R24         | 13°30          | 10°20          | 9°14          | T 5  |
| F 6  | 10 52 23 | 14°47'06          | 23° 2            | 17°32          | 7°40  | 29°13          | 12°43          | 23°13          | 26°45          | 28°53          | 3°49          | 13°24          | 13°27          | 10°26          | 9°11          | F 6  |
| S 7  | 10 56 19 | 15°47'08          | 7 <b>M</b> ₊11   | 18°28          | 8° 4  | 29°48          | 12°49          | 23°17          | 26°47          | 28°52          | 3°48          | 13°24          | 13°24          | 10°33          | 9° 8          | S 7  |
| S 8  | 11 0 16  | 16°47'09          | 21°25            | 19°27          | 8°29  | 0 <b>П</b> 23  | 12°55          | 23°21          | 26°48          | 28°50          | 3°47          | 13°24          | 13°21          | 10°40          | 9° 5          | S 8  |
| M 9  | 11 4 12  | 17°47'08          | 5 <b>₹</b> 40    | 20°28          | 8°57  | 0°59           | 13° 0          | 23°26          | 26°50          | 28°48          | 3°46          | 13°24          | 13°18          | 10°46          | 9° 2          | M 9  |
| T 10 | 11 8 9   | 18°47'05          | 19°53            | 21°32          | 9°26  | 1°34           | 13° 6          | 23°31          | 26°52          | 28°47          | 3°45          | 13°D24         | 13°15          | 10°53          | 8°59          | T 10 |
| W11  | 11 12 5  | 19°47'01          | 4 <b>궁</b> 2     | 22°38          | 9°56  | 2°10           | 13°13          | 23°35          | 26°54          | 28°45          | 3°45          | 13°24          | 13°11          | 11° 0          | 8°56          | W11  |
| T 12 | 11 16 2  | 20°46'55          | 18° 6            | 23°47          | 10°28 | 2°45           | 13°19          | 23°40          | 26°55          | 28°43          | 3°44          | 13°24          | 13° 8          | 11° 7          | 8°53          | T 12 |
| F 13 | 11 19 59 | 21°46'48          | 2≈ 1             | 24°58          | 11° 1 | 3°20           | 13°25          | 23°45          | 26°57          | 28°42          | 3°43          | 13°25          | 13° 5          | 11°13          | 8°50          | F 13 |
| S 14 | 11 23 55 | 22°46'39          | 15°47            | 26°10          | 11°36 | 3°56           | 13°32          | 23°50          | 26°59          | 28°40          | 3°42          | 13°26          | 13° 2          | 11°20          | 8°48          | S 14 |
| S 15 | 11 27 52 | 23°46'28          | 29°21            | 27°25          | 12°12 | 4°32           | 13°39          | 23°55          | 27° 1          | 28°39          | 3°41          | 13°26          | 12°59          | 11°27          | 8°45          | S 15 |
| M16  | 11 31 48 | 24°46'15          | 12 <b>) (</b> 43 | 28°41          | 12°49 | 5° 7           | 13°46          | 24° 0          | 27° 3          | 28°37          | 3°40          | 13°R27         | 12°55          | 11°34          | 8°43          | M16  |
| T 17 | 11 35 45 | 25°46'00          | 25°51            | 29°59          | 13°28 | 5°43           | 13°53          | 24° 5          | 27° 5          | 28°35          | 3°40          | 13°26          | 12°52          | 11°40          | 8°40          | T 17 |
| W18  | 11 39 41 | 26°45'43          | 8 <b>Ƴ</b> 44    | 1 <b>米</b> 19  | 14° 7 | 6°19           | 14° 0          | 24°11          | 27° 7          | 28°34          | 3°39          | 13°25          | 12°49          | 11°47          | 8°38          | W18  |
| T 19 | 11 43 38 | 27°45'24          | 21°22            | 2°41           | 14°48 | 6°54           | 14° 7          | 24°16          | 27° 9          | 28°32          | 3°38          | 13°24          | 12°46          | 11°54          | 8°36          | T 19 |
| F 20 | 11 47 34 | 28°45'03          | 3 <b>8</b> 47    | 4° 4           | 15°30 | 7°30           | 14°15          | 24°22          | 27°11          | 28°30          | 3°38          | 13°22          | 12°43          | 12° 0          | 8°34          | F 20 |
| S 21 | 11 51 31 | 29°44'40          | 15°59            | 5°28           | 16°13 | 8° 6           | 14°23          | 24°27          | 27°14          | 28°29          | 3°37          | 13°19          | 12°40          | 12° 7          | 8°32          | S 21 |
| S 22 | 11 55 28 | 0 <b>Υ</b> 44'15  | 28° 0            | 6°54           | 16°56 | 8°42           | 14°30          | 24°33          | 27°16          | 28°27          | 3°36          | 13°17          | 12°36          | 12°14          | 8°30          | S 22 |
| M23  | 11 59 24 | 1°43'47           | 9耳56             | 8°22           | 17°41 | 9°18           | 14°38          | 24°38          | 27°18          | 28°25          | 3°36          | 13°15          | 12°33          | 12°21          | 8°28          | M23  |
| T 24 | 12 3 21  | 2°43'17           | 21°48            | 9°51           | 18°27 | 9°53           | 14°47          | 24°44          | 27°20          | 28°24          | 3°35          | 13°13          | 12°30          | 12°27          | 8°26          | T 24 |
| W25  | 12 7 17  | 3°42'45           | 3 <b>95</b> 42   | 11°21          | 19°13 | 10°29          | 14°55          | 24°50          | 27°23          | 28°22          | 3°34          | 13°D13         | 12°27          | 12°34          | 8°25          | W25  |
| T 26 | 12 11 14 | 4°42'11           | 15°43            | 12°53          | 20° 1 | 11° 5          | 15° 3          | 24°56          | 27°25          | 28°20          | 3°34          | 13°13          | 12°24          | 12°41          | 8°23          | T 26 |
| F 27 | 12 15 10 | 5°41'34           | 27°54            | 14°27          | 20°49 | 11°41          | 15°12          | 25° 2          | 27°28          | 28°19          | 3°33          | 13°14          | 12°21          | 12°47          | 8°22          | F 27 |
| S 28 | 12 19 7  | 6°40'55           | $10\Omega 22$    | 16° 1          | 21°38 | 12°17          | 15°20          | 25° 7          | 27°30          | 28°17          | 3°33          | 13°16          | 12°17          | 12°54          | 8°20          | S 28 |
| S 29 | 12 23 3  | 7°40'14           | 23° 8            | 17°37          | 22°28 | 12°53          | 15°29          | 25°14          | 27°33          | 28°15          | 3°32          | 13°18          | 12°14          | 13° 1          | 8°19          | S 29 |
| M30  | 12 27 0  | 8°39'30           | 6 <b>M</b> p17   | 19°15          | 23°18 | 13°29          | 15°38          | 25°20          | 27°35          | 28°14          | 3°32          | 13°19          | 12°11          | 13° 8          | 8°18          | M30  |
| T 31 | 12 30 56 | 9 <b>Ƴ</b> 38'45  | 19 <b>m</b> 50   | 20 <b>米</b> 53 | 24≈ 9 | 14 <b>II</b> 5 | 15 <b>Ⅲ</b> 47 | 25 <b>8</b> 26 | 27 <b>8</b> 38 | 28 <b>m</b> 12 | 3 <b>Ω</b> 31 | 13°R19         | 12 <b>m</b> 8  | 13 <b>Ⅱ</b> 14 | 8 <b>Ω</b> 17 | T 31 |

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| Day  | Sid.t    | 0                 | D              | ğ              | ·              | ď     | 4              | ħ              | )f(           | ¥              | Р             | u              | v               | Ç              | ç             | Day  |
|------|----------|-------------------|----------------|----------------|----------------|-------|----------------|----------------|---------------|----------------|---------------|----------------|-----------------|----------------|---------------|------|
| W 1  | 12 34 53 | 10 <b>°</b> 37'57 | 3 <b>≏</b> 45  | 22 <b>)</b> 34 | 25≈ 1          | 14∏42 | 15耳56          | 25 <b>8</b> 32 | 27840         | 28°R10         | 3°R31         | 13°R17         | 12 <b>m</b> ) 5 | 13 <b>Ⅱ</b> 21 | 8°R16         | W 1  |
| T 2  | 12 38 50 | 11°37'07          | 17°59          | 24°15          | 25°54          | 15°18 | 16° 5          | 25°38          | 27°43         | 28Mp 9         | 3 <b>Ω</b> 31 | 13 <b>m</b> 15 | 12° 1           | 13°28          | 8 <b>N</b> 15 | T 2  |
| F 3  | 12 42 46 | 12°36'15          | 2M29           | 25°58          | 26°47          | 15°54 | 16°14          | 25°45          | 27°46         | 28° 7          | 3°30          | 13°11          | 11°58           | 13°35          | 8°15          | F 3  |
| S 4  | 12 46 43 | 13°35'21          | 17° 7          | 27°43          | 27°40          | 16°30 | 16°24          | 25°51          | 27°48         | 28° 6          | 3°30          | 13° 6          | 11°55           | 13°41          | 8°14          | S 4  |
| S 5  | 12 50 39 | 14°34'25          | 1 <b>∡7</b> 47 | 29°28          | 28°35          | 17° 6 | 16°33          | 25°57          | 27°51         | 28° 4          | 3°30          | 13° 2          | 11°52           | 13°48          | 8°14          | S 5  |
| M 6  | 12 54 36 | 15°33'28          | 16°22          | 1 <b>Υ</b> 16  | 29°30          | 17°42 | 16°43          | 26° 4          | 27°54         | 28° 3          | 3°29          | 12°58          | 11°49           | 13°55          | 8°13          | M 6  |
| T 7  | 12 58 32 | 16°32'29          | 0 <b>궁</b> 47  | 3° 4           | 0 <b>)</b> €25 | 18°19 | 16°53          | 26°11          | 27°57         | 28° 1          | 3°29          | 12°56          | 11°46           | 14° 1          | 8°13          | T 7  |
| W 8  | 13 2 29  | 17°31'28          | 14°58          | 4°55           | 1°21           | 18°55 | 17° 3          | 26°17          | 27°59         | 27°59          | 3°29          | 12°D55         | 11°42           | 14° 8          | 8°13          | W 8  |
| T 9  | 13 6 25  | 18°30'25          | 28°53          | 6°46           | 2°17           | 19°31 | 17°13          | 26°24          | 28° 2         | 27°58          | 3°29          | 12°55          | 11°39           | 14°15          | 8°D13         | T 9  |
| F 10 | 13 10 22 | 19°29'21          | 12≈33          | 8°40           | 3°14           | 20° 7 | 17°23          | 26°31          | 28° 5         | 27°56          | 3°28          | 12°57          | 11°36           | 14°22          | 8°13          | F 10 |
| S 11 | 13 14 19 | 20°28'15          | 25°57          | 10°34          | 4°11           | 20°44 | 17°33          | 26°37          | 28° 8         | 27°55          | 3°28          | 12°58          | 11°33           | 14°28          | 8°13          | S 11 |
| S 12 | 13 18 15 | 21°27'07          | 9 <b>∺</b> 8   | 12°30          | 5° 9           | 21°20 | 17°44          | 26°44          | 28°11         | 27°53          | 3°28          | 12°R59         | 11°30           | 14°35          | 8°13          | S 12 |
| M13  | 13 22 12 | 22°25'57          | 22° 6          | 14°28          | 6° 7           | 21°56 | 17°54          | 26°51          | 28°14         | 27°52          | 3°28          | 12°59          | 11°26           | 14°42          | 8°13          | M13  |
| T 14 | 13 26 8  | 23°24'45          | <b>4</b> Υ52   | 16°27          | 7° 6           | 22°33 | 18° 4          | 26°58          | 28°17         | 27°50          | 3°28          | 12°57          | 11°23           | 14°49          | 8°14          | T 14 |
| W15  | 13 30 5  | 24°23'32          | 17°27          | 18°27          | 8° 5           | 23° 9 | 18°15          | 27° 5          | 28°20         | 27°49          | 3°28          | 12°52          | 11°20           | 14°55          | 8°14          | W15  |
| T 16 | 13 34 1  | 25°22'16          | 29°51          | 20°29          | 9° 4           | 23°46 | 18°26          | 27°12          | 28°23         | 27°47          | 3°D28         | 12°46          | 11°17           | 15° 2          | 8°15          | T 16 |
| F 17 | 13 37 58 | 26°20'59          | 128 6          | 22°32          | 10° 4          | 24°22 | 18°37          | 27°19          | 28°26         | 27°46          | 3°28          | 12°39          | 11°14           | 15° 9          | 8°16          | F 17 |
| S 18 | 13 41 54 | 27°19'40          | 24°12          | 24°36          | 11° 4          | 24°58 | 18°47          | 27°26          | 28°29         | 27°45          | 3°28          | 12°30          | 11°11           | 15°15          | 8°17          | S 18 |
| S 19 | 13 45 51 | 28°18'18          | 6 <b>I</b> I10 | 26°41          | 12° 4          | 25°35 | 18°58          | 27°33          | 28°32         | 27°43          | 3°28          | 12°22          | 11° 7           | 15°22          | 8°18          | S 19 |
| M20  | 13 49 48 | 29°16'55          | 18° 4          | 28°48          | 13° 5          | 26°11 | 19° 9          | 27°40          | 28°36         | 27°42          | 3°28          | 12°14          | 11° 4           | 15°29          | 8°19          | M20  |
| T 21 | 13 53 44 | 0 <b>8</b> 15'29  | 29°55          | 0 <b>8</b> 55  | 14° 6          | 26°48 | 19°21          | 27°47          | 28°39         | 27°41          | 3°28          | 12° 8          | 11° 1           | 15°36          | 8°20          | T 21 |
| W22  | 13 57 41 | 1°14'02           | 119548         | 3° 2           | 15° 7          | 27°24 | 19°32          | 27°54          | 28°42         | 27°39          | 3°28          | 12° 4          | 10°58           | 15°42          | 8°21          | W22  |
| T 23 | 14 1 37  | 2°12'32           | 23°46          | 5°10           | 16° 9          | 28° 1 | 19°43          | 28° 2          | 28°45         | 27°38          | 3°28          | 12° 2          | 10°55           | 15°49          | 8°23          | T 23 |
| F 24 | 14 5 34  | 3°11'00           | 5 <b>Ω</b> 55  | 7°19           | 17°11          | 28°37 | 19°55          | 28° 9          | 28°48         | 27°37          | 3°29          | 12°D 1         | 10°52           | 15°56          | 8°24          | F 24 |
| S 25 | 14 9 30  | 4° 9'26           | 18°19          | 9°27           | 18°13          | 29°14 | 20° 6          | 28°16          | 28°52         | 27°35          | 3°29          | 12° 2          | 10°48           | 16° 2          | 8°26          | S 25 |
| S 26 | 14 13 27 | 5° 7'50           | 1 Mp 3         | 11°34          | 19°16          | 29°50 | 20°18          | 28°24          | 28°55         | 27°34          | 3°29          | 12° 3          | 10°45           | 16° 9          | 8°27          | S 26 |
| M27  | 14 17 23 | 6° 6'11           | 14°12          | 13°42          | 20°18          | 0ණ27  | 20°29          | 28°31          | 28°58         | 27°33          | 3°29          | 12°R 3         | 10°42           | 16°16          | 8°29          | M27  |
| T 28 | 14 21 20 | 7° 4'31           | 27°47          | 15°48          | 21°21          | 1° 4  | 20°41          | 28°38          | 29° 1         | 27°32          | 3°30          | 12° 2          | 10°39           | 16°23          | 8°31          | T 28 |
| W29  | 14 25 16 | 8° 2'48           | 11 <b>≏</b> 51 | 17°53          | 22°25          | 1°40  | 20°53          | 28°46          | 29° 5         | 27°30          | 3°30          | 11°59          | 10°36           | 16°29          | 8°33          | W29  |
| T 30 | 14 29 13 | 9 <b>8</b> 1'04   | 26 <b>≏</b> 20 | 19 <b>8</b> 56 | 23 <b>米</b> 28 | 29917 | 21 <b>II</b> 5 | 28 <b>8</b> 53 | 29 <b>8</b> 8 | 27 <b>m</b> 29 | 3 <b>Ω</b> 30 | 11 <b>m</b> 53 | 10 <b>m</b> 32  | 16耳36          | 8 <b>Ω</b> 35 | T 30 |

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|--------------|----------------------|----------------------|------------------------|----------------|----------------|----------------|-----------------|--------------|-----------------------|-----------------|---------------|----------------|-----------------|----------------|----------------|--------------|
| F 1          | 14 33 10             | 9 <b>8</b> 59'18     | 11 <b>M</b> 9          | 21857          | 24 <b>)</b> 32 | 2953           | 21 <b>I</b> I16 | 298 1        | 29811                 | 27°R28          | 3 <b>Ω</b> 31 | 11°R46         | 10 <b>m</b> 29  | 16 <b>Ⅱ</b> 43 | 8 <b>Ω</b> 37  | F 1          |
| S 2          | 14 37 6              | 10°57'30             | 26°12                  | 23°57          | 25°36          | 3°30           | 21°28           | 29° 8        | 29°15                 | 27 <b>m</b> 27  | 3°31          | 11 <b>m</b> 37 | 10°26           | 16°50          | 8°40           | S 2          |
| S 3          | 14 41 3              | 11°55'40             | 11 <b>~</b> 17         | 25°53          | 26°40          | 4° 7           | 21°40           | 29°16        | 29°18                 | 27°26           | 3°31          | 11°28          | 10°23           | 16°56          | 8°42           | S 3          |
| M 4          | 14 44 59             | 12°53'49             | 26°15                  | 27°48          | 27°44          | 4°43           | 21°53           | 29°23        | 29°21                 | 27°25           | 3°32          | 11°20          | 10°20           | 17° 3          | 8°45           | M 4          |
| T 5          | 14 48 56             | 13°51'57             | 10 <b>궁</b> 58         | 29°39          | 28°49          | 5°20           | 22° 5           | 29°31        | 29°25                 | 27°24           | 3°32          | 11°14          | 10°17           | 17°10          | 8°47           | T 5          |
| W 6          | 14 52 52             | 14°50'03             | 25°20                  | 1 <b>Ⅲ</b> 27  | 29°53          | 5°56           | 22°17           | 29°39        | 29°28                 | 27°23           | 3°33          | 11°11          | 10°13           | 17°16          | 8°50           | W 6          |
| T 7          | 14 56 49             | 15°48'07             | 9≈20                   | 3°12           | 0 <b>Υ</b> 58  | 6°33           | 22°29           | 29°46        | 29°32                 | 27°22           | 3°33          | 11° 9          | 10°10           | 17°23          | 8°53           | T 7          |
| F 8          | 15 0 46              | 16°46'11             | 22°56                  | 4°54           | 2° 4           | 7°10           | 22°42           | 29°54        | 29°35                 | 27°21           | 3°34          | 11°D 9         | 10° 7           | 17°30          | 8°55           | F 8          |
| S 9          | 15 4 42              | 17°44'12             | 6 <b>∺</b> 11          | 6°32           | 3° 9           | 7°46           | 22°54           | 0耳 1         | 29°39                 | 27°20           | 3°35          | 11°R 9         | 10° 4           | 17°37          | 8°58           | S 9          |
| S 10         | 15 8 39              | 18°42'13             | 19° 8                  | 8° 7           | 4°14           | 8°23           | 23° 7           | 0° 9         | 29°42                 | 27°19           | 3°35          | 11° 9          | 10° 1           | 17°43          | 9° 2           | S 10         |
| M11          | 15 12 35             | 19°40'12             | 1 <b>Y</b> 50          | 9°38           | 5°20           | 9° 0           | 23°19           | 0°17         | 29°46                 | 27°18           | 3°36          | 11° 7          | 9°57            | 17°50          | 9° 5           | M11          |
| T 12         | 15 16 32             | 20°38'10             | 14°19                  | 11° 5          | 6°26           | 9°37           | 23°32           | 0°24         | 29°49                 | 27°17           | 3°36          | 11° 3          | 9°54            | 17°57          | 9° 8           | T 12         |
| W13          | 15 20 28             | 21°36'06             | 26°38                  | 12°29          | 7°32           | 10°13          | 23°44           | 0°32         | 29°52                 | 27°16           | 3°37          | 10°56          | 9°51            | 18° 3          | 9°11           | W13          |
| T 14         | 15 24 25             | 22°34'02             | 8849                   | 13°49<br>15° 4 | 8°38           | 10°50          | 23°57           | 0°40         | 29°56                 | 27°16           | 3°38          | 10°46          | 9°48            | 18°10          | 9°15           | T 14         |
| F 15<br>S 16 | 15 28 21<br>15 32 18 | 23°31'55<br>24°29'47 | 20°53<br>2 <b>∏</b> 52 | 15° 4<br>16°16 | 9°44<br>10°51  | 11°27<br>12° 4 | 24°10<br>24°22  | 0°48<br>0°55 | 29°59<br>0 <b>耳</b> 3 | 27°15<br>27°14  | 3°38<br>3°39  | 10°34<br>10°21 | 9°45<br>9°42    | 18°17<br>18°24 | 9°18<br>9°22   | F 15<br>S 16 |
|              |                      |                      |                        |                |                |                |                 |              |                       |                 |               | -              |                 |                |                |              |
| S 17         | 15 36 14             | 25°27'38             | 14°46                  | 17°24          | 11°57          | 12°40          | 24°35           | 1° 3         | 0° 6                  | 27°13           | 3°40          | 10° 8          | 9°38            | 18°30          | 9°26           | S 17         |
| M18          | 15 40 11             | 26°25'27             | 26°38                  | 18°28          | 13° 4          | 13°17          | 24°48           | 1°11         | 0°10                  | 27°13           | 3°41          | 9°55           | 9°35            | 18°37          | 9°29           | M18          |
| T 19         | 15 44 8              | 27°23'15             | 8929                   | 19°28          | 14°11          | 13°54          | 25° 1           | 1°19         | 0°13                  | 27°12           | 3°42          | 9°45           | 9°32            | 18°44          | 9°33<br>9°37   | T 19         |
| W20<br>T 21  | 15 48 4<br>15 52 1   | 28°21'01<br>29°18'46 | 20°22<br>2 <b>Ω</b> 20 | 20°23<br>21°14 | 15°18<br>16°25 | 14°31<br>15° 8 | 25°14<br>25°27  | 1°26<br>1°34 | 0°17<br>0°20          | 27°12<br>27°11  | 3°42<br>3°43  | 9°37<br>9°32   | 9°29<br>9°26    | 18°51<br>18°57 | 9°37<br>9°41   | W20<br>T 21  |
| F 22         | 15 55 57             | 0 <b>Ⅱ</b> 16'29     | 14°27                  | 21 14<br>22° 1 | 10°23          | 15°44          | 25°40           | 1°42         | 0°24                  | 27°10           | 3°44          | 9°29           | 9°23            | 18 37<br>19° 4 | 9°45           | F 22         |
| S 23         | 15 59 54             | 1°14'11              | 26°48                  | 22°43          | 18°40          | 16°21          | 25°53           | 1°50         | 0°27                  | 27°10           | 3°45          | 9°29           | 9°19            | 19°11          | 9°50           | S 23         |
|              |                      |                      |                        |                | 19°47          |                | 26° 6           |              | 0°31                  | 27° 9           |               | 9°29           |                 | 19°17          | 9°54           |              |
| S 24<br>M25  | 16 3 50<br>16 7 47   | 2°11'50<br>3° 9'29   | 9 Mp 28<br>22°32       | 23°21<br>23°55 | 19°47<br>20°55 | 16°58<br>17°35 | 26° 6<br>26°20  | 1°57<br>2° 5 | 0°31<br>0°34          | 27° 9           | 3°46<br>3°47  | 9°29<br>9°28   | 9°16<br>9°13    | 19°17<br>19°24 | 9°54<br>9°58   | S 24<br>M25  |
| T 26         | 16 11 43             | 4° 7'05              | 6 <u>₽</u> 3           | 24°24          | 20° 33         | 17 33<br>18°12 | 26°33           | 2°13         | 0°38                  | 27° 8           | 3°48          | 9°26           | 9°10            | 19°24          | 10° 3          | T 26         |
| W27          | 16 15 40             | 5° 4'41              | 20° 4                  | 24°48          | 23°10          | 18°49          | 26°46           | 2°21         | 0°41                  | 27° 8           | 3°49          | 9°22           | 9° 7            | 19°38          | 10° 7          | W27          |
| T 28         | 16 19 37             | 6° 2'15              | 4M.34                  | 25° 7          | 24°18          | 19°26          | 26°59           | 2°28         | 0°45                  | 27° 8           | 3°50          | 9°16           | 9° 3            | 19°44          | 10°12          | T 28         |
| F 29         | 16 23 33             | 6°59'47              | 19°29                  | 25°22          | 25°26          | 20° 3          | 27°12           | 2°36         | 0°48                  | 27° 7           | 3°51          | 9° 7           | 9° 0            | 19°51          | 10°17          | F 29         |
| S 30         | 16 27 30             | 7°57'19              | 4 <b>₹</b> 41          | 25°32          | 26°34          | 20°39          | 27°26           | 2°44         | 0°52                  | 27° 7           | 3°52          | 8°56           | 8°57            | 19°58          | 10°22          | S 30         |
| S 31         | 16 31 26             | 8 <b>Ⅱ</b> 54'49     | 20 <b>×</b> 0          | 25 <b>Ⅱ</b> 37 | 27 <b>Y</b> 42 | 219916         | 27 <b>川</b> 39  | 2∏52         | 0Д55                  | 27 <b>m</b> ) 7 | 3 <b>Ω</b> 53 | 8 <b>m</b> /45 | 8 <b>m</b> ) 54 | 20Ⅱ 4          | 10 <b>Ω</b> 26 | S 31         |

Delta T = 25.53 sec

JUNE 1942 00:00 UT

| Day        | Sid.t               | $\odot$              | Ŋ               | φ              | Ŷ              | ď              | 4                     | ħ              | )ұ(           | ¥              | 5             | U             | Ω             | ţ              | Š              | Day        |
|------------|---------------------|----------------------|-----------------|----------------|----------------|----------------|-----------------------|----------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|------------|
| M 1        | 16 35 23            | 9∏52'19              | 5 <b>ਰ</b> 14   | 25°R38         | 28 <b>Y</b> 50 | 21953          | 27 <b>II</b> 53       | 2П59           | 0Д59          | 27°R 6         | 3 <b>Ω</b> 54 | 8°R36         | 8 <b>m</b> 51 | 20耳11          | 10€31          | M 1        |
| T 2        | 16 39 19            | 10°49'47             | 20°13           | 25 <b>Ⅱ</b> 34 | 29°59          | 22°30          | 28° 6                 | 3° 7           | 1° 2          | 27MD 6         | 3°55          | 8 Mp 28       | 8°48          | 20°18          | 10°36          | T 2        |
| W 3        | 16 43 16            | 11°47'15             | 4≈50            | 25°26          | 18 7           | 23° 7          | 28°19                 | 3°15           | 1° 6          | 27° 6          | 3°56          | 8°23          | 8°44          | 20°25          | 10°41          | W 3        |
| T 4        | 16 47 13            | 12°44'42             | 18°59           | 25°14          | 2°16           | 23°44          | 28°33                 | 3°23           | 1° 9          | 27° 6          | 3°58          | 8°20          | 8°41          | 20°31          | 10°47          | T 4        |
| F 5        | 16 51 9             | 13°42'08<br>14°39'34 | 2 <b>)</b> (41  | 24°58          | 3°25<br>4°33   | 24°21          | 28°46<br>29° 0        | 3°30<br>3°38   | 1°13<br>1°16  | 27° 6<br>27° 6 | 3°59<br>4° 0  | 8°19<br>8°19  | 8°38<br>8°35  | 20°38<br>20°45 | 10°52          | F 5<br>S 6 |
| S 6        | 16 55 6             |                      | 15°57           | 24°38          |                | 24°58          |                       |                |               |                |               |               |               |                | 10°57          | ~ "        |
| S 7        | 16 59 2             | 15°36'59             | 28°51           | 24°14          | 5°42           | 25°35          | 29°13                 | 3°46           | 1°20          | 27° 6          | 4° 1          | 8°19          | 8°32          | 20°52          | 11° 3          | S 7        |
| M 8        | 17 2 59             | 16°34'23             | 11 <b>Y</b> 26  | 23°48          | 6°51           | 26°12          | 29°27                 | 3°53           | 1°23          | 27°D 6         | 4° 2          | 8°17          | 8°29          | 20°58          | 11° 8          | M 8        |
| T 9<br>W10 | 17 6 55<br>17 10 52 | 17°31'47             | 23°46           | 23°19<br>22°49 | 8° 0           | 26°49          | 29°40                 | 4° 1<br>4° 9   | 1°26<br>1°30  | 27° 6<br>27° 6 | 4° 4          | 8°12<br>8° 5  | 8°25<br>8°22  | 21° 5          | 11°13          | T 9<br>W10 |
| T 11       | 17 10 52            | 18°29'10<br>19°26'33 | 5 <b>8</b> 56   | 22°49<br>22°16 | 10°18          | 27°26<br>28° 3 | 29°54<br>0 <b>9</b> 8 | 4° 16          | 1°33          | 27° 6<br>27° 6 | 4° 5<br>4° 6  | 7°55          | 8°22<br>8°19  | 21°12<br>21°18 | 11°19<br>11°25 | T 11       |
| F 12       | 17 14 46            | 20°23'55             | 29°54           | 21°43          | 10°18          | 28°40          | 0°21                  | 4°24           | 1°37          | 27° 6          | 4° 7          | 7°43          | 8°16          | 21°25          | 11°30          | F 12       |
| S 13       | 17 22 41            | 21°21'16             | 11 <b>II</b> 48 | 21° 9          | 12°37          | 29°17          | 0°35                  | 4°31           | 1°40          | 27° 6          | 4° 9          | 7°30          | 8°13          | 21°32          | 11°36          | S 13       |
| S 14       | 17 26 38            | 22°18'37             | 23°40           | 20°36          | 13°46          | 29°54          | 0°48                  | 4°39           | 1°43          | 27° 6          | 4°10          | 7°17          | 8° 9          | 21°39          | 11°42          | S 14       |
| M15        | 17 20 38            | 23°15'57             | 5 <b>9</b> 31   | 20° 3          | 14°56          | $0\Omega_{31}$ | 1° 2                  | 4°46           | 1°47          | 27° 6          | 4°11          | 7° 4          | 8° 6          | 21°45          | 11°48          | M15        |
| T 16       | 17 34 31            | 24°13'17             | 17°24           | 19°31          | 16° 5          | 1° 8           | 1°16                  | 4°54           | 1°50          | 27° 6          | 4°13          | 6°54          | 8° 3          | 21°52          | 11°54          | T 16       |
| W17        | 17 38 28            | 25°10'35             | 29°20           | 19° 2          | 17°15          | 1°45           | 1°29                  | 5° 1           | 1°53          | 27° 7          | 4°14          | 6°46          | 8° 0          | 21°59          | 12° 0          | W17        |
| T 18       | 17 42 24            | 26° 7'54             | 11 <b>Ω</b> 22  | 18°34          | 18°25          | 2°22           | 1°43                  | 5° 9           | 1°56          | 27° 7          | 4°16          | 6°41          | 7°57          | 22° 5          | 12° 6          | T 18       |
| F 19       | 17 46 21            | 27° 5'11             | 23°33           | 18°10          | 19°34          | 2°59           | 1°57                  | 5°16           | 2° 0          | 27° 7          | 4°17          | 6°38          | 7°54          | 22°12          | 12°12          | F 19       |
| S 20       | 17 50 17            | 28° 2'27             | 5 <b>m</b> 56   | 17°49          | 20°44          | 3°36           | 2°11                  | 5°24           | 2° 3          | 27° 8          | 4°18          | 6°D37         | 7°50          | 22°19          | 12°18          | S 20       |
| S 21       | 17 54 14            | 28°59'43             | 18°36           | 17°31          | 21°54          | 4°14           | 2°24                  | 5°31           | 2° 6          | 27° 8          | 4°20          | 6°37          | 7°47          | 22°26          | 12°25          | S 21       |
| M22        | 17 58 11            | 29°56'58             | 1 <b>≏</b> 37   | 17°17          | 23° 4          | 4°51           | 2°38                  | 5°38           | 2° 9          | 27° 8          | 4°21          | 6°R38         | 7°44          | 22°32          | 12°31          | M22        |
| T 23       | 18 2 7              | 0954'13              | 15° 2           | 17° 7          | 24°14          | 5°28           | 2°52                  | 5°46           | 2°13          | 27° 9          | 4°23          | 6°37          | 7°41          | 22°39          | 12°37          | T 23       |
| W24        | 18 6 4              | 1°51'26              | 28°55           | 17° 2          | 25°24          | 6° 5           | 3° 5                  | 5°53           | 2°16          | 27° 9          | 4°24          | 6°34          | 7°38          | 22°46          | 12°44          | W24        |
| T 25       | 18 10 0             | 2°48'39              | 13ML16          | 17°D 1         | 26°34          | 6°42           | 3°19                  | 6° 0           | 2°19          | 27°10          | 4°26          | 6°29          | 7°35          | 22°52          | 12°50          | T 25       |
| F 26       | 18 13 57            | 3°45'52              | 28° 2           | 17° 5          | 27°44          | 7°19           | 3°33                  | 6° 7           | 2°22          | 27°10          | 4°27          | 6°22          | 7°31          | 22°59          | 12°57          | F 26       |
| S 27       | 18 17 53            | 4°43'04              | 13 <b>×7</b> 8  | 17°14          | 28°55          | 7°57           | 3°46                  | 6°15           | 2°25          | 27°11          | 4°29          | 6°14          | 7°28          | 23° 6          | 13° 3          | S 27       |
| S 28       | 18 21 50            | 5°40'16              | 2 <u>8</u> °25  | 17°27          | 0耳 5           | 8°34           | 4° 0                  | 6°22           | 2°28          | 27°12          | 4°30          | 6° 5          | 7°25          | 23°13          | 13°10          | S 28       |
| M29        | 18 25 46            | 6°37'28              | 13541           | 17°46          | 1°15           | 9°11           | 4°14                  | 6°29           | 2°31          | 27°12          | 4°32          | 5°57          | 7°22          | 23°19          | 13°16          | M29        |
| T 30       | 18 29 43            | 7934'39              | 28 <b>궁</b> 45  | 18 <b>II</b> 9 | 2 <b>Ⅱ</b> 26  | 9 <b>Ω</b> 48  | 49527                 | 6 <b>I</b> I36 | 2 <b>Ⅱ</b> 34 | 27 Mp 13       | 4 <b>Ω</b> 33 | 5 <b>m</b> 50 | 7 <b>m</b> 19 | 23 <b>Ⅱ</b> 26 | 13 <b>N</b> 23 | T 30       |

Delta T = 25.58 sec

JULY 1942 00:00 UT

| Day  | Sid.t    | 0               | D              | ğ              | Ş              | ð              | 4      | ħ             | )f(           | 卉              | В             | ß             | Ω               | ţ     | , o            | Day  |
|------|----------|-----------------|----------------|----------------|----------------|----------------|--------|---------------|---------------|----------------|---------------|---------------|-----------------|-------|----------------|------|
| W 1  | 18 33 40 | 8931'51         | 13≈30          | 18 <b>耳</b> 37 | 3 <b>II</b> 36 | 10 <b>Ω</b> 25 | 49541  | 6 <b>Ⅱ</b> 43 | 2 <b>Ⅱ</b> 37 | 27 Mp 14       | 4 <b>Ω</b> 35 | 5°R46         | 7 <b>m</b> ) 15 | 23耳33 | 13 <b>£</b> 30 | W 1  |
| T 2  | 18 37 36 | 9°29'02         | 27°48          | 19°10          | 4°47           | 11° 3          | 4°55   | 6°50          | 2°40          | 27°14          | 4°36          | 5 <b>m</b> 44 | 7°12            | 23°40 | 13°37          | T 2  |
| F 3  | 18 41 33 | 10°26'14        | 11 <b>米</b> 38 | 19°47          | 5°57           | 11°40          | 5° 8   | 6°57          | 2°43          | 27°15          | 4°38          | 5°D44         | 7° 9            | 23°46 | 13°44          | F 3  |
| S 4  | 18 45 29 | 11°23'25        | 25° 0          | 20°29          | 7° 8           | 12°17          | 5°22   | 7° 4          | 2°46          | 27°16          | 4°40          | 5°45          | 7° 6            | 23°53 | 13°50          | S 4  |
| S 5  | 18 49 26 | 12°20'37        | 7 <b>Ƴ</b> 57  | 21°16          | 8°19           | 12°54          | 5°36   | 7°11          | 2°49          | 27°17          | 4°41          | 5°R46         | 7° 3            | 24° 0 | 13°57          | S 5  |
| M 6  | 18 53 22 | 13°17'49        | 20°33          | 22° 8          | 9°30           | 13°32          | 5°49   | 7°17          | 2°52          | 27°18          | 4°43          | 5°46          | 7° 0            | 24° 6 | 14° 4          | M 6  |
| T 7  | 18 57 19 | 14°15'02        | 2 <b>8</b> 52  | 23° 4          | 10°41          | 14° 9          | 6° 3   | 7°24          | 2°55          | 27°19          | 4°44          | 5°44          | 6°56            | 24°13 | 14°11          | T 7  |
| W 8  | 19 1 15  | 15°12'15        | 14°58          | 24° 5          | 11°51          | 14°46          | 6°17   | 7°31          | 2°58          | 27°20          | 4°46          | 5°40          | 6°53            | 24°20 | 14°18          | W 8  |
| T 9  | 19 5 12  | 16° 9'28        | 26°56          | 25°10          | 13° 2          | 15°24          | 6°30   | 7°38          | 3° 0          | 27°20          | 4°48          | 5°34          | 6°50            | 24°27 | 14°25          | T 9  |
| F 10 | 19 9 9   | 17° 6'42        | 8耳50           | 26°19          | 14°13          | 16° 1          | 6°44   | 7°44          | 3° 3          | 27°21          | 4°49          | 5°26          | 6°47            | 24°33 | 14°33          | F 10 |
| S 11 | 19 13 5  | 18° 3'56        | 20°41          | 27°33          | 15°25          | 16°38          | 6°57   | 7°51          | 3° 6          | 27°22          | 4°51          | 5°18          | 6°44            | 24°40 | 14°40          | S 11 |
| S 12 | 19 17 2  | 19° 1'10        | 2933           | 28°50          | 16°36          | 17°16          | 7°11   | 7°57          | 3° 8          | 27°23          | 4°53          | 5° 9          | 6°41            | 24°47 | 14°47          | S 12 |
| M13  | 19 20 58 | 19°58'25        | 14°27          | 0ණ13           | 17°47          | 17°53          | 7°24   | 8° 4          | 3°11          | 27°25          | 4°54          | 5° 1          | 6°37            | 24°53 | 14°54          | M13  |
| T 14 | 19 24 55 | 20°55'40        | 26°25          | 1°39           | 18°58          | 18°31          | 7°38   | 8°10          | 3°14          | 27°26          | 4°56          | 4°54          | 6°34            | 25° 0 | 15° 1          | T 14 |
| W15  | 19 28 51 | 21°52'55        | $8\Omega$ 30   | 3° 9           | 20° 9          | 19°8           | 7°51   | 8°17          | 3°16          | 27°27          | 4°58          | 4°49          | 6°31            | 25° 7 | 15° 9          | W15  |
| T 16 | 19 32 48 | 22°50'10        | 20°41          | 4°43           | 21°21          | 19°46          | 8° 5   | 8°23          | 3°19          | 27°28          | 4°59          | 4°46          | 6°28            | 25°14 | 15°16          | T 16 |
| F 17 | 19 36 44 | 23°47'26        | 3 Mg 2         | 6°21           | 22°32          | 20°23          | 8°18   | 8°29          | 3°21          | 27°29          | 5° 1          | 4°D45         | 6°25            | 25°20 | 15°23          | F 17 |
| S 18 | 19 40 41 | 24°44'42        | 15°35          | 8° 3           | 23°44          | 21° 0          | 8°31   | 8°35          | 3°24          | 27°30          | 5° 3          | 4°45          | 6°21            | 25°27 | 15°31          | S 18 |
| S 19 | 19 44 38 | 25°41'58        | 28°22          | 9°48           | 24°55          | 21°38          | 8°45   | 8°42          | 3°26          | 27°32          | 5° 5          | 4°47          | 6°18            | 25°34 | 15°38          | S 19 |
| M20  | 19 48 34 | 26°39'14        | 11 <b>≏</b> 27 | 11°36          | 26° 7          | 22°15          | 8°58   | 8°48          | 3°29          | 27°33          | 5° 6          | 4°48          | 6°15            | 25°40 | 15°46          | M20  |
| T 21 | 19 52 31 | 27°36'30        | 24°51          | 13°28          | 27°18          | 22°53          | 9°11   | 8°54          | 3°31          | 27°34          | 5° 8          | 4°R49         | 6°12            | 25°47 | 15°53          | T 21 |
| W22  | 19 56 27 | 28°33'47        | 8 <b>M</b> .38 | 15°22          | 28°30          | 23°31          | 9°25   | 9° 0          | 3°34          | 27°35          | 5°10          | 4°48          | 6° 9            | 25°54 | 16° 1          | W22  |
| T 23 | 20 0 24  | 29°31'04        | 22°48          | 17°19          | 29°42          | 24° 8          | 9°38   | 9° 6          | 3°36          | 27°37          | 5°11          | 4°46          | 6° 6            | 26° 1 | 16° 8          | T 23 |
| F 24 | 20 4 20  | $0\Omega 28'21$ | 7 <b>.</b> ₹19 | 19°18          | 0953           | 24°46          | 9°51   | 9°11          | 3°38          | 27°38          | 5°13          | 4°43          | 6° 2            | 26° 7 | 16°16          | F 24 |
| S 25 | 20 8 17  | 1°25'39         | 22° 8          | 21°19          | 2° 5           | 25°23          | 10° 4  | 9°17          | 3°40          | 27°40          | 5°15          | 4°39          | 5°59            | 26°14 | 16°23          | S 25 |
| S 26 | 20 12 13 | 2°22'57         | 7중 7           | 23°22          | 3°17           | 26° 1          | 10°18  | 9°23          | 3°43          | 27°41          | 5°17          | 4°34          | 5°56            | 26°21 | 16°31          | S 26 |
| M27  | 20 16 10 | 3°20'16         | 22° 8          | 25°26          | 4°29           | 26°38          | 10°31  | 9°29          | 3°45          | 27°42          | 5°18          | 4°30          | 5°53            | 26°27 | 16°38          | M27  |
| T 28 | 20 20 7  | 4°17'35         | 7 <b>≈</b> 3   | 27°31          | 5°41           | 27°16          | 10°44  | 9°34          | 3°47          | 27°44          | 5°20          | 4°27          | 5°50            | 26°34 | 16°46          | T 28 |
| W29  | 20 24 3  | 5°14'55         | 21°43          | 29°37          | 6°53           | 27°54          | 10°57  | 9°40          | 3°49          | 27°45          | 5°22          | 4°25          | 5°47            | 26°41 | 16°54          | W29  |
| T 30 | 20 28 0  | 6°12'16         | 6 <b>∺</b> 2   | 1 <b>Q</b> 43  | 8° 5           | 28°31          | 11°10  | 9°45          | 3°51          | 27°47          | 5°23          | 4°D25         | 5°43            | 26°48 | 17° 1          | T 30 |
| F 31 | 20 31 56 | 7 <b>Ω</b> 9'37 | 19 <b>米</b> 55 | 3 <b>Ω</b> 49  | 9 <b>9</b> 17  | 29⋒ 9          | 119523 | 9 <b>耳</b> 50 | 3耳53          | 27 <b>M</b> 48 | 5 <b>Ω</b> 25 | 4 Mp 25       | 5 <b>M</b> 40   | 26∏54 | 17 <b>Ω</b> 9  | F 31 |

Delta T = 25.63 sec

AUGUST 1942 00:00 UT

| Day  | Sid.t    | $\odot$            | D              | φ              | φ              | o <sup>7</sup>  | 4     | ħ               | )ұ(           | ¥              | 5             | U               | Ω             | ţ             | Š              | Day  |
|------|----------|--------------------|----------------|----------------|----------------|-----------------|-------|-----------------|---------------|----------------|---------------|-----------------|---------------|---------------|----------------|------|
| S 1  | 20 35 53 | 8 <b>N</b> 7'00    | 3 <b>℃</b> 22  | 5 <b>Ω</b> 55  | 10529          | 29 <b>Ω</b> 47  | 11936 | 9Д56            | 3 <b>Ⅱ</b> 55 | 27 <b>m</b> 50 | 5 <b>Ω</b> 27 | 4 <b>m</b> ) 27 | 5 <b>m</b> 37 | 27 <b>I</b> 1 | 17 <b>Ω</b> 17 | S 1  |
| S 2  | 20 39 49 | 9° 4'24            | 16°24          | 8° 1           | 11°41          | 0 <b>m</b> 24   | 11°48 | 10° 1           | 3°57          | 27°52          | 5°29          | 4°28            | 5°34          | 27° 8         | 17°24          | S 2  |
| M 3  | 20 43 46 | 10° 1'49           | 29° 4          | 10° 6          | 12°54          | 1° 2            | 12° 1 | 10° 6           | 3°59          | 27°53          | 5°30          | 4°29            | 5°31          | 27°14         | 17°32          | M 3  |
| T 4  | 20 47 42 | 10°59'15           | 11826          | 12°10          | 14° 6          | 1°40            | 12°14 | 10°11           | 4° 1          | 27°55          | 5°32          | 4°R30           | 5°27          | 27°21         | 17°40          | T 4  |
| W 5  | 20 51 39 | 11°56'42           | 23°33          | 14°13          | 15°18          | 2°18            | 12°27 | 10°16           | 4° 2          | 27°56          | 5°34          | 4°29            | 5°24          | 27°28         | 17°47          | W 5  |
| T 6  | 20 55 36 | 12°54'11           | 5 <b>Ⅱ</b> 31  | 16°15          | 16°31          | 2°56            | 12°39 | 10°21           | 4° 4          | 27°58          | 5°35          | 4°28            | 5°21          | 27°35         | 17°55          | T 6  |
| F 7  | 20 59 32 | 13°51'41           | 17°24          | 18°16          | 17°43          | 3°33            | 12°52 | 10°26           | 4° 6          | 28° 0          | 5°37          | 4°25            | 5°18          | 27°41         | 18° 3          | F 7  |
| S 8  | 21 3 29  | 14°49'12           | 29°15          | 20°15          | 18°56          | 4°11            | 13° 5 | 10°31           | 4° 7          | 28° 2          | 5°39          | 4°23            | 5°15          | 27°48         | 18°11          | S 8  |
| S 9  | 21 7 25  | 15°46'45           | 1195 9         | 22°13          | 20° 8          | 4°49            | 13°17 | 10°36           | 4° 9          | 28° 3          | 5°41          | 4°20            | 5°12          | 27°55         | 18°18          | S 9  |
| M10  | 21 11 22 | 16°44'18           | 23° 8          | 24°10          | 21°21          | 5°27            | 13°30 | 10°40           | 4°11          | 28° 5          | 5°42          | 4°17            | 5° 8          | 28° 1         | 18°26          | M10  |
| T 11 | 21 15 18 | 17°41'53           | 5 <b>Ω</b> 14  | 26° 5          | 22°34          | 6° 5            | 13°42 | 10°45           | 4°12          | 28° 7          | 5°44          | 4°15            | 5° 5          | 28° 8         | 18°34          | T 11 |
| W12  | 21 19 15 | 18°39'29           | 17°29          | 27°59          | 23°46          | 6°43            | 13°54 | 10°49           | 4°14          | 28° 9          | 5°46          | 4°13            | 5° 2          | 28°15         | 18°42          | W12  |
| T 13 | 21 23 11 | 19°37'06           | 29°55          | 29°52          | 24°59          | 7°21            | 14° 7 | 10°54           | 4°15          | 28°10          | 5°47          | 4°D12           | 4°59          | 28°22         | 18°50          | T 13 |
| F 14 | 21 27 8  | 20°34'45           | 12 <b>m</b> 33 | 1 <b>m</b> 43  | 26°12          | 7°59            | 14°19 | 10°58           | 4°16          | 28°12          | 5°49          | 4°13            | 4°56          | 28°28         | 18°57          | F 14 |
| S 15 | 21 31 5  | 21°32'24           | 25°24          | 3°32           | 27°25          | 8°37            | 14°31 | 11° 2           | 4°18          | 28°14          | 5°51          | 4°13            | 4°52          | 28°35         | 19° 5          | S 15 |
| S 16 | 21 35 1  | 22°30'04           | 8 <b>≏</b> 28  | 5°20           | 28°38          | 9°15            | 14°43 | 11° 6           | 4°19          | 28°16          | 5°52          | 4°14            | 4°49          | 28°42         | 19°13          | S 16 |
| M17  | 21 38 58 | 23°27'46           | 21°46          | 7° 6           | 29°51          | 9°53            | 14°55 | 11°10           | 4°20          | 28°18          | 5°54          | 4°15            | 4°46          | 28°48         | 19°21          | M17  |
| T 18 | 21 42 54 | 24°25'28           | 5 <b>M</b> ₊19 | 8°51           | 1 <b>Ω</b> 4   | 10°31           | 15° 7 | 11°14           | 4°21          | 28°20          | 5°56          | 4°16            | 4°43          | 28°55         | 19°28          | T 18 |
| W19  | 21 46 51 | 25°23'12           | 19° 8          | 10°35          | 2°17           | 11° 9           | 15°19 | 11°18           | 4°23          | 28°22          | 5°57          | 4°R16           | 4°40          | 29° 2         | 19°36          | W19  |
| T 20 | 21 50 47 | 26°20'57           | 3 <b>₹</b> 12  | 12°17          | 3°30           | 11°47           | 15°31 | 11°22           | 4°24          | 28°24          | 5°59          | 4°16            | 4°37          | 29° 8         | 19°44          | T 20 |
| F 21 | 21 54 44 | 27°18'43           | 17°29          | 13°58          | 4°43           | 12°25           | 15°43 | 11°25           | 4°25          | 28°26          | 6° 1          | 4°16            | 4°33          | 29°15         | 19°52          | F 21 |
| S 22 | 21 58 40 | 28°16'30           | 1 <b>る</b> 57  | 15°37          | 5°56           | 13° 3           | 15°54 | 11°29           | 4°26          | 28°28          | 6° 2          | 4°15            | 4°30          | 29°22         | 20° 0          | S 22 |
| S 23 | 22 2 37  | 29°14'18           | 16°32          | 17°15          | 7° 9           | 13°41           | 16° 6 | 11°32           | 4°27          | 28°30          | 6° 4          | 4°15            | 4°27          | 29°29         | 20° 7          | S 23 |
| M24  | 22 6 34  | 0 <b>m</b> ) 12'07 | 1≈ 9           | 18°52          | 8°23           | 14°20           | 16°18 | 11°36           | 4°28          | 28°32          | 6° 5          | 4°14            | 4°24          | 29°35         | 20°15          | M24  |
| T 25 | 22 10 30 | 1° 9'58            | 15°41          | 20°27          | 9°36           | 14°58           | 16°29 | 11°39           | 4°28          | 28°34          | 6° 7          | 4°14            | 4°21          | 29°42         | 20°23          | T 25 |
| W26  | 22 14 27 | 2° 7'50            | 0 <b>米</b> 3   | 22° 1          | 10°49          | 15°36           | 16°40 | 11°42           | 4°29          | 28°36          | 6° 9          | 4°D14           | 4°18          | 29°49         | 20°30          | W26  |
| T 27 | 22 18 23 | 3° 5'43            | 14° 9          | 23°33          | 12° 3          | 16°14           | 16°52 | 11°46           | 4°30          | 28°38          | 6°10          | 4°14            | 4°14          | 29°55         | 20°38          | T 27 |
| F 28 | 22 22 20 | 4° 3'38            | 27°56          | 25° 5          | 13°16          | 16°53           | 17° 3 | 11°49           | 4°31          | 28°40          | 6°12          | 4°R14           | 4°11          | 099 2         | 20°46          | F 28 |
| S 29 | 22 26 16 | 5° 1'35            | 11 <b>Y</b> 21 | 26°34          | 14°30          | 17°31           | 17°14 | 11°51           | 4°31          | 28°42          | 6°13          | 4°14            | 4° 8          | 0° 9          | 20°54          | S 29 |
| S 30 | 22 30 13 | 5°59'33            | 24°25          | 28° 3          | 15°43          | 18° 9           | 17°25 | 11°54           | 4°32          | 28°44          | 6°15          | 4°14            | 4° 5          | 0°16          | 21° 1          | S 30 |
| M31  | 22 34 9  | 6 <b>m</b> 57'34   | 7 <b>8</b> 7   | 29 <b>m</b> 30 | 16 <b>Ω</b> 57 | 18 <b>M</b> )47 | 17936 | 11 <b>II</b> 57 | 4耳33          | 28 <b>M</b> 46 | 6 <b>Ω</b> 16 | 4 Mp 14         | 4M) 2         | 09522         | 218 9          | M31  |

Delta T = 25.68 sec

SEPTEMBER 1942 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | φ              | ð              | 4      | ħ              | )Å(           | ¥               | Р             | u             | v             | ţ     | ę,             | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|--------|----------------|---------------|-----------------|---------------|---------------|---------------|-------|----------------|------|
| T 1  | 22 38 6  | 7 <b>m</b> 55'36 | 19831           | 0 <b>ჲ</b> 55  | 18 <b>Ω</b> 10 | 19 <b>m</b> 26 | 179547 | 12 <b>II</b> 0 | 4 <b>Ⅱ</b> 33 | 28 <b>m</b> /48 | 6 <b>Ω</b> 18 | 4°R13         | 3 <b>m</b> 58 | 09329 | 21Ω16          | T 1  |
| W 2  | 22 42 2  | 8°53'40          | 1 <b>Ⅱ</b> 40   | 2°19           | 19°24          | 20° 4          | 17°58  | 12° 2          | 4°33          | 28°50           | 6°19          | 4 Mp 13       | 3°55          | 0°36  | 21°24          | W 2  |
| T 3  | 22 45 59 | 9°51'46          | 13°40           | 3°42           | 20°38          | 20°43          | 18° 9  | 12° 5          | 4°34          | 28°52           | 6°21          | 4°D13         | 3°52          | 0°42  | 21°32          | T 3  |
| F 4  | 22 49 56 | 10°49'54         | 25°33           | 5° 4           | 21°51          | 21°21          | 18°19  | 12° 7          | 4°34          | 28°54           | 6°22          | 4°13          | 3°49          | 0°49  | 21°39          | F 4  |
| S 5  | 22 53 52 | 11°48'04         | 7925            | 6°23           | 23° 5          | 22° 0          | 18°30  | 12° 9          | 4°35          | 28°57           | 6°24          | 4°14          | 3°46          | 0°56  | 21°47          | S 5  |
| S 6  | 22 57 49 | 12°46'16         | 19°21           | 7°42           | 24°19          | 22°38          | 18°40  | 12°11          | 4°35          | 28°59           | 6°25          | 4°15          | 3°43          | 1° 3  | 21°54          | S 6  |
| M 7  | 23 1 45  | 13°44'29         | 1 <b>Ω</b> 23   | 8°58           | 25°33          | 23°17          | 18°51  | 12°13          | 4°35          | 29° 1           | 6°27          | 4°16          | 3°39          | 1° 9  | 22° 2          | M 7  |
| T 8  | 23 5 42  | 14°42'45         | 13°37           | 10°13          | 26°47          | 23°55          | 19° 1  | 12°15          | 4°35          | 29° 3           | 6°28          | 4°16          | 3°36          | 1°16  | 22° 9          | T 8  |
| W 9  | 23 9 38  | 15°41'03         | 26° 3           | 11°26          | 28° 1          | 24°34          | 19°11  | 12°17          | 4°35          | 29° 5           | 6°29          | 4°17          | 3°33          | 1°23  | 22°17          | W 9  |
| T 10 | 23 13 35 | 16°39'22         | 8 <b>m</b> 45   | 12°38          | 29°15          | 25°12          | 19°21  | 12°19          | 4°R35         | 29° 7           | 6°31          | 4°R17         | 3°30          | 1°29  | 22°24          | T 10 |
| F 11 | 23 17 31 | 17°37'44         | 21°43           | 13°47          | 0 <b>m</b> 29  | 25°51          | 19°31  | 12°20          | 4°35          | 29°10           | 6°32          | 4°17          | 3°27          | 1°36  | 22°32          | F 11 |
| S 12 | 23 21 28 | 18°36'07         | 4 <b>≗</b> 57   | 14°55          | 1°43           | 26°30          | 19°41  | 12°22          | 4°35          | 29°12           | 6°34          | 4°15          | 3°24          | 1°43  | 22°39          | S 12 |
| S 13 | 23 25 25 | 19°34'31         | 18°25           | 16° 0          | 2°57           | 27° 8          | 19°51  | 12°23          | 4°35          | 29°14           | 6°35          | 4°14          | 3°20          | 1°49  | 22°46          | S 13 |
| M14  | 23 29 21 | 20°32'58         | 2 <b>m</b> 7    | 17° 4          | 4°11           | 27°47          | 20° 0  | 12°25          | 4°35          | 29°16           | 6°36          | 4°11          | 3°17          | 1°56  | 22°54          | M14  |
| T 15 | 23 33 18 | 21°31'26         | 16° 0           | 18° 5          | 5°25           | 28°26          | 20°10  | 12°26          | 4°35          | 29°18           | 6°38          | 4° 9          | 3°14          | 2° 3  | 23° 1          | T 15 |
| W16  | 23 37 14 | 22°29'56         | 0 <b>才</b> 1    | 19° 3          | 6°40           | 29° 5          | 20°19  | 12°27          | 4°34          | 29°21           | 6°39          | 4° 7          | 3°11          | 2°10  | 23° 8          | W16  |
| T 17 | 23 41 11 | 23°28'28         | 14° 9           | 19°58          | 7°54           | 29°44          | 20°29  | 12°28          | 4°34          | 29°23           | 6°40          | 4° 6          | 3° 8          | 2°16  | 23°15          | T 17 |
| F 18 | 23 45 7  | 24°27'01         | 28°21           | 20°51          | 9° 8           | 0 <b>ჲ</b> 22  | 20°38  | 12°29          | 4°34          | 29°25           | 6°41          | 4°D 6         | 3° 4          | 2°23  | 23°22          | F 18 |
| S 19 | 23 49 4  | 25°25'36         | 12 <b>る</b> 34  | 21°41          | 10°23          | 1° 1           | 20°47  | 12°29          | 4°33          | 29°27           | 6°43          | 4° 7          | 3° 1          | 2°30  | 23°30          | S 19 |
| S 20 | 23 53 0  | 26°24'12         | 26°47           | 22°27          | 11°37          | 1°40           | 20°56  | 12°30          | 4°33          | 29°30           | 6°44          | 4° 8          | 2°58          | 2°36  | 23°37          | S 20 |
| M21  | 23 56 57 | 27°22'50         | 10≈57           | 23°10          | 12°51          | 2°19           | 21° 5  | 12°30          | 4°32          | 29°32           | 6°45          | 4°10          | 2°55          | 2°43  | 23°44          | M21  |
| T 22 | 0 0 54   | 28°21'30         | 25° 1           | 23°48          | 14° 6          | 2°58           | 21°13  | 12°31          | 4°32          | 29°34           | 6°46          | 4°11          | 2°52          | 2°50  | 23°51          | T 22 |
| W23  | 0 4 50   | 29°20'11         | 8 <b>) (</b> 57 | 24°23          | 15°20          | 3°37           | 21°22  | 12°31          | 4°31          | 29°36           | 6°47          | 4°R11         | 2°49          | 2°57  | 23°58          | W23  |
| T 24 | 0 8 47   | 0 <b>Ω</b> 18'54 | 22°41           | 24°52          | 16°35          | 4°16           | 21°30  | 12°31          | 4°31          | 29°38           | 6°49          | 4°10          | 2°45          | 3° 3  | 24° 5          | T 24 |
| F 25 | 0 12 43  | 1°17'40          | 6 <b>Υ</b> 11   | 25°17          | 17°49          | 4°55           | 21°39  | 12°R31         | 4°30          | 29°41           | 6°50          | 4° 7          | 2°42          | 3°10  | 24°11          | F 25 |
| S 26 | 0 16 40  | 2°16'27          | 19°25           | 25°37          | 19° 4          | 5°34           | 21°47  | 12°31          | 4°29          | 29°43           | 6°51          | 4° 3          | 2°39          | 3°17  | 24°18          | S 26 |
| S 27 | 0 20 36  | 3°15'16          | 2 <b>8</b> 22   | 25°51          | 20°18          | 6°13           | 21°55  | 12°31          | 4°28          | 29°45           | 6°52          | 3°59          | 2°36          | 3°23  | 24°25          | S 27 |
| M28  | 0 24 33  | 4°14'08          | 15° 1           | 25°59          | 21°33          | 6°52           | 22° 3  | 12°31          | 4°27          | 29°47           | 6°53          | 3°54          | 2°33          | 3°30  | 24°32          | M28  |
| T 29 | 0 28 29  | 5°13'01          | 27°24           | 26°R 0         | 22°47          | 7°31           | 22°11  | 12°31          | 4°26          | 29°50           | 6°54          | 3°49          | 2°29          | 3°37  | 24°38          | T 29 |
| W30  | 0 32 26  | 6 <b>≏</b> 11'57 | 9∏34            | 25 <b>≙</b> 54 | 24 Mg 2        | 8 <b>亞</b> 11  | 22918  | 12 <b>Ⅱ</b> 30 | 4 <b>Ⅱ</b> 26 | 29 <b>m</b> 52  | 6 <b>Ω</b> 55 | 3 <b>M</b> 45 | 2 Mp 26       | 39543 | 24 <b>Ω</b> 45 | W30  |

Delta T = 25.73 sec

OCTOBER 1942 00:00 UT

| Day  | Sid.t   | $\odot$          | D              | φ              | φ              | o <sup>7</sup> | 24     | ħ              | )∤(           | ¥              | 5             | P             | Ω              | ţ      | δ              | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|--------|----------------|---------------|----------------|---------------|---------------|----------------|--------|----------------|------|
| T 1  | 0 36 22 | 7 <b>≏</b> 10'55 | 21 <b>Ⅲ</b> 33 | 25°R41         | 25 <b>m</b> 17 | 8 <u>₽</u> 50  | 229526 | 12°R30         | 4°R25         | 29 <b>m</b> 54 | 6 <b>N</b> 56 | 3°R42         | 2 Mp 23        | 3950   | 24€52          | T 1  |
| F 2  | 0 40 19 | 8° 9'56          | 39526          | 25 <b>≏</b> 20 | 26°31          | 9°29           | 22°33  | 12 <b>Ⅱ</b> 29 | 4 <b>Ⅱ</b> 23 | 29°56          | 6°57          | 3°D41         | 2°20           | 3°57   | 24°58          | F 2  |
| S 3  | 0 44 16 | 9° 8'59          | 15°18          | 24°52          | 27°46          | 10° 8          | 22°41  | 12°28          | 4°22          | 29°58          | 6°58          | 3 <b>m</b> 41 | 2°17           | 4° 4   | 25° 5          | S 3  |
| S 4  | 0 48 12 | 10° 8'04         | 27°13          | 24°16          | 29° 1          | 10°48          | 22°48  | 12°27          | 4°21          | 0요 1           | 6°59          | 3°42          | 2°14           | 4°10   | 25°11          | S 4  |
| M 5  | 0 52 9  | 11° 7'11         | 9 <b>Ω</b> 16  | 23°32          | 0 <b>ჲ</b> 16  | 11°27          | 22°55  | 12°26          | 4°20          | 0° 3           | 7° 0          | 3°44          | 2°10           | 4°17   | 25°18          | M 5  |
| T 6  | 0 56 5  | 12° 6'21         | 21°33          | 22°41          | 1°31           | 12° 6          | 23° 1  | 12°25          | 4°19          | 0° 5           | 7° 1          | 3°45          | 2° 7           | 4°24   | 25°24          | T 6  |
| W 7  | 1 0 2   | 13° 5'33         | 4 Mp 6         | 21°44          | 2°45           | 12°46          | 23° 8  | 12°24          | 4°18          | 0° 7           | 7° 1          | 3°R46         | 2° 4           | 4°30   | 25°30          | W 7  |
| T 8  | 1 3 58  | 14° 4'47         | 17° 0          | 20°41          | 4° 0           | 13°25          | 23°15  | 12°23          | 4°16          | 0° 9           | 7° 2          | 3°45          | 2° 1           | 4°37   | 25°36          | T 8  |
| F 9  | 1 7 55  | 15° 4'03         | 0₽15           | 19°33          | 5°15           | 14° 5          | 23°21  | 12°21          | 4°15          | 0°12           | 7° 3          | 3°42          | 1°58           | 4°44   | 25°42          | F 9  |
| S 10 | 1 11 51 | 16° 3'21         | 13°52          | 18°23          | 6°30           | 14°44          | 23°27  | 12°20          | 4°13          | 0°14           | 7° 4          | 3°38          | 1°55           | 4°50   | 25°49          | S 10 |
| S 11 | 1 15 48 | 17° 2'42         | 27°47          | 17°11          | 7°45           | 15°24          | 23°33  | 12°18          | 4°12          | 0°16           | 7° 5          | 3°31          | 1°51           | 4°57   | 25°55          | S 11 |
| M12  | 1 19 45 | 18° 2'04         | 11 <b>M</b> 58 | 16° 0          | 9° 0           | 16° 3          | 23°39  | 12°16          | 4°11          | 0°18           | 7° 5          | 3°24          | 1°48           | 5° 4   | 26° 1          | M12  |
| T 13 | 1 23 41 | 19° 1'28         | 26°18          | 14°52          | 10°15          | 16°43          | 23°45  | 12°14          | 4° 9          | 0°20           | 7° 6          | 3°17          | 1°45           | 5°11   | 26° 6          | T 13 |
| W14  | 1 27 38 | 20° 0'55         | 10 <b>∡</b> 42 | 13°49          | 11°30          | 17°23          | 23°50  | 12°12          | 4° 7          | 0°22           | 7° 7          | 3°10          | 1°42           | 5°17   | 26°12          | W14  |
| T 15 | 1 31 34 | 21° 0'23         | 25° 5          | 12°53          | 12°45          | 18° 2          | 23°56  | 12°10          | 4° 6          | 0°24           | 7° 7          | 3° 6          | 1°39           | 5°24   | 26°18          | T 15 |
| F 16 | 1 35 31 | 21°59'52         | 9 <b>군</b> 23  | 12° 5          | 14° 0          | 18°42          | 24° 1  | 12° 8          | 4° 4          | 0°27           | 7° 8          | 3° 3          | 1°35           | 5°31   | 26°24          | F 16 |
| S 17 | 1 39 27 | 22°59'24         | 23°33          | 11°27          | 15°15          | 19°22          | 24° 6  | 12° 6          | 4° 2          | 0°29           | 7° 9          | 3°D 2         | 1°32           | 5°37   | 26°29          | S 17 |
| S 18 | 1 43 24 | 23°58'57         | 7≈33           | 10°59          | 16°30          | 20° 2          | 24°11  | 12° 3          | 4° 1          | 0°31           | 7° 9          | 3° 3          | 1°29           | 5°44   | 26°35          | S 18 |
| M19  | 1 47 20 | 24°58'32         | 21°23          | 10°42          | 17°45          | 20°41          | 24°16  | 12° 1          | 3°59          | 0°33           | 7°10          | 3° 4          | 1°26           | 5°51   | 26°40          | M19  |
| T 20 | 1 51 17 | 25°58'09         | 5 <b>)</b> 3   | 10°D36         | 19° 0          | 21°21          | 24°20  | 11°58          | 3°57          | 0°35           | 7°10          | 3°R 4         | 1°23           | 5°57   | 26°46          | T 20 |
| W21  | 1 55 14 | 26°57'47         | 18°33          | 10°41          | 20°15          | 22° 1          | 24°25  | 11°56          | 3°55          | 0°37           | 7°11          | 3° 3          | 1°20           | 6° 4   | 26°51          | W21  |
| T 22 | 1 59 10 | 27°57'27         | 1 <b>Υ</b> 52  | 10°57          | 21°30          | 22°41          | 24°29  | 11°53          | 3°53          | 0°39           | 7°11          | 3° 0          | 1°16           | 6°11   | 26°56          | T 22 |
| F 23 | 2 3 7   | 28°57'09         | 15° 0          | 11°24          | 22°46          | 23°21          | 24°33  | 11°50          | 3°52          | 0°41<br>0°43   | 7°12          | 2°54          | 1°13           | 6°18   | 27° 2          | F 23 |
| S 24 | 2 7 3   | 29°56'53         | 27°56          | 11°59          | 24° 1          | 24° 1          | 24°37  | 11°47          | 3°50          | 0-43           | 7°12          | 2°45          | 1°10           | 6°24   | 27° 7          | S 24 |
| S 25 | 2 11 0  | 0 <b>M</b> 56'39 | 10839          | 12°44          | 25°16          | 24°41          | 24°40  | 11°44          | 3°48          | 0°45           | 7°13          | 2°35          | 1° 7           | 6°31   | 27°12          | S 25 |
| M26  | 2 14 56 | 1°56'27          | 23°10          | 13°36          | 26°31          | 25°21          | 24°44  | 11°41          | 3°46          | 0°47           | 7°13          | 2°24          | 1° 4           | 6°38   | 27°17          | M26  |
| T 27 | 2 18 53 | 2°56'17          | 5 <b>Ⅱ</b> 27  | 14°36          | 27°46          | 26° 1          | 24°47  | 11°38          | 3°44          | 0°49           | 7°13          | 2°13          | 1° 0           | 6°44   | 27°21          | T 27 |
| W28  | 2 22 49 | 3°56'09          | 17°33          | 15°41          | 29° 1          | 26°41          | 24°50  | 11°35          | 3°42          | 0°51           | 7°14          | 2° 3          | 0°57           | 6°51   | 27°26          | W28  |
| T 29 | 2 26 46 | 4°56'03          | 29°30          | 16°52          | 0ML17          | 27°21          | 24°53  | 11°31          | 3°39          | 0°53           | 7°14          | 1°55          | 0°54           | 6°58   | 27°31          | T 29 |
| F 30 | 2 30 43 | 5°56'00          | 119521         | 18° 8          | 1°32           | 28° 2          | 24°56  | 11°28          | 3°37          | 0°55           | 7°14          | 1°49          | 0°51           | 7° 4   | 27°36          | F 30 |
| S 31 | 2 34 39 | 6M55'58          | 239511         | 19 <b>≙</b> 27 | 2 <b>M</b> 47  | 28 <b>≏</b> 42 | 249559 | 11 <b>Ⅱ</b> 24 | 3 <b>Ⅱ</b> 35 | 0 <b>쇼</b> 57  | $7\Omega$ 14  | 1 <b>M</b> 46 | 0 <b>m</b> /48 | 79 । । | 27 <b>Ω</b> 40 | S 31 |

Delta T = 25.78 sec

NOVEMBER 1942 00:00 UT

| Day  | Sid.t   | 0                  | D              | ğ              | φ              | ♂ <sup>™</sup> | 4      | ħ               | )Å(            | ¥             | Р             | n              | v              | Ç              | ę,             | Day  |
|------|---------|--------------------|----------------|----------------|----------------|----------------|--------|-----------------|----------------|---------------|---------------|----------------|----------------|----------------|----------------|------|
| S 1  | 2 38 36 | 7 <b>11</b> 655'59 | 5 <b>Ω</b> 3   | 20 <b>♀</b> 50 | 4M 2           | 29 <b>≙</b> 22 | 2599 1 | 11°R21          | 3°R33          | 0 <b>ჲ</b> 59 | 7 <b>Ω</b> 15 | 1°D45          | 0 <b>m</b> 45  | 7 <b>9</b> 518 | 27 <b>Ω</b> 45 | S 1  |
| M 2  | 2 42 32 | 8°56'01            | 17° 4          | 22°16          | 5°18           | OM 2           | 25° 3  | 11 <b>I</b> I17 | 3 <b>II</b> 31 | 1° 0          | 7°15          | 1 <b>m</b> 45  | 0°41           | 7°24           | 27°49          | M 2  |
| T 3  | 2 46 29 | 9°56'06            | 29°19          | 23°44          | 6°33           | 0°43           | 25° 5  | 11°13           | 3°29           | 1° 2          | 7°15          | 1°R46          | 0°38           | 7°31           | 27°53          | T 3  |
| W 4  | 2 50 25 | 10°56'13           | 11 <b>m</b> 53 | 25°14          | 7°48           | 1°23           | 25° 7  | 11° 9           | 3°26           | 1° 4          | 7°15          | 1°45           | 0°35           | 7°38           | 27°57          | W 4  |
| T 5  | 2 54 22 | 11°56'22           | 24°50          | 26°46          | 9° 4           | 2° 3           | 25° 9  | 11° 5           | 3°24           | 1° 6          | 7°15          | 1°43           | 0°32           | 7°45           | 28° 2          | T 5  |
| F 6  | 2 58 18 | 12°56'33           | 8 <b>₾</b> 13  | 28°19          | 10°19          | 2°44           | 25°10  | 11° 1           | 3°22           | 1°8           | 7°15          | 1°38           | 0°29           | 7°51           | 28° 6          | F 6  |
| S 7  | 3 2 15  | 13°56'46           | 22° 4          | 29°53          | 11°34          | 3°24           | 25°11  | 10°57           | 3°19           | 1° 9          | 7°15          | 1°31           | 0°26           | 7°58           | 28° 9          | S 7  |
| S 8  | 3 6 11  | 14°57'01           | 6 <b>M</b> 19  | 1 <b>M</b> 28  | 12°50          | 4° 5           | 25°12  | 10°53           | 3°17           | 1°11          | 7°15          | 1°21           | 0°22           | 8° 5           | 28°13          | S 8  |
| M 9  | 3 10 8  | 15°57'18           | 20°54          | 3° 3           | 14° 5          | 4°46           | 25°13  | 10°49           | 3°15           | 1°13          | 7°R15         | 1° 9           | 0°19           | 8°11           | 28°17          | M 9  |
| T 10 | 3 14 5  | 16°57'37           | 5 <b>₹</b> 42  | 4°39           | 15°20          | 5°26           | 25°14  | 10°45           | 3°12           | 1°15          | 7°15          | 0°58           | 0°16           | 8°18           | 28°21          | T 10 |
| W11  | 3 18 1  | 17°57'57           | 20°34          | 6°15           | 16°36          | 6° 7           | 25°14  | 10°41           | 3°10           | 1°16          | 7°15          | 0°48           | 0°13           | 8°25           | 28°24          | W11  |
| T 12 | 3 21 58 | 18°58'19           | 5 <b>る</b> 21  | 7°52           | 17°51          | 6°47           | 25°14  | 10°36           | 3° 8           | 1°18          | 7°15          | 0°39           | 0°10           | 8°31           | 28°28          | T 12 |
| F 13 | 3 25 54 | 19°58'42           | 19°56          | 9°28           | 19° 6          | 7°28           | 25°R14 | 10°32           | 3° 5           | 1°19          | 7°15          | 0°34           | 0° 6           | 8°38           | 28°31          | F 13 |
| S 14 | 3 29 51 | 20°59'07           | 4≈16           | 11° 5          | 20°22          | 8° 9           | 25°14  | 10°27           | 3° 3           | 1°21          | 7°15          | 0°31           | 0° 3           | 8°45           | 28°34          | S 14 |
| S 15 | 3 33 47 | 21°59'33           | 18°17          | 12°41          | 21°37          | 8°50           | 25°14  | 10°23           | 3° 0           | 1°23          | 7°15          | 0°D31          | 0° 0           | 8°52           | 28°37          | S 15 |
| M16  | 3 37 44 | 23° 0'00           | 2 <b>)</b> 0   | 14°18          | 22°52          | 9°30           | 25°13  | 10°18           | 2°58           | 1°24          | 7°15          | 0°R31          | 29 <b>Ω</b> 57 | 8°58           | 28°40          | M16  |
| T 17 | 3 41 41 | 24° 0'28           | 15°27          | 15°54          | 24° 8          | 10°11          | 25°12  | 10°14           | 2°55           | 1°26          | 7°15          | 0°30           | 29°54          | 9° 5           | 28°43          | T 17 |
| W18  | 3 45 37 | 25° 0'58           | 28°38          | 17°30          | 25°23          | 10°52          | 25°11  | 10° 9           | 2°53           | 1°27          | 7°14          | 0°28           | 29°51          | 9°12           | 28°46          | W18  |
| T 19 | 3 49 34 | 26° 1'29           | 11 <b>Y</b> 37 | 19° 6          | 26°39          | 11°33          | 25°10  | 10° 4           | 2°50           | 1°29          | 7°14          | 0°23           | 29°47          | 9°18           | 28°49          | T 19 |
| F 20 | 3 53 30 | 27° 2'01           | 24°24          | 20°42          | 27°54          | 12°14          | 25° 9  | 10° 0           | 2°48           | 1°30          | 7°14          | 0°14           | 29°44          | 9°25           | 28°52          | F 20 |
| S 21 | 3 57 27 | 28° 2'35           | 7 <b>8</b> 0   | 22°18          | 29° 9          | 12°55          | 25° 7  | 9°55            | 2°45           | 1°32          | 7°13          | 0° 3           | 29°41          | 9°32           | 28°54          | S 21 |
| S 22 | 4 1 23  | 29° 3'10           | 19°27          | 23°54          | 0 <b>∡</b> 125 | 13°36          | 25° 5  | 9°50            | 2°43           | 1°33          | 7°13          | 29 <b>Q</b> 50 | 29°38          | 9°38           | 28°57          | S 22 |
| M23  | 4 5 20  | 0 <b>₮</b> 3'46    | 1 <b>Ⅱ</b> 45  | 25°29          | 1°40           | 14°17          | 25° 4  | 9°45            | 2°40           | 1°34          | 7°13          | 29°35          | 29°35          | 9°45           | 28°59          | M23  |
| T 24 | 4 9 16  | 1° 4'24            | 13°53          | 27° 4          | 2°56           | 14°58          | 25° 1  | 9°41            | 2°38           | 1°36          | 7°12          | 29°21          | 29°32          | 9°52           | 29° 1          | T 24 |
| W25  | 4 13 13 | 2° 5'04            | 25°53          | 28°39          | 4°11           | 15°39          | 24°59  | 9°36            | 2°35           | 1°37          | 7°12          | 29° 7          | 29°28          | 9°58           | 29° 3          | W25  |
| T 26 | 4 17 9  | 3° 5'45            | 79547          | 0 <b>才</b> 14  | 5°26           | 16°21          | 24°56  | 9°31            | 2°33           | 1°38          | 7°11          | 28°56          | 29°25          | 10° 5          | 29° 5          | T 26 |
| F 27 | 4 21 6  | 4° 6'27            | 19°36          | 1°49           | 6°42           | 17° 2          | 24°54  | 9°26            | 2°30           | 1°40          | 7°11          | 28°48          | 29°22          | 10°12          | 29° 7          | F 27 |
| S 28 | 4 25 3  | 5° 7'11            | 1 <b>Ω</b> 24  | 3°24           | 7°57           | 17°43          | 24°51  | 9°21            | 2°28           | 1°41          | 7°10          | 28°43          | 29°19          | 10°19          | 29° 9          | S 28 |
| S 29 | 4 28 59 | 6° 7'56            | 13°15          | 4°58           | 9°13           | 18°24          | 24°48  | 9°16            | 2°25           | 1°42          | 7°10          | 28°40          | 29°16          | 10°25          | 29°11          | S 29 |
| M30  | 4 32 56 | 7 <b>.</b> ₹ 8'43  | 25 <b>Ω</b> 13 | 6 <b>₹</b> 32  | 10 <b>∡</b> 28 | 19 <b>M</b> 6  | 249544 | 9 <b>Ⅱ</b> 11   | 2 <b>Ⅱ</b> 23  | 1 <b>≏</b> 43 | 7 <b>Ω</b> 9  | 28°D39         | 29 <b>Ω</b> 12 | 10932          | 29 <b>Ω</b> 12 | M30  |

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| Day  | Sid.t   | $\odot$           | 2)              | ·              | Ŷ              | o'              | 4      | η             | ∦(             | #             | P             | <b>γ</b> -y   | 83            | \$     | δ              | Day  |
|------|---------|-------------------|-----------------|----------------|----------------|-----------------|--------|---------------|----------------|---------------|---------------|---------------|---------------|--------|----------------|------|
| T 1  | 4 36 52 | 8 <b>.</b> ₹ 9'31 | 7 <b>m</b> 24   | 8 <b>√</b> 7   | 11 <b>~</b> 43 | 19 <b>M</b> 47  | 24°R41 | 9°R 6         | 2°R20          | 1 <b>≏</b> 44 | 7°R 9         | 28°R39        | 29Ω9          | 10939  | 29 <b>Ω</b> 14 | T 1  |
| W 2  | 4 40 49 | 9°10'21           | 19°53           | 9°41           | 12°59          | 20°29           | 24937  | 9 <b>I</b> 1  | 2Ⅱ18           | 1°45          | 7 <b>Ω</b> 8  | $28\Omega 39$ | 29° 6         | 10°45  | 29°15          | W 2  |
| T 3  | 4 44 45 | 10°11'12          | 2 <b>≏</b> 46   | 11°15          | 14°14          | 21°10           | 24°33  | 8°56          | 2°15           | 1°46          | 7° 8          | 28°37         | 29° 3         | 10°52  | 29°16          | T 3  |
| F 4  | 4 48 42 | 11°12'05          | 16° 6           | 12°49          | 15°30          | 21°52           | 24°29  | 8°51          | 2°13           | 1°48          | 7° 7          | 28°33         | 29° 0         | 10°59  | 29°17          | F 4  |
| S 5  | 4 52 38 | 12°12'59          | 29°56           | 14°24          | 16°45          | 22°33           | 24°25  | 8°47          | 2°10           | 1°49          | 7° 6          | 28°26         | 28°57         | 11° 5  | 29°18          | S 5  |
| S 6  | 4 56 35 | 13°13'54          | 14 <b>M</b> .16 | 15°58          | 18° 1          | 23°15           | 24°20  | 8°42          | 2° 8           | 1°50          | 7° 6          | 28°17         | 28°53         | 11°12  | 29°19          | S 6  |
| M 7  | 5 0 32  | 14°14'50          | 29° 2           | 17°32          | 19°16          | 23°56           | 24°16  | 8°37          | 2° 5           | 1°50          | 7° 5          | 28° 6         | 28°50         | 11°19  | 29°20          | M 7  |
| T 8  | 5 4 28  | 15°15'48          | 14 <b>×7</b> 5  | 19° 6          | 20°31          | 24°38           | 24°11  | 8°32          | 2° 3           | 1°51          | 7° 4          | 27°54         | 28°47         | 11°25  | 29°21          | T 8  |
| W 9  | 5 8 25  | 16°16'47          | 29°18           | 20°40          | 21°47          | 25°20           | 24° 6  | 8°27          | 2° 0           | 1°52          | 7° 3          | 27°44         | 28°44         | 11°32  | 29°21          | W 9  |
| T 10 | 5 12 21 | 17°17'46          | 14 <b>る</b> 28  | 22°14          | 23° 2          | 26° 1           | 24° 1  | 8°22          | 1°58           | 1°53          | 7° 3          | 27°36         | 28°41         | 11°39  | 29°22          | T 10 |
| F 11 | 5 16 18 | 18°18'46          | 29°25           | 23°49          | 24°18          | 26°43           | 23°56  | 8°17          | 1°56           | 1°54          | 7° 2          | 27°30         | 28°38         | 11°45  | 29°22          | F 11 |
| S 12 | 5 20 14 | 19°19'47          | 14 <b>≈</b> 3   | 25°23          | 25°33          | 27°25           | 23°50  | 8°13          | 1°53           | 1°55          | 7° 1          | 27°27         | 28°34         | 11°52  | 29°22          | S 12 |
| S 13 | 5 24 11 | 20°20'49          | 28°17           | 26°57          | 26°49          | 28° 7           | 23°45  | 8° 8          | 1°51           | 1°56          | 7° 0          | 27°D27        | 28°31         | 11°59  | 29°23          | S 13 |
| M14  | 5 28 8  | 21°21'50          | 12 <b>) 7</b>   | 28°32          | 28° 4          | 28°49           | 23°39  | 8° 3          | 1°48           | 1°56          | 6°59          | 27°27         | 28°28         | 12° 6  | 29°R23         | M14  |
| T 15 | 5 32 4  | 22°22'52          | 25°34           | 0 රි ර         | 29°20          | 29°31           | 23°33  | 7°58          | 1°46           | 1°57          | 6°58          | 27°R27        | 28°25         | 12°12  | 29°23          | T 15 |
| W16  | 5 36 1  | 23°23'55          | 8 <b>Ƴ</b> 39   | 1°41           | 0 <b>궁</b> 35  | 0 <b>∡</b> 13   | 23°27  | 7°54          | 1°44           | 1°58          | 6°57          | 27°26         | 28°22         | 12°19  | 29°22          | W16  |
| T 17 | 5 39 57 | 24°24'58          | 21°28           | 3°16           | 1°50           | 0°54            | 23°21  | 7°49          | 1°42           | 1°58          | 6°57          | 27°23         | 28°18         | 12°26  | 29°22          | T 17 |
| F 18 | 5 43 54 | 25°26'01          | 4 <b>8</b> 1    | 4°51           | 3° 6           | 1°37            | 23°14  | 7°44          | 1°39           | 1°59          | 6°56          | 27°17         | 28°15         | 12°32  | 29°22          | F 18 |
| S 19 | 5 47 50 | 26°27'05          | 16°23           | 6°25           | 4°21           | 2°19            | 23° 8  | 7°40          | 1°37           | 1°59          | 6°55          | 27° 8         | 28°12         | 12°39  | 29°21          | S 19 |
| S 20 | 5 51 47 | 27°28'10          | 28°36           | 8° 0           | 5°37           | 3° 1            | 23° 1  | 7°35          | 1°35           | 2° 0          | 6°54          | 26°57         | 28° 9         | 12°46  | 29°20          | S 20 |
| M21  | 5 55 43 | 28°29'14          | 10 <b>Ⅱ</b> 41  | 9°35           | 6°52           | 3°43            | 22°55  | 7°31          | 1°33           | 2° 0          | 6°53          | 26°46         | 28° 6         | 12°52  | 29°20          | M21  |
| T 22 | 5 59 40 | 29°30'19          | 22°40           | 11°10          | 8° 7           | 4°25            | 22°48  | 7°27          | 1°31           | 2° 1          | 6°52          | 26°34         | 28° 3         | 12°59  | 29°19          | T 22 |
| W23  | 6 3 37  | 0중31'25           | 4934            | 12°44          | 9°23           | 5° 7            | 22°41  | 7°22          | 1°28           | 2° 1          | 6°51          | 26°23         | 27°59         | 13° 6  | 29°18          | W23  |
| T 24 | 6 7 33  | 1°32'31           | 16°25           | 14°19          | 10°38          | 5°49            | 22°34  | 7°18          | 1°26           | 2° 2          | 6°49          | 26°14         | 27°56         | 13°12  | 29°17          | T 24 |
| F 25 | 6 11 30 | 2°33'38           | 28°14           | 15°53          | 11°54          | 6°32            | 22°27  | 7°14          | 1°24           | 2° 2          | 6°48          | 26° 7         | 27°53         | 13°19  | 29°15          | F 25 |
| S 26 | 6 15 26 | 3°34'45           | 10 <b>0</b> 3   | 17°27          | 13° 9          | 7°14            | 22°19  | 7°10          | 1°22           | 2° 2          | 6°47          | 26° 3         | 27°50         | 13°26  | 29°14          | S 26 |
| S 27 | 6 19 23 | 4°35'52           | 21°56           | 19° 1          | 14°24          | 7°56            | 22°12  | 7° 6          | 1°20           | 2° 3          | 6°46          | 26°D 2        | 27°47         | 13°32  | 29°13          | S 27 |
| M28  | 6 23 19 | 5°37'00           | 3 <b>m</b> 56   | 20°34          | 15°40          | 8°39            | 22° 5  | 7° 2          | 1°18           | 2° 3          | 6°45          | 26° 2         | 27°44         | 13°39  | 29°11          | M28  |
| T 29 | 6 27 16 | 6°38'08           | 16° 7           | 22° 6          | 16°55          | 9°21            | 21°57  | 6°58          | 1°16           | 2° 3          | 6°44          | 26° 3         | 27°40         | 13°46  | 29°10          | T 29 |
| W30  | 6 31 12 | <u>7</u> °39'17   | 28°33           | 2 <u>3</u> °37 | 1 <u>8</u> °10 | 10° 4           | 21°50  | 6°54          | 1°14           | 2° 3          | 6°43          | 26° 5         | 27°37         | 13°52  | 29° 8          | W30  |
| T 31 | 6 35 9  | 8 <b>ප්</b> 40'26 | 11 <b>≏</b> 21  | 25 <b>궁</b> 8  | 19 <b>궁</b> 26 | 10 <b>∡</b> 746 | 219542 | 6 <b>Ⅱ</b> 50 | 1 <b>I</b> I13 | 2 <b>₾</b> 3  | 6 <b>Ω</b> 42 | 26°R 5        | $27\Omega 34$ | 139559 | 29 <b>N</b> 6  | T 31 |

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|--|---|---|--|---|--|---|---|--|--|--|--|--|--|---|--|--|
| F 1<br>S 2   | 6 39 6<br>6 43 2  | 9 <b>ට</b> 41'35<br>10°42'45  | 24 <b>\Omega</b> 33<br>8 <b>M</b> 14   | 26 <b>ට</b> 37<br>28° 5                                   | 20 <b>ට</b> 41<br>21°56  | 11 <b>∡</b> 729<br>12°12  | 21°R34<br>21©26   | 6°R46<br>6 <b>Ⅱ</b> 43                               | 1°R11<br>1 <b>Ⅱ</b> 9                                | 2 <u>a</u> 4<br>2° 4                                 | 6°R40<br>6 <b>Ω</b> 39                               | 26°R 4<br>26 <b>Ω</b> 1  | 27 <b>Ω</b> 31<br>27°28  | 1495 6<br>14°13   | 29°R 4<br>29 <b>Ω</b> 2  | F 1<br>S 2   |
| S 3<br>M 4<br>T 5<br>W 6<br>T 7<br>F 8<br>S 9              | 6 46 59<br>6 50 55<br>6 54 52<br>6 58 48<br>7 2 45<br>7 6 41<br>7 10 38             | 11°43'56<br>12°45'06<br>13°46'17<br>14°47'28<br>15°48'39<br>16°49'50<br>17°51'00      | 22°24<br>7₹ 2<br>22° 2<br>7₹16<br>22°35<br>7≈45<br>22°40                           | 29°30<br>0≈54<br>2°14<br>3°32<br>4°45<br>5°54<br>6°58     | 23°12<br>24°27<br>25°42<br>26°58<br>28°13<br>29°28<br>0≈44           | 12°54<br>13°37<br>14°20<br>15° 2<br>15°45<br>16°28<br>17°11     | 21°18<br>21°10<br>21°2<br>20°54<br>20°46<br>20°38<br>20°30  | 6°39<br>6°35<br>6°32<br>6°29<br>6°25<br>6°22<br>6°19 | 1° 7<br>1° 5<br>1° 4<br>1° 2<br>1° 1<br>0°59<br>0°58 | 2° 4<br>2°R 4<br>2° 4<br>2° 4<br>2° 3<br>2° 3        | 6°38<br>6°37<br>6°35<br>6°34<br>6°33<br>6°32<br>6°30 | 25°56<br>25°49<br>25°42<br>25°36<br>25°31<br>25°28<br>25°D27           | 27°24<br>27°21<br>27°18<br>27°15<br>27°12<br>27° 9<br>27° 5                        | 14°19<br>14°26<br>14°33<br>14°39<br>14°46<br>14°53<br>14°59 | 29° 0<br>28°58<br>28°55<br>28°53<br>28°50<br>28°48<br>28°45          | S 3<br>M 4<br>T 5<br>W 6<br>T 7<br>F 8<br>S 9              |
| S 10<br>M11<br>T 12<br>W13<br>T 14<br>F 15<br>S 16         | 7 14 35<br>7 18 31<br>7 22 28<br>7 26 24<br>7 30 21<br>7 34 17<br>7 38 14           | 18°52'10<br>19°53'20<br>20°54'28<br>21°55'36<br>22°56'44<br>23°57'51<br>24°58'57      | 7 <del>11</del> 21°15<br>4 <b>Y</b> 52<br>18° 3<br>0 <b>∀</b> 52<br>13°22<br>25°38 | 7°56<br>8°47<br>9°31<br>10° 6<br>10°31<br>10°46<br>10°R50 | 1°59<br>3°14<br>4°30<br>5°45<br>7° 0<br>8°15<br>9°31                 | 17°54<br>18°37<br>19°20<br>20° 3<br>20°46<br>21°29<br>22°12     | 20°22<br>20°14<br>20° 6<br>19°58<br>19°50<br>19°42<br>19°34 | 6°16<br>6°13<br>6°11<br>6° 8<br>6° 5<br>6° 3<br>6° 1 | 0°56<br>0°55<br>0°53<br>0°52<br>0°51<br>0°49<br>0°48 | 2° 3<br>2° 3<br>2° 3<br>2° 2<br>2° 2<br>2° 2<br>2° 1 | 6°29<br>6°28<br>6°27<br>6°25<br>6°24<br>6°23<br>6°21 | 25°27<br>25°28<br>25°30<br>25°R31<br>25°31<br>25°29<br>25°26           | 27° 2<br>26°59<br>26°56<br>26°53<br>26°50<br>26°46<br>26°43                        | 15° 6<br>15°13<br>15°19<br>15°26<br>15°33<br>15°39<br>15°46 | 28°42<br>28°39<br>28°36<br>28°33<br>28°30<br>28°27<br>28°24          | S 10<br>M11<br>T 12<br>W13<br>T 14<br>F 15<br>S 16         |
| S 17<br>M18<br>T 19<br>W20<br>T 21<br>F 22<br>S 23         | 7 42 10<br>7 46 7<br>7 50 4<br>7 54 0<br>7 57 57<br>8 1 53<br>8 5 50                | 26° 0'02<br>27° 1'07<br>28° 2'11<br>29° 3'15<br>0≈ 4'17<br>1° 5'19<br>2° 6'20         | 7∏43<br>19°40<br>1⊚32<br>13°22<br>25°12<br>7€ 3<br>18°58                           | 10°43<br>10°24<br>9°53<br>9°11<br>8°19<br>7°18<br>6°10    | 10°46<br>12° 1<br>13°16<br>14°31<br>15°46<br>17° 2<br>18°17          | 22°55<br>23°38<br>24°22<br>25° 5<br>25°48<br>26°32<br>27°15     | 19°26<br>19°18<br>19°10<br>19°2<br>18°54<br>18°46<br>18°39  | 5°58<br>5°56<br>5°54<br>5°52<br>5°50<br>5°48<br>5°47 | 0°47<br>0°46<br>0°45<br>0°44<br>0°43<br>0°42<br>0°41 | 2° 1<br>2° 0<br>2° 0<br>1°59<br>1°59<br>1°58         | 6°20<br>6°19<br>6°17<br>6°16<br>6°14<br>6°13<br>6°12 | 25°21<br>25°16<br>25°11<br>25° 6<br>25° 2<br>25° 0<br>24°58            | 26°40<br>26°37<br>26°34<br>26°30<br>26°27<br>26°24<br>26°21                        | 15°53<br>15°59<br>16° 6<br>16°13<br>16°19<br>16°26<br>16°33 | 28°20<br>28°17<br>28°13<br>28°10<br>28° 6<br>28° 2<br>27°58          | S 17<br>M18<br>T 19<br>W20<br>T 21<br>F 22<br>S 23         |
| S 24<br>M25<br>T 26<br>W27<br>T 28<br>F 29<br>S 30<br>S 31 | 8 9 46<br>8 13 43<br>8 17 39<br>8 21 36<br>8 25 33<br>8 29 29<br>8 33 26<br>8 37 22 | 3° 7'21<br>4° 8'21<br>5° 9'20<br>6°10'19<br>7°11'17<br>8°12'14<br>9°13'11<br>10≈14'07 | 0 m 59<br>13° 7<br>25°26<br>7 • 59<br>20°48<br>3 m 58<br>17°30                     | 4°57<br>3°41<br>2°25<br>1°10<br>29♂59<br>28°54<br>27°55   | 19°32<br>20°47<br>22° 2<br>23°17<br>24°32<br>25°47<br>27° 2<br>28≈17 | 27°58<br>28°42<br>29°25<br>0 <b>ろ</b> 9<br>0°52<br>1°36<br>2°20 | 18°31<br>18°24<br>18°16<br>18° 9<br>18° 1<br>17°54<br>17°47 | 5°45<br>5°44<br>5°42<br>5°41<br>5°40<br>5°39<br>5°38 | 0°40<br>0°40<br>0°39<br>0°38<br>0°38<br>0°37<br>0°37 | 1°57<br>1°56<br>1°55<br>1°55<br>1°54<br>1°53<br>1°52 | 6°10<br>6°9<br>6°8<br>6°6<br>6°5<br>6°3<br>6°2       | 24°D58<br>24°59<br>25° 1<br>25° 2<br>25° 4<br>25°R 4<br>25° 4<br>25Ω 3 | 26°18<br>26°15<br>26°11<br>26° 8<br>26° 5<br>26° 2<br>25°59<br>25 <b>\Omega</b> 56 | 16°39<br>16°46<br>16°53<br>17° 0<br>17° 6<br>17°13<br>17°20 | 27°54<br>27°50<br>27°46<br>27°42<br>27°38<br>27°34<br>27°30<br>27Ω26 | S 24<br>M25<br>T 26<br>W27<br>T 28<br>F 29<br>S 30<br>S 31 |

Delta T = 25.92 sec

FEBRUARY 1943 00:00 UT

| Day  | Sid.t    | 0                 | D               | ğ              | φ              | ♂              | 4      | ħ              | )Å(           | 卉             | Р             | ß             | ß              | Ç     | ę,             | Day  |
|------|----------|-------------------|-----------------|----------------|----------------|----------------|--------|----------------|---------------|---------------|---------------|---------------|----------------|-------|----------------|------|
| M 1  | 8 41 19  | 11≈15'02          | 15 <b>∡</b> 746 | 26°R21         | 29≈32          | 3 <b>궁</b> 47  | 17°R33 | 5°R37          | 0°R36         | 1°R51         | 5°R59         | 25°R 2        | 25 <b>Ω</b> 52 | 17933 | 27°R21         | M 1  |
| T 2  | 8 45 15  | 12°15'57          | 0 <b>궁</b> 28   | 25 <b>る</b> 48 | 0 <b>)</b> €47 | 4°31           | 179526 | 5 <b>Ⅱ</b> 36  | 0Д35          | 1 <b>≏</b> 50 | 5 <b>Ω</b> 58 | 25 <b>Ω</b> 0 | 25°49          | 17°40 | 27 <b>Ω</b> 17 | T 2  |
| W 3  | 8 49 12  | 13°16'51          | 15°25           | 25°22          | 2° 2           | 5°14           | 17°20  | 5°36           | 0°35          | 1°49          | 5°57          | 24°59         | 25°46          | 17°46 | 27°12          | W 3  |
| T 4  | 8 53 8   | 14°17'44          | 0≈31            | 25° 5          | 3°17           | 5°58           | 17°13  | 5°35           | 0°35          | 1°48          | 5°55          | 24°58         | 25°43          | 17°53 | 27° 8          | T 4  |
| F 5  | 8 57 5   | 15°18'36          | 15°37           | 24°57          | 4°31           | 6°42           | 17° 7  | 5°35           | 0°35          | 1°47          | 5°54          | 24°57         | 25°40          | 18° 0 | 27° 4          | F 5  |
| S 6  | 9 1 2    | 16°19'26          | 0 <b>)</b> €32  | 24°D56         | 5°46           | 7°26           | 17° 1  | 5°D35          | 0°35          | 1°46          | 5°53          | 24°D57        | 25°36          | 18° 6 | 26°59          | S 6  |
| S 7  | 9 4 58   | 17°20'15          | 15°10           | 25° 2          | 7° 1           | 8°10           | 16°55  | 5°35           | 0°34          | 1°45          | 5°51          | 24°57         | 25°33          | 18°13 | 26°54          | S 7  |
| M 8  | 9 8 5 5  | 18°21'03          | 29°25           | 25°15          | 8°16           | 8°54           | 16°49  | 5°35           | 0°D34         | 1°44          | 5°50          | 24°58         | 25°30          | 18°20 | 26°50          | M 8  |
| T 9  | 9 12 51  | 19°21'49          | 13 <b>Y</b> 13  | 25°35          | 9°31           | 9°38           | 16°43  | 5°36           | 0°34          | 1°42          | 5°49          | 24°59         | 25°27          | 18°26 | 26°45          | T 9  |
| W10  | 9 16 48  | 20°22'34          | 26°34           | 26° 0          | 10°45          | 10°22          | 16°37  | 5°36           | 0°35          | 1°41          | 5°47          | 24°59         | 25°24          | 18°33 | 26°41          | W10  |
| T 11 | 9 20 44  | 21°23'18          | 9 <b>8</b> 31   | 26°31          | 12° 0          | 11° 6          | 16°32  | 5°36           | 0°35          | 1°40          | 5°46          | 24°59         | 25°21          | 18°40 | 26°36          | T 11 |
| F 12 | 9 24 41  | 22°23'59          | 22° 5           | 27° 7          | 13°15          | 11°50          | 16°26  | 5°37           | 0°35          | 1°39          | 5°45          | 24°R59        | 25°17          | 18°46 | 26°31          | F 12 |
| S 13 | 9 28 37  | 23°24'39          | 4 <b>Ⅱ</b> 22   | 27°47          | 14°29          | 12°34          | 16°21  | 5°38           | 0°35          | 1°38          | 5°43          | 24°59         | 25°14          | 18°53 | 26°27          | S 13 |
| S 14 | 9 32 34  | 24°25'18          | 16°25           | 28°31          | 15°44          | 13°18          | 16°16  | 5°39           | 0°35          | 1°37          | 5°42          | 24°D59        | 25°11          | 19° 0 | 26°22          | S 14 |
| M15  | 9 36 31  | 25°25'54          | 28°19           | 29°19          | 16°59          | 14° 2          | 16°11  | 5°39           | 0°36          | 1°35          | 5°41          | 24°59         | 25° 8          | 19° 6 | 26°17          | M15  |
| T 16 | 9 40 27  | 26°26'29          | 1095 9          | 0≈11           | 18°13          | 14°46          | 16° 7  | 5°41           | 0°36          | 1°34          | 5°39          | 24°59         | 25° 5          | 19°13 | 26°13          | T 16 |
| W17  | 9 44 24  | 27°27'03          | 21°57           | 1° 6           | 19°28          | 15°31          | 16° 2  | 5°42           | 0°37          | 1°33          | 5°38          | 25° 0         | 25° 1          | 19°20 | 26° 8          | W17  |
| T 18 | 9 48 20  | 28°27'34          | 3 <b>Ω</b> 48   | 2° 4           | 20°42          | 16°15          | 15°58  | 5°43           | 0°37          | 1°31          | 5°37          | 25° 0         | 24°58          | 19°26 | 26° 3          | T 18 |
| F 19 | 9 52 17  | 29°28'04          | 15°45           | 3° 4           | 21°57          | 16°59          | 15°54  | 5°44           | 0°38          | 1°30          | 5°36          | 25° 0         | 24°55          | 19°33 | 25°59          | F 19 |
| S 20 | 9 56 13  | 0 <b>¥</b> 28'33  | 27°48           | 4° 8           | 23°11          | 17°43          | 15°50  | 5°46           | 0°38          | 1°29          | 5°34          | 25°R 0        | 24°52          | 19°40 | 25°54          | S 20 |
| S 21 | 10 0 10  | 1°28'59           | 10 <b>m</b> ) 1 | 5°13           | 24°26          | 18°28          | 15°46  | 5°47           | 0°39          | 1°27          | 5°33          | 25° 0         | 24°49          | 19°46 | 25°49          | S 21 |
| M22  | 10 4 6   | 2°29'25           | 22°25           | 6°21           | 25°40          | 19°12          | 15°42  | 5°49           | 0°40          | 1°26          | 5°32          | 25° 0         | 24°46          | 19°53 | 25°45          | M22  |
| T 23 | 10 8 3   | 3°29'48           | 5 <b>♀</b> 1    | 7°31           | 26°54          | 19°57          | 15°39  | 5°51           | 0°40          | 1°25          | 5°31          | 24°59         | 24°42          | 20° 0 | 25°40          | T 23 |
| W24  | 10 12 0  | 4°30'10           | 17°49           | 8°43           | 28° 8          | 20°41          | 15°36  | 5°53           | 0°41          | 1°23          | 5°30          | 24°57         | 24°39          | 20° 6 | 25°36          | W24  |
| T 25 | 10 15 56 | 5°30'31           | 0 <b>M</b> .52  | 9°56           | 29°23          | 21°25          | 15°33  | 5°55           | 0°42          | 1°22          | 5°28          | 24°56         | 24°36          | 20°13 | 25°31          | T 25 |
| F 26 | 10 19 53 | 6°30'50           | 14°10           | 11°12          | 0 <b>Υ</b> 37  | 22°10          | 15°30  | 5°57           | 0°43          | 1°20          | 5°27          | 24°55         | 24°33          | 20°20 | 25°26          | F 26 |
| S 27 | 10 23 49 | 7°31'08           | 27°43           | 12°29          | 1°51           | 22°54          | 15°27  | 5°59           | 0°44          | 1°19          | 5°26          | 24°54         | 24°30          | 20°26 | 25°22          | S 27 |
| S 28 | 10 27 46 | 8 <b>)</b> €31'24 | 11 <b>∡</b> 33  | 13 <b>≈</b> 47 | 3 <b>Y</b> 5   | 23 <b>る</b> 39 | 159525 | 6 <b>I</b> I 2 | 0 <b>Ⅱ</b> 45 | 1 <b>≏</b> 17 | 5 <b>Ω</b> 25 | 24°D54        | 24 <b>N</b> 27 | 20933 | 25 <b>Ω</b> 17 | S 28 |

Delta T = 25.97 sec

MARCH 1943 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ             | Ŷ            | ♂     | 4      | ħ              | )∤(           | 卉             | Р            | ß             | Ω               | Ç      | ę,             | Day  |
|------|----------|-------------------|----------------|---------------|--------------|-------|--------|----------------|---------------|---------------|--------------|---------------|-----------------|--------|----------------|------|
| M 1  | 10 31 42 | 9 <b>)</b> (31'39 | 25 <b>х</b> 39 | 15≈ 7         | <b>4</b> Υ19 | 24중24 | 15°R22 | 6 <b>I</b> I 4 | 0Д46          | 1°R16         | 5°R24        | 24€54         | 24⋒23           | 209540 | 25°R13         | M 1  |
| T 2  | 10 35 39 | 10°31'53          | 10중 0          | 16°29         | 5°33         | 25° 8 | 159520 | 6° 7           | 0°47          | 1 <b>≏</b> 14 | $5\Omega 23$ | 24°55         | 24°20           | 20°46  | 25⋒ 9          | T 2  |
| W 3  | 10 39 35 | 11°32'05          | 24°33          | 17°52         | 6°47         | 25°53 | 15°18  | 6° 9           | 0°48          | 1°13          | 5°22         | 24°56         | 24°17           | 20°53  | 25° 4          | W 3  |
| T 4  | 10 43 32 | 12°32'15          | 9≈13           | 19°16         | 8° 1         | 26°37 | 15°17  | 6°12           | 0°50          | 1°11          | 5°21         | 24°58         | 24°14           | 21° 0  | 25° 0          | T 4  |
| F 5  | 10 47 29 | 13°32'24          | 23°57          | 20°41         | 9°15         | 27°22 | 15°15  | 6°15           | 0°51          | 1°10          | 5°20         | 24°R58        | 24°11           | 21° 6  | 24°55          | F 5  |
| S 6  | 10 51 25 | 14°32'31          | 8 <b>∺</b> 35  | 22° 8         | 10°29        | 28° 7 | 15°14  | 6°18           | 0°52          | 1°8           | 5°19         | 24°58         | 24° 7           | 21°13  | 24°51          | S 6  |
| S 7  | 10 55 22 | 15°32'36          | 23° 3          | 23°36         | 11°43        | 28°52 | 15°13  | 6°21           | 0°54          | 1° 7          | 5°18         | 24°56         | 24° 4           | 21°20  | 24°47          | S 7  |
| M 8  | 10 59 18 | 16°32'39          | 7 <b>Υ</b> 14  | 25° 5         | 12°57        | 29°36 | 15°12  | 6°24           | 0°55          | 1° 5          | 5°17         | 24°54         | 24° 1           | 21°26  | 24°43          | M 8  |
| T 9  | 11 3 15  | 17°32'41          | 21° 4          | 26°36         | 14°11        | 0≈21  | 15°11  | 6°27           | 0°56          | 1° 3          | 5°16         | 24°50         | 23°58           | 21°33  | 24°39          | T 9  |
| W10  | 11 7 11  | 18°32'40          | 4 <b>8</b> 30  | 28° 8         | 15°24        | 1° 6  | 15°11  | 6°31           | 0°58          | 1° 2          | 5°15         | 24°47         | 23°55           | 21°40  | 24°35          | W10  |
| T 11 | 11 11 8  | 19°32'37          | 17°32          | 29°41         | 16°38        | 1°51  | 15°10  | 6°34           | 1° 0          | 1° 0          | 5°14         | 24°43         | 23°52           | 21°46  | 24°31          | T 11 |
| F 12 | 11 15 4  | 20°32'32          | 0 <b>Ⅱ</b> 11  | 1 <b>)</b> 15 | 17°52        | 2°36  | 15°D10 | 6°38           | 1° 1          | 0°59          | 5°13         | 24°41         | 23°48           | 21°53  | 24°27          | F 12 |
| S 13 | 11 19 1  | 21°32'25          | 12°31          | 2°50          | 19° 5        | 3°20  | 15°10  | 6°41           | 1° 3          | 0°57          | 5°12         | 24°39         | 23°45           | 22° 0  | 24°23          | S 13 |
| S 14 | 11 22 57 | 22°32'15          | 24°36          | 4°26          | 20°19        | 4° 5  | 15°11  | 6°45           | 1° 5          | 0°55          | 5°11         | 24°D39        | 23°42           | 22° 6  | 24°19          | S 14 |
| M15  | 11 26 54 | 23°32'03          | 6931           | 6° 4          | 21°32        | 4°50  | 15°11  | 6°49           | 1° 6          | 0°54          | 5°10         | 24°39         | 23°39           | 22°13  | 24°15          | M15  |
| T 16 | 11 30 51 | 24°31'50          | 18°20          | 7°43          | 22°46        | 5°35  | 15°12  | 6°53           | 1°8           | 0°52          | 5° 9         | 24°41         | 23°36           | 22°20  | 24°11          | T 16 |
| W17  | 11 34 47 | 25°31'33          | $0\Omega$ 9    | 9°23          | 23°59        | 6°20  | 15°13  | 6°57           | 1°10          | 0°50          | 5° 9         | 24°43         | 23°33           | 22°26  | 24° 8          | W17  |
| T 18 | 11 38 44 | 26°31'15          | 12° 3          | 11° 4         | 25°12        | 7° 5  | 15°14  | 7° 1           | 1°12          | 0°49          | 5° 8         | 24°44         | 23°29           | 22°33  | 24° 4          | T 18 |
| F 19 | 11 42 40 | 27°30'55          | 24° 4          | 12°47         | 26°25        | 7°50  | 15°15  | 7° 5           | 1°14          | 0°47          | 5° 7         | 24°R45        | 23°26           | 22°40  | 24° 1          | F 19 |
| S 20 | 11 46 37 | 28°30'32          | 6Mp17          | 14°30         | 27°39        | 8°35  | 15°16  | 7°10           | 1°16          | 0°45          | 5° 6         | 24°44         | 23°23           | 22°46  | 23°57          | S 20 |
| S 21 | 11 50 33 | 29°30'07          | 18°43          | 16°15         | 28°52        | 9°20  | 15°18  | 7°14           | 1°18          | 0°44          | 5° 6         | 24°42         | 23°20           | 22°53  | 23°54          | S 21 |
| M22  | 11 54 30 | 0 <b>Ƴ</b> 29'40  | 1 <b>≏</b> 25  | 18° 1         | 0 <b>ප</b> 5 | 10° 5 | 15°20  | 7°19           | 1°20          | 0°42          | 5° 5         | 24°38         | 23°17           | 23° 0  | 23°51          | M22  |
| T 23 | 11 58 26 | 1°29'11           | 14°22          | 19°49         | 1°18         | 10°50 | 15°22  | 7°23           | 1°22          | 0°40          | 5° 4         | 24°33         | 23°13           | 23° 6  | 23°48          | T 23 |
| W24  | 12 2 23  | 2°28'40           | 27°34          | 21°38         | 2°31         | 11°35 | 15°24  | 7°28           | 1°24          | 0°39          | 5° 4         | 24°26         | 23°10           | 23°13  | 23°45          | W24  |
| T 25 | 12 6 20  | 3°28'07           | 11 <b>M</b> 0  | 23°28         | 3°44         | 12°20 | 15°26  | 7°32           | 1°26          | 0°37          | 5° 3         | 24°20         | 23° 7           | 23°20  | 23°42          | T 25 |
| F 26 | 12 10 16 | 4°27'32           | 24°37          | 25°19         | 4°57         | 13° 5 | 15°29  | 7°37           | 1°28          | 0°35          | 5° 2         | 24°14         | 23° 4           | 23°26  | 23°39          | F 26 |
| S 27 | 12 14 13 | 5°26'56           | 8 <b>₹</b> 25  | 27°12         | 6° 9         | 13°50 | 15°32  | 7°42           | 1°31          | 0°34          | 5° 2         | 24° 9         | 23° 1           | 23°33  | 23°36          | S 27 |
| S 28 | 12 18 9  | 6°26'18           | 22°21          | 29° 6         | 7°22         | 14°36 | 15°35  | 7°47           | 1°33          | 0°32          | 5° 1         | 24° 7         | 22°58           | 23°40  | 23°33          | S 28 |
| M29  | 12 22 6  | 7°25'38           | 6 <b>පි</b> 24 | 1 <b>Υ</b> 1  | 8°35         | 15°21 | 15°38  | 7°52           | 1°35          | 0°30          | 5° 1         | 24°D 6        | 22°54           | 23°46  | 23°31          | M29  |
| T 30 | 12 26 2  | 8°24'57           | 20°33          | 2°58          | 9°47         | 16° 6 | 15°41  | 7°57           | 1°38          | 0°29          | 5° 0         | 24° 6         | 22°51           | 23°53  | 23°28          | T 30 |
| W31  | 12 29 59 | 9 <b>Υ</b> 24'13  | 4≈47           | <b>4</b> Υ55  | 118 0        | 16≈51 | 159644 | 8 <b>I</b> 3   | 1 <b>Ⅱ</b> 40 | 0 <b>ჲ</b> 27 | 5 <b>Ω</b> 0 | 24 <b>N</b> 7 | 22 <b>\O</b> 48 | 2499 0 | 23 <b>N</b> 26 | W31  |

Delta T = 26.02 sec

APRIL 1943 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | φ              | ð             | 4      | ħ              | )f(           | ¥              | Р             | v              | Ω               | Ç      | ď              | Day  |
|------|----------|-------------------|----------------|----------------|----------------|---------------|--------|----------------|---------------|----------------|---------------|----------------|-----------------|--------|----------------|------|
| T 1  | 12 33 55 | 10 <b>Y</b> 23'28 | 19≈ 2          | 6 <b>Υ</b> 54  | 12812          | 17≈36         | 159548 | 8 II 8         | 1 <b>Ⅱ</b> 43 | 0°R26          | 4°R59         | 24°R 8         | 22 <b>Ω</b> 45  | 2495 6 | 23°R23         | T 1  |
| F 2  | 12 37 52 | 11°22'41          | 3 <b>)</b> 18  | 8°55           | 13°25          | 18°21         | 15°52  | 8°13           | 1°45          | 0 <b>ჲ</b> 24  | $4\Omega$ 59  | 24 <b>N</b> 8  | 22°42           | 24°13  | 23 <b>£</b> 21 | F 2  |
| S 3  | 12 41 49 | 12°21'52          | 17°30          | 10°56          | 14°37          | 19° 7         | 15°56  | 8°19           | 1°48          | 0°22           | 4°58          | 24° 6          | 22°38           | 24°20  | 23°19          | S 3  |
| S 4  | 12 45 45 | 13°21'02          | 1 <b>Y</b> 35  | 12°58          | 15°49          | 19°52         | 16° 0  | 8°24           | 1°50          | 0°21           | 4°58          | 24° 1          | 22°35           | 24°26  | 23°17          | S 4  |
| M 5  | 12 49 42 | 14°20'09          | 15°28          | 15° 1          | 17° 2          | 20°37         | 16° 4  | 8°30           | 1°53          | 0°19           | 4°58          | 23°55          | 22°32           | 24°33  | 23°15          | M 5  |
| T 6  | 12 53 38 | 15°19'14          | 29° 5          | 17° 5          | 18°14          | 21°22         | 16° 9  | 8°35           | 1°55          | 0°17           | 4°57          | 23°46          | 22°29           | 24°40  | 23°13          | T 6  |
| W 7  | 12 57 35 | 16°18'17          | 12824          | 19°10          | 19°26          | 22° 8         | 16°14  | 8°41           | 1°58          | 0°16           | 4°57          | 23°37          | 22°26           | 24°46  | 23°11          | W 7  |
| T 8  | 13 131   | 17°17'18          | 25°23          | 21°15          | 20°38          | 22°53         | 16°18  | 8°47           | 2° 1          | 0°14           | 4°57          | 23°28          | 22°23           | 24°53  | 23° 9          | T 8  |
| F 9  | 13 5 28  | 18°16'17          | 8 <b>I</b> I 2 | 23°20          | 21°50          | 23°38         | 16°23  | 8°53           | 2° 3          | 0°13           | 4°56          | 23°20          | 22°19           | 25° 0  | 23° 8          | F 9  |
| S 10 | 13 9 24  | 19°15'14          | 20°23          | 25°25          | 23° 2          | 24°23         | 16°29  | 8°59           | 2° 6          | 0°11           | 4°56          | 23°14          | 22°16           | 25° 6  | 23° 6          | S 10 |
| S 11 | 13 13 21 | 20°14'08          | 29             | 27°30          | 24°14          | 25° 9         | 16°34  | 9° 5           | 2° 9          | 0°10           | 4°56          | 23°10          | 22°13           | 25°13  | 23° 5          | S 11 |
| M12  | 13 17 18 | 21°13'00          | 14°24          | 29°35          | 25°25          | 25°54         | 16°39  | 9°11           | 2°12          | 0° 8           | 4°56          | 23° 8          | 22°10           | 25°20  | 23° 4          | M12  |
| T 13 | 13 21 14 | 22°11'50          | 26°14          | 1838           | 26°37          | 26°39         | 16°45  | 9°17           | 2°15          | 0° 7           | 4°56          | 23°D 8         | 22° 7           | 25°26  | 23° 3          | T 13 |
| W14  | 13 25 11 | 23°10'38          | 8 <b>N</b> 3   | 3°40           | 27°48          | 27°25         | 16°51  | 9°23           | 2°18          | 0° 5           | 4°56          | 23° 9          | 22° 4           | 25°33  | 23° 2          | W14  |
| T 15 | 13 29 7  | 24° 9'23          | 19°58          | 5°40           | 29° 0          | 28°10         | 16°57  | 9°29           | 2°21          | 0° 4           | 4°56          | 23°R 9         | 22° 0           | 25°40  | 23° 1          | T 15 |
| F 16 | 13 33 4  | 25° 8'06          | 2MD 2          | 7°39           | 0 <b>Ⅱ</b> 11  | 28°55         | 17° 3  | 9°35           | 2°23          | 0° 2           | 4°55          | 23° 9          | 21°57           | 25°46  | 23° 0          | F 16 |
| S 17 | 13 37 0  | 26° 6'47          | 14°21          | 9°35           | 1°23           | 29°40         | 17° 9  | 9°42           | 2°26          | 0° 1           | 4°55          | 23° 7          | 21°54           | 25°53  | 22°59          | S 17 |
| S 18 | 13 40 57 | 27° 5'26          | 26°58          | 11°29          | 2°34           | 0 <b>∺</b> 26 | 17°16  | 9°48           | 2°29          | 29 <b>m</b> 59 | 4°D55         | 23° 2          | 21°51           | 26° 0  | 22°59          | S 18 |
| M19  | 13 44 53 | 28° 4'02          | 9 <b>॒</b> 55  | 13°19          | 3°45           | 1°11          | 17°22  | 9°55           | 2°32          | 29°58          | 4°55          | 22°55          | 21°48           | 26° 6  | 22°58          | M19  |
| T 20 | 13 48 50 | 29° 2'37          | 23°12          | 15° 7          | 4°56           | 1°56          | 17°29  | 10° 1          | 2°35          | 29°56          | 4°55          | 22°46          | 21°44           | 26°13  | 22°58          | T 20 |
| W21  | 13 52 46 | 08 1'10           | 6 <b>M</b> .48 | 16°51          | 6° 7           | 2°41          | 17°36  | 10° 8          | 2°39          | 29°55          | 4°55          | 22°35          | 21°41           | 26°20  | 22°57          | W21  |
| T 22 | 13 56 43 | 0°59'40           | 20°41          | 18°31          | 7°18           | 3°27          | 17°43  | 10°14          | 2°42          | 29°54          | 4°56          | 22°24          | 21°38           | 26°26  | 22°57          | T 22 |
| F 23 | 14 0 40  | 1°58'10           | 4 <b>₹</b> 45  | 20° 7          | 8°29           | 4°12          | 17°50  | 10°21          | 2°45          | 29°52          | 4°56          | 22°14          | 21°35           | 26°33  | 22°D57         | F 23 |
| S 24 | 14 4 36  | 2°56'37           | 18°56          | 21°40          | 9°39           | 4°57          | 17°57  | 10°28          | 2°48          | 29°51          | 4°56          | 22° 6          | 21°32           | 26°39  | 22°57          | S 24 |
| S 25 | 14 8 33  | 3°55'03           | 3 <b>ට</b> 10  | 23° 8          | 10°50          | 5°43          | 18° 4  | 10°34          | 2°51          | 29°50          | 4°56          | 22° 0          | 21°29           | 26°46  | 22°57          | S 25 |
| M26  | 14 12 29 | 4°53'27           | 17°23          | 24°31          | 12° 0          | 6°28          | 18°12  | 10°41          | 2°54          | 29°48          | 4°56          | 21°57          | 21°25           | 26°53  | 22°58          | M26  |
| T 27 | 14 16 26 | 5°51'50           | 1≈34           | 25°50          | 13°11          | 7°13          | 18°20  | 10°48          | 2°57          | 29°47          | 4°56          | 21°D56         | 21°22           | 26°59  | 22°58          | T 27 |
| W28  | 14 20 22 | 6°50'11           | 15°39          | 27° 5          | 14°21          | 7°58          | 18°27  | 10°55          | 3° 1          | 29°46          | 4°57          | 21°R56         | 21°19           | 27° 6  | 22°58          | W28  |
| T 29 | 14 24 19 | 7°48'30           | 29°39          | 28°15          | 15°31          | 8°44          | 18°35  | 11° 2          | 3° 4          | 29°45          | 4°57          | 21°56          | 21°16           | 27°13  | 22°59          | T 29 |
| F 30 | 14 28 15 | 8 <b>8</b> 46'48  | 13 <b>)</b> 33 | 29 <b>8</b> 20 | 16 <b>Ⅱ</b> 41 | 9 <b>∺</b> 29 | 189643 | 11 <b>II</b> 9 | 3 <b>I</b> 7  | 29 Mp 43       | 4 <b>Ω</b> 57 | 21 <b>Q</b> 54 | 21 <b>\O</b> 13 | 279519 | 23 <b>Ω</b> 0  | F 30 |

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| Day  | Sid.t    | 0                | D              | ğ              | φ               | ð              | 4      | ħ               | )f(           | ¥              | Р             | ₽.             | v               | Ç             | Š,                  | Day  |
|------|----------|------------------|----------------|----------------|-----------------|----------------|--------|-----------------|---------------|----------------|---------------|----------------|-----------------|---------------|---------------------|------|
| S 1  | 14 32 12 | 9 <b>8</b> 45'05 | 27 <b>米</b> 21 | 0Д20           | 17 <b>II</b> 51 | 10 <b>∺</b> 14 | 18952  | 11 <b>I</b> I16 | 3 <b>Ⅱ</b> 10 | 29°R42         | 4 <b>Ω</b> 58 | 21°R50         | 21 <b>\O</b> 10 | 279526        | 23\$\mathcal{O}\$ 1 | S 1  |
| S 2  | 14 36 9  | 10°43'20         | 10 <b>Y</b> 59 | 1°15           | 19° 1           | 10°59          | 19° 0  | 11°23           | 3°14          | 29 <b>m</b> 41 | 4°58          | 21 <b>Ω</b> 44 | 21° 6           | 27°33         | 23° 2               | S 2  |
| M 3  | 14 40 5  | 11°41'33         | 24°28          | 2° 5           | 20°11           | 11°44          | 19°8   | 11°30           | 3°17          | 29°40          | 4°58          | 21°34          | 21° 3           | 27°39         | 23° 3               | M 3  |
| T 4  | 14 44 2  | 12°39'45         | 7 <b>8</b> 45  | 2°50           | 21°21           | 12°30          | 19°17  | 11°37           | 3°20          | 29°39          | 4°59          | 21°23          | 21° 0           | 27°46         | 23° 4               | T 4  |
| W 5  | 14 47 58 | 13°37'55         | 20°47          | 3°30           | 22°31           | 13°15          | 19°25  | 11°44           | 3°24          | 29°38          | 4°59          | 21°10          | 20°57           | 27°53         | 23° 5               | W 5  |
| T 6  | 14 51 55 | 14°36'03         | 3 <b>Ⅱ</b> 34  | 4° 5           | 23°40           | 14° 0          | 19°34  | 11°52           | 3°27          | 29°37          | 5° 0          | 20°57          | 20°54           | 27°59         | 23° 6               | T 6  |
| F 7  | 14 55 51 | 15°34'10         | 16° 5          | 4°34           | 24°49           | 14°45          | 19°43  | 11°59           | 3°30          | 29°35          | 5° 0          | 20°45          | 20°50           | 28° 6         | 23° 8               | F 7  |
| S 8  | 14 59 48 | 16°32'15         | 28°21          | 4°58           | 25°59           | 15°30          | 19°52  | 12° 6           | 3°34          | 29°34          | 5° 1          | 20°36          | 20°47           | 28°13         | 23° 9               | S 8  |
| S 9  | 15 3 44  | 17°30'18         | 10924          | 5°17           | 27° 8           | 16°15          | 20° 1  | 12°13           | 3°37          | 29°33          | 5° 1          | 20°29          | 20°44           | 28°19         | 23°11               | S 9  |
| M10  | 15 741   | 18°28'19         | 22°18          | 5°31           | 28°17           | 17° 0          | 20°10  | 12°21           | 3°41          | 29°32          | 5° 2          | 20°25          | 20°41           | 28°26         | 23°13               | M10  |
| T 11 | 15 11 38 | 19°26'18         | 4 <b>Ω</b> 7   | 5°40           | 29°26           | 17°45          | 20°20  | 12°28           | 3°44          | 29°32          | 5° 2          | 20°23          | 20°38           | 28°33         | 23°15               | T 11 |
| W12  | 15 15 34 | 20°24'16         | 15°55          | 5°R43          | 0935            | 18°30          | 20°29  | 12°36           | 3°48          | 29°31          | 5° 3          | 20°22          | 20°35           | 28°39         | 23°17               | W12  |
| T 13 | 15 19 31 | 21°22'11         | 27°49          | 5°42           | 1°43            | 19°15          | 20°39  | 12°43           | 3°51          | 29°30          | 5° 4          | 20°22          | 20°31           | 28°46         | 23°19               | T 13 |
| F 14 | 15 23 27 | 22°20'05         | 9 <b>m</b> 54  | 5°36           | 2°52            | 20° 0          | 20°48  | 12°50           | 3°54          | 29°29          | 5° 4          | 20°21          | 20°28           | 28°53         | 23°21               | F 14 |
| S 15 | 15 27 24 | 23°17'57         | 22°15          | 5°25           | 4° 0            | 20°45          | 20°58  | 12°58           | 3°58          | 29°28          | 5° 5          | 20°19          | 20°25           | 28°59         | 23°23               | S 15 |
| S 16 | 15 31 20 | 24°15'48         | 4 <b>≙</b> 57  | 5°10           | 5° 8            | 21°30          | 21° 8  | 13° 5           | 4° 1          | 29°27          | 5° 6          | 20°14          | 20°22           | 29° 6         | 23°26               | S 16 |
| M17  | 15 35 17 | 25°13'36         | 18° 2          | 4°51           | 6°16            | 22°15          | 21°18  | 13°13           | 4° 5          | 29°26          | 5° 6          | 20° 7          | 20°19           | 29°13         | 23°28               | M17  |
| T 18 | 15 39 13 | 26°11'23         | 1 <b>M</b> .32 | 4°28           | 7°24            | 23° 0          | 21°28  | 13°21           | 4° 8          | 29°26          | 5° 7          | 19°58          | 20°15           | 29°19         | 23°31               | T 18 |
| W19  | 15 43 10 | 27° 9'09         | 15°26          | 4° 2           | 8°32            | 23°45          | 21°38  | 13°28           | 4°12          | 29°25          | 5° 8          | 19°46          | 20°12           | 29°26         | 23°34               | W19  |
| T 20 | 15 47 7  | 28° 6'53         | 29°40          | 3°33           | 9°40            | 24°30          | 21°48  | 13°36           | 4°15          | 29°24          | 5° 9          | 19°35          | 20° 9           | 29°33         | 23°37               | T 20 |
| F 21 | 15 51 3  | 29° 4'36         | 14 <b>×</b> 10 | 3° 2           | 10°47           | 25°14          | 21°58  | 13°43           | 4°19          | 29°24          | 5° 9          | 19°24          | 20° 6           | 29°39         | 23°40               | F 21 |
| S 22 | 15 55 0  | 0 <b>Ⅱ</b> 2'17  | 28°47          | 2°30           | 11°55           | 25°59          | 22° 9  | 13°51           | 4°22          | 29°23          | 5°10          | 19°15          | 20° 3           | 29°46         | 23°43               | S 22 |
| S 23 | 15 58 56 | 0°59'58          | 13 <b>る</b> 25 | 1°56           | 13° 2           | 26°44          | 22°19  | 13°59           | 4°26          | 29°22          | 5°11          | 19° 9          | 20° 0           | 29°53         | 23°46               | S 23 |
| M24  | 16 2 53  | 1°57'37          | 27°58          | 1°21           | 14° 9           | 27°29          | 22°30  | 14° 6           | 4°29          | 29°22          | 5°12          | 19° 5          | 19°56           | 29°59         | 23°49               | M24  |
| T 25 | 16 6 49  | 2°55'16          | 12≈21          | 0°47           | 15°16           | 28°13          | 22°41  | 14°14           | 4°33          | 29°21          | 5°13          | 19° 4          | 19°53           | ON 6          | 23°52               | T 25 |
| W26  | 16 10 46 | 3°52'53          | 26°31          | 0°14           | 16°22           | 28°58          | 22°51  | 14°22           | 4°36          | 29°21          | 5°14          | 19° 4          | 19°50           | 0°12          | 23°56               | W26  |
| T 27 | 16 14 42 | 4°50'30          | 10 <b>∺</b> 28 | 29 <b>8</b> 41 | 17°29           | 29°43          | 23° 2  | 14°29           | 4°40          | 29°20          | 5°15          | 19° 4          | 19°47           | 0°19          | 23°59               | T 27 |
| F 28 | 16 18 39 | 5°48'05          | 24°11          | 29°11          | 18°35           | 0 <b>Υ</b> 27  | 23°13  | 14°37           | 4°43          | 29°20          | 5°16          | 19° 3          | 19°44           | 0°26          | 24° 3               | F 28 |
| S 29 | 16 22 36 | 6°45'40          | 7 <b>Ƴ</b> 42  | 28°43          | 19°41           | 1°12           | 23°24  | 14°45           | 4°47          | 29°19          | 5°17          | 19° 0          | 19°41           | 0°32          | 24° 7               | S 29 |
| S 30 | 16 26 32 | 7°43'13          | 21° 1          | 28°17          | 20°47           | 1°56           | 23°35  | 14°53           | 4°50          | 29°19          | 5°18          | 18°54          | 19°37           | 0°39          | 24°10               | S 30 |
| M31  | 16 30 29 | 8 <b>Ⅱ</b> 40'46 | 4 <b>8</b> 7   | 27 <b>8</b> 55 | 21953           | 2 <b>Υ</b> 40  | 239546 | 15 <b>I</b> 0   | 4 <b>∏</b> 54 | 29 <b>m</b> 19 | 5 <b>Ω</b> 19 | 18 <b>Ω</b> 45 | 19 <b>Ω</b> 34  | 0 <b>Ω</b> 46 | 24Ω14               | M31  |

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| Day          | Sid.t              | $\odot$            | D                      | φ              | φ              | o <sup>7</sup> | 4              | ħ              | )ұ(           | ¥              | 2             | ß               | Ω              | ţ             | Š              | Day          |
|--------------|--------------------|--------------------|------------------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|---------------|-----------------|----------------|---------------|----------------|--------------|
| T 1          | 16 34 25           | 9∏38'18            | 17 <b>8</b> 2          | 27°R36         | 22958          | 3 <b>Υ</b> 25  | 23957          | 15 <b>I</b> 8  | 4 <b>Ⅱ</b> 57 | 29°R18         | 5 <b>Ω</b> 20 | 18°R35          | 19 <b>Ω</b> 31 | 0 <b>Ω</b> 52 | 24 <b>Ω</b> 18 | T 1          |
| W 2          | 16 38 22           | 10°35'50           | 29°45                  | 27821          | 24° 4          | 4° 9           | 24° 9          | 15°16          | 5° 1          | 29 <b>m</b> 18 | 5°21          | 18 <b>Ω</b> 23  | 19°28          | 0°59          | 24°22          | W 2          |
| T 3          | 16 42 18           | 11°33'20           | 12 <b>Ⅱ</b> 15         | 27°10          | 25° 9          | 4°53           | 24°20          | 15°24          | 5° 4          | 29°18          | 5°22          | 18°11           | 19°25          | 1° 6          | 24°27          | T 3          |
| F 4          | 16 46 15           | 12°30'49           | 24°33                  | 27° 3          | 26°14          | 5°38           | 24°31          | 15°32          | 5° 8          | 29°17          | 5°23          | 18° 0           | 19°21          | 1°12          | 24°31          | F 4          |
| S 5          | 16 50 11           | 13°28'17           | 6 <b>©</b> 40          | 27°D 1         | 27°19          | 6°22           | 24°43          | 15°39          | 5°11          | 29°17          | 5°24          | 17°52           | 19°18          | 1°19          | 24°35          | S 5          |
| S 6          | 16 54 8            | 14°25'44           | 18°37                  | 27° 3          | 28°23          | 7° 6           | 24°55          | 15°47          | 5°15          | 29°17          | 5°26          | 17°45           | 19°15          | 1°26          | 24°40          | S 6          |
| M 7          | 16 58 5            | 15°23'10           | 0 <b>Ω</b> 28          | 27° 9          | 29°28          | 7°50           | 25° 6          | 15°55          | 5°18          | 29°17          | 5°27          | 17°41           | 19°12          | 1°32          | 24°44          | M 7          |
| T 8          | 17 2 1             | 16°20'35           | 12°15                  | 27°20          | 0 <b>Ω</b> 32  | 8°34           | 25°18          | 16° 3          | 5°22          | 29°17          | 5°28          | 17°D40          | 19° 9          | 1°39          | 24°49          | T 8          |
| W 9          | 17 5 58            | 17°17'59           | 24° 3                  | 27°36          | 1°35           | 9°18           | 25°30          | 16°11          | 5°25          | 29°17          | 5°29          | 17°40           | 19° 6          | 1°46          | 24°54          | W 9          |
| T 10         | 17 9 54            | 18°15'22           | 5 <b>m</b> 56          | 27°56          | 2°39           | 10° 2          | 25°41          | 16°18          | 5°29          | 29°17          | 5°31          | 17°41           | 19° 2          | 1°52          | 24°58          | T 10         |
| F 11         | 17 13 51           | 19°12'44           | 18° 0                  | 28°20          | 3°42           | 10°46          | 25°53          | 16°26          | 5°32          | 29°D17         | 5°32          | 17°R41          | 18°59          | 1°59          | 25° 3          | F 11         |
| S 12         | 17 17 47           | 20°10'05           | 0 <b>ჲ</b> 20          | 28°49          | 4°45           | 11°29          | 26° 5          | 16°34          | 5°36          | 29°17          | 5°33          | 17°41           | 18°56          | 2° 6          | 25° 8          | S 12         |
| S 13         | 17 21 44           | 21° 7'24           | 13° 1                  | 29°22          | 5°48           | 12°13          | 26°17          | 16°42          | 5°39          | 29°17          | 5°34          | 17°38           | 18°53          | 2°12          | 25°13          | S 13         |
| M14          | 17 25 40           | 22° 4'43           | 26° 6                  | 29°59          | 6°51           | 12°57          | 26°29          | 16°50          | 5°43          | 29°17          | 5°36          | 17°34           | 18°50          | 2°19          | 25°18          | M14          |
| T 15         | 17 29 37           | 23° 2'01           | 9 <b>M</b> .40         | 0 <b>Ⅱ</b> 40  | 7°53           | 13°40          | 26°41          | 16°57          | 5°46          | 29°17          | 5°37          | 17°28           | 18°47          | 2°26          | 25°23          | T 15         |
| W16          | 17 33 34           | 23°59'18           | 23°40                  | 1°26           | 8°55           | 14°24          | 26°53          | 17° 5          | 5°49          | 29°17          | 5°38          | 17°20           | 18°43          | 2°32          | 25°29          | W16          |
| T 17         | 17 37 30           | 24°56'35           | 8 <b>×</b> 7 6         | 2°15           | 9°56           | 15° 7          | 27° 6          | 17°13          | 5°53          | 29°17          | 5°40          | 17°12           | 18°40          | 2°39          | 25°34          | T 17         |
| F 18         | 17 41 27           | 25°53'50           | 22°51                  | 3° 8           | 10°58          | 15°51          | 27°18          | 17°21          | 5°56          | 29°17          | 5°41          | 17° 4           | 18°37          | 2°45          | 25°40          | F 18         |
| S 19         | 17 45 23           | 26°51'06           | 7 <b>る</b> 48          | 4° 5           | 11°59          | 16°34          | 27°30          | 17°28          | 5°59          | 29°18          | 5°42          | 16°58           | 18°34          | 2°52          | 25°45          | S 19         |
| S 20         | 17 49 20           | 27°48'21           | 22°48                  | 5° 6           | 12°59          | 17°17          | 27°43          | 17°36          | 6° 3          | 29°18          | 5°44          | 16°54           | 18°31          | 2°59          | 25°51          | S 20         |
| M21          | 17 53 16           | 28°45'35           | 7≈42                   | 6°11           | 13°59          | 18° 0          | 27°55          | 17°44          | 6° 6          | 29°18          | 5°45          | 16°52           | 18°27          | 3° 5          | 25°56          | M21          |
| T 22         | 17 57 13           | 29°42'49           | 22°24                  | 7°20           | 14°59          | 18°43          | 28° 7          | 17°51          | 6° 9          | 29°19          | 5°47          | 16°D52          | 18°24          | 3°12          | 26° 2          | T 22         |
| W23          | 18 1 9             | 09540'03           | 6 <b>)</b> €48         | 8°32           | 15°59          | 19°26          | 28°20          | 17°59          | 6°13          | 29°19          | 5°48          | 16°53           | 18°21          | 3°19          | 26° 8          | W23          |
| T 24         | 18 5 6             | 1°37'17            | 20°53                  | 9°47           | 16°58          | 20° 9          | 28°32          | 18° 7          | 6°16          | 29°19          | 5°50          | 16°54           | 18°18          | 3°25          | 26°14          | T 24         |
| F 25<br>S 26 | 18 9 3<br>18 12 59 | 2°34'31<br>3°31'44 | 4 <b>Υ</b> 37<br>18° 2 | 11° 6<br>12°29 | 17°57<br>18°55 | 20°52<br>21°35 | 28°45<br>28°58 | 18°14<br>18°22 | 6°19<br>6°22  | 29°20<br>29°20 | 5°51<br>5°53  | 16°R54<br>16°53 | 18°15<br>18°12 | 3°32<br>3°39  | 26°20<br>26°26 | F 25<br>S 26 |
|              |                    |                    | _                      |                |                |                |                |                |               |                |               |                 | -              |               |                | l l          |
| S 27         | 18 16 56           | 4°28'58            | 18 9                   | 13°55          | 19°53          | 22°18          | 29°10          | 18°30          | 6°26          | 29°21          | 5°54          | 16°50           | 18° 8          | 3°45          | 26°32          | S 27         |
| M28          | 18 20 52           | 5°26'12            | 14° 1                  | 15°24          | 20°51          | 23° 0          | 29°23          | 18°37          | 6°29          | 29°21          | 5°56          | 16°46           | 18° 5          | 3°52          | 26°38          | M28          |
| T 29         | 18 24 49           | 6°23'26            | 26°39                  | 16°57          | 21°48          | 23°43          | 29°36          | 18°45          | 6°32          | 29°22          | 5°57          | 16°40           | 18° 2          | 3°59          | 26°44          | T 29         |
| W30          | 18 28 45           | 7920'40            | 9耳 4                   | 18 <b>Ⅲ</b> 33 | 22 <b>Ω</b> 45 | 24 <b>Y</b> 25 | 299548         | 18 <b>Ⅱ</b> 52 | 6 <b>Ⅱ</b> 35 | 29 Mp 23       | 5 <b>Ω</b> 59 | 16 <b>Ω</b> 33  | 17 <b>Ω</b> 59 | 4 <b>Ω</b> 5  | 26 <b>Ω</b> 50 | W30          |

Delta T = 26.17 sec

JULY 1943 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ď              | 4             | ħ               | )∤(           | ¥              | Р             | Ω.              | Ω              | Ç             | ę<br>k         | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|---------------|-----------------|---------------|----------------|---------------|-----------------|----------------|---------------|----------------|------|
| T 1  | 18 32 42 | 8917'53          | 21∏19          | 20∏13          | 23₽41          | 25 <b>Y</b> 8  | 0 <b>Ω</b> 1  | 19 <b>I</b> 0   | 6 <b>Ⅱ</b> 38 | 29 <b>m</b> 23 | 6 <b>N</b> 0  | 16°R26          | 17 <b>Ω</b> 56 | 4 <b>Ω</b> 12 | 26 <b>Ω</b> 57 | T 1  |
| F 2  | 18 36 38 | 9°15'07          | 39524          | 21°55          | 24°37          | 25°50          | 0°14          | 19° 7           | 6°41          | 29°24          | 6° 2          | $16\Omega_{20}$ | 17°53          | 4°19          | 27° 3          | F 2  |
| S 3  | 18 40 35 | 10°12'21         | 15°22          | 23°41          | 25°32          | 26°32          | 0°27          | 19°15           | 6°44          | 29°24          | 6° 3          | 16°15           | 17°49          | 4°25          | 27°10          | S 3  |
| S 4  | 18 44 32 | 11° 9'34         | 27°13          | 25°30          | 26°27          | 27°14          | 0°40          | 19°22           | 6°47          | 29°25          | 6° 5          | 16°11           | 17°46          | 4°32          | 27°16          | S 4  |
| M 5  | 18 48 28 | 12° 6'48         | 9Ω 1           | 27°22          | 27°21          | 27°56          | 0°53          | 19°30           | 6°51          | 29°26          | 6° 7          | 16°10           | 17°43          | 4°39          | 27°23          | M 5  |
| T 6  | 18 52 25 | 13° 4'01         | 20°47          | 29°16          | 28°15          | 28°38          | 1° 6          | 19°37           | 6°54          | 29°27          | 6° 8          | 16°D10          | 17°40          | 4°45          | 27°29          | T 6  |
| W 7  | 18 56 21 | 14° 1'14         | 2 Mp 35        | 19913          | 29° 8          | 29°20          | 1°19          | 19°45           | 6°57          | 29°28          | 6°10          | 16°11           | 17°37          | 4°52          | 27°36          | W 7  |
| T 8  | 19 0 18  | 14°58'27         | 14°30          | 3°12           | 0 Mg 0         | 0 <b>8</b> 2   | 1°32          | 19°52           | 6°59          | 29°28          | 6°12          | 16°12           | 17°33          | 4°58          | 27°43          | T 8  |
| F 9  | 19 4 14  | 15°55'40         | 26°34          | 5°14           | 0°52           | 0°43           | 1°45          | 19°59           | 7° 2          | 29°29          | 6°13          | 16°14           | 17°30          | 5° 5          | 27°50          | F 9  |
| S 10 | 19 8 11  | 16°52'53         | 8 <b>₾</b> 53  | 7°18           | 1°43           | 1°25           | 1°58          | 20° 6           | 7° 5          | 29°30          | 6°15          | 16°15           | 17°27          | 5°12          | 27°56          | S 10 |
| S 11 | 19 12 7  | 17°50'06         | 21°32          | 9°23           | 2°34           | 2° 6           | 2°11          | 20°14           | 7° 8          | 29°31          | 6°16          | 16°R15          | 17°24          | 5°18          | 28° 3          | S 11 |
| M12  | 19 16 4  | 18°47'18         | 4MJ34          | 11°29          | 3°24           | 2°47           | 2°24          | 20°21           | 7°11          | 29°32          | 6°18          | 16°14           | 17°21          | 5°25          | 28°10          | M12  |
| T 13 | 19 20 1  | 19°44'31         | 18° 3          | 13°37          | 4°13           | 3°28           | 2°37          | 20°28           | 7°14          | 29°33          | 6°20          | 16°12           | 17°18          | 5°32          | 28°17          | T 13 |
| W14  | 19 23 57 | 20°41'44         | 2 <b>√</b> 0   | 15°45          | 5° 1           | 4° 9           | 2°50          | 20°35           | 7°17          | 29°34          | 6°21          | 16° 9           | 17°14          | 5°38          | 28°24          | W14  |
| T 15 | 19 27 54 | 21°38'56         | 16°24          | 17°54          | 5°49           | 4°50           | 3° 3          | 20°42           | 7°19          | 29°35          | 6°23          | 16° 6           | 17°11          | 5°45          | 28°32          | T 15 |
| F 16 | 19 31 50 | 22°36'09         | 1ਰ11           | 20° 3          | 6°36           | 5°31           | 3°16          | 20°49           | 7°22          | 29°36          | 6°25          | 16° 3           | 17° 8          | 5°52          | 28°39          | F 16 |
| S 17 | 19 35 47 | 23°33'22         | 16°14          | 22°12          | 7°22           | 6°12           | 3°30          | 20°56           | 7°25          | 29°37          | 6°27          | 16° 0           | 17° 5          | 5°58          | 28°46          | S 17 |
| S 18 | 19 39 43 | 24°30'36         | 1≈25           | 24°20          | 8° 7           | 6°52           | 3°43          | 21° 3           | 7°27          | 29°38          | 6°28          | 15°59           | 17° 2          | 6° 5          | 28°53          | S 18 |
| M19  | 19 43 40 | 25°27'50         | 16°34          | 26°28          | 8°51           | 7°32           | 3°56          | 21°10           | 7°30          | 29°40          | 6°30          | 15°D58          | 16°59          | 6°12          | 29° 0          | M19  |
| T 20 | 19 47 37 | 26°25'04         | 1 <b>)</b> 33  | 28°35          | 9°35           | 8°13           | 4° 9          | 21°17           | 7°33          | 29°41          | 6°32          | 15°59           | 16°55          | 6°18          | 29° 8          | T 20 |
| W21  | 19 51 33 | 27°22'19         | 16°13          | 0 <b>Ω</b> 41  | 10°17          | 8°53           | 4°22          | 21°24           | 7°35          | 29°42          | 6°33          | 16° 0           | 16°52          | 6°25          | 29°15          | W21  |
| T 22 | 19 55 30 | 28°19'35         | 0 <b>Υ</b> 31  | 2°46           | 10°58          | 9°33           | 4°36          | 21°31           | 7°38          | 29°43          | 6°35          | 16° 1           | 16°49          | 6°32          | 29°23          | T 22 |
| F 23 | 19 59 26 | 29°16'51         | 14°23          | 4°50           | 11°39          | 10°13          | 4°49          | 21°38           | 7°40          | 29°45          | 6°37          | 16° 2           | 16°46          | 6°38          | 29°30          | F 23 |
| S 24 | 20 3 23  | 0 <b>Ω</b> 14'09 | 27°52          | 6°52           | 12°18          | 10°53          | 5° 2          | 21°44           | 7°43          | 29°46          | 6°39          | 16°R 3          | 16°43          | 6°45          | 29°38          | S 24 |
| S 25 | 20 7 19  | 1°11'27          | 10 <b>8</b> 57 | 8°53           | 12°56          | 11°32          | 5°16          | 21°51           | 7°45          | 29°47          | 6°40          | 16° 2           | 16°39          | 6°51          | 29°45          | S 25 |
| M26  | 20 11 16 | 2° 8'46          | 23°42          | 10°52          | 13°33          | 12°12          | 5°29          | 21°58           | 7°47          | 29°49          | 6°42          | 16° 1           | 16°36          | 6°58          | 29°53          | M26  |
| T 27 | 20 15 12 | 3° 6'07          | 6 <b>I</b> I10 | 12°50          | 14° 9          | 12°51          | 5°42          | 22° 4           | 7°50          | 29°50          | 6°44          | 16° 0           | 16°33          | 7° 5          | 0 <b>m</b> y 0 | T 27 |
| W28  | 20 19 9  | 4° 3'28          | 18°25          | 14°46          | 14°44          | 13°30          | 5°55          | 22°11           | 7°52          | 29°51          | 6°45          | 15°58           | 16°30          | 7°11          | 0° 8           | W28  |
| T 29 | 20 23 6  | 5° 0'50          | 0ණ28           | 16°40          | 15°17          | 14° 9          | 6° 9          | 22°17           | 7°54          | 29°53          | 6°47          | 15°57           | 16°27          | 7°18          | 0°16           | T 29 |
| F 30 | 20 27 2  | 5°58'13          | 12°24          | 18°33          | 15°49          | 14°48          | 6°22          | 22°23           | 7°57          | 29°54          | 6°49          | 15°55           | 16°24          | 7°25          | 0°24           | F 30 |
| S 31 | 20 30 59 | 6 <b>Ω</b> 55'37 | 249514         | 20 <b>Ω</b> 24 | 16 <b>M</b> 20 | 15 <b>8</b> 27 | 6 <b>Ω</b> 35 | 22 <b>II</b> 30 | 7 <b>Ⅱ</b> 59 | 29 M 56        | 6 <b>Ω</b> 51 | 15 <b>Ω</b> 54  | 16 <b>Ω</b> 20 | 7 <b>Ω</b> 31 | 0 <b>m</b> 31  | S 31 |

Delta T = 26.22 sec

AUGUST 1943 00:00 UT

| Day  | Sid.t    | 0                | D               | φ              | φ               | ð             | 4              | ħ               | )f(           | ¥              | Р             | ß              | ß              | Ç              | ç             | Day  |
|------|----------|------------------|-----------------|----------------|-----------------|---------------|----------------|-----------------|---------------|----------------|---------------|----------------|----------------|----------------|---------------|------|
| S 1  | 20 34 55 | 7 <b>Ω</b> 53'02 | 6 <b>N</b> 2    | 22 <b>Ω</b> 14 | 16 <b>M</b> )49 | 16 <b>8</b> 5 | 6 <b>Ω</b> 48  | 22 <b>II</b> 36 | 8 <b>I</b> 1  | 29 <b>m</b> 57 | 6 <b>Ω</b> 52 | 15°R54         | 16 <b>Ω</b> 17 | 7 <b>Ω</b> 38  | 0 <b>m</b> 39 | S 1  |
| M 2  | 20 38 52 | 8°50'27          | 17°49           | 24° 2          | 17°17           | 16°44         | 7° 2           | 22°42           | 8° 3          | 29°59          | 6°54          | 15°D54         | 16°14          | 7°45           | 0°47          | M 2  |
| T 3  | 20 42 48 | 9°47'54          | 29°38           | 25°48          | 17°43           | 17°22         | 7°15           | 22°49           | 8° 5          | 0 <b>亚</b> 0   | 6°56          | 15 <b>Ω</b> 54 | 16°11          | 7°51           | 0°55          | T 3  |
| W 4  | 20 46 45 | 10°45'21         | 11 <b>m</b> y31 | 27°32          | 18° 7           | 18° 0         | 7°28           | 22°55           | 8° 7          | 0° 2           | 6°58          | 15°54          | 16° 8          | 7°58           | 1° 3          | W 4  |
| T 5  | 20 50 41 | 11°42'49         | 23°31           | 29°15          | 18°30           | 18°38         | 7°42           | 23° 1           | 8° 9          | 0° 3           | 6°59          | 15°55          | 16° 5          | 8° 5           | 1°11          | T 5  |
| F 6  | 20 54 38 | 12°40'18         | 5 <b>≏</b> 40   | 0 <b>m</b> ,57 | 18°51           | 19°15         | 7°55           | 23° 7           | 8°11          | 0° 5           | 7° 1          | 15°55          | 16° 1          | 8°11           | 1°19          | F 6  |
| S 7  | 20 58 34 | 13°37'47         | 18° 3           | 2°36           | 19°10           | 19°53         | 8° 8           | 23°13           | 8°13          | 0° 7           | 7° 3          | 15°55          | 15°58          | 8°18           | 1°27          | S 7  |
| S 8  | 21 231   | 14°35'18         | 0 <b>M</b> .43  | 4°14           | 19°28           | 20°30         | 8°21           | 23°18           | 8°15          | 0° 8           | 7° 5          | 15°56          | 15°55          | 8°25           | 1°35          | S 8  |
| M 9  | 21 6 28  | 15°32'49         | 13°42           | 5°51           | 19°43           | 21° 7         | 8°35           | 23°24           | 8°17          | 0°10           | 7° 6          | 15°56          | 15°52          | 8°31           | 1°43          | M 9  |
| T 10 | 21 10 24 | 16°30'21         | 27° 5           | 7°26           | 19°57           | 21°44         | 8°48           | 23°30           | 8°18          | 0°12           | 7° 8          | 15°56          | 15°49          | 8°38           | 1°51          | T 10 |
| W11  | 21 14 21 | 17°27'54         | 10 <b>×</b> 752 | 8°59           | 20° 8           | 22°21         | 9° 1           | 23°36           | 8°20          | 0°14           | 7°10          | 15°56          | 15°45          | 8°44           | 1°59          | W11  |
| T 12 | 21 18 17 | 18°25'28         | 25° 5           | 10°31          | 20°18           | 22°58         | 9°14           | 23°41           | 8°22          | 0°15           | 7°11          | 15°56          | 15°42          | 8°51           | 2° 7          | T 12 |
| F 13 | 21 22 14 | 19°23'02         | 9 <b>ප</b> 41   | 12° 1          | 20°25           | 23°34         | 9°27           | 23°47           | 8°24          | 0°17           | 7°13          | 15°56          | 15°39          | 8°58           | 2°15          | F 13 |
| S 14 | 21 26 10 | 20°20'38         | 24°36           | 13°29          | 20°30           | 24°10         | 9°40           | 23°52           | 8°25          | 0°19           | 7°15          | 15°57          | 15°36          | 9° 4           | 2°23          | S 14 |
| S 15 | 21 30 7  | 21°18'15         | 9≈43            | 14°56          | 20°33           | 24°46         | 9°54           | 23°58           | 8°27          | 0°21           | 7°17          | 15°R57         | 15°33          | 9°11           | 2°31          | S 15 |
| M16  | 21 34 4  | 22°15'52         | 24°53           | 16°21          | 20°R33          | 25°22         | 10° 7          | 24° 3           | 8°28          | 0°22           | 7°18          | 15°57          | 15°30          | 9°18           | 2°39          | M16  |
| T 17 | 21 38 0  | 23°13'31         | 9 <b>∺</b> 58   | 17°45          | 20°31           | 25°57         | 10°20          | 24° 8           | 8°30          | 0°24           | 7°20          | 15°56          | 15°26          | 9°24           | 2°48          | T 17 |
| W18  | 21 41 57 | 24°11'12         | 24°48           | 19° 7          | 20°27           | 26°33         | 10°33          | 24°13           | 8°31          | 0°26           | 7°22          | 15°56          | 15°23          | 9°31           | 2°56          | W18  |
| T 19 | 21 45 53 | 25° 8'54         | 9 <b>Ƴ</b> 17   | 20°27          | 20°20           | 27° 8         | 10°46          | 24°19           | 8°32          | 0°28           | 7°23          | 15°55          | 15°20          | 9°38           | 3° 4          | T 19 |
| F 20 | 21 49 50 | 26° 6'37         | 23°20           | 21°45          | 20°11           | 27°43         | 10°59          | 24°24           | 8°34          | 0°30           | 7°25          | 15°53          | 15°17          | 9°44           | 3°12          | F 20 |
| S 21 | 21 53 46 | 27° 4'22         | 6 <b>8</b> 56   | 23° 1          | 20° 0           | 28°17         | 11°12          | 24°28           | 8°35          | 0°32           | 7°27          | 15°52          | 15°14          | 9°51           | 3°20          | S 21 |
| S 22 | 21 57 43 | 28° 2'09         | 20° 6           | 24°16          | 19°46           | 28°52         | 11°25          | 24°33           | 8°36          | 0°34           | 7°28          | 15°52          | 15°10          | 9°58           | 3°29          | S 22 |
| M23  | 22 1 39  | 28°59'57         | 2 <b>Ⅱ</b> 51   | 25°29          | 19°30           | 29°26         | 11°38          | 24°38           | 8°37          | 0°36           | 7°30          | 15°D52         | 15° 7          | 10° 4          | 3°37          | M23  |
| T 24 | 22 5 36  | 29°57'47         | 15°17           | 26°39          | 19°12           | 0 <b>II</b> 0 | 11°51          | 24°43           | 8°39          | 0°38           | 7°31          | 15°52          | 15° 4          | 10°11          | 3°45          | T 24 |
| W25  | 22 9 32  | 0 <b>m</b> 55'39 | 27°26           | 27°48          | 18°51           | 0°34          | 12° 4          | 24°48           | 8°40          | 0°40           | 7°33          | 15°53          | 15° 1          | 10°17          | 3°53          | W25  |
| T 26 | 22 13 29 | 1°53'33          | 99524           | 28°54          | 18°28           | 1° 7          | 12°17          | 24°52           | 8°41          | 0°42           | 7°35          | 15°55          | 14°58          | 10°24          | 4° 2          | T 26 |
| F 27 | 22 17 26 | 2°51'29          | 21°15           | 29°58          | 18° 4           | 1°40          | 12°30          | 24°57           | 8°42          | 0°44           | 7°36          | 15°56          | 14°55          | 10°31          | 4°10          | F 27 |
| S 28 | 22 21 22 | 3°49'26          | 3 <b>N</b> 2    | 1 <b>요</b> 0   | 17°37           | 2°13          | 12°42          | 25° 1           | 8°43          | 0°46           | 7°38          | 15°57          | 14°51          | 10°37          | 4°18          | S 28 |
| S 29 | 22 25 19 | 4°47'24          | 14°49           | 1°59           | 17° 8           | 2°46          | 12°55          | 25° 5           | 8°44          | 0°48           | 7°40          | 15°R58         | 14°48          | 10°44          | 4°26          | S 29 |
| M30  | 22 29 15 | 5°45'25          | 26°39           | 2°56           | 16°38           | 3°18          | 13° 8          | 25° 9           | 8°44          | 0°50           | 7°41          | 15°57          | 14°45          | 10°51          | 4°35          | M30  |
| T 31 | 22 33 12 | 6 <b>₯</b> 43'27 | 8 <b>m</b> /34  | 3 <b>≙</b> 49  | 16Mp 6          | 3 <b>Ⅱ</b> 50 | 13 <b>Ω</b> 21 | 25 <b>Ⅱ</b> 14  | 8 <b>Ⅱ</b> 45 | 0 <b>ჲ</b> 52  | 7 <b>Ω</b> 43 | 15 <b>Ω</b> 56 | 14 <b>Ω</b> 42 | 10 <b>Ω</b> 57 | 4 <b>m</b> 43 | T 31 |

Delta T = 26.27 sec

SEPTEMBER 1943 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ              | φ              | ď              | 4              | ħ              | )Å(           | 并             | В             | n              | v              | ţ              | Q<br>K         | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|------|
| W 1  | 22 37 8  | 7 <b>m</b> 41'30 | 20 <b>m</b> 36  | 4 <b>₽</b> 40  | 15°R33         | 4 <b>Ⅲ</b> 22  | 13 <b>£</b> 33 | 25 <b>Ⅱ</b> 18 | 8Д46          | 0 <b>ჲ</b> 54 | 7 <b>Ω</b> 44 | 15°R53         | 14 <b>Ω</b> 39 | 11 <b>Ω</b> 4  | 4 <b>m</b> /51 | W 1  |
| T 2  | 22 41 5  | 8°39'36          | 2 <b>≏</b> 47   | 5°27           | 14 <b>M</b> 58 | 4°54           | 13°46          | 25°22          | 8°47          | 0°56          | 7°46          | 15 <b>Ω</b> 50 | 14°36          | 11°11          | 5° 0           | T 2  |
| F 3  | 22 45 1  | 9°37'42          | 15° 8           | 6°11           | 14°23          | 5°25           | 13°58          | 25°25          | 8°47          | 0°58          | 7°47          | 15°46          | 14°32          | 11°17          | 5° 8           | F 3  |
| S 4  | 22 48 58 | 10°35'50         | 27°42           | 6°51           | 13°46          | 5°56           | 14°11          | 25°29          | 8°48          | 1° 0          | 7°49          | 15°42          | 14°29          | 11°24          | 5°16           | S 4  |
| S 5  | 22 52 55 | 11°34'00         | 10 <b>M</b> .30 | 7°28           | 13°10          | 6°26           | 14°23          | 25°33          | 8°48          | 1° 2          | 7°50          | 15°39          | 14°26          | 11°31          | 5°24           | S 5  |
| M 6  | 22 56 51 | 12°32'11         | 23°34           | 8° 0           | 12°32          | 6°57           | 14°36          | 25°36          | 8°49          | 1° 5          | 7°52          | 15°37          | 14°23          | 11°37          | 5°33           | M 6  |
| T 7  | 23 0 48  | 13°30'24         | 6 <b>₹</b> 55   | 8°28           | 11°55          | 7°26           | 14°48          | 25°40          | 8°49          | 1° 7          | 7°53          | 15°35          | 14°20          | 11°44          | 5°41           | T 7  |
| W 8  | 23 4 44  | 14°28'38         | 20°35           | 8°51           | 11°18          | 7°56           | 15° 1          | 25°43          | 8°50          | 1° 9          | 7°55          | 15°D35         | 14°16          | 11°51          | 5°49           | W 8  |
| T 9  | 23 8 41  | 15°26'54         | 4 <b>⋜</b> 34   | 9° 9           | 10°42          | 8°25           | 15°13          | 25°47          | 8°50          | 1°11          | 7°56          | 15°36          | 14°13          | 11°57          | 5°57           | T 9  |
| F 10 | 23 12 37 | 16°25'11         | 18°53           | 9°21           | 10° 6          | 8°54           | 15°25          | 25°50          | 8°50          | 1°13          | 7°58          | 15°38          | 14°10          | 12° 4          | 6° 6           | F 10 |
| S 11 | 23 16 34 | 17°23'30         | 3≈29            | 9°28           | 9°31           | 9°23           | 15°37          | 25°53          | 8°51          | 1°15          | 7°59          | 15°39          | 14° 7          | 12°10          | 6°14           | S 11 |
| S 12 | 23 20 30 | 18°21'50         | 18°19           | 9°R29          | 8°57           | 9°51           | 15°49          | 25°56          | 8°51          | 1°17          | 8° 0          | 15°R39         | 14° 4          | 12°17          | 6°22           | S 12 |
| M13  | 23 24 27 | 19°20'12         | 3 <b>∺</b> 15   | 9°24           | 8°24           | 10°19          | 16° 2          | 25°59          | 8°51          | 1°20          | 8° 2          | 15°38          | 14° 1          | 12°24          | 6°30           | M13  |
| T 14 | 23 28 24 | 20°18'36         | 18°11           | 9°12           | 7°53           | 10°46          | 16°14          | 26° 2          | 8°51          | 1°22          | 8° 3          | 15°36          | 13°57          | 12°30          | 6°38           | T 14 |
| W15  | 23 32 20 | 21°17'01         | 2 <b>Υ</b> 58   | 8°53           | 7°24           | 11°13          | 16°26          | 26° 4          | 8°R51         | 1°24          | 8° 4          | 15°31          | 13°54          | 12°37          | 6°47           | W15  |
| T 16 | 23 36 17 | 22°15'29         | 17°29           | 8°27           | 6°56           | 11°40          | 16°37          | 26° 7          | 8°51          | 1°26          | 8° 6          | 15°26          | 13°51          | 12°44          | 6°55           | T 16 |
| F 17 | 23 40 13 | 23°13'58         | 1836            | 7°55           | 6°31           | 12° 7          | 16°49          | 26° 9          | 8°51          | 1°28          | 8° 7          | 15°20          | 13°48          | 12°50          | 7° 3           | F 17 |
| S 18 | 23 44 10 | 24°12'30         | 15°18           | 7°16           | 6° 7           | 12°32          | 17° 1          | 26°12          | 8°51          | 1°31          | 8° 8          | 15°15          | 13°45          | 12°57          | 7°11           | S 18 |
| S 19 | 23 48 6  | 25°11'03         | 28°32           | 6°30           | 5°46           | 12°58          | 17°13          | 26°14          | 8°51          | 1°33          | 8°10          | 15°10          | 13°42          | 13° 4          | 7°19           | S 19 |
| M20  | 23 52 3  | 26° 9'39         | 11 <b>Ⅱ</b> 21  | 5°39           | 5°27           | 13°23          | 17°25          | 26°16          | 8°50          | 1°35          | 8°11          | 15° 7          | 13°38          | 13°10          | 7°27           | M20  |
| T 21 | 23 55 59 | 27° 8'17         | 23°48           | 4°42           | 5°10           | 13°48          | 17°36          | 26°19          | 8°50          | 1°37          | 8°12          | 15°D 6         | 13°35          | 13°17          | 7°35           | T 21 |
| W22  | 23 59 56 | 28° 6'58         | 5 <b>9</b> 57   | 3°42           | 4°56           | 14°12          | 17°48          | 26°21          | 8°50          | 1°40          | 8°13          | 15° 6          | 13°32          | 13°24          | 7°43           | W22  |
| T 23 | 0 3 53   | 29° 5'40         | 17°54           | 2°38           | 4°44           | 14°36          | 17°59          | 26°22          | 8°49          | 1°42          | 8°15          | 15° 8          | 13°29          | 13°30          | 7°51           | T 23 |
| F 24 | 0 7 49   | 0 <b>º</b> 4'25  | 29°43           | 1°32           | 4°35           | 14°59          | 18°11          | 26°24          | 8°49          | 1°44          | 8°16          | 15° 9          | 13°26          | 13°37          | 7°59           | F 24 |
| S 25 | 0 11 46  | 1° 3'12          | 11 <b>\O</b> 30 | 0°27           | 4°28           | 15°22          | 18°22          | 26°26          | 8°48          | 1°46          | 8°17          | 15°R10         | 13°22          | 13°43          | 8° 7           | S 25 |
| S 26 | 0 15 42  | 2° 2'01          | 23°19           | 29 <b>m</b> 23 | 4°23           | 15°44          | 18°33          | 26°27          | 8°48          | 1°49          | 8°18          | 15°10          | 13°19          | 13°50          | 8°15           | S 26 |
| M27  | 0 19 39  | 3° 0'53          | 5 <b>m</b> 13   | 28°22          | 4°D21          | 16° 6          | 18°44          | 26°29          | 8°47          | 1°51          | 8°19          | 15° 8          | 13°16          | 13°57          | 8°23           | M27  |
| T 28 | 0 23 35  | 3°59'46          | 17°17           | 27°26          | 4°22           | 16°27          | 18°55          | 26°30          | 8°47          | 1°53          | 8°20          | 15° 3          | 13°13          | 14° 3          | 8°31           | T 28 |
| W29  | 0 27 32  | 4°58'41          | 29°31           | 26°36          | 4°24           | 16°48          | 19° 6          | 26°31          | 8°46          | 1°55          | 8°21          | 14°57          | 13°10          | 14°10          | 8°38           | W29  |
| T 30 | 0 31 28  | 5 <b>≏</b> 57'39 | 11 <b>≏</b> 58  | 25 Mp 54       | 4 Mp 29        | 17 <b>II</b> 8 | 19 <b>Ω</b> 17 | 26 <b>Ⅱ</b> 33 | 8 <b>Ⅱ</b> 45 | 1 <b>≏</b> 57 | 8 <b>N</b> 22 | 14 <b>Ω</b> 48 | 13 <b>0</b> 7  | 14 <b>Ω</b> 17 | 8 <b>M</b> 46  | T 30 |

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OCTOBER 1943 00:00 UT

| Day  | Sid.t   | $\odot$           | D                | ğ            | φ              | ♂               | 4              | ħ      | )Å(           | 卉            | Р             | v              | Ω              | Ç              | Š               | Day  |
|------|---------|-------------------|------------------|--------------|----------------|-----------------|----------------|--------|---------------|--------------|---------------|----------------|----------------|----------------|-----------------|------|
| F 1  | 0 35 25 | 6₽56'38           | 24 <b>♀</b> 37   | 25°R21       | 4 Mp 36        | 17 <b>Ⅲ</b> 28  | 19 <b>Ω</b> 28 | 26耳34  | 8°R44         | 2 <b>₽</b> 0 | 8 <b>Ω</b> 24 | 14°R39         | 13 <b>N</b> 3  | 14Ω23          | 8 <b>m</b> ) 54 | F 1  |
| S 2  | 0 39 21 | 7°55'40           | 7 <b>™</b> 30    | 24 Mp 58     | 4°46           | 17°47           | 19°39          | 26°35  | 8 <b>Ⅱ</b> 44 | 2° 2         | 8°25          | 14 <b>Ω</b> 29 | 13° 0          | 14°30          | 9° 2            | S 2  |
| S 3  | 0 43 18 | 8°54'43           | 20°35            | 24°44        | 4°57           | 18° 6           | 19°50          | 26°35  | 8°43          | 2° 4         | 8°26          | 14°20          | 12°57          | 14°37          | 9° 9            | S 3  |
| M 4  | 0 47 15 | 9°53'49           | 3 <b>₹</b> 52    | 24°D41       | 5°11           | 18°24           | 20° 0          | 26°36  | 8°42          | 2° 6         | 8°26          | 14°13          | 12°54          | 14°43          | 9°17            | M 4  |
| T 5  | 0 51 11 | 10°52'56          | 17°21            | 24°49        | 5°26           | 18°41           | 20°11          | 26°37  | 8°41          | 2° 9         | 8°27          | 14° 9          | 12°51          | 14°50          | 9°25            | T 5  |
| W 6  | 0 55 8  | 11°52'05          | 1る 3             | 25° 7        | 5°44           | 18°58           | 20°21          | 26°37  | 8°40          | 2°11         | 8°28          | 14° 6          | 12°47          | 14°57          | 9°32            | W 6  |
| T 7  | 0 59 4  | 12°51'15          | 14°56            | 25°35        | 6° 4           | 19°15           | 20°32          | 26°37  | 8°39          | 2°13         | 8°29          | 14°D 6         | 12°44          | 15° 3          | 9°40            | T 7  |
| F 8  | 1 3 1   | 13°50'28          | 29° 1            | 26°12        | 6°25           | 19°30           | 20°42          | 26°38  | 8°38          | 2°15         | 8°30          | 14° 6          | 12°41          | 15°10          | 9°47            | F 8  |
| S 9  | 1 6 57  | 14°49'42          | 13 <b>≈</b> 18   | 26°58        | 6°48           | 19°45           | 20°52          | 26°38  | 8°36          | 2°17         | 8°31          | 14°R 7         | 12°38          | 15°16          | 9°55            | S 9  |
| S 10 | 1 10 54 | 15°48'57          | 27°44            | 27°52        | 7°13           | 20° 0           | 21° 2          | 26°R38 | 8°35          | 2°20         | 8°32          | 14° 6          | 12°35          | 15°23          | 10° 2           | S 10 |
| M11  | 1 14 50 | 16°48'15          | 12 <b>) (</b> 17 | 28°54        | 7°40           | 20°13           | 21°12          | 26°38  | 8°34          | 2°22         | 8°33          | 14° 3          | 12°32          | 15°30          | 10° 9           | M11  |
| T 12 | 1 18 47 | 17°47'34          | 26°51            | 0 <b>♀</b> 2 | 8° 8           | 20°26           | 21°22          | 26°38  | 8°33          | 2°24         | 8°33          | 13°58          | 12°28          | 15°36          | 10°17           | T 12 |
| W13  | 1 22 44 | 18°46'56          | 11 <b>Y</b> 20   | 1°15         | 8°38           | 20°39           | 21°32          | 26°37  | 8°31          | 2°26         | 8°34          | 13°49          | 12°25          | 15°43          | 10°24           | W13  |
| T 14 | 1 26 40 | 19°46'19          | 25°38            | 2°34         | 9°10           | 20°50           | 21°41          | 26°37  | 8°30          | 2°28         | 8°35          | 13°39          | 12°22          | 15°50          | 10°31           | T 14 |
| F 15 | 1 30 37 | 20°45'44          | 9 <b>8</b> 38    | 3°58         | 9°43           | 21° 1           | 21°51          | 26°36  | 8°28          | 2°30         | 8°36          | 13°28          | 12°19          | 15°56          | 10°38           | F 15 |
| S 16 | 1 34 33 | 21°45'12          | 23°16            | 5°25         | 10°17          | 21°12           | 22° 0          | 26°36  | 8°27          | 2°32         | 8°36          | 13°18          | 12°16          | 16° 3          | 10°45           | S 16 |
| S 17 | 1 38 30 | 22°44'42          | 6 <b>川</b> 30    | 6°55         | 10°53          | 21°21           | 22° 9          | 26°35  | 8°25          | 2°35         | 8°37          | 13° 8          | 12°13          | 16°10          | 10°53           | S 17 |
| M18  | 1 42 26 | 23°44'14          | 19°21            | 8°28         | 11°30          | 21°30           | 22°19          | 26°34  | 8°24          | 2°37         | 8°38          | 13° 1          | 12° 9          | 16°16          | 11° 0           | M18  |
| T 19 | 1 46 23 | 24°43'48          | 1 <b>95</b> 49   | 10° 3        | 12° 8          | 21°38           | 22°28          | 26°33  | 8°22          | 2°39         | 8°38          | 12°56          | 12° 6          | 16°23          | 11° 6           | T 19 |
| W20  | 1 50 19 | 25°43'25          | 14° 0            | 11°39        | 12°48          | 21°45           | 22°37          | 26°32  | 8°21          | 2°41         | 8°39          | 12°54          | 12° 3          | 16°30          | 11°13           | W20  |
| T 21 | 1 54 16 | 26°43'03          | 25°57            | 13°17        | 13°28          | 21°52           | 22°46          | 26°31  | 8°19          | 2°43         | 8°39          | 12°D53         | 12° 0          | 16°36          | 11°20           | T 21 |
| F 22 | 1 58 13 | 27°42'44          | $7\Omega_{46}$   | 14°56        | 14°10          | 21°57           | 22°54          | 26°30  | 8°17          | 2°45         | 8°40          | 12°R54         | 11°57          | 16°43          | 11°27           | F 22 |
| S 23 | 2 2 9   | 28°42'28          | 19°34            | 16°36        | 14°53          | 22° 2           | 23° 3          | 26°28  | 8°16          | 2°47         | 8°40          | 12°53          | 11°53          | 16°49          | 11°34           | S 23 |
| S 24 | 2 6 6   | 29°42'13          | 1 Mp 24          | 18°16        | 15°37          | 22° 6           | 23°12          | 26°27  | 8°14          | 2°49         | 8°41          | 12°52          | 11°50          | 16°56          | 11°40           | S 24 |
| M25  | 2 10 2  | 0 <b>M</b> .42'01 | 13°23            | 19°57        | 16°22          | 22° 9           | 23°20          | 26°25  | 8°12          | 2°51         | 8°41          | 12°48          | 11°47          | 17° 3          | 11°47           | M25  |
| T 26 | 2 13 59 | 1°41'51           | 25°34            | 21°38        | 17° 8          | 22°12           | 23°28          | 26°23  | 8°10          | 2°53         | 8°42          | 12°42          | 11°44          | 17° 9          | 11°53           | T 26 |
| W27  | 2 17 55 | 2°41'43           | 7 <b>≙</b> 59    | 23°19        | 17°55          | 22°13           | 23°36          | 26°22  | 8° 8          | 2°55         | 8°42          | 12°33          | 11°41          | 17°16          | 12° 0           | W27  |
| T 28 | 2 21 52 | 3°41'37           | 20°42            | 25° 0        | 18°43          | 22°R14          | 23°44          | 26°20  | 8° 6          | 2°57         | 8°43          | 12°21          | 11°38          | 17°23          | 12° 6           | T 28 |
| F 29 | 2 25 48 | 4°41'33           | 3 <b>M</b> .41   | 26°41        | 19°32          | 22°14           | 23°52          | 26°18  | 8° 4          | 2°59         | 8°43          | 12° 8          | 11°34          | 17°29          | 12°13           | F 29 |
| S 30 | 2 29 45 | 5°41'31           | 16°57            | 28°21        | 20°21          | 22°13           | 24° 0          | 26°15  | 8° 2          | 3° 1         | 8°43          | 11°55          | 11°31          | 17°36          | 12°19           | S 30 |
| S 31 | 2 33 41 | 6 <b>M</b> 41'31  | 0 <b>∡</b> 726   | OM 2         | 21 <b>m</b> 12 | 22 <b>I</b> I11 | 24 <b>Ω</b> 8  | 26耳13  | 8 <b>II</b> 0 | 3 <b>₾</b> 3 | 8 <b>Ω</b> 44 | 11 <b>£</b> 42 | 11 <b>Ω</b> 28 | 17 <b>Ω</b> 43 | 12 <b>M</b> 25  | S 31 |

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| Day  | Sid.t   | 0                | D              | ğ               | ·              | ♂ <sup>™</sup> | 4              | ħ      | )Й(            | 并             | Р             | ů              | v              | Ç              | o<br>k          | Day  |
|------|---------|------------------|----------------|-----------------|----------------|----------------|----------------|--------|----------------|---------------|---------------|----------------|----------------|----------------|-----------------|------|
| M 1  | 2 37 38 | 7 <b>M</b> 41'32 | 14 <b>₹</b> 6  | 1 <b>M</b> .42  | 22 m) 3        | 22°R 8         | 24 <b>Ω</b> 15 | 26°R11 | 7°R58          | 3 <b>₾</b> 5  | 8 <b>Ω</b> 44 | 11°R32         | 11 <b>Ω</b> 25 | 17 <b>Ω</b> 49 | 12 <b>m</b> y31 | M 1  |
| T 2  | 2 41 35 | 8°41'36          | 27°55          | 3°21            | 22°55          | 22 <b>II</b> 4 | 24°22          | 26Ⅱ 8  | 7 <b>II</b> 56 | 3° 7          | 8°44          | 11 <b>Ω</b> 25 | 11°22          | 17°56          | 12°37           | T 2  |
| W 3  | 2 45 31 | 9°41'41          | 11 <b>る</b> 50 | 5° 1            | 23°47          | 21°59          | 24°30          | 26° 6  | 7°54           | 3° 9          | 8°44          | 11°21          | 11°18          | 18° 3          | 12°43           | W 3  |
| T 4  | 2 49 28 | 10°41'48         | 25°49          | 6°40            | 24°40          | 21°54          | 24°37          | 26° 3  | 7°52           | 3°11          | 8°45          | 11°19          | 11°15          | 18° 9          | 12°49           | T 4  |
| F 5  | 2 53 24 | 11°41'56         | 9 <b>≈</b> 52  | 8°18            | 25°34          | 21°47          | 24°44          | 26° 1  | 7°50           | 3°13          | 8°45          | 11°18          | 11°12          | 18°16          | 12°55           | F 5  |
| S 6  | 2 57 21 | 12°42'06         | 23°58          | 9°56            | 26°29          | 21°40          | 24°50          | 25°58  | 7°47           | 3°14          | 8°45          | 11°18          | 11° 9          | 18°23          | 13° 1           | S 6  |
| S 7  | 3 1 17  | 13°42'17         | 8 <b>∺</b> 6   | 11°34           | 27°24          | 21°32          | 24°57          | 25°55  | 7°45           | 3°16          | 8°45          | 11°17          | 11° 6          | 18°29          | 13° 6           | S 7  |
| M 8  | 3 5 14  | 14°42'29         | 22°15          | 13°11           | 28°20          | 21°23          | 25° 4          | 25°52  | 7°43           | 3°18          | 8°45          | 11°13          | 11° 3          | 18°36          | 13°12           | M 8  |
| T 9  | 3 9 10  | 15°42'43         | 6 <b>Υ</b> 22  | 14°48           | 29°16          | 21°13          | 25°10          | 25°49  | 7°41           | 3°20          | 8°45          | 11° 7          | 10°59          | 18°42          | 13°17           | T 9  |
| W10  | 3 13 7  | 16°42'59         | 20°24          | 16°25           | 0 <b>ჲ</b> 13  | 21° 2          | 25°16          | 25°45  | 7°38           | 3°21          | 8°R45         | 10°57          | 10°56          | 18°49          | 13°23           | W10  |
| T 11 | 3 17 4  | 17°43'16         | 4818           | 18° 1           | 1°11           | 20°50          | 25°22          | 25°42  | 7°36           | 3°23          | 8°45          | 10°46          | 10°53          | 18°56          | 13°28           | T 11 |
| F 12 | 3 21 0  | 18°43'35         | 17°58          | 19°37           | 2° 9           | 20°38          | 25°28          | 25°39  | 7°34           | 3°25          | 8°45          | 10°33          | 10°50          | 19° 2          | 13°34           | F 12 |
| S 13 | 3 24 57 | 19°43'56         | 1 <b>Ⅱ</b> 22  | 21°13           | 3° 7           | 20°25          | 25°34          | 25°35  | 7°31           | 3°27          | 8°45          | 10°20          | 10°47          | 19° 9          | 13°39           | S 13 |
| S 14 | 3 28 53 | 20°44'18         | 14°27          | 22°48           | 4° 7           | 20°11          | 25°39          | 25°32  | 7°29           | 3°28          | 8°45          | 10° 9          | 10°44          | 19°16          | 13°44           | S 14 |
| M15  | 3 32 50 | 21°44'42         | 27°11          | 24°23           | 5° 6           | 19°56          | 25°45          | 25°28  | 7°27           | 3°30          | 8°45          | 10° 0          | 10°40          | 19°22          | 13°49           | M15  |
| T 16 | 3 36 46 | 22°45'08         | 9937           | 25°58           | 6° 6           | 19°40          | 25°50          | 25°25  | 7°24           | 3°31          | 8°45          | 9°53           | 10°37          | 19°29          | 13°54           | T 16 |
| W17  | 3 40 43 | 23°45'36         | 21°47          | 27°32           | 7° 7           | 19°24          | 25°55          | 25°21  | 7°22           | 3°33          | 8°44          | 9°50           | 10°34          | 19°36          | 13°59           | W17  |
| T 18 | 3 44 39 | 24°46'05         | 3 <b>Ω</b> 44  | 29° 7           | 8° 8           | 19° 7          | 26° 0          | 25°17  | 7°19           | 3°35          | 8°44          | 9°48           | 10°31          | 19°42          | 14° 3           | T 18 |
| F 19 | 3 48 36 | 25°46'37         | 15°34          | 0 <b>∡</b> 741  | 9° 9           | 18°49          | 26° 4          | 25°13  | 7°17           | 3°36          | 8°44          | 9°D48          | 10°28          | 19°49          | 14° 8           | F 19 |
| S 20 | 3 52 33 | 26°47'10         | 27°22          | 2°14            | 10°11          | 18°31          | 26° 9          | 25° 9  | 7°14           | 3°38          | 8°44          | 9°R48          | 10°24          | 19°56          | 14°13           | S 20 |
| S 21 | 3 56 29 | 27°47'45         | 9 <b>m</b> 13  | 3°48            | 11°13          | 18°12          | 26°13          | 25° 5  | 7°12           | 3°39          | 8°44          | 9°48           | 10°21          | 20° 2          | 14°17           | S 21 |
| M22  | 4 0 26  | 28°48'21         | 21°13          | 5°21            | 12°15          | 17°52          | 26°18          | 25° 1  | 7° 9           | 3°41          | 8°43          | 9°45           | 10°18          | 20° 9          | 14°21           | M22  |
| T 23 | 4 4 22  | 29°48'59         | 3 <b>≏</b> 26  | 6°54            | 13°18          | 17°32          | 26°22          | 24°57  | 7° 7           | 3°42          | 8°43          | 9°40           | 10°15          | 20°15          | 14°26           | T 23 |
| W24  | 4 8 19  | 0 <b>₮</b> 49'39 | 15°58          | 8°27            | 14°21          | 17°11          | 26°25          | 24°52  | 7° 4           | 3°43          | 8°43          | 9°33           | 10°12          | 20°22          | 14°30           | W24  |
| T 25 | 4 12 15 | 1°50'21          | 28°50          | 10° 0           | 15°25          | 16°50          | 26°29          | 24°48  | 7° 2           | 3°45          | 8°42          | 9°23           | 10° 9          | 20°29          | 14°34           | T 25 |
| F 26 | 4 16 12 | 2°51'04          | 12 <b>M</b> 4  | 11°33           | 16°29          | 16°28          | 26°33          | 24°44  | 6°59           | 3°46          | 8°42          | 9°12           | 10° 5          | 20°35          | 14°38           | F 26 |
| S 27 | 4 20 8  | 3°51'48          | 25°39          | 13° 6           | 17°33          | 16° 6          | 26°36          | 24°39  | 6°57           | 3°48          | 8°41          | 9° 0           | 10° 2          | 20°42          | 14°42           | S 27 |
| S 28 | 4 24 5  | 4°52'34          | 9 <b>∡</b> 32  | 14°38           | 18°38          | 15°44          | 26°39          | 24°35  | 6°54           | 3°49          | 8°41          | 8°50           | 9°59           | 20°49          | 14°46           | S 28 |
| M29  | 4 28 2  | 5°53'21          | 23°39          | 16°10           | 19°43          | 15°21          | 26°42          | 24°30  | 6°52           | 3°50          | 8°40          | 8°41           | 9°56           | 20°55          | 14°49           | M29  |
| T 30 | 4 31 58 | 6 <b>₮</b> 54'10 | 7 <b>る</b> 54  | 17 <b>,</b> 743 | 20 <b>≏</b> 48 | 14∏59          | 26 <b>Ω</b> 45 | 24∏26  | 6 <b>Ⅱ</b> 49  | 3 <b>≏</b> 51 | 8 <b>Ω</b> 40 | 8 <b>Ω</b> 34  | 9 <b>£</b> 53  | 210 2          | 14 <b>m</b> 53  | T 30 |

Delta T = 26.41 sec

DECEMBER 1943 00:00 UT

| Day  | Sid.t   | $\odot$            | Ŋ               | φ              | φ              | o <sup>7</sup> | 4              | ħ               | )∤(           | ¥             | 5            | R            | Ω             | ţ              | Š        | Day  |
|------|---------|--------------------|-----------------|----------------|----------------|----------------|----------------|-----------------|---------------|---------------|--------------|--------------|---------------|----------------|----------|------|
| W 1  | 4 35 55 | 7 <b>.₹</b> 154'59 | 22 <b>궁</b> 14  | 19 <b>∡</b> 15 | 21 <b>≏</b> 53 | 14°R36         | 26 <b>Ω</b> 47 | 24°R21          | 6°R47         | 3 <b>₾</b> 53 | 8°R39        | 8°R31        | 9 <b>Ω</b> 50 | 21 <b>Ω</b> 9  | 14 Mp 56 | W 1  |
| T 2  | 4 39 51 | 8°55'50            | 6≈33            | 20°47          | 22°59          | 14 <b>Ⅱ</b> 13 | 26°50          | 24Ⅱ17           | 6∐44          | 3°54          | $8\Omega$ 39 | 8°D30        | 9°46          | 21°15          | 15° 0    | T 2  |
| F 3  | 4 43 48 | 9°56'41            | 20°48           | 22°18          | 24° 5          | 13°49          | 26°52          | 24°12           | 6°42          | 3°55          | 8°38         | $8\Omega$ 30 | 9°43          | 21°22          | 15° 3    | F 3  |
| S 4  | 4 47 44 | 10°57'33           | 4 <b>) (</b> 57 | 23°50          | 25°11          | 13°26          | 26°54          | 24° 7           | 6°39          | 3°56          | 8°38         | 8°R31        | 9°40          | 21°29          | 15° 6    | S 4  |
| S 5  | 4 51 41 | 11°58'26           | 18°59           | 25°21          | 26°18          | 13° 3          | 26°56          | 24° 2           | 6°37          | 3°57          | 8°37         | 8°31         | 9°37          | 21°35          | 15° 9    | S 5  |
| M 6  | 4 55 38 | 12°59'20           | 2 <b>Y</b> 53   | 26°52          | 27°24          | 12°40          | 26°58          | 23°58           | 6°34          | 3°58          | 8°36         | 8°29         | 9°34          | 21°42          | 15°12    | M 6  |
| T 7  | 4 59 34 | 14° 0'14           | 16°40           | 28°23          | 28°31          | 12°17          | 26°59          | 23°53           | 6°32          | 3°59          | 8°36         | 8°25         | 9°30          | 21°49          | 15°15    | T 7  |
| W 8  | 5 3 31  | 15° 1'09           | 0 <b>8</b> 17   | 29°53          | 29°38          | 11°55          | 27° 0          | 23°48           | 6°29          | 4° 0          | 8°35         | 8°18         | 9°27          | 21°55          | 15°18    | W 8  |
| T 9  | 5 7 27  | 16° 2'05           | 13°44           | 1 <b>る</b> 23  | 0 <b>M</b> .46 | 11°32          | 27° 1          | 23°43           | 6°27          | 4° 1          | 8°34         | 8°10         | 9°24          | 22° 2          | 15°20    | T 9  |
| F 10 | 5 11 24 | 17° 3'01           | 26°58           | 2°53           | 1°53           | 11°10          | 27° 2          | 23°38           | 6°24          | 4° 2          | 8°34         | 8° 0         | 9°21          | 22° 9          | 15°23    | F 10 |
| S 11 | 5 15 20 | 18° 3'59           | 10 <b>II</b> 0  | 4°22           | 3° 1           | 10°48          | 27° 3          | 23°33           | 6°22          | 4° 3          | 8°33         | 7°51         | 9°18          | 22°15          | 15°25    | S 11 |
| S 12 | 5 19 17 | 19° 4'57           | 22°47           | 5°50           | 4° 9           | 10°27          | 27° 3          | 23°28           | 6°19          | 4° 4          | 8°32         | 7°42         | 9°15          | 22°22          | 15°27    | S 12 |
| M13  | 5 23 13 | 20° 5'57           | 59919           | 7°17           | 5°17           | 10° 6          | 27° 4          | 23°23           | 6°17          | 4° 5          | 8°31         | 7°36         | 9°11          | 22°28          | 15°29    | M13  |
| T 14 | 5 27 10 | 21° 6'57           | 17°36           | 8°44           | 6°26           | 9°45           | 27°R 4         | 23°19           | 6°14          | 4° 6          | 8°30         | 7°31         | 9° 8          | 22°35          | 15°32    | T 14 |
| W15  | 5 31 7  | 22° 7'58           | 29°42           | 10° 9          | 7°34           | 9°25           | 27° 4          | 23°14           | 6°12          | 4° 6          | 8°29         | 7°29         | 9° 5          | 22°42          | 15°33    | W15  |
| T 16 | 5 35 3  | 23° 8'59           | 11 <b>Ω</b> 37  | 11°33          | 8°43           | 9° 5           | 27° 3          | 23° 9           | 6°10          | 4° 7          | 8°29         | 7°D29        | 9° 2          | 22°48          | 15°35    | T 16 |
| F 17 | 5 39 0  | 24°10'02           | 23°26           | 12°55          | 9°52           | 8°46           | 27° 3          | 23° 4           | 6° 7          | 4° 8          | 8°28         | 7°30         | 8°59          | 22°55          | 15°37    | F 17 |
| S 18 | 5 42 56 | 25°11'06           | 5 <b>m</b> 13   | 14°15          | 11° 1          | 8°28           | 27° 2          | 22°59           | 6° 5          | 4° 8          | 8°27         | 7°32         | 8°56          | 23° 2          | 15°39    | S 18 |
| S 19 | 5 46 53 | 26°12'10           | 17° 4           | 15°34          | 12°10          | 8°10           | 27° 1          | 22°54           | 6° 2          | 4° 9          | 8°26         | 7°33         | 8°52          | 23° 8          | 15°40    | S 19 |
| M20  | 5 50 49 | 27°13'15           | 29° 2           | 16°49          | 13°20          | 7°53           | 27° 0          | 22°49           | 6° 0          | 4°10          | 8°25         | 7°R33        | 8°49          | 23°15          | 15°41    | M20  |
| T 21 | 5 54 46 | 28°14'21           | 11 <b>≏</b> 14  | 18° 1          | 14°29          | 7°36           | 26°59          | 22°44           | 5°58          | 4°10          | 8°24         | 7°32         | 8°46          | 23°22          | 15°43    | T 21 |
| W22  | 5 58 42 | 29°15'28           | 23°44           | 19°10          | 15°39          | 7°21           | 26°57          | 22°39           | 5°56          | 4°11          | 8°23         | 7°30         | 8°43          | 23°28          | 15°44    | W22  |
| T 23 | 6 2 39  | 0중16'36            | 6M37            | 20°15          | 16°49          | 7° 6           | 26°56          | 22°34           | 5°53          | 4°11          | 8°22         | 7°25         | 8°40          | 23°35          | 15°45    | T 23 |
| F 24 | 6 6 36  | 1°17'44            | 19°54           | 21°15          | 17°59          | 6°51           | 26°54          | 22°29           | 5°51          | 4°12          | 8°21         | 7°20         | 8°36          | 23°42          | 15°46    | F 24 |
| S 25 | 6 10 32 | 2°18'53            | 3 <b>∡</b> 37   | 22° 9          | 19° 9          | 6°38           | 26°52          | 22°24           | 5°49          | 4°12          | 8°20         | 7°14         | 8°33          | 23°48          | 15°47    | S 25 |
| S 26 | 6 14 29 | 3°20'03            | 1 <u>7°</u> 44  | 22°57          | 20°20          | 6°25           | 26°50          | 22°20           | 5°47          | 4°13          | 8°19         | 7° 8         | 8°30          | 23°55          | 15°47    | S 26 |
| M27  | 6 18 25 | 4°21'13            | 2 <b>ਰ</b> 11   | 23°38          | 21°30          | 6°13           | 26°47          | 22°15           | 5°45          | 4°13          | 8°18         | 7° 4         | 8°27          | 24° 2          | 15°48    | M27  |
| T 28 | 6 22 22 | 5°22'23            | 16°51           | 24°10          | 22°41          | 6° 2           | 26°44          | 22°10           | 5°42          | 4°13          | 8°16         | 7° 0         | 8°24          | 24° 8          | 15°48    | T 28 |
| W29  | 6 26 18 | 6°23'33            | 1≈38            | 24°34          | 23°51          | 5°51           | 26°42          | 22° 5           | 5°40          | 4°14          | 8°15         | 6°D59        | 8°21          | 24°15          | 15°48    | W29  |
| T 30 | 6 30 15 | 7°24'44            | 16°24           | 24°47          | 25° 2          | 5°42           | 26°39          | 22° 1           | 5°38          | 4°14          | 8°14         | 6°59         | 8°17          | 24°22          | 15°49    | T 30 |
| F 31 | 6 34 11 | 8 <b>ප්</b> 25'54  | 1 <b>∺</b> 3    | 24°R50         | 26M13          | 5 <b>Ⅱ</b> 33  | 26 <b>Ω</b> 35 | 21 <b>II</b> 56 | 5 <b>Ⅱ</b> 36 | 4 <b>≏</b> 14 | $8\Omega$ 13 | $7\Omega$ 0  | 8 <b>Ω</b> 14 | 24 <b>Ω</b> 28 | 15°R49   | F 31 |

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JANUARY 1944 00:00 UT

| Day  | Sid.t   | 0                | D              | ğ              | Ş              | ♂             | 4              | ħ               | )Å(           | 卉             | Р             | 'n            | Ω             | ţ              | ę,              | Day  |
|------|---------|------------------|----------------|----------------|----------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|---------------|----------------|-----------------|------|
| S 1  | 6 38 8  | 9 <b>ප</b> 27'04 | 15 <b>米</b> 29 | 24°R42         | 27 <b>M</b> 24 | 5°R25         | 26°R32         | 21°R51          | 5°R34         | 4 <b>₽</b> 14 | 8°R12         | 7 <b>Ω</b> 2  | 8 <b>N</b> 11 | 24 <b>N</b> 35 | 15°R49          | S 1  |
| S 2  | 6 42 5  | 10°28'14         | 29°40          | 24 <b>궁</b> 22 | 28°35          | 5 <b>Ⅱ</b> 18 | 26₽28          | 21 <b>II</b> 47 | 5 <b>Ⅱ</b> 32 | 4°15          | 8 <b>N</b> 11 | 7° 3          | 8° 8          | 24°41          | 15 <b>M</b> p49 | S 2  |
| M 3  | 6 46 1  | 11°29'24         | 13 <b>Y</b> 35 | 23°50          | 29°46          | 5°12          | 26°25          | 21°42           | 5°30          | 4°15          | 8° 9          | 7°R 4         | 8° 5          | 24°48          | 15°48           | M 3  |
| T 4  | 6 49 58 | 12°30'33         | 27°13          | 23° 6          | 0 <b>∡</b> 757 | 5° 7          | 26°21          | 21°38           | 5°29          | 4°15          | 8°8           | 7° 3          | 8° 2          | 24°55          | 15°48           | T 4  |
| W 5  | 6 53 54 | 13°31'43         | 10834          | 22°12          | 2° 9           | 5° 2          | 26°17          | 21°33           | 5°27          | 4°15          | 8° 7          | 7° 1          | 7°58          | 25° 1          | 15°47           | W 5  |
| T 6  | 6 57 51 | 14°32'51         | 23°41          | 21° 8          | 3°20           | 4°58          | 26°12          | 21°29           | 5°25          | 4°R15         | 8° 6          | 6°58          | 7°55          | 25° 8          | 15°47           | T 6  |
| F 7  | 7 1 47  | 15°34'00         | 6 <b>Ⅱ</b> 33  | 19°57          | 4°32           | 4°55          | 26° 8          | 21°25           | 5°23          | 4°15          | 8° 5          | 6°54          | 7°52          | 25°15          | 15°46           | F 7  |
| S 8  | 7 5 44  | 16°35'08         | 19°12          | 18°40          | 5°43           | 4°53          | 26° 3          | 21°21           | 5°21          | 4°15          | 8° 3          | 6°51          | 7°49          | 25°21          | 15°45           | S 8  |
| S 9  | 7 9 40  | 17°36'16         | 1939           | 17°20          | 6°55           | 4°52          | 25°58          | 21°16           | 5°20          | 4°15          | 8° 2          | 6°48          | 7°46          | 25°28          | 15°44           | S 9  |
| M10  | 7 13 37 | 18°37'24         | 13°55          | 16° 0          | 8° 7           | 4°D51         | 25°53          | 21°12           | 5°18          | 4°15          | 8° 1          | 6°46          | 7°42          | 25°35          | 15°43           | M10  |
| T 11 | 7 17 34 | 19°38'31         | 26° 1          | 14°42          | 9°19           | 4°52          | 25°48          | 21° 8           | 5°16          | 4°14          | 7°59          | 6°44          | 7°39          | 25°41          | 15°42           | T 11 |
| W12  | 7 21 30 | 20°39'39         | $7\Omega$ 59   | 13°28          | 10°30          | 4°53          | 25°43          | 21° 4           | 5°15          | 4°14          | 7°58          | 6°D44         | 7°36          | 25°48          | 15°41           | W12  |
| T 13 | 7 25 27 | 21°40'46         | 19°51          | 12°21          | 11°42          | 4°54          | 25°38          | 21° 0           | 5°13          | 4°14          | 7°57          | 6°45          | 7°33          | 25°55          | 15°39           | T 13 |
| F 14 | 7 29 23 | 22°41'52         | 1 <b>m</b> 39  | 11°21          | 12°55          | 4°57          | 25°32          | 20°56           | 5°12          | 4°14          | 7°56          | 6°46          | 7°30          | 26° 1          | 15°38           | F 14 |
| S 15 | 7 33 20 | 23°42'59         | 13°27          | 10°30          | 14° 7          | 5° 0          | 25°26          | 20°53           | 5°10          | 4°14          | 7°54          | 6°47          | 7°27          | 26° 8          | 15°36           | S 15 |
| S 16 | 7 37 16 | 24°44'05         | 25°17          | 9°49           | 15°19          | 5° 4          | 25°20          | 20°49           | 5° 9          | 4°13          | 7°53          | 6°48          | 7°23          | 26°15          | 15°34           | S 16 |
| M17  | 7 41 13 | 25°45'10         | 7 <b>≏</b> 15  | 9°18           | 16°31          | 5° 9          | 25°14          | 20°45           | 5° 8          | 4°13          | 7°52          | 6°49          | 7°20          | 26°21          | 15°32           | M17  |
| T 18 | 7 45 9  | 26°46'16         | 19°25          | 8°56           | 17°44          | 5°14          | 25° 8          | 20°42           | 5° 6          | 4°12          | 7°50          | 6°50          | 7°17          | 26°28          | 15°30           | T 18 |
| W19  | 7 49 6  | 27°47'21         | 1 <b>M</b> .51 | 8°43           | 18°56          | 5°20          | 25° 2          | 20°39           | 5° 5          | 4°12          | 7°49          | 6°R50         | 7°14          | 26°35          | 15°28           | W19  |
| T 20 | 7 53 3  | 28°48'26         | 14°38          | 8°D39          | 20° 9          | 5°27          | 24°56          | 20°35           | 5° 4          | 4°12          | 7°47          | 6°49          | 7°11          | 26°41          | 15°26           | T 20 |
| F 21 | 7 56 59 | 29°49'31         | 27°49          | 8°43           | 21°21          | 5°34          | 24°49          | 20°32           | 5° 3          | 4°11          | 7°46          | 6°49          | 7° 8          | 26°48          | 15°24           | F 21 |
| S 22 | 8 0 56  | 0≈50'36          | 11 <b>×</b> 27 | 8°55           | 22°34          | 5°42          | 24°42          | 20°29           | 5° 2          | 4°11          | 7°45          | 6°48          | 7° 4          | 26°55          | 15°22           | S 22 |
| S 23 | 8 4 52  | 1°51'40          | 25°33          | 9°14           | 23°46          | 5°51          | 24°36          | 20°26           | 5° 0          | 4°10          | 7°43          | 6°47          | 7° 1          | 27° 1          | 15°19           | S 23 |
| M24  | 8 8 49  | 2°52'43          | 10る 3          | 9°39           | 24°59          | 6° 0          | 24°29          | 20°23           | 4°59          | 4°10          | 7°42          | 6°47          | 6°58          | 27° 8          | 15°17           | M24  |
| T 25 | 8 12 45 | 3°53'46          | 24°54          | 10°11          | 26°12          | 6°10          | 24°22          | 20°20           | 4°58          | 4° 9          | 7°41          | 6°47          | 6°55          | 27°14          | 15°14           | T 25 |
| W26  | 8 16 42 | 4°54'48          | 9≈58           | 10°47          | 27°25          | 6°21          | 24°15          | 20°17           | 4°58          | 4° 8          | 7°39          | 6°D47         | 6°52          | 27°21          | 15°11           | W26  |
| T 27 | 8 20 38 | 5°55'49          | 25° 6          | 11°29          | 28°37          | 6°32          | 24° 8          | 20°14           | 4°57          | 4° 8          | 7°38          | 6°47          | 6°48          | 27°28          | 15° 8           | T 27 |
| F 28 | 8 24 35 | 6°56'50          | 10 <b>米</b> 9  | 12°15          | 29°50          | 6°44          | 24° 0          | 20°12           | 4°56          | 4° 7          | 7°36          | 6°R47         | 6°45          | 27°34          | 15° 5           | F 28 |
| S 29 | 8 28 32 | 7°57'49          | 24°59          | 13° 5          | 1る 3           | 6°56          | 23°53          | 20° 9           | 4°55          | 4° 6          | 7°35          | 6°47          | 6°42          | 27°41          | 15° 2           | S 29 |
| S 30 | 8 32 28 | 8°58'46          | 9Υ29           | 13°58          | 2°16           | 7° 9          | 23°45          | 20° 7           | 4°54          | 4° 5          | 7°34          | 6°47          | 6°39          | 27°48          | 14°59           | S 30 |
| M31  | 8 36 25 | 9≈59'43          | 23 <b>Y</b> 36 | 14 <b>궁</b> 55 | 3 <b>ට</b> 29  | 7 <b>Ⅱ</b> 22 | 23 <b>N</b> 38 | 20耳 4           | 4 <b>∏</b> 54 | 4 <b>º</b> 5  | $7\Omega$ 32  | 6 <b>Ω</b> 46 | 6 <b>Ω</b> 36 | 27 <b>Ω</b> 54 | 14 <b>M</b> 56  | M31  |

Delta T = 26.51 sec

FEBRUARY 1944 00:00 UT

| Day  | Sid.t    | 0                  | D                      | ğ              | φ             | ♂              | 4              | ħ              | )f(           | ¥             | Р             | r             | Ω             | Ç              | Š.             | Day          |
|------|----------|--------------------|------------------------|----------------|---------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|--------------|
| T 1  | 8 40 21  | 11≈ 0'38           | 7 <b>8</b> 19          | 15 <b>る</b> 55 | 4 <b>云</b> 42 | 7 <b>II</b> 36 | 23°R30         | 20°R 2         | 4°R53         | 4°R 4         | 7°R31         | 6°D46         | 6 <b>N</b> 33 | 28€ 1          | 14°R53         | T 1          |
| W 2  | 8 44 18  | 12° 1'32           | 20°38                  | 16°57          | 5°55          | 7°50           | 23 <b>£</b> 23 | 20耳 0          | 4 <b>Ⅱ</b> 52 | 4 <b>º</b> 3  | 7 <b>Ω</b> 30 | 6 <b>Ω</b> 46 | 6°29          | 28° 8          | 14 <b>m</b> 49 | W 2          |
| T 3  | 8 48 14  | 13° 2'25           | 3 <b>II</b> 36         | 18° 2          | 7° 8          | 8° 5           | 23°15          | 19°58          | 4°52          | 4° 2          | 7°28          | 6°47          | 6°26          | 28°14          | 14°46          | T 3          |
| F 4  | 8 52 11  | 14° 3'16           | 16°15                  | 19° 9          | 8°21          | 8°21           | 23° 7          | 19°56          | 4°51          | 4° 1          | 7°27          | 6°47          | 6°23          | 28°21          | 14°42          | F 4          |
| S 5  | 8 56 7   | 15° 4'06           | 28°38                  | 20°19          | 9°35          | 8°37           | 23° 0          | 19°54          | 4°51          | 4° 0          | 7°25          | 6°48          | 6°20          | 28°28          | 14°39          | S 5          |
| S 6  | 9 0 4    | 16° 4'55           | 10950                  | 21°30          | 10°48         | 8°53           | 22°52          | 19°53          | 4°51          | 3°59          | 7°24          | 6°49          | 6°17          | 28°34          | 14°35          | S 6          |
| M 7  | 9 4 1    | 17° 5'42           | 22°52                  | 22°43          | 12° 1         | 9°10           | 22°44          | 19°51          | 4°50          | 3°58          | 7°23          | 6°50          | 6°14          | 28°41          | 14°31          | M 7          |
| T 8  | 9 7 57   | 18° 6'28           | 4 <b>Ω</b> 48          | 23°58          | 13°14         | 9°27           | 22°36          | 19°50          | 4°50          | 3°57          | 7°21          | 6°R50         | 6°10          | 28°48          | 14°27          | T 8          |
| W 9  | 9 11 54  | 19° 7'12           | 16°39                  | 25°14          | 14°28         | 9°45           | 22°28          | 19°48          | 4°50          | 3°56          | 7°20          | 6°50          | 6° 7          | 28°54          | 14°23          | W 9          |
| T 10 | 9 15 50  | 20° 7'56           | 28°28                  | 26°32          | 15°41         | 10° 3          | 22°20          | 19°47          | 4°50          | 3°55          | 7°19          | 6°49          | 6° 4          | 29° 1          | 14°19          | T 10         |
| F 11 | 9 19 47  | 21° 8'37           | 10 <b>m</b> 16         | 27°51          | 16°54         | 10°22          | 22°12          | 19°46          | 4°50          | 3°54          | 7°17          | 6°47          | 6° 1          | 29° 8          | 14°15          | F 11         |
| S 12 | 9 23 43  | 22° 9'18           | 22° 7                  | 29°11          | 18° 8         | 10°40          | 22° 4          | 19°45          | 4°50          | 3°53          | 7°16          | 6°45          | 5°58          | 29°14          | 14°11          | S 12         |
| S 13 | 9 27 40  | 23° 9'57           | 4 <b>♀</b> 2           | 0≈33           | 19°21         | 11° 0          | 21°56          | 19°44          | 4°D50         | 3°52          | 7°15          | 6°42          | 5°54          | 29°21          | 14° 7          | S 13         |
| M14  | 9 31 36  | 24°10'35           | 16° 3                  | 1°56           | 20°34         | 11°19          | 21°48          | 19°43          | 4°50          | 3°51          | 7°13          | 6°40          | 5°51          | 29°28          | 14° 3          | M14          |
| T 15 | 9 35 33  | 25°11'12           | 28°15                  | 3°20           | 21°48         | 11°40          | 21°40          | 19°43          | 4°50          | 3°49          | 7°12          | 6°37          | 5°48          | 29°34          | 13°59          | T 15         |
| W16  | 9 39 30  | 26°11'48           | 10 <b>M</b> .41        | 4°46           | 23° 1         | 12° 0          | 21°32          | 19°42          | 4°50          | 3°48          | 7°11          | 6°36          | 5°45          | 29°41          | 13°54          | W16          |
| T 17 | 9 43 26  | 27°12'23           | 23°23                  | 6°12           | 24°15         | 12°21          | 21°25          | 19°42          | 4°50          | 3°47          | 7° 9          | 6°D35         | 5°42          | 29°48          | 13°50          | T 17         |
| F 18 | 9 47 23  | 28°12'56           | 6 <b>₹</b> 26<br>19°54 | 7°39<br>9°8    | 25°28         | 12°42<br>13° 3 | 21°17<br>21° 9 | 19°41          | 4°50<br>4°51  | 3°46<br>3°44  | 7° 8<br>7° 7  | 6°35          | 5°39          | 29°54          | 13°46<br>13°41 | F 18<br>S 19 |
| S 19 | 9 51 19  | 29°13'28           | 19-54                  | 9 8            | 26°42         | 13 3           | 21- 9          | 19°41          | 4-31          | 3-44          | /- /          | 6°36          | 5°35          | 0 Mp 1         | 13-41          | 5 19         |
| S 20 | 9 55 16  | 0 <b>) (</b> 13′59 | 3 <b>⋜</b> 47          | 10°37          | 27°55         | 13°25          | 21° 1          | 19°41          | 4°51          | 3°43          | 7° 6          | 6°37          | 5°32          | 0° 8           | 13°37          | S 20         |
| M21  | 9 59 12  | 1°14'29            | 18° 6                  | 12° 8          | 29° 9         | 13°47          | 20°53          | 19°D41         | 4°51          | 3°42          | 7° 4          | 6°39          | 5°29          | 0°14           | 13°32          | M21          |
| T 22 | 10 3 9   | 2°14'57            | 2≈49                   | 13°39          | 0≈22          | 14°10          | 20°46          | 19°41          | 4°52          | 3°40          | 7° 3          | 6°R40         | 5°26          | 0°21           | 13°27          | T 22         |
| W23  | 10 7 5   | 3°15'24            | 17°52                  | 15°11          | 1°36          | 14°33          | 20°38          | 19°41          | 4°52          | 3°39          | 7° 2          | 6°39          | 5°23          | 0°28           | 13°23          | W23          |
| T 24 | 10 11 2  | 4°15'49            | 3 <b>¥</b> 5           | 16°45          | 2°50          | 14°56          | 20°30          | 19°42          | 4°53          | 3°38          | 7° 1          | 6°38          | 5°19          | 0°34           | 13°18          | T 24         |
| F 25 | 10 14 59 | 5°16'13            | 18°20                  | 18°19          | 4° 3          | 15°19          | 20°23          | 19°42          | 4°54          | 3°36          | 6°59          | 6°34          | 5°16          | 0°41           | 13°14          | F 25         |
| S 26 | 10 18 55 | 6°16'34            | <b>3</b> Υ26           | 19°55          | 5°17          | 15°43          | 20°16          | 19°43          | 4°54          | 3°35          | 6°58          | 6°30          | 5°13          | 0°47           | 13° 9          | S 26         |
| S 27 | 10 22 52 | 7°16'54            | 18°13                  | 21°31          | 6°31          | 16° 7          | 20° 8          | 19°43          | 4°55          | 3°34          | 6°57          | 6°26          | 5°10          | 0°54           | 13° 4          | S 27         |
| M28  | 10 26 48 | 8°17'12            | 2836                   | 23° 8          | 7°44          | 16°31          | 20° 1          | 19°44          | 4°56          | 3°32          | 6°56          | 6°21          | 5° 7          | 1° 1           | 13° 0          | M28          |
| T 29 | 10 30 45 | 9 <b>)</b> 17'28   | 16 <b>8</b> 31         | 24≈47          | 8≈58          | 16耳56          | 19 <b>Ω</b> 54 | 19 <b>Ⅱ</b> 45 | 4 <b>Ⅱ</b> 57 | 3 <b>₽</b> 31 | $6\Omega$ 55  | 6 <b>Ω</b> 18 | 5 <b>Ω</b> 4  | 1 <b>m</b> y 7 | 12 <b>m</b> 55 | T 29         |

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|--------------|---------------------|-----------------------------|-------------------------|-------------------------|------------------------|-----------------------|-------------------------|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|--------------|
| W 1          | 10 34 41            | 10 <b>)</b> 17'42           | 29 <b>8</b> 57          | 26≈26                   | 10≈12                  | 17 <b>Ⅲ</b> 20        | 19°R47                  | 19 <b>Ⅱ</b> 46           | 4 <b>Ⅱ</b> 58         | 3°R29                 | 6°R54                 | 6°R16                 | 5 <b>0</b> 0          | 1 <b>M</b> p 14       | 12°R50                  | W 1          |
| T 2          | 10 38 38            | 11°17'53                    | 12 <b>II</b> 56         | 28° 7                   | 11°25                  | 17°45                 | 19 <b>Ω</b> 40          | 19°47                    | 4°59                  | 3 <b>₾</b> 28         | $6\Omega$ 53          | 6°D16                 | 4°57                  | 1°21                  | 12 <b>M</b> 45          | T 2          |
| F 3          | 10 42 34            | 12°18'03                    | 25°33                   | 29°48                   | 12°39                  | 18°11                 | 19°33                   | 19°48                    | 5° 0                  | 3°26                  | 6°51                  | 6 <b>Ω</b> 16         | 4°54                  | 1°27                  | 12°41                   | F 3          |
| S 4          | 10 46 31            | 13°18'11                    | 7951                    | 1 <b>∺</b> 31           | 13°53                  | 18°36                 | 19°26                   | 19°50                    | 5° 1                  | 3°25                  | 6°50                  | 6°18                  | 4°51                  | 1°34                  | 12°36                   | S 4          |
| S 5          | 10 50 28            | 14°18'16                    | 19°54                   | 3°14                    | 15° 6                  | 19° 2                 | 19°19                   | 19°51                    | 5° 2                  | 3°23                  | 6°49                  | 6°20                  | 4°48                  | 1°41                  | 12°31                   | S 5          |
| M 6          | 10 54 24            | 15°18'20                    | 1 <b>Ω</b> 49           | 4°59                    | 16°20                  | 19°28                 | 19°13                   | 19°53                    | 5° 3                  | 3°21                  | 6°48                  | 6°R21                 | 4°45                  | 1°47                  | 12°26                   | M 6          |
| T 7          | 10 58 21            | 16°18'21                    | 13°38                   | 6°45                    | 17°34                  | 19°54                 | 19° 7                   | 19°54                    | 5° 4                  | 3°20                  | 6°47                  | 6°21                  | 4°41                  | 1°54                  | 12°22                   | T 7          |
| W 8          | 11 2 17             | 17°18'20                    | 25°26                   | 8°32                    | 18°48                  | 20°21                 | 19° 0                   | 19°56                    | 5° 5                  | 3°18                  | 6°46                  | 6°19                  | 4°38                  | 2° 1                  | 12°17                   | W 8<br>T 9   |
| T 9<br>F 10  | 11 6 14<br>11 10 10 | 18°18'18<br>19°18'13        | 7 <b>m</b> ) 14<br>19°6 | 10°20<br>12° 9          | 20° 1<br>21°15         | 20°47<br>21°14        | 18°54<br>18°48          | 19°58<br>20° 0           | 5° 7<br>5° 8          | 3°17<br>3°15          | 6°45<br>6°44          | 6°15<br>6°8           | 4°35<br>4°32          | 2° 7<br>2°14          | 12°12<br>12° 7          | F 10         |
| S 11         | 11 10 10            | 20°18'06                    | 1 <u>0</u> 2            | 14° 0                   | 21°13                  | 21°41                 | 18°42                   | 20° 0                    | 5° 9                  | 3°14                  | 6°43                  | 6° 1                  | 4°29                  | 2°21                  | 12° 7                   | S 11         |
|              | -                   |                             |                         |                         |                        |                       |                         |                          |                       |                       |                       | -                     | -                     |                       | _                       |              |
| S 12         | 11 18 3             | 21°17'58                    | 13° 6                   | 15°51                   | 23°43                  | 22° 8                 | 18°37                   | 20° 4                    | 5°11                  | 3°12                  | 6°42                  | 5°52                  | 4°25                  | 2°27                  | 11°58                   | S 12         |
| M13<br>T 14  | 11 22 0<br>11 25 56 | 22°17'47<br>23°17'35        | 25°17<br>7 <b>M</b> J38 | 17°44<br>19°37          | 24°56<br>26°10         | 22°36<br>23° 3        | 18°31<br>18°25          | 20° 7<br>20° 9           | 5°12<br>5°14          | 3°10<br>3° 9          | 6°41<br>6°41          | 5°43<br>5°35          | 4°22<br>4°19          | 2°34<br>2°41          | 11°53<br>11°49          | M13<br>T 14  |
| W15          | 11 25 56            | 23°17'33<br>24°17'21        | 20°10                   | 21°32                   | 26°10<br>27°24         | 23°31                 | 18°23                   | 20° 9<br>20°12           | 5°16                  | 3° 7                  | 6°40                  | 5°28                  | 4°19<br>4°16          | 2°47                  | 11°49                   | W15          |
| T 16         | 11 33 50            | 25°17'06                    | 2x <sup>7</sup> 56      | 23°28                   | 28°38                  | 23°59                 | 18°15                   | 20°14                    | 5°17                  | 3° 5                  | 6°39                  | 5°24                  | 4°13                  | 2°54                  | 11°40                   | T 16         |
| F 17         | 11 37 46            | 26°16'48                    | 15°58                   | 25°25                   | 29°51                  | 24°27                 | 18°10                   | 20°17                    | 5°19                  | 3° 4                  | 6°38                  | 5°21                  | 4°10                  | 3° 1                  | 11°35                   | F 17         |
| S 18         | 11 41 43            | 27°16'29                    | 29°19                   | 27°23                   | 1 <b>)</b> 5           | 24°56                 | 18° 5                   | 20°20                    | 5°21                  | 3° 2                  | 6°37                  | 5°D21                 | 4° 6                  | 3° 7                  | 11°31                   | S 18         |
| S 19         | 11 45 39            | 28°16'09                    | 13る 0                   | 29°22                   | 2°19                   | 25°24                 | 18° 1                   | 20°23                    | 5°22                  | 3° 1                  | 6°36                  | 5°21                  | 4° 3                  | 3°14                  | 11°26                   | S 19         |
| M20          | 11 49 36            | 29°15'46                    | 27° 4                   | 1 <b>Y</b> 21           | 3°33                   | 25°53                 | 17°56                   | 20°26                    | 5°24                  | 2°59                  | 6°36                  | 5°22                  | 4° 0                  | 3°21                  | 11°22                   | M20          |
| T 21         | 11 53 32            | 0 <b>Υ</b> 15'22            | 11 <b>≈</b> 31          | 3°22                    | 4°47                   | 26°22                 | 17°52                   | 20°29                    | 5°26                  | 2°57                  | 6°35                  | 5°R22                 | 3°57                  | 3°27                  | 11°18                   | T 21         |
| W22          | 11 57 29            | 1°14'56                     | 26°17                   | 5°22                    | 6° 1                   | 26°51                 | 17°48                   | 20°32                    | 5°28                  | 2°56                  | 6°34                  | 5°21                  | 3°54                  | 3°34                  | 11°13                   | W22          |
| T 23         | 12 1 25             | 2°14'28                     | 11 <b>)</b> 17          | 7°24                    | 7°14                   | 27°20                 | 17°44                   | 20°35                    | 5°30                  | 2°54                  | 6°34                  | 5°17                  | 3°51                  | 3°41                  | 11° 9                   | T 23         |
| F 24         | 12 5 22             | 3°13'59                     | 26°25                   | 9°25                    | 8°28                   | 27°49                 | 17°40                   | 20°39                    | 5°32                  | 2°52                  | 6°33                  | 5°10                  | 3°47                  | 3°47                  | 11° 5                   | F 24         |
| S 25         | 12 9 19             | 4°13'27                     | 11 <b>Y</b> 29          | 11°26                   | 9°42                   | 28°18                 | 17°36                   | 20°42                    | 5°34                  | 2°51                  | 6°32                  | 5° 1                  | 3°44                  | 3°54                  | 11° 1                   | S 25         |
| S 26         | 12 13 15            | 5°12'53                     | 26°20                   | 13°28                   | 10°56                  | 28°48                 | 17°33                   | 20°46                    | 5°36                  | 2°49                  | 6°32                  | 4°52                  | 3°41                  | 4° 1                  | 10°57                   | S 26         |
| M27          | 12 17 12            | 6°12'17                     | 10850                   | 15°28                   | 12°10                  | 29°18                 | 17°29                   | 20°50                    | 5°38                  | 2°47                  | 6°31                  | 4°42                  | 3°38                  | 4° 7                  | 10°52                   | M27          |
| T 28         | 12 21 8             | 7°11'39                     | 24°52                   | 17°28                   | 13°23                  | 29°48                 | 17°26                   | 20°54                    | 5°40                  | 2°46                  | 6°30                  | 4°34                  | 3°35                  | 4°14                  | 10°49                   | T 28         |
| W29          | 12 25 5             | 8°10'58                     | 8П26                    | 19°26                   | 14°37                  | 0918                  | 17°23                   | 20°57                    | 5°43                  | 2°44                  | 6°30                  | 4°28                  | 3°31                  | 4°21                  | 10°45                   | W29          |
| T 30<br>F 31 | 12 29 1<br>12 32 58 | 9°10'15<br>10 <b>°</b> 9'30 | 21°31<br>4 <b>©</b> 11  | 21°23<br>23 <b>°</b> 17 | 15°51<br>17 <b>₩</b> 5 | 0°48<br>1 <b>©</b> 18 | 17°21<br>17 <b>Ω</b> 18 | 21° 1<br>21 <b>I</b> I 6 | 5°45<br>5 <b>∏</b> 47 | 2°42<br>2 <b>≙</b> 41 | 6°29<br>6 <b>Ω</b> 29 | 4°25<br>4 <b>Ω</b> 23 | 3°28<br>3 <b>Ω</b> 25 | 4°27<br>4 <b>m</b> 34 | 10°41<br>10 <b>m</b> 37 | T 30<br>F 31 |
| гэг          | 12 32 38            | 10 1 930                    | 1100-4                  | 23   1/                 | 1/1 3                  | 1,5018                | 1/0618                  | 21 <b>11</b> 0           | э <b>д</b> 4/         | ∠ <b>=</b> 41         | 00629                 | 40 <b>1</b> 23        | 30 <b>1</b> 23        | 411)34                | 1011/3/                 | ГЭІ          |

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|------|----------|------------------|----------------|----------------|----------------|--------|----------------|-----------------|---------------|---------------|--------------|---------------|---------------|----------------|-----------------|------|
| S 1  | 12 36 54 | 11 <b>°</b> 8'43 | 16930          | 25 <b>⋎</b> 9  | 18 <b>米</b> 19 | 19549  | 17°R16         | 21 <b>I</b> I10 | 5 <b>Ⅱ</b> 49 | 2°R39         | 6°R28        | 4°D23         | 3 <b>N</b> 22 | 4 <b>M</b> )41 | 10°R33          | S 1  |
| S 2  | 12 40 51 | 12° 7'53         | 28°33          | 26°59          | 19°32          | 2°19   | 17 <b>Ω</b> 14 | 21°14           | 5°52          | 2 <b>≏</b> 37 | $6\Omega$ 28 | 4°R24         | 3°19          | 4°47           | 10 <b>m</b> y30 | S 2  |
| M 3  | 12 44 48 | 13° 7'01         | 10Ω26          | 28°45          | 20°46          | 2°50   | 17°12          | 21°18           | 5°54          | 2°36          | 6°28         | $4\Omega$ 24  | 3°16          | 4°54           | 10°26           | M 3  |
| T 4  | 12 48 44 | 14° 6'07         | 22°14          | 0 <b>8</b> 27  | 22° 0          | 3°20   | 17°10          | 21°23           | 5°57          | 2°34          | 6°27         | 4°22          | 3°12          | 5° 1           | 10°23           | T 4  |
| W 5  | 12 52 41 | 15° 5'10         | 4Mp 1          | 2° 6           | 23°14          | 3°51   | 17° 8          | 21°27           | 5°59          | 2°33          | 6°27         | 4°18          | 3° 9          | 5° 7           | 10°19           | W 5  |
| T 6  | 12 56 37 | 16° 4'11         | 15°52          | 3°40           | 24°28          | 4°22   | 17° 7          | 21°32           | 6° 2          | 2°31          | 6°26         | 4°11          | 3° 6          | 5°14           | 10°16           | T 6  |
| F 7  | 13 0 34  | 17° 3'10         | 27°49          | 5°10           | 25°41          | 4°53   | 17° 6          | 21°37           | 6° 4          | 2°29          | 6°26         | 4° 2          | 3° 3          | 5°21           | 10°13           | F 7  |
| S 8  | 13 4 30  | 18° 2'07         | 9 <b>≙</b> 54  | 6°35           | 26°55          | 5°25   | 17° 4          | 21°41           | 6° 7          | 2°28          | 6°26         | 3°51          | 3° 0          | 5°27           | 10°10           | S 8  |
| S 9  | 13 8 27  | 19° 1'02         | 22° 9          | 7°55           | 28° 9          | 5°56   | 17° 4          | 21°46           | 6° 9          | 2°26          | 6°26         | 3°38          | 2°56          | 5°34           | 10° 7           | S 9  |
| M10  | 13 12 23 | 19°59'54         | 4ML35          | 9°10           | 29°23          | 6°27   | 17° 3          | 21°51           | 6°12          | 2°25          | 6°25         | 3°24          | 2°53          | 5°41           | 10° 4           | M10  |
| T 11 | 13 16 20 | 20°58'45         | 17°11          | 10°19          | 0 <b>Υ</b> 36  | 6°59   | 17° 2          | 21°56           | 6°15          | 2°23          | 6°25         | 3°12          | 2°50          | 5°47           | 10° 1           | T 11 |
| W12  | 13 20 17 | 21°57'34         | 29°59          | 11°22          | 1°50           | 7°30   | 17° 2          | 22° 1           | 6°17          | 2°22          | 6°25         | 3° 2          | 2°47          | 5°54           | 9°58            | W12  |
| T 13 | 13 24 13 | 22°56'22         | 12 <b>×</b> 58 | 12°19          | 3° 4           | 8° 2   | 17°D 2         | 22° 6           | 6°20          | 2°20          | 6°25         | 2°54          | 2°44          | 6° 1           | 9°55            | T 13 |
| F 14 | 13 28 10 | 23°55'07         | 26° 9          | 13°11          | 4°18           | 8°34   | 17° 2          | 22°12           | 6°23          | 2°18          | 6°25         | 2°49          | 2°41          | 6° 7           | 9°53            | F 14 |
| S 15 | 13 32 6  | 24°53'51         | 9 <b>궁</b> 34  | 13°57          | 5°31           | 9° 6   | 17° 2          | 22°17           | 6°26          | 2°17          | 6°24         | 2°46          | 2°37          | 6°14           | 9°50            | S 15 |
| S 16 | 13 36 3  | 25°52'33         | 23°13          | 14°36          | 6°45           | 9°38   | 17° 3          | 22°22           | 6°29          | 2°15          | 6°24         | 2°46          | 2°34          | 6°21           | 9°48            | S 16 |
| M17  | 13 39 59 | 26°51'13         | 7≈ 8           | 15°10          | 7°59           | 10°10  | 17° 3          | 22°28           | 6°32          | 2°14          | 6°24         | 2°46          | 2°31          | 6°27           | 9°46            | M17  |
| T 18 | 13 43 56 | 27°49'52         | 21°19          | 15°37          | 9°13           | 10°42  | 17° 4          | 22°33           | 6°34          | 2°13          | 6°24         | 2°45          | 2°28          | 6°34           | 9°43            | T 18 |
| W19  | 13 47 52 | 28°48'29         | 5 <b>)</b> (46 | 15°58          | 10°27          | 11°14  | 17° 5          | 22°39           | 6°37          | 2°11          | 6°D24        | 2°42          | 2°25          | 6°41           | 9°41            | W19  |
| T 20 | 13 51 49 | 29°47'05         | 20°25          | 16°13          | 11°40          | 11°47  | 17° 6          | 22°45           | 6°40          | 2°10          | 6°24         | 2°37          | 2°22          | 6°47           | 9°39            | T 20 |
| F 21 | 13 55 45 | 0 <b>8</b> 45'38 | 5 <b>Υ</b> 11  | 16°22          | 12°54          | 12°19  | 17° 8          | 22°50           | 6°43          | 2° 8          | 6°24         | 2°29          | 2°18          | 6°54           | 9°37            | F 21 |
| S 22 | 13 59 42 | 1°44'10          | 19°56          | 16°R25         | 14° 8          | 12°52  | 17° 9          | 22°56           | 6°46          | 2° 7          | 6°24         | 2°19          | 2°15          | 7° 1           | 9°36            | S 22 |
| S 23 | 14 3 39  | 2°42'40          | 4 <b>8</b> 34  | 16°22          | 15°22          | 13°24  | 17°11          | 23° 2           | 6°49          | 2° 5          | 6°24         | 2° 7          | 2°12          | 7° 7           | 9°34            | S 23 |
| M24  | 14 7 35  | 3°41'08          | 18°55          | 16°14          | 16°35          | 13°57  | 17°13          | 23° 8           | 6°52          | 2° 4          | 6°25         | 1°55          | 2° 9          | 7°14           | 9°32            | M24  |
| T 25 | 14 11 32 | 4°39'35          | 2∏54           | 16° 1          | 17°49          | 14°30  | 17°15          | 23°14           | 6°55          | 2° 3          | 6°25         | 1°45          | 2° 6          | 7°21           | 9°31            | T 25 |
| W26  | 14 15 28 | 5°37'59          | 16°27          | 15°42          | 19° 3          | 15° 3  | 17°17          | 23°20           | 6°59          | 2° 1          | 6°25         | 1°37          | 2° 2          | 7°27           | 9°29            | W26  |
| T 27 | 14 19 25 | 6°36'21          | 29°34          | 15°19          | 20°16          | 15°36  | 17°20          | 23°26           | 7° 2          | 2° 0          | 6°25         | 1°31          | 1°59          | 7°34           | 9°28            | T 27 |
| F 28 | 14 23 21 | 7°34'42          | 129516         | 14°53          | 21°30          | 16° 9  | 17°23          | 23°32           | 7° 5          | 1°59          | 6°25         | 1°28          | 1°56          | 7°41           | 9°27            | F 28 |
| S 29 | 14 27 18 | 8°33'00          | 24°38          | 14°22          | 22°44          | 16°42  | 17°25          | 23°39           | 7° 8          | 1°58          | 6°26         | 1°27          | 1°53          | 7°47           | 9°26            | S 29 |
| S 30 | 14 31 14 | 9 <b>8</b> 31'16 | 6 <b>Ω</b> 43  | 13 <b>8</b> 49 | 23 <b>Y</b> 58 | 179915 | 17 <b>Ω</b> 28 | 23 <b>II</b> 45 | 7 <b>I</b> 11 | 1 <b>≏</b> 56 | $6\Omega$ 26 | 1 <b>Ω</b> 27 | 1 <b>Q</b> 50 | 7 <b>m</b> 54  | 9 <b>m</b> 25   | S 30 |

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|------|----------|------------------|----------------|----------------|----------------|---------------|----------------|-----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|------|
| M 1  | 14 35 11 | 10829'30         | 18 <b>Ω</b> 38 | 13°R14         | 25 <b>Y</b> 11 | 179548        | 17 <b>Ω</b> 32 | 23 <b>II</b> 51 | 7 <b>Ⅱ</b> 15 | 1°R55         | $6\Omega$ 26  | 1°R27         | 1 <b>Ω</b> 47 | 8 Mp 1         | 9°R24         | M 1  |
| T 2  | 14 39 8  | 11°27'42         | 0 <b>m</b> 27  | 12 <b>8</b> 36 | 26°25          | 18°21         | 17°35          | 23°58           | 7°18          | 1 <b>≏</b> 54 | 6°27          | 1 <b>N</b> 26 | 1°43          | 8° 7           | 9 <b>m</b> 24 | T 2  |
| W 3  | 14 43 4  | 12°25'52         | 12°17          | 11°58          | 27°39          | 18°55         | 17°38          | 24° 4           | 7°21          | 1°53          | 6°27          | 1°22          | 1°40          | 8°14           | 9°23          | W 3  |
| T 4  | 14 47 1  | 13°24'00         | 24°10          | 11°20          | 28°52          | 19°28         | 17°42          | 24°11           | 7°24          | 1°52          | 6°27          | 1°16          | 1°37          | 8°21           | 9°23          | T 4  |
| F 5  | 14 50 57 | 14°22'06         | 6 <b>≏</b> 13  | 10°42          | 0 <b>8</b> 6   | 20° 1         | 17°46          | 24°17           | 7°28          | 1°50          | 6°28          | 1° 8          | 1°34          | 8°27           | 9°22          | F 5  |
| S 6  | 14 54 54 | 15°20'10         | 18°26          | 10° 6          | 1°20           | 20°35         | 17°50          | 24°24           | 7°31          | 1°49          | 6°28          | 0°57          | 1°31          | 8°34           | 9°22          | S 6  |
| S 7  | 14 58 50 | 16°18'13         | 0 <b>M</b> .53 | 9°31           | 2°33           | 21° 9         | 17°54          | 24°31           | 7°34          | 1°48          | 6°29          | 0°45          | 1°28          | 8°41           | 9°22          | S 7  |
| M 8  | 15 2 47  | 17°16'14         | 13°35          | 8°58           | 3°47           | 21°42         | 17°58          | 24°37           | 7°38          | 1°47          | 6°29          | 0°32          | 1°24          | 8°47           | 9°D22         | M 8  |
| T 9  | 15 6 43  | 18°14'13         | 26°30          | 8°28           | 5° 1           | 22°16         | 18° 3          | 24°44           | 7°41          | 1°46          | 6°30          | 0°21          | 1°21          | 8°54           | 9°22          | T 9  |
| W10  | 15 10 40 | 19°12'11         | 9 <b>∡</b> 38  | 8° 2           | 6°14           | 22°50         | 18° 8          | 24°51           | 7°44          | 1°45          | 6°30          | 0°11          | 1°18          | 9° 1           | 9°22          | W10  |
| T 11 | 15 14 37 | 20°10'07         | 22°58          | 7°39           | 7°28           | 23°24         | 18°12          | 24°58           | 7°48          | 1°44          | 6°31          | 0° 3          | 1°15          | 9° 7           | 9°22          | T 11 |
| F 12 | 15 18 33 | 21° 8'02         | 6 <b>궁</b> 28  | 7°20           | 8°42           | 23°57         | 18°17          | 25° 5           | 7°51          | 1°43          | 6°31          | 299559        | 1°12          | 9°14           | 9°23          | F 12 |
| S 13 | 15 22 30 | 22° 5'55         | 20° 8          | 7° 5           | 9°55           | 24°31         | 18°22          | 25°12           | 7°55          | 1°42          | 6°32          | 29°57         | 1° 8          | 9°21           | 9°23          | S 13 |
| S 14 | 15 26 26 | 23° 3'48         | 3≈57           | 6°54           | 11° 9          | 25° 5         | 18°28          | 25°19           | 7°58          | 1°41          | 6°33          | 29°D56        | 1° 5          | 9°27           | 9°24          | S 14 |
| M15  | 15 30 23 | 24° 1'39         | 17°55          | 6°48           | 12°22          | 25°39         | 18°33          | 25°26           | 8° 1          | 1°40          | 6°33          | 29°R57        | 1° 2          | 9°34           | 9°25          | M15  |
| T 16 | 15 34 19 | 24°59'29         | 2 <b>)</b> 1   | 6°D47          | 13°36          | 26°14         | 18°39          | 25°33           | 8° 5          | 1°40          | 6°34          | 29°57         | 0°59          | 9°41           | 9°25          | T 16 |
| W17  | 15 38 16 | 25°57'17         | 16°15          | 6°50           | 14°50          | 26°48         | 18°44          | 25°40           | 8° 8          | 1°39          | 6°35          | 29°55         | 0°56          | 9°47           | 9°26          | W17  |
| T 18 | 15 42 12 | 26°55'05         | 0 <b>Υ</b> 34  | 6°58           | 16° 3          | 27°22         | 18°50          | 25°47           | 8°12          | 1°38          | 6°35          | 29°51         | 0°53          | 9°54           | 9°28          | T 18 |
| F 19 | 15 46 9  | 27°52'51         | 14°56          | 7°10           | 17°17          | 27°56         | 18°56          | 25°54           | 8°15          | 1°37          | 6°36          | 29°45         | 0°49          | 10° 1          | 9°29          | F 19 |
| S 20 | 15 50 6  | 28°50'37         | 29°15          | 7°27           | 18°31          | 28°31         | 19° 3          | 26° 2           | 8°19          | 1°36          | 6°37          | 29°37         | 0°46          | 10° 8          | 9°30          | S 20 |
| S 21 | 15 54 2  | 29°48'21         | 13827          | 7°48           | 19°44          | 29° 5         | 19° 9          | 26° 9           | 8°22          | 1°36          | 6°38          | 29°27         | 0°43          | 10°14          | 9°31          | S 21 |
| M22  | 15 57 59 | 0∏46'04          | 27°27          | 8°13           | 20°58          | 29°39         | 19°15          | 26°16           | 8°26          | 1°35          | 6°39          | 29°18         | 0°40          | 10°21          | 9°33          | M22  |
| T 23 | 16 155   | 1°43'45          | 11 <b>II</b> 9 | 8°43           | 22°12          | 0Ω14          | 19°22          | 26°23           | 8°29          | 1°34          | 6°40          | 29° 9         | 0°37          | 10°28          | 9°35          | T 23 |
| W24  | 16 5 52  | 2°41'26          | 24°30          | 9°17           | 23°25          | 0°49          | 19°29          | 26°31           | 8°33          | 1°34          | 6°40          | 29° 3         | 0°33          | 10°34          | 9°36          | W24  |
| T 25 | 16 9 48  | 3°39'05          | 7 <b>95</b> 30 | 9°54           | 24°39          | 1°23          | 19°35          | 26°38           | 8°36          | 1°33          | 6°41          | 28°58         | 0°30          | 10°41          | 9°38          | T 25 |
| F 26 | 16 13 45 | 4°36'42          | 20°10          | 10°36          | 25°53          | 1°58          | 19°43          | 26°46           | 8°40          | 1°33          | 6°42          | 28°56         | 0°27          | 10°48          | 9°40          | F 26 |
| S 27 | 16 17 41 | 5°34'19          | 2 <b>Ω</b> 31  | 11°21          | 27° 6          | 2°33          | 19°50          | 26°53           | 8°43          | 1°32          | 6°43          | 28°D56        | 0°24          | 10°54          | 9°42          | S 27 |
| S 28 | 16 21 38 | 6°31'54          | 14°37          | 12°10          | 28°20          | 3° 7          | 19°57          | 27° 1           | 8°47          | 1°32          | 6°44          | 28°57         | 0°21          | 11° 1          | 9°45          | S 28 |
| M29  | 16 25 35 | 7°29'27          | 26°33          | 13° 3          | 29°33          | 3°42          | 20° 4          | 27° 8           | 8°50          | 1°31          | 6°45          | 28°58         | 0°18          | 11°8           | 9°47          | M29  |
| T 30 | 16 29 31 | 8°26'59          | 8Mp24          | 13°59          | 0 <b>Ⅱ</b> 47  | 4°17          | 20°12          | 27°16           | 8°54          | 1°31          | 6°46          | 28°R58        | 0°14          | 11°14          | 9°49          | T 30 |
| W31  | 16 33 28 | 9 <b>Ⅱ</b> 24'30 | 20 <b>M</b> 15 | 14 <b>8</b> 58 | 2耳 1           | 4 <b>Ω</b> 52 | 20 <b>Ω</b> 19 | 27 <b>Ⅱ</b> 23  | 8耳57          | 1 <b>≏</b> 30 | 6 <b>Ω</b> 47 | 28957         | 0 <b>Ω</b> 11 | 11 <b>M</b> 21 | 9 <b>₯</b> 52 | W31  |

Delta T = 26.70 sec

JUNE 1944 00:00 UT

| Day  | Sid.t    | 0        | D               | ğ     | φ             | ♂              | 4              | ħ     | )f(            | ¥             | Р             | v      | Ω            | Ç               | Š              | Day  |
|------|----------|----------|-----------------|-------|---------------|----------------|----------------|-------|----------------|---------------|---------------|--------|--------------|-----------------|----------------|------|
| T 1  | 16 37 24 | 10∏21'59 | 2 <b>≏</b> 11   | 168 1 | 3 <b>Ⅱ</b> 14 | 5 <b>Ω</b> 27  | 20 <b>Ω</b> 27 | 27耳31 | 9 <b>I</b> 1   | 1°R30         | 6 <b>Ω</b> 48 | 28°R55 | 0 <b>N</b> 8 | 11 <b>m</b> )28 | 9 <b>m</b> 54  | T 1  |
| F 2  | 16 41 21 | 11°19'27 | 14°17           | 17° 6 | 4°28          | 6° 2           | 20°35          | 27°38 | 9° 4           | 1 <b>≏</b> 30 | 6°49          | 28950  | 0° 5         | 11°34           | 9°57           | F 2  |
| S 3  | 16 45 17 | 12°16'54 | 26°36           | 18°15 | 5°42          | 6°37           | 20°43          | 27°46 | 9° 8           | 1°29          | 6°50          | 28°44  | 0° 2         | 11°41           | 10° 0          | S 3  |
| S 4  | 16 49 14 | 13°14'20 | 9 <b>M</b> .12  | 19°27 | 6°55          | 7°12           | 20°51          | 27°54 | 9°12           | 1°29          | 6°52          | 28°37  | 29959        | 11°48           | 10° 3          | S 4  |
| M 5  | 16 53 10 | 14°11'44 | 22° 5           | 20°42 | 8° 9          | 7°47           | 20°59          | 28° 1 | 9°15           | 1°29          | 6°53          | 28°29  | 29°55        | 11°54           | 10° 6          | M 5  |
| T 6  | 16 57 7  | 15° 9'08 | 5 <b>₹</b> 17   | 22° 0 | 9°22          | 8°22           | 21° 8          | 28° 9 | 9°19           | 1°28          | 6°54          | 28°22  | 29°52        | 12° 1           | 10° 9          | T 6  |
| W 7  | 17 1 4   | 16° 6'31 | 18°46           | 23°21 | 10°36         | 8°57           | 21°16          | 28°17 | 9°22           | 1°28          | 6°55          | 28°16  | 29°49        | 12° 8           | 10°12          | W 7  |
| T 8  | 17 5 0   | 17° 3'53 | 2 <b>る</b> 29   | 24°45 | 11°50         | 9°33           | 21°25          | 28°24 | 9°26           | 1°28          | 6°56          | 28°12  | 29°46        | 12°14           | 10°16          | T 8  |
| F 9  | 17 8 57  | 18° 1'14 | 16°24           | 26°12 | 13° 3         | 10° 8          | 21°34          | 28°32 | 9°29           | 1°28          | 6°58          | 28°10  | 29°43        | 12°21           | 10°19          | F 9  |
| S 10 | 17 12 53 | 18°58'35 | 0≈28            | 27°41 | 14°17         | 10°43          | 21°42          | 28°40 | 9°33           | 1°28          | 6°59          | 28°D 9 | 29°39        | 12°28           | 10°23          | S 10 |
| S 11 | 17 16 50 | 19°55'55 | 14°38           | 29°14 | 15°31         | 11°19          | 21°51          | 28°47 | 9°36           | 1°28          | 7° 0          | 28°10  | 29°36        | 12°34           | 10°26          | S 11 |
| M12  | 17 20 46 | 20°53'14 | 28°50           | 0∏49  | 16°44         | 11°54          | 22° 0          | 28°55 | 9°40           | 1°D28         | 7° 1          | 28°11  | 29°33        | 12°41           | 10°30          | M12  |
| T 13 | 17 24 43 | 21°50'33 | 13 <b>∺</b> 3   | 2°27  | 17°58         | 12°30          | 22° 9          | 29° 3 | 9°43           | 1°28          | 7° 3          | 28°12  | 29°30        | 12°48           | 10°34          | T 13 |
| W14  | 17 28 40 | 22°47'52 | 27°14           | 4° 8  | 19°12         | 13° 5          | 22°19          | 29°11 | 9°46           | 1°28          | 7° 4          | 28°R13 | 29°27        | 12°55           | 10°38          | W14  |
| T 15 | 17 32 36 | 23°45'10 | 11 <b>Y</b> 23  | 5°51  | 20°25         | 13°41          | 22°28          | 29°18 | 9°50           | 1°28          | 7° 5          | 28°11  | 29°24        | 13° 1           | 10°42          | T 15 |
| F 16 | 17 36 33 | 24°42'28 | 25°25           | 7°37  | 21°39         | 14°16          | 22°37          | 29°26 | 9°53           | 1°28          | 7° 7          | 28° 9  | 29°20        | 13° 8           | 10°46          | F 16 |
| S 17 | 17 40 29 | 25°39'46 | 9 <b>8</b> 21   | 9°26  | 22°53         | 14°52          | 22°47          | 29°34 | 9°57           | 1°28          | 7° 8          | 28° 5  | 29°17        | 13°15           | 10°50          | S 17 |
| S 18 | 17 44 26 | 26°37'03 | 23° 6           | 11°18 | 24° 6         | 15°27          | 22°57          | 29°42 | 10° 0          | 1°28          | 7° 9          | 28° 0  | 29°14        | 13°21           | 10°55          | S 18 |
| M19  | 17 48 22 | 27°34'20 | 6 <b>Ⅱ</b> 39   | 13°12 | 25°20         | 16° 3          | 23° 6          | 29°50 | 10° 4          | 1°29          | 7°11          | 27°55  | 29°11        | 13°28           | 10°59          | M19  |
| T 20 | 17 52 19 | 28°31'37 | 19°57           | 15° 8 | 26°34         | 16°39          | 23°16          | 29°57 | 10° 7          | 1°29          | 7°12          | 27°51  | 29° 8        | 13°35           | 11° 4          | T 20 |
| W21  | 17 56 15 | 29°28'53 | 2959            | 17° 7 | 27°47         | 17°15          | 23°26          | 0ණ 5  | 10°10          | 1°29          | 7°14          | 27°48  | 29° 5        | 13°41           | 11°8           | W21  |
| T 22 | 18 0 12  | 09526'09 | 15°45           | 19° 8 | 29° 1         | 17°51          | 23°36          | 0°13  | 10°14          | 1°29          | 7°15          | 27°46  | 29° 1        | 13°48           | 11°13          | T 22 |
| F 23 | 18 4 9   | 1°23'25  | 28°14           | 21°12 | 09୍ତ15        | 18°26          | 23°46          | 0°21  | 10°17          | 1°30          | 7°16          | 27°D46 | 28°58        | 13°55           | 11°18          | F 23 |
| S 24 | 18 8 5   | 2°20'40  | 10 <b>\O</b> 30 | 23°17 | 1°28          | 19° 2          | 23°56          | 0°29  | 10°21          | 1°30          | 7°18          | 27°46  | 28°55        | 14° 1           | 11°23          | S 24 |
| S 25 | 18 12 2  | 3°17'54  | 22°33           | 25°23 | 2°42          | 19°38          | 24° 7          | 0°37  | 10°24          | 1°30          | 7°19          | 27°47  | 28°52        | 14° 8           | 11°28          | S 25 |
| M26  | 18 15 58 | 4°15'08  | 4 Mp 29         | 27°31 | 3°56          | 20°14          | 24°17          | 0°44  | 10°27          | 1°31          | 7°21          | 27°49  | 28°49        | 14°15           | 11°33          | M26  |
| T 27 | 18 19 55 | 5°12'22  | 16°20           | 29°40 | 5°10          | 20°50          | 24°27          | 0°52  | 10°30          | 1°31          | 7°22          | 27°51  | 28°45        | 14°21           | 11°38          | T 27 |
| W28  | 18 23 51 | 6° 9'35  | 28°11           | 1950  | 6°23          | 21°26          | 24°38          | 1° 0  | 10°34          | 1°32          | 7°24          | 27°52  | 28°42        | 14°28           | 11°43          | W28  |
| T 29 | 18 27 48 | 7° 6'47  | 10 <b>♀</b> 8   | 4° 1  | 7°37          | 22° 3          | 24°48          | 1° 8  | 10°37          | 1°32          | 7°25          | 27°R52 | 28°39        | 14°35           | 11°48          | T 29 |
| F 30 | 18 31 44 | 89 3'59  | 22 <b>≏</b> 14  | 69612 | 8951          | 22 <b>Ω</b> 39 | 24 <b>Ω</b> 59 | 19915 | 10 <b>Ⅱ</b> 40 | 1 <b>≏</b> 33 | $7\Omega$ 27  | 27951  | 28936        | 14 <b>m</b> 41  | 11 <b>M</b> 54 | F 30 |

Delta T = 26.74 sec

JULY 1944 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ            | ·             | ♂               | 4              | ħ            | )f(            | 卉             | Р             | ß      | v     | ţ               | ę,              | Day  |
|------|----------|------------------|----------------|--------------|---------------|-----------------|----------------|--------------|----------------|---------------|---------------|--------|-------|-----------------|-----------------|------|
| S 1  | 18 35 41 | 995 1'11         | 4 <b>M</b> .34 | 8922         | 109 5         | 23 <b>\O</b> 15 | 25 <b>Ω</b> 10 | 19923        | 10 <b>Ⅱ</b> 43 | 1 <b>≏</b> 33 | 7 <b>Ω</b> 29 | 27°R50 | 28933 | 14 <b>M</b> )48 | 11 <b>m</b> 59  | S 1  |
| S 2  | 18 39 38 | 9°58'22          | 17°13          | 10°33        | 11°18         | 23°51           | 25°21          | 1°31         | 10°47          | 1°34          | 7°30          | 279548 | 28°30 | 14°55           | 12° 5           | S 2  |
| M 3  | 18 43 34 | 10°55'33         | 0 <b>√</b> 12  | 12°43        | 12°32         | 24°27           | 25°32          | 1°39         | 10°50          | 1°35          | 7°32          | 27°45  | 28°26 | 15° 2           | 12°10           | M 3  |
| T 4  | 18 47 31 | 11°52'44         | 13°33          | 14°52        | 13°46         | 25° 4           | 25°42          | 1°46         | 10°53          | 1°35          | 7°33          | 27°43  | 28°23 | 15° 8           | 12°16           | T 4  |
| W 5  | 18 51 27 | 12°49'55         | 27°17          | 17° 1        | 15° 0         | 25°40           | 25°54          | 1°54         | 10°56          | 1°36          | 7°35          | 27°41  | 28°20 | 15°15           | 12°22           | W 5  |
| T 6  | 18 55 24 | 13°47'06         | 11 <b>る</b> 20 | 19°8         | 16°13         | 26°16           | 26° 5          | 2° 2         | 10°59          | 1°37          | 7°37          | 27°40  | 28°17 | 15°22           | 12°28           | T 6  |
| F 7  | 18 59 20 | 14°44'16         | 25°39          | 21°14        | 17°27         | 26°53           | 26°16          | 2°10         | 11° 2          | 1°38          | 7°38          | 27°D40 | 28°14 | 15°28           | 12°34           | F 7  |
| S 8  | 19 3 17  | 15°41'27         | 10≈ 9          | 23°18        | 18°41         | 27°29           | 26°27          | 2°17         | 11° 5          | 1°38          | 7°40          | 27°40  | 28°11 | 15°35           | 12°40           | S 8  |
| S 9  | 19 7 13  | 16°38'39         | 24°45          | 25°21        | 19°55         | 28° 6           | 26°38          | 2°25         | 11°8           | 1°39          | 7°41          | 27°40  | 28° 7 | 15°42           | 12°46           | S 9  |
| M10  | 19 11 10 | 17°35'50         | 9 <b>∺</b> 20  | 27°23        | 21° 8         | 28°42           | 26°50          | 2°33         | 11°11          | 1°40          | 7°43          | 27°41  | 28° 4 | 15°48           | 12°52           | M10  |
| T 11 | 19 15 7  | 18°33'02         | 23°49          | 29°22        | 22°22         | 29°19           | 27° 1          | 2°40         | 11°14          | 1°41          | 7°45          | 27°42  | 28° 1 | 15°55           | 12°58           | T 11 |
| W12  | 19 19 3  | 19°30'14         | 8 <b>Υ</b> 9   | $1\Omega 20$ | 23°36         | 29°56           | 27°13          | 2°48         | 11°17          | 1°42          | 7°46          | 27°43  | 27°58 | 16° 2           | 13° 4           | W12  |
| T 13 | 19 23 0  | 20°27'27         | 22°17          | 3°16         | 24°50         | 0 Mp 32         | 27°24          | 2°55         | 11°20          | 1°43          | 7°48          | 27°R43 | 27°55 | 16° 8           | 13°11           | T 13 |
| F 14 | 19 26 56 | 21°24'41         | 6 <b>8</b> 11  | 5°10         | 26° 4         | 1° 9            | 27°36          | 3° 3         | 11°23          | 1°44          | 7°50          | 27°42  | 27°51 | 16°15           | 13°17           | F 14 |
| S 15 | 19 30 53 | 22°21'55         | 19°50          | 7° 2         | 27°18         | 1°46            | 27°48          | 3°10         | 11°26          | 1°45          | 7°51          | 27°42  | 27°48 | 16°22           | 13°24           | S 15 |
| S 16 | 19 34 49 | 23°19'10         | 3耳13           | 8°53         | 28°31         | 2°22            | 27°59          | 3°18         | 11°29          | 1°46          | 7°53          | 27°42  | 27°45 | 16°28           | 13°30           | S 16 |
| M17  | 19 38 46 | 24°16'25         | 16°22          | 10°41        | 29°45         | 2°59            | 28°11          | 3°25         | 11°32          | 1°47          | 7°55          | 27°41  | 27°42 | 16°35           | 13°37           | M17  |
| T 18 | 19 42 42 | 25°13'41         | 29°17          | 12°28        | 0 <b>Ω</b> 59 | 3°36            | 28°23          | 3°33         | 11°34          | 1°48          | 7°57          | 27°41  | 27°39 | 16°42           | 13°44           | T 18 |
| W19  | 19 46 39 | 26°10'58         | 119558         | 14°13        | 2°13          | 4°13            | 28°35          | 3°40         | 11°37          | 1°49          | 7°58          | 27°41  | 27°36 | 16°49           | 13°50           | W19  |
| T 20 | 19 50 36 | 27° 8'15         | 24°26          | 15°56        | 3°27          | 4°50            | 28°47          | 3°48         | 11°40          | 1°50          | 8° 0          | 27°41  | 27°32 | 16°55           | 13°57           | T 20 |
| F 21 | 19 54 32 | 28° 5'33         | 6 <b>Ω</b> 42  | 17°37        | 4°41          | 5°27            | 28°59          | 3°55         | 11°43          | 1°51          | 8° 2          | 27°41  | 27°29 | 17° 2           | 14° 4           | F 21 |
| S 22 | 19 58 29 | 29° 2'51         | 18°49          | 19°17        | 5°55          | 6° 4            | 29°11          | 4° 3         | 11°45          | 1°53          | 8° 4          | 27°41  | 27°26 | 17° 9           | 14°11           | S 22 |
| S 23 | 20 2 25  | 0 <b>Ω</b> 0'10  | 0 <b>m</b> 48  | 20°54        | 7° 9          | 6°41            | 29°23          | 4°10         | 11°48          | 1°54          | 8° 5          | 27°40  | 27°23 | 17°15           | 14°18           | S 23 |
| M24  | 20 6 22  | 0°57'29          | 12°40          | 22°30        | 8°22          | 7°18            | 29°35          | 4°17         | 11°50          | 1°55          | 8° 7          | 27°40  | 27°20 | 17°22           | 14°25           | M24  |
| T 25 | 20 10 18 | 1°54'49          | 24°31          | 24° 4        | 9°36          | 7°55            | 29°47          | 4°24         | 11°53          | 1°56          | 8° 9          | 27°40  | 27°17 | 17°29           | 14°32           | T 25 |
| W26  | 20 14 15 | 2°52'09          | 6 <b>₽</b> 22  | 25°36        | 10°50         | 8°32            | 29°59          | 4°32         | 11°56          | 1°58          | 8°10          | 27°39  | 27°13 | 17°35           | 14°39           | W26  |
| T 27 | 20 18 11 | 3°49'29          | 18°17          | 27° 6        | 12° 4         | 9°10            | 0 <b>m</b> 12  | 4°39         | 11°58          | 1°59          | 8°12          | 27°38  | 27°10 | 17°42           | 14°47           | T 27 |
| F 28 | 20 22 8  | 4°46'50          | 0 <b>M</b> 22  | 28°35        | 13°18         | 9°47            | 0°24           | 4°46         | 12° 0          | 2° 0          | 8°14          | 27°D38 | 27° 7 | 17°49           | 14°54           | F 28 |
| S 29 | 20 26 5  | 5°44'11          | 12°40          | 0 Mp 1       | 14°32         | 10°24           | 0°36           | 4°53         | 12° 3          | 2° 2          | 8°16          | 27°38  | 27° 4 | 17°55           | 15° 1           | S 29 |
| S 30 | 20 30 1  | 6°41'33          | 25°16          | 1°25         | 15°46         | 11° 1           | 0°49           | 5° 0         | 12° 5          | 2° 3          | 8°17          | 27°39  | 27° 1 | 18° 2           | 15° 9           | S 30 |
| M31  | 20 33 58 | 7 <b>Ω</b> 38′56 | 8 <b>₹</b> 14  | 2 Mp 48      | 17 <b>Ω</b> 0 | 11 <b>m</b> )39 | 1 Mp 1         | 5 <b>9</b> 7 | 12 <b>II</b> 8 | 2 <b>º</b> 5  | 8 <b>Ω</b> 19 | 27939  | 26957 | 18 <b>m</b> ) 9 | 15 <b>M</b> p16 | M31  |

Delta T = 26.79 sec

AUGUST 1944 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ð               | 4               | ħ     | )f(             | ¥            | Р             | ₽.     | ಬ      | Ç               | ę,             | Day  |
|------|----------|------------------|----------------|----------------|----------------|-----------------|-----------------|-------|-----------------|--------------|---------------|--------|--------|-----------------|----------------|------|
| T 1  | 20 37 54 | 8 <b>Ω</b> 36'19 | 21 <b>×</b> 36 | 4Mm 9          | 18 <b>Ω</b> 14 | 12 <b>M</b> )16 | 1 <b>m</b> ) 14 | 59914 | 12 <b>II</b> 10 | 2 <u>ი</u> 6 | 8 <b>Ω</b> 21 | 279540 | 26954  | 18 <b>M</b> )16 | 15 <b>m</b> 23 | T 1  |
| W 2  | 20 41 51 | 9°33'43          | 5 <b>국</b> 24  | 5°27           | 19°28          | 12°54           | 1°26            | 5°21  | 12°12           | 2° 8         | 8°23          | 27°41  | 26°51  | 18°22           | 15°31          | W 2  |
| T 3  | 20 45 47 | 10°31'08         | 19°36          | 6°44           | 20°42          | 13°31           | 1°39            | 5°28  | 12°14           | 2° 9         | 8°24          | 27°42  | 26°48  | 18°29           | 15°39          | T 3  |
| F 4  | 20 49 44 | 11°28'33         | 4≈11           | 7°58           | 21°56          | 14° 8           | 1°51            | 5°35  | 12°17           | 2°11         | 8°26          | 27°R42 | 26°45  | 18°36           | 15°46          | F 4  |
| S 5  | 20 53 40 | 12°26'00         | 19° 2          | 9°10           | 23°10          | 14°46           | 2° 4            | 5°42  | 12°19           | 2°12         | 8°28          | 27°41  | 26°42  | 18°42           | 15°54          | S 5  |
| S 6  | 20 57 37 | 13°23'27         | 4 <b>)</b> 1   | 10°20          | 24°23          | 15°24           | 2°17            | 5°48  | 12°21           | 2°14         | 8°30          | 27°40  | 26°38  | 18°49           | 16° 2          | S 6  |
| M 7  | 21 134   | 14°20'55         | 19° 1          | 11°28          | 25°37          | 16° 1           | 2°29            | 5°55  | 12°23           | 2°16         | 8°31          | 27°38  | 26°35  | 18°56           | 16° 9          | M 7  |
| T 8  | 21 5 30  | 15°18'25         | 3 <b>Υ</b> 52  | 12°33          | 26°51          | 16°39           | 2°42            | 6° 2  | 12°25           | 2°17         | 8°33          | 27°36  | 26°32  | 19° 2           | 16°17          | T 8  |
| W 9  | 21 9 27  | 16°15'56         | 18°29          | 13°35          | 28° 5          | 17°17           | 2°55            | 6° 8  | 12°27           | 2°19         | 8°35          | 27°34  | 26°29  | 19° 9           | 16°25          | W 9  |
| T 10 | 21 13 23 | 17°13'28         | 2 <b>8</b> 45  | 14°35          | 29°19          | 17°54           | 3° 7            | 6°15  | 12°29           | 2°20         | 8°37          | 27°32  | 26°26  | 19°16           | 16°33          | T 10 |
| F 11 | 21 17 20 | 18°11'02         | 16°40          | 15°33          | 0 <b>m</b> y33 | 18°32           | 3°20            | 6°21  | 12°31           | 2°22         | 8°38          | 27°D32 | 26°23  | 19°22           | 16°41          | F 11 |
| S 12 | 21 21 16 | 19° 8'37         | 0П12           | 16°27          | 1°47           | 19°10           | 3°33            | 6°28  | 12°33           | 2°24         | 8°40          | 27°32  | 26°19  | 19°29           | 16°49          | S 12 |
| S 13 | 21 25 13 | 20° 6'14         | 13°23          | 17°18          | 3° 1           | 19°48           | 3°46            | 6°34  | 12°34           | 2°26         | 8°42          | 27°33  | 26°16  | 19°36           | 16°57          | S 13 |
| M14  | 21 29 9  | 21° 3'52         | 26°16          | 18° 6          | 4°15           | 20°26           | 3°59            | 6°41  | 12°36           | 2°27         | 8°44          | 27°35  | 26°13  | 19°43           | 17° 5          | M14  |
| T 15 | 21 33 6  | 22° 1'32         | 8953           | 18°51          | 5°29           | 21° 4           | 4°12            | 6°47  | 12°38           | 2°29         | 8°45          | 27°36  | 26°10  | 19°49           | 17°13          | T 15 |
| W16  | 21 37 3  | 22°59'13         | 21°16          | 19°32          | 6°43           | 21°42           | 4°24            | 6°53  | 12°40           | 2°31         | 8°47          | 27°37  | 26° 7  | 19°56           | 17°21          | W16  |
| T 17 | 21 40 59 | 23°56'56         | 3 <b>Ω</b> 29  | 20°10          | 7°57           | 22°20           | 4°37            | 6°59  | 12°41           | 2°33         | 8°49          | 27°R37 | 26° 3  | 20° 3           | 17°29          | T 17 |
| F 18 | 21 44 56 | 24°54'40         | 15°33          | 20°43          | 9°11           | 22°58           | 4°50            | 7° 5  | 12°43           | 2°35         | 8°50          | 27°36  | 26° 0  | 20° 9           | 17°37          | F 18 |
| S 19 | 21 48 52 | 25°52'26         | 27°31          | 21°13          | 10°25          | 23°36           | 5° 3            | 7°12  | 12°44           | 2°36         | 8°52          | 27°33  | 25°57  | 20°16           | 17°46          | S 19 |
| S 20 | 21 52 49 | 26°50'12         | 9 <b>₯</b> 24  | 21°38          | 11°39          | 24°14           | 5°16            | 7°18  | 12°46           | 2°38         | 8°54          | 27°29  | 25°54  | 20°23           | 17°54          | S 20 |
| M21  | 21 56 45 | 27°48'00         | 21°15          | 21°58          | 12°53          | 24°52           | 5°29            | 7°23  | 12°47           | 2°40         | 8°55          | 27°24  | 25°51  | 20°29           | 18° 2          | M21  |
| T 22 | 22 0 42  | 28°45'50         | 3 <b>₾</b> 5   | 22°13          | 14° 7          | 25°31           | 5°42            | 7°29  | 12°49           | 2°42         | 8°57          | 27°19  | 25°48  | 20°36           | 18°10          | T 22 |
| W23  | 22 4 38  | 29°43'40         | 14°57          | 22°23          | 15°21          | 26° 9           | 5°55            | 7°35  | 12°50           | 2°44         | 8°59          | 27°13  | 25°44  | 20°43           | 18°19          | W23  |
| T 24 | 22 8 35  | 0 Mp 41'32       | 26°53          | 22°R28         | 16°35          | 26°47           | 6° 8            | 7°41  | 12°51           | 2°46         | 9° 0          | 27° 8  | 25°41  | 20°50           | 18°27          | T 24 |
| F 25 | 22 12 32 | 1°39'25          | 8M.58          | 22°27          | 17°49          | 27°25           | 6°21            | 7°47  | 12°53           | 2°48         | 9° 2          | 27° 5  | 25°38  | 20°56           | 18°35          | F 25 |
| S 26 | 22 16 28 | 2°37'20          | 21°14          | 22°20          | 19° 3          | 28° 4           | 6°34            | 7°52  | 12°54           | 2°50         | 9° 4          | 27° 3  | 25°35  | 21° 3           | 18°44          | S 26 |
| S 27 | 22 20 25 | 3°35'16          | 3 <b>∡</b> 746 | 22° 8          | 20°17          | 28°42           | 6°47            | 7°58  | 12°55           | 2°52         | 9° 5          | 27°D 2 | 25°32  | 21°10           | 18°52          | S 27 |
| M28  | 22 24 21 | 4°33'13          | 16°37          | 21°49          | 21°31          | 29°21           | 7° 0            | 8° 3  | 12°56           | 2°54         | 9° 7          | 27° 2  | 25°28  | 21°16           | 19° 1          | M28  |
| T 29 | 22 28 18 | 5°31'11          | 29°53          | 21°24          | 22°45          | 29°59           | 7°13            | 8° 9  | 12°57           | 2°56         | 9° 9          | 27° 4  | 25°25  | 21°23           | 19° 9          | T 29 |
| W30  | 22 32 14 | 6°29'11          | 13 <b>궁</b> 35 | 20°54          | 23°59          | 0 <u>₽</u> 38   | 7°26            | 8°14  | 12°58           | 2°58         | 9°10          | 27° 5  | 25°22  | 21°30           | 19°18          | W30  |
| T 31 | 22 36 11 | 7 Mg 27'12       | 27 <b>る</b> 45 | 20 <b>m</b> 17 | 25 Mp 13       | 1 <b>≏</b> 17   | 7 <b>m</b> 39   | 8919  | 12 <b>Ⅱ</b> 59  | 3 <b>₾</b> 0 | 9 <b>Ω</b> 12 | 27°R 6 | 259919 | 21 <b>m</b> 36  | 19 <b>m</b> 26 | T 31 |

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| Day          | Sid.t                | 0                    | D                     | ğ              | Q              | ď              | 4               | ħ            | )∤(             | ¥            | Р             | P              | v              | ţ               | Ŷ,              | Day          |
|--------------|----------------------|----------------------|-----------------------|----------------|----------------|----------------|-----------------|--------------|-----------------|--------------|---------------|----------------|----------------|-----------------|-----------------|--------------|
| F 1          | 22 40 7              | 8 Mg 25'15           | 12 <b>≈</b> 21        | 19°R35         | 26M)27         | 1 <b>≏</b> 55  | 7 <b>m</b> 52   | 8924         | 13 <b>I</b> I 0 | 3 <b>₾</b> 2 | 9Ω13          | 27°R 5         | 259516         | 21 <b>m</b> /43 | 19 <b>m</b> /35 | F 1          |
| S 2          | 22 44 4              | 9°23'19              | 27°20                 | 18 <b>M</b> 48 | 27°41          | 2°34           | 8° 5            | 8°29         | 13° 1           | 3° 4         | 9°15          | 2795 2         | 25°13          | 21°50           | 19°43           | S 2          |
| S 3          | 22 48 1              | 10°21'24             | 12 <b>)</b> €32       | 17°57          | 28°54          | 3°13           | 8°18            | 8°34         | 13° 2           | 3° 6         | 9°16          | 26°57          | 25° 9          | 21°57           | 19°52           | S 3          |
| M 4          | 22 51 57             | 11°19'31             | 27°49                 | 17° 2          | 0 <b>교</b> 8   | 3°51           | 8°31            | 8°39         | 13° 3           | 3° 8         | 9°18          | 26°51          | 25° 6          | 22° 3           | 20° 0           | M 4          |
| T 5          | 22 55 54             | 12°17'40             | 12 <b>Y</b> 59        | 16° 5          | 1°22           | 4°30           | 8°44            | 8°44         | 13° 3           | 3°10         | 9°20          | 26°45          | 25° 3          | 22°10           | 20° 9           | T 5          |
| W 6          | 22 59 50             | 13°15'51             | 27°53                 | 15° 6          | 2°36           | 5° 9           | 8°57            | 8°49         | 13° 4           | 3°13         | 9°21          | 26°38          | 25° 0          | 22°17           | 20°17           | W 6          |
| T 7          | 23 3 47              | 14°14'04             | 12823                 | 14° 7          | 3°50           | 5°48           | 9°10            | 8°54         | 13° 5           | 3°15         | 9°23          | 26°33          | 24°57          | 22°23           | 20°26           | T 7          |
| F 8          | 23 7 43              | 15°12'19             | 26°26                 | 13° 9          | 5° 4           | 6°27           | 9°23            | 8°58         | 13° 5           | 3°17         | 9°24          | 26°29          | 24°54          | 22°30           | 20°34           | F 8          |
| S 9          | 23 11 40             | 16°10'36             | 10 <b>I</b> I 1       | 12°13          | 6°18           | 7° 6           | 9°36            | 9° 3         | 13° 6           | 3°19         | 9°25          | 26°28          | 24°50          | 22°37           | 20°43           | S 9          |
| S 10         | 23 15 36             | 17° 8'56             | 23°10                 | 11°21          | 7°32           | 7°45           | 9°49            | 9° 7         | 13° 6           | 3°21         | 9°27          | 26°D28         | 24°47          | 22°43           | 20°52           | S 10         |
| M11          | 23 19 33             | 18° 7'17             | 5955                  | 10°35          | 8°46           | 8°24           | 10° 2           | 9°12         | 13° 7           | 3°23         | 9°28          | 26°29          | 24°44          | 22°50           | 21° 0           | M11          |
| T 12         | 23 23 29             | 19° 5'40             | 18°23                 | 9°54           | 10° 0          | 9° 3           | 10°15           | 9°16         | 13° 7           | 3°25         | 9°30          | 26°30          | 24°41          | 22°57           | 21° 9           | T 12         |
| W13          | 23 27 26             | 20° 4'06             | 0 <b>Ω</b> 35         | 9°21           | 11°14          | 9°42           | 10°28           | 9°20         | 13° 7           | 3°28         | 9°31          | 26°R30         | 24°38          | 23° 4           | 21°18           | W13          |
| T 14<br>F 15 | 23 31 23<br>23 35 19 | 21° 2'34<br>22° 1'03 | 12°38<br>24°33        | 8°55<br>8°39   | 12°27<br>13°41 | 10°22<br>11° 1 | 10°41<br>10°54  | 9°24<br>9°28 | 13° 8<br>13° 8  | 3°30<br>3°32 | 9°33<br>9°34  | 26°28<br>26°25 | 24°34<br>24°31 | 23°10<br>23°17  | 21°26<br>21°35  | T 14<br>F 15 |
| S 16         | 23 33 19             | 22°59'35             | 6Mp 25                | 8°D31          | 13 41<br>14°55 | 11°40          | 10° 34<br>11° 7 | 9°32         | 13° 8           | 3°34         | 9°35          | 26°18          | 24°31<br>24°28 | 23°24           | 21°43           | S 16         |
|              |                      |                      |                       |                |                |                |                 |              |                 |              |               |                |                |                 | _               |              |
| S 17         | 23 43 12             | 23°58'08             | 18°15                 | 8°33           | 16° 9          | 12°20          | 11°20           | 9°36         | 13° 8           | 3°36         | 9°37          | 26°10          | 24°25          | 23°30           | 21°52           | S 17         |
| M18<br>T 19  | 23 47 9<br>23 51 5   | 24°56'43<br>25°55'21 | 0 <b>₾</b> 6<br>11°59 | 8°45<br>9° 6   | 17°23<br>18°37 | 12°59<br>13°39 | 11°33<br>11°45  | 9°40<br>9°44 | 13° 8<br>13°R 8 | 3°39<br>3°41 | 9°38<br>9°39  | 25°59<br>25°48 | 24°22<br>24°19 | 23°37<br>23°44  | 22° 1<br>22° 9  | M18<br>T 19  |
| W20          | 23 55 2              | 25°54'00             | 23°55                 | 9°37           | 18 37<br>19°51 | 13 39<br>14°18 | 11°58           | 9°47         | 13° 8           | 3°43         | 9°41          | 25°36          | 24 19<br>24°15 | 23°50           | 22°18           | W20          |
| T 21         | 23 58 58             | 20°52'41             | 5 <b>M</b> .56        | 10°16          | 21° 4          | 14°18          | 11°38           | 9°51         | 13° 8           | 3°45         | 9°42          | 25°25          | 24°12          | 23°57           | 22°27           | T 21         |
| F 22         | 0 2 55               | 28°51'24             | 18° 4                 | 11° 4          | 22°18          | 15°37          | 12°24           | 9°54         | 13° 8           | 3°48         | 9°43          | 25°16          | 24° 9          | 24° 4           | 22°35           | F 22         |
| S 23         | 0 6 52               | 29°50'09             | 0 <b>∡</b> 123        | 12° 0          | 23°32          | 16°17          | 12°37           | 9°57         | 13° 8           | 3°50         | 9°44          | 25°10          | 24° 6          | 24°11           | 22°44           | S 23         |
| S 24         | 0 10 48              | 0 <b>ჲ</b> 48'55     | 12°54                 | 13° 3          | 24°46          | 16°57          | 12°49           | 10° 0        | 13° 7           | 3°52         | 9°46          | 25° 6          | 24° 3          | 24°17           | 22°52           | S 24         |
| M25          | 0 14 45              | 1°47'43              | 25°42                 | 14°13          | 26° 0          | 17°36          | 13° 2           | 10° 4        | 13° 7           | 3°54         | 9°47          | 25° 5          | 24° 0          | 24°24           | 23° 1           | M25          |
| T 26         | 0 18 41              | 2°46'33              | 8 <b>ප</b> 51         | 15°29          | 27°13          | 18°16          | 13°15           | 10° 7        | 13° 7           | 3°56         | 9°48          | 25°D 5         | 23°56          | 24°31           | 23°10           | T 26         |
| W27          | 0 22 38              | 3°45'25              | 22°23                 | 16°51          | 28°27          | 18°56          | 13°27           | 10° 9        | 13° 6           | 3°59         | 9°49          | 25°R 5         | 23°53          | 24°37           | 23°18           | W27          |
| T 28         | 0 26 34              | 4°44'18              | 6≈22                  | 18°17          | 29°41          | 19°36          | 13°40           | 10°12        | 13° 6           | 4° 1         | 9°50          | 25° 5          | 23°50          | 24°44           | 23°27           | T 28         |
| F 29         | 0 30 31              | 5°43'13              | 20°48                 | 19°48          | 0 <b>M</b> .55 | 20°16          | 13°52           | 10°15        | 13° 5           | 4° 3         | 9°51          | 25° 2          | 23°47          | 24°51           | 23°35           | F 29         |
| S 30         | 0 34 27              | 6 <b>₽</b> 42'10     | 5 <b></b> ₩38         | 21 Mp 22       | 2M 8           | 20 <b>ჲ</b> 56 | 14 Mp 5         | 10917        | 13 <b>II</b> 5  | 4 <b>º</b> 5 | 9 <b>Ω</b> 52 | 24958          | 239544         | 24 M 57         | 23 Mp 44        | S 30         |

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| Day  | Sid.t   | $\odot$          | D                | ğ               | φ             | ♂              | 4        | ħ      | )f(            | #             | Р              | r      | Ω      | Ç              | ď              | Day  |
|------|---------|------------------|------------------|-----------------|---------------|----------------|----------|--------|----------------|---------------|----------------|--------|--------|----------------|----------------|------|
| S 1  | 0 38 24 | 7 <b>≏</b> 41'08 | 20 <b>) (</b> 46 | 22 m 58         | 3M22          | 21 <b>≏</b> 36 | 14 Mp 17 | 109520 | 13°R 4         | 4 <b>º</b> 8  | 9 <b>Ω</b> 53  | 24°R50 | 239540 | 25 Mp 4        | 23 <b>m</b> 52 | S 1  |
| M 2  | 0 42 21 | 8°40'09          | 6 <b>Υ</b> 4     | 24°38           | 4°36          | 22°16          | 14°30    | 10°22  | 13 <b>II</b> 4 | 4°10          | 9°54           | 249541 | 23°37  | 25°11          | 24° 1          | M 2  |
| T 3  | 0 46 17 | 9°39'11          | 21°20            | 26°19           | 5°50          | 22°56          | 14°42    | 10°25  | 13° 3          | 4°12          | 9°55           | 24°30  | 23°34  | 25°18          | 24° 9          | T 3  |
| W 4  | 0 50 14 | 10°38'16         | 6 <b>8</b> 23    | 28° 2           | 7° 3          | 23°36          | 14°54    | 10°27  | 13° 2          | 4°14          | 9°56           | 24°19  | 23°31  | 25°24          | 24°18          | W 4  |
| T 5  | 0 54 10 | 11°37'23         | 21° 4            | 29°46           | 8°17          | 24°16          | 15° 7    | 10°29  | 13° 1          | 4°16          | 9°57           | 24°10  | 23°28  | 25°31          | 24°26          | T 5  |
| F 6  | 0 58 7  | 12°36'32         | 5 <b>Ⅱ</b> 17    | 1 <b>≏</b> 31   | 9°31          | 24°56          | 15°19    | 10°31  | 13° 1          | 4°19          | 9°58           | 24° 3  | 23°25  | 25°38          | 24°35          | F 6  |
| S 7  | 1 2 3   | 13°35'43         | 18°59            | 3°16            | 10°44         | 25°37          | 15°31    | 10°33  | 13° 0          | 4°21          | 9°59           | 23°59  | 23°21  | 25°44          | 24°43          | S 7  |
| S 8  | 1 6 0   | 14°34'57         | 29512            | 5° 2            | 11°58         | 26°17          | 15°43    | 10°34  | 12°59          | 4°23          | 10° 0          | 23°57  | 23°18  | 25°51          | 24°51          | S 8  |
| M 9  | 1 9 56  | 15°34'13         | 15° 0            | 6°48            | 13°11         | 26°57          | 15°56    | 10°36  | 12°58          | 4°25          | 10° 1          | 23°D57 | 23°15  | 25°58          | 25° 0          | M 9  |
| T 10 | 1 13 53 | 16°33'32         | 27°25            | 8°33            | 14°25         | 27°38          | 16° 8    | 10°38  | 12°57          | 4°28          | 10° 2          | 23°R57 | 23°12  | 26° 5          | 25° 8          | T 10 |
| W11  | 1 17 50 | 17°32'52         | 9 <b>Ω</b> 35    | 10°19           | 15°39         | 28°18          | 16°20    | 10°39  | 12°56          | 4°30          | 10° 3          | 23°56  | 23° 9  | 26°11          | 25°16          | W11  |
| T 12 | 1 21 46 | 18°32'15         | 21°33            | 12° 5           | 16°52         | 28°59          | 16°32    | 10°40  | 12°54          | 4°32          | 10° 4          | 23°53  | 23° 5  | 26°18          | 25°25          | T 12 |
| F 13 | 1 25 43 | 19°31'41         | 3 <b>m</b> 25    | 13°50           | 18° 6         | 29°39          | 16°44    | 10°41  | 12°53          | 4°34          | 10° 4          | 23°48  | 23° 2  | 26°25          | 25°33          | F 13 |
| S 14 | 1 29 39 | 20°31'08         | 15°14            | 15°34           | 19°19         | 0 <b>M</b> 20  | 16°55    | 10°43  | 12°52          | 4°36          | 10° 5          | 23°40  | 22°59  | 26°31          | 25°41          | S 14 |
| S 15 | 1 33 36 | 21°30'38         | 27° 4            | 17°19           | 20°33         | 1° 1           | 17° 7    | 10°43  | 12°51          | 4°38          | 10° 6          | 23°29  | 22°56  | 26°38          | 25°49          | S 15 |
| M16  | 1 37 32 | 22°30'09         | 8 <b>≏</b> 58    | 19° 2           | 21°47         | 1°41           | 17°19    | 10°44  | 12°49          | 4°41          | 10° 7          | 23°16  | 22°53  | 26°45          | 25°57          | M16  |
| T 17 | 1 41 29 | 23°29'43         | 20°56            | 20°45           | 23° 0         | 2°22           | 17°31    | 10°45  | 12°48          | 4°43          | 10° 7          | 23° 2  | 22°50  | 26°51          | 26° 5          | T 17 |
| W18  | 1 45 25 | 24°29'19         | 3 <b>™</b> 0     | 22°28           | 24°14         | 3° 3           | 17°42    | 10°46  | 12°47          | 4°45          | 10° 8          | 22°47  | 22°46  | 26°58          | 26°14          | W18  |
| T 19 | 1 49 22 | 25°28'57         | 15°11            | 24°10           | 25°27         | 3°44           | 17°54    | 10°46  | 12°45          | 4°47          | 10° 9          | 22°33  | 22°43  | 27° 5          | 26°22          | T 19 |
| F 20 | 1 53 18 | 26°28'37         | 27°30            | 25°51           | 26°41         | 4°25           | 18° 5    | 10°47  | 12°44          | 4°49          | 10° 9          | 22°22  | 22°40  | 27°12          | 26°30          | F 20 |
| S 21 | 1 57 15 | 27°28'18         | 9 <b>,</b> ₹58   | 27°32           | 27°54         | 5° 6           | 18°17    | 10°47  | 12°42          | 4°51          | 10°10          | 22°14  | 22°37  | 27°18          | 26°37          | S 21 |
| S 22 | 2 1 12  | 28°28'02         | 22°38            | 29°12           | 29° 8         | 5°47           | 18°28    | 10°47  | 12°41          | 4°53          | 10°10          | 22° 8  | 22°34  | 27°25          | 26°45          | S 22 |
| M23  | 2 5 8   | 29°27'47         | 5 <b>云</b> 30    | 0 <b>M</b> 52   | 0 <b>才</b> 21 | 6°28           | 18°40    | 10°R47 | 12°39          | 4°55          | 10°11          | 22° 5  | 22°31  | 27°32          | 26°53          | M23  |
| T 24 | 2 9 5   | 0 <b>M</b> 27'34 | 18°38            | 2°31            | 1°35          | 7° 9           | 18°51    | 10°47  | 12°37          | 4°57          | 10°12          | 22°D 5 | 22°27  | 27°38          | 27° 1          | T 24 |
| W25  | 2 13 1  | 1°27'23          | 2≈ 5             | 4° 9            | 2°48          | 7°50           | 19° 2    | 10°47  | 12°36          | 4°59          | 10°12          | 22°R 5 | 22°24  | 27°45          | 27° 9          | W25  |
| T 26 | 2 16 58 | 2°27'13          | 15°53            | 5°47            | 4° 1          | 8°32           | 19°13    | 10°47  | 12°34          | 5° 1          | 10°12          | 22° 4  | 22°21  | 27°52          | 27°17          | T 26 |
| F 27 | 2 20 54 | 3°27'05          | 0 <b>∺</b> 4     | 7°24            | 5°15          | 9°13           | 19°24    | 10°46  | 12°32          | 5° 4          | 10°13          | 22° 2  | 22°18  | 27°59          | 27°24          | F 27 |
| S 28 | 2 24 51 | 4°26'59          | 14°36            | 9° 1            | 6°28          | 9°54           | 19°35    | 10°46  | 12°30          | 5° 6          | 10°13          | 21°57  | 22°15  | 28° 5          | 27°32          | S 28 |
| S 29 | 2 28 47 | 5°26'54          | 29°27            | 10°37           | 7°41          | 10°35          | 19°46    | 10°45  | 12°28          | 5° 8          | 10°14          | 21°50  | 22°11  | 28°12          | 27°40          | S 29 |
| M30  | 2 32 44 | 6°26'51          | 14 <b>Υ</b> 28   | 12°13           | 8°55          | 11°17          | 19°57    | 10°45  | 12°26          | 5° 9          | 10°14          | 21°40  | 22° 8  | 28°19          | 27°47          | M30  |
| T 31 | 2 36 41 | 7 <b>M</b> 26'50 | 29 <b>Y</b> 32   | 13 <b>M</b> .48 | 10 <b>才</b> 8 | 11 <b>M</b> 58 | 20Mp 7   | 109544 | 12 <b>Ⅱ</b> 25 | 5 <b>≏</b> 11 | 10 <b>Ω</b> 14 | 219529 | 229 5  | 28 <b>m</b> 25 | 27 <b>m</b> 55 | T 31 |

Delta T = 26.92 sec

NOVEMBER 1944 00:00 UT

| Day  | Sid.t   | 0                  | D              | ğ               | φ               | ♂              | 4              | ħ      | )∤(             | ¥             | Р              | ß      | Ω      | Ç               | ę<br>k       | Day  |
|------|---------|--------------------|----------------|-----------------|-----------------|----------------|----------------|--------|-----------------|---------------|----------------|--------|--------|-----------------|--------------|------|
| W 1  | 2 40 37 | 8M26'50            | 14828          | 15 <b>M</b> 23  | 11 <b>×</b> 121 | 12 <b>M</b> 40 | 20 <b>m</b> 18 | 10°R43 | 12°R23          | 5 <b>₽</b> 13 | 10Ω15          | 21°R18 | 2295 2 | 28 <b>m</b> /32 | 28Mp 2       | W 1  |
| T 2  | 2 44 34 | 9°26'53            | 29° 7          | 16°57           | 12°34           | 13°21          | 20°28          | 109542 | 12 <b>Ⅲ</b> 21  | 5°15          | 10°15          | 2195 9 | 21°59  | 28°39           | 28° 9        | T 2  |
| F 3  | 2 48 30 | 10°26'57           | 13 <b>Ⅱ</b> 22 | 18°31           | 13°48           | 14° 3          | 20°39          | 10°41  | 12°19           | 5°17          | 10°15          | 21° 1  | 21°56  | 28°46           | 28°17        | F 3  |
| S 4  | 2 52 27 | 11°27'04           | 27° 9          | 20° 5           | 15° 1           | 14°45          | 20°49          | 10°40  | 12°17           | 5°19          | 10°15          | 20°56  | 21°52  | 28°52           | 28°24        | S 4  |
| S 5  | 2 56 23 | 12°27'12           | 109528         | 21°38           | 16°14           | 15°26          | 20°59          | 10°38  | 12°14           | 5°21          | 10°16          | 20°54  | 21°49  | 28°59           | 28°31        | S 5  |
| M 6  | 3 0 20  | 13°27'23           | 23°20          | 23°10           | 17°27           | 16° 8          | 21°10          | 10°37  | 12°12           | 5°23          | 10°16          | 20°D54 | 21°46  | 29° 6           | 28°38        | M 6  |
| T 7  | 3 4 16  | 14°27'36           | 5 <b>Ω</b> 49  | 24°43           | 18°40           | 16°50          | 21°20          | 10°35  | 12°10           | 5°25          | 10°16          | 20°54  | 21°43  | 29°12           | 28°45        | T 7  |
| W 8  | 3 8 13  | 15°27'50           | 18° 1          | 26°15           | 19°53           | 17°32          | 21°30          | 10°33  | 12° 8           | 5°27          | 10°16          | 20°R54 | 21°40  | 29°19           | 28°52        | W 8  |
| T 9  | 3 12 10 | 16°28'07           | 0 <b>m</b> y 1 | 27°46           | 21° 7           | 18°14          | 21°40          | 10°32  | 12° 6           | 5°28          | 10°16          | 20°53  | 21°37  | 29°26           | 28°59        | T 9  |
| F 10 | 3 16 6  | 17°28'26           | 11°53          | 29°18           | 22°20           | 18°56          | 21°49          | 10°30  | 12° 4           | 5°30          | 10°16          | 20°50  | 21°33  | 29°33           | 29° 6        | F 10 |
| S 11 | 3 20 3  | 18°28'46           | 23°43          | 0 <b>,</b> 749  | 23°33           | 19°38          | 21°59          | 10°28  | 12° 1           | 5°32          | 10°R16         | 20°44  | 21°30  | 29°39           | 29°13        | S 11 |
| S 12 | 3 23 59 | 19°29'09           | 5 <b>₽</b> 34  | 2°19            | 24°46           | 20°20          | 22° 9          | 10°26  | 11°59           | 5°34          | 10°16          | 20°36  | 21°27  | 29°46           | 29°20        | S 12 |
| M13  | 3 27 56 | 20°29'33           | 17°31          | 3°49            | 25°59           | 21° 2          | 22°18          | 10°23  | 11°57           | 5°35          | 10°16          | 20°26  | 21°24  | 29°53           | 29°27        | M13  |
| T 14 | 3 31 52 | 21°29'59           | 29°36          | 5°19            | 27°12           | 21°44          | 22°28          | 10°21  | 11°54           | 5°37          | 10°16          | 20°15  | 21°21  | 29°59           | 29°33        | T 14 |
| W15  | 3 35 49 | 22°30'27           | 11 <b>M</b> 50 | 6°49            | 28°25           | 22°26          | 22°37          | 10°19  | 11°52           | 5°39          | 10°16          | 20° 3  | 21°17  | 0 <b>호</b> 6    | 29°40        | W15  |
| T 16 | 3 39 45 | 23°30'57           | 24°14          | 8°18            | 29°37           | 23° 9          | 22°46          | 10°16  | 11°50           | 5°40          | 10°16          | 19°52  | 21°14  | 0°13            | 29°46        | T 16 |
| F 17 | 3 43 42 | 24°31'28           | 6 <b>₮</b> 49  | 9°47            | 0 <b>궁</b> 50   | 23°51          | 22°55          | 10°14  | 11°47           | 5°42          | 10°16          | 19°43  | 21°11  | 0°20            | 29°53        | F 17 |
| S 18 | 3 47 39 | 25°32'01           | 19°35          | 11°15           | 2° 3            | 24°33          | 23° 4          | 10°11  | 11°45           | 5°44          | 10°15          | 19°37  | 21° 8  | 0°26            | 29°59        | S 18 |
| S 19 | 3 51 35 | 26°32'35           | 2 <b>ප</b> 32  | 12°43           | 3°16            | 25°16          | 23°13          | 10° 8  | 11°43           | 5°45          | 10°15          | 19°33  | 21° 5  | 0°33            | 0₾ 5         | S 19 |
| M20  | 3 55 32 | 27°33'10           | 15°40          | 14°10           | 4°29            | 25°58          | 23°21          | 10° 5  | 11°40           | 5°47          | 10°15          | 19°D31 | 21° 2  | 0°40            | 0°12         | M20  |
| T 21 | 3 59 28 | 28°33'47           | 29° 0          | 15°37           | 5°42            | 26°41          | 23°30          | 10° 2  | 11°38           | 5°48          | 10°15          | 19°32  | 20°58  | 0°46            | 0°18         | T 21 |
| W22  | 4 3 25  | 29°34'25           | 12≈33          | 17° 3           | 6°54            | 27°23          | 23°38          | 9°59   | 11°35           | 5°50          | 10°14          | 19°33  | 20°55  | 0°53            | 0°24         | W22  |
| T 23 | 4 7 21  | 0 <b>₮</b> 35'04   | 26°20          | 18°29           | 8° 7            | 28° 6          | 23°47          | 9°56   | 11°33           | 5°51          | 10°14          | 19°R34 | 20°52  | 1° 0            | 0°30         | T 23 |
| F 24 | 4 11 18 | 1°35'44            | 10 <b>米</b> 22 | 19°53           | 9°19            | 28°48          | 23°55          | 9°53   | 11°30           | 5°53          | 10°14          | 19°33  | 20°49  | 1° 7            | 0°36         | F 24 |
| S 25 | 4 15 14 | 2°36'25            | 24°38          | 21°17           | 10°32           | 29°31          | 24° 3          | 9°49   | 11°28           | 5°54          | 10°13          | 19°31  | 20°46  | 1°13            | 0°41         | S 25 |
| S 26 | 4 19 11 | 3°37'07            | 9 <b>Υ</b> 5   | 22°40           | 11°45           | 0 <b>∡</b> 14  | 24°11          | 9°46   | 11°25           | 5°55          | 10°13          | 19°27  | 20°43  | 1°20            | 0°47         | S 26 |
| M27  | 4 23 8  | 4°37'50            | 23°41          | 24° 1           | 12°57           | 0°57           | 24°19          | 9°42   | 11°23           | 5°57          | 10°13          | 19°21  | 20°39  | 1°27            | 0°53         | M27  |
| T 28 | 4 27 4  | 5°38'35            | 8818           | 25°22           | 14° 9           | 1°40           | 24°27          | 9°39   | 11°20           | 5°58          | 10°12          | 19°14  | 20°36  | 1°33            | 0°58         | T 28 |
| W29  | 4 31 1  | 6°39'20            | 22°51          | 26°40           | 15°22           | 2°22           | 24°34          | 9°35   | 11°18           | 5°59          | 10°12          | 19° 7  | 20°33  | 1°40            | 1° 4         | W29  |
| T 30 | 4 34 57 | 7 <b>,</b> 7⁴40'07 | 7 <b>Ⅱ</b> 12  | 27 <b>×</b> 758 | 16 <b>ප</b> 34  | 3 <b>₹</b> 5   | 24 Mp 42       | 9931   | 11 <b>II</b> 15 | 6 <b>₾</b> 1  | 10 <b>Ω</b> 11 | 1995 1 | 20930  | 1 <b>≏</b> 47   | 1 <b>♀</b> 9 | T 30 |

Delta T = 26.97 sec

DECEMBER 1944 00:00 UT

| Day  | Sid.t   | $\odot$           | <b>)</b>        | φ               | φ              | o <sup>7</sup>  | 4        | ħ            | )∤(             | ¥             | P 2           | ß      | Ω      | Ç             | Š             | Day  |
|------|---------|-------------------|-----------------|-----------------|----------------|-----------------|----------|--------------|-----------------|---------------|---------------|--------|--------|---------------|---------------|------|
| F 1  | 4 38 54 | 8 <b>∡</b> 140'54 | 21 <b>II</b> 15 | 29 <b>×</b> 13  | 17 <b>궁</b> 46 | 3 <b>∡7</b> 48  | 24 Mp 49 | 9°R28        | 11°R13          | 6 <b>₾</b> 2  | 10°R11        | 18°R56 | 209527 | 1 <b>≏</b> 54 | 1 <b>≏</b> 14 | F 1  |
| S 2  | 4 42 50 | 9°41'44           | 4956            | 0 <b>궁</b> 25   | 18°59          | 4°31            | 24°56    | 9924         | 11 <b>II</b> 10 | 6° 3          | 10Ω10         | 18953  | 20°23  | 2° 0          | 1°20          | S 2  |
| S 3  | 4 46 47 | 10°42'34          | 18°13           | 1°36            | 20°11          | 5°15            | 25° 3    | 9°20         | 11° 8           | 6° 4          | 10°10         | 18°D52 | 20°20  | 2° 7          | 1°25          | S 3  |
| M 4  | 4 50 43 | 11°43'26          | 1 <b>Ω</b> 7    | 2°43            | 21°23          | 5°58            | 25°10    | 9°16         | 11° 5           | 6° 6          | 10° 9         | 18°53  | 20°17  | 2°14          | 1°30          | M 4  |
| T 5  | 4 54 40 | 12°44'19          | 13°41           | 3°46            | 22°35          | 6°41            | 25°17    | 9°12         | 11° 3           | 6° 7          | 10° 8         | 18°55  | 20°14  | 2°20          | 1°35          | T 5  |
| W 6  | 4 58 37 | 13°45'13          | 25°56           | 4°46            | 23°47          | 7°24            | 25°23    | 9° 7         | 11° 0           | 6° 8          | 10° 8         | 18°56  | 20°11  | 2°27          | 1°39          | W 6  |
| T 7  | 5 2 33  | 14°46'08          | 7 <b>m</b> 59   | 5°41            | 24°59          | 8° 7            | 25°30    | 9° 3         | 10°57           | 6° 9          | 10° 7         | 18°57  | 20° 8  | 2°34          | 1°44          | T 7  |
| F 8  | 5 6 30  | 15°47'05          | 19°53           | 6°31            | 26°11          | 8°51            | 25°36    | 8°59         | 10°55           | 6°10          | 10° 6         | 18°R58 | 20° 4  | 2°41          | 1°49          | F 8  |
| S 9  | 5 10 26 | 16°48'03          | 1 <b>≏</b> 44   | 7°15            | 27°22          | 9°34            | 25°42    | 8°54         | 10°52           | 6°11          | 10° 6         | 18°56  | 20° 1  | 2°47          | 1°53          | S 9  |
| S 10 | 5 14 23 | 17°49'01          | 13°38           | 7°52            | 28°34          | 10°18           | 25°48    | 8°50         | 10°50           | 6°12          | 10° 5         | 18°54  | 19°58  | 2°54          | 1°58          | S 10 |
| M11  | 5 18 19 | 18°50'02          | 25°37           | 8°22            | 29°46          | 11° 1           | 25°54    | 8°46         | 10°47           | 6°13          | 10° 4         | 18°50  | 19°55  | 3° 1          | 2° 2          | M11  |
| T 12 | 5 22 16 | 19°51'03          | 7 <b>M</b> .46  | 8°43            | 0≈57           | 11°45           | 26° 0    | 8°41         | 10°45           | 6°14          | 10° 3         | 18°45  | 19°52  | 3° 7          | 2° 6          | T 12 |
| W13  | 5 26 12 | 20°52'05          | 20° 8           | 8°55            | 2° 9           | 12°28           | 26° 5    | 8°37         | 10°42           | 6°15          | 10° 3         | 18°40  | 19°48  | 3°14          | 2°10          | W13  |
| T 14 | 5 30 9  | 21°53'08          | 2 <b>,</b> 744  | 8°R57           | 3°20           | 13°12           | 26°10    | 8°32         | 10°40           | 6°16          | 10° 2         | 18°35  | 19°45  | 3°21          | 2°14          | T 14 |
| F 15 | 5 34 6  | 22°54'12          | 15°35           | 8°48            | 4°32           | 13°56           | 26°16    | 8°27         | 10°37           | 6°16          | 10° 1         | 18°31  | 19°42  | 3°28          | 2°18          | F 15 |
| S 16 | 5 38 2  | 23°55'17          | 28°42           | 8°28            | 5°43           | 14°39           | 26°21    | 8°23         | 10°35           | 6°17          | 10° 0         | 18°28  | 19°39  | 3°34          | 2°22          | S 16 |
| S 17 | 5 41 59 | 24°56'22          | 12る 2           | 7°56            | 6°54           | 15°23           | 26°26    | 8°18         | 10°32           | 6°18          | 9°59          | 18°D27 | 19°36  | 3°41          | 2°26          | S 17 |
| M18  | 5 45 55 | 25°57'28          | 25°36           | 7°12            | 8° 5           | 16° 7           | 26°30    | 8°13         | 10°30           | 6°19          | 9°58          | 18°27  | 19°33  | 3°48          | 2°29          | M18  |
| T 19 | 5 49 52 | 26°58'35          | 9≈20            | 6°17            | 9°16           | 16°51           | 26°35    | 8° 8         | 10°28           | 6°19          | 9°57          | 18°28  | 19°29  | 3°54          | 2°33          | T 19 |
| W20  | 5 53 48 | 27°59'41          | 23°13           | 5°13            | 10°27          | 17°35           | 26°39    | 8° 3         | 10°25           | 6°20          | 9°56          | 18°30  | 19°26  | 4° 1          | 2°36          | W20  |
| T 21 | 5 57 45 | 2 <u>9°</u> 0'48  | 7 <b>∺</b> 13   | 4° 1            | 11°38          | 18°19           | 26°43    | 7°59         | 10°23           | 6°21          | 9°55          | 18°31  | 19°23  | 4° 8          | 2°40          | T 21 |
| F 22 | 6 1 42  | 0궁 1'55           | 21°19           | 2°42            | 12°48          | 19° 3           | 26°47    | 7°54         | 10°21           | 6°21          | 9°54          | 18°32  | 19°20  | 4°15          | 2°43          | F 22 |
| S 23 | 6 5 38  | 1° 3'02           | 5 <b>Ƴ</b> 30   | 1°20            | 13°59          | 19°47           | 26°51    | 7°49         | 10°18           | 6°22          | 9°53          | 18°R32 | 19°17  | 4°21          | 2°46          | S 23 |
| S 24 | 6 9 3 5 | 2° 4'10           | 19°42           | 29 <b>×</b> 758 | 15°10          | 20°31           | 26°55    | 7°44         | 10°16           | 6°22          | 9°52          | 18°31  | 19°14  | 4°28          | 2°49          | S 24 |
| M25  | 6 13 31 | 3° 5'17           | 3 <b>8</b> 54   | 28°37           | 16°20          | 21°15           | 26°58    | 7°39         | 10°14           | 6°23          | 9°51          | 18°30  | 19°10  | 4°35          | 2°51          | M25  |
| T 26 | 6 17 28 | 4° 6'24           | 18° 3           | 27°22           | 17°30          | 21°59           | 27° 2    | 7°34         | 10°11           | 6°23          | 9°50          | 18°28  | 19° 7  | 4°42          | 2°54          | T 26 |
| W27  | 6 21 24 | 5° 7'32           | 2 <b>II</b> 5   | 26°13           | 18°40          | 22°44           | 27° 5    | 7°29         | 10° 9           | 6°24          | 9°49          | 18°26  | 19° 4  | 4°48          | 2°57          | W27  |
| T 28 | 6 25 21 | 6° 8'40           | 15°57           | 25°12           | 19°50          | 23°28           | 27° 8    | 7°24         | 10° 7           | 6°24          | 9°48          | 18°24  | 19° 1  | 4°55          | 2°59          | T 28 |
| F 29 | 6 29 17 | 7° 9'47           | 29°35           | 24°21           | 21° 0          | 24°12           | 27°11    | 7°19         | 10° 5           | 6°24          | 9°47          | 18°23  | 18°58  | 5° 2          | 3° 2          | F 29 |
| S 30 | 6 33 14 | 8°10'55           | 12958           | 23°40           | 22°10          | 24°57           | 27°13    | 7°14         | 10° 2           | 6°25          | 9°46          | 18°D23 | 18°55  | 5° 8          | 3° 4          | S 30 |
| S 31 | 6 37 11 | 9 <b>ට</b> 12'03  | 2695 4          | 23 <b>×</b> 10  | 23≈19          | 25 <b>×</b> 741 | 27 Mp 16 | 7 <b>9</b> 9 | 10耳 0           | 6 <b>₽</b> 25 | 9 <b>Ω</b> 45 | 18923  | 18951  | 5 <b>≙</b> 15 | 3 <b>₾</b> 6  | S 31 |

Delta T = 27.01 sec

JANUARY 1945 00:00 UT

| Day  | Sid.t   | 0        | D              | ğ              | ·              | ♂              | 4        | ħ     | )∤(           | 卉             | Р           | 'n     | ß      | Ç             | ę<br>k        | Day  |
|------|---------|----------|----------------|----------------|----------------|----------------|----------|-------|---------------|---------------|-------------|--------|--------|---------------|---------------|------|
| M 1  | 6 41 7  | 10石13'12 | 8 <b>Ω</b> 52  | 22°R51         | 24≈29          | 26 <b>₹</b> 25 | 27 Mp 18 | 7°R 4 | 9°R58         | 6 <b>₽</b> 25 | 9°R44       | 189523 | 189548 | 5 <b>₽</b> 22 | 3 <b>₾</b> 8  | M 1  |
| T 2  | 6 45 4  | 11°14'20 | 21°23          | 22 <b>~</b> 41 | 25°38          | 27°10          | 27°20    | 6959  | 9耳56          | 6°25          | $9\Omega42$ | 18°24  | 18°45  | 5°29          | 3°10          | T 2  |
| W 3  | 6 49 0  | 12°15'29 | 3 <b>m</b> 39  | 22°D40         | 26°47          | 27°54          | 27°22    | 6°54  | 9°54          | 6°26          | 9°41        | 18°25  | 18°42  | 5°35          | 3°12          | W 3  |
| T 4  | 6 52 57 | 13°16'37 | 15°43          | 22°49          | 27°56          | 28°39          | 27°23    | 6°50  | 9°52          | 6°26          | 9°40        | 18°25  | 18°39  | 5°42          | 3°13          | T 4  |
| F 5  | 6 56 53 | 14°17'46 | 27°39          | 23° 6          | 29° 5          | 29°24          | 27°25    | 6°45  | 9°50          | 6°26          | 9°39        | 18°26  | 18°35  | 5°49          | 3°15          | F 5  |
| S 6  | 7 0 50  | 15°18'55 | 9 <b>≙</b> 32  | 23°29          | 0 <b>∺</b> 13  | 8 る            | 27°26    | 6°40  | 9°48          | 6°26          | 9°38        | 18°26  | 18°32  | 5°55          | 3°16          | S 6  |
| S 7  | 7 4 46  | 16°20'05 | 21°25          | 24° 0          | 1°22           | 0°53           | 27°27    | 6°35  | 9°46          | 6°26          | 9°36        | 18°R26 | 18°29  | 6° 2          | 3°18          | S 7  |
| M 8  | 7 8 43  | 17°21'14 | 3 <b>M</b> 24  | 24°37          | 2°30           | 1°38           | 27°28    | 6°30  | 9°44          | 6°R26         | 9°35        | 18°26  | 18°26  | 6° 9          | 3°19          | M 8  |
| T 9  | 7 12 40 | 18°22'23 | 15°33          | 25°19          | 3°38           | 2°23           | 27°29    | 6°25  | 9°43          | 6°26          | 9°34        | 18°D26 | 18°23  | 6°16          | 3°20          | T 9  |
| W10  | 7 16 36 | 19°23'33 | 27°57          | 26° 6          | 4°46           | 3° 8           | 27°29    | 6°21  | 9°41          | 6°26          | 9°32        | 18°26  | 18°20  | 6°22          | 3°21          | W10  |
| T 11 | 7 20 33 | 20°24'42 | 10 <b>×</b> 38 | 26°57          | 5°54           | 3°52           | 27°30    | 6°16  | 9°39          | 6°26          | 9°31        | 18°26  | 18°16  | 6°29          | 3°22          | T 11 |
| F 12 | 7 24 29 | 21°25'52 | 23°39          | 27°52          | 7° 1           | 4°37           | 27°R30   | 6°11  | 9°37          | 6°26          | 9°30        | 18°26  | 18°13  | 6°36          | 3°22          | F 12 |
| S 13 | 7 28 26 | 22°27'01 | 7る 2           | 28°50          | 8° 9           | 5°22           | 27°30    | 6° 6  | 9°36          | 6°26          | 9°29        | 18°27  | 18°10  | 6°42          | 3°23          | S 13 |
| S 14 | 7 32 22 | 23°28'10 | 20°44          | 29°52          | 9°16           | 6° 7           | 27°30    | 6° 2  | 9°34          | 6°25          | 9°27        | 18°R27 | 18° 7  | 6°49          | 3°23          | S 14 |
| M15  | 7 36 19 | 24°29'18 | 4≈44           | 0 <b>궁</b> 56  | 10°23          | 6°52           | 27°29    | 5°57  | 9°32          | 6°25          | 9°26        | 18°27  | 18° 4  | 6°56          | 3°24          | M15  |
| T 16 | 7 40 15 | 25°30'26 | 18°57          | 2° 3           | 11°29          | 7°38           | 27°28    | 5°53  | 9°31          | 6°25          | 9°25        | 18°26  | 18° 1  | 7° 3          | 3°24          | T 16 |
| W17  | 7 44 12 | 26°31'33 | 3 <b>∺</b> 20  | 3°12           | 12°36          | 8°23           | 27°28    | 5°48  | 9°29          | 6°25          | 9°23        | 18°25  | 17°57  | 7° 9          | 3°R24         | W17  |
| T 18 | 7 48 9  | 27°32'40 | 17°46          | 4°24           | 13°42          | 9° 8           | 27°27    | 5°44  | 9°28          | 6°24          | 9°22        | 18°24  | 17°54  | 7°16          | 3°24          | T 18 |
| F 19 | 7 52 5  | 28°33'45 | 2 <b>Υ</b> 12  | 5°37           | 14°48          | 9°53           | 27°25    | 5°39  | 9°26          | 6°24          | 9°21        | 18°23  | 17°51  | 7°23          | 3°24          | F 19 |
| S 20 | 7 56 2  | 29°34'50 | 16°31          | 6°51           | 15°54          | 10°38          | 27°24    | 5°35  | 9°25          | 6°23          | 9°19        | 18°22  | 17°48  | 7°30          | 3°24          | S 20 |
| S 21 | 7 59 58 | 0≈35'53  | 0 <b>8</b> 43  | 8° 8           | 16°59          | 11°24          | 27°22    | 5°31  | 9°24          | 6°23          | 9°18        | 18°D22 | 17°45  | 7°36          | 3°23          | S 21 |
| M22  | 8 3 55  | 1°36'56  | 14°43          | 9°26           | 18° 4          | 12° 9          | 27°21    | 5°27  | 9°22          | 6°23          | 9°16        | 18°22  | 17°41  | 7°43          | 3°23          | M22  |
| T 23 | 8 7 51  | 2°37'58  | 28°32          | 10°45          | 19° 9          | 12°54          | 27°19    | 5°23  | 9°21          | 6°22          | 9°15        | 18°23  | 17°38  | 7°50          | 3°22          | T 23 |
| W24  | 8 11 48 | 3°38'59  | 12耳 8          | 12° 5          | 20°14          | 13°40          | 27°16    | 5°18  | 9°20          | 6°22          | 9°14        | 18°24  | 17°35  | 7°56          | 3°21          | W24  |
| T 25 | 8 15 44 | 4°39'58  | 25°32          | 13°26          | 21°18          | 14°25          | 27°14    | 5°14  | 9°19          | 6°21          | 9°12        | 18°26  | 17°32  | 8° 3          | 3°21          | T 25 |
| F 26 | 8 19 41 | 5°40'57  | 8 <b>9</b> 43  | 14°49          | 22°22          | 15°11          | 27°11    | 5°11  | 9°18          | 6°20          | 9°11        | 18°27  | 17°29  | 8°10          | 3°20          | F 26 |
| S 27 | 8 23 38 | 6°41'55  | 21°42          | 16°12          | 23°25          | 15°56          | 27° 9    | 5° 7  | 9°17          | 6°20          | 9°10        | 18°R27 | 17°26  | 8°17          | 3°19          | S 27 |
| S 28 | 8 27 34 | 7°42'52  | 4 <b>Ω</b> 29  | 17°37          | 24°29          | 16°42          | 27° 6    | 5° 3  | 9°16          | 6°19          | 9° 8        | 18°26  | 17°22  | 8°23          | 3°17          | S 28 |
| M29  | 8 31 31 | 8°43'47  | 17° 3          | 19° 2          | 25°32          | 17°27          | 27° 3    | 4°59  | 9°15          | 6°18          | 9° 7        | 18°24  | 17°19  | 8°30          | 3°16          | M29  |
| T 30 | 8 35 27 | 9°44'42  | 29°25          | 20°29          | 26°34          | 18°13          | 26°59    | 4°56  | 9°14          | 6°18          | 9° 5        | 18°21  | 17°16  | 8°37          | 3°15          | T 30 |
| W31  | 8 39 24 | 10≈45'36 | 11 <b>M</b> 36 | 21 <b>る</b> 56 | 27 <b>)</b> 36 | 18 <b>る</b> 58 | 26M/56   | 4952  | 9 <b>Ⅱ</b> 13 | 6 <b>₽</b> 17 | 9Ω 4        | 189518 | 179513 | 8 <b>≏</b> 43 | 3 <b>₾</b> 13 | W31  |

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FEBRUARY 1945 00:00 UT

| Day  | Sid.t    | 0                | )               | Ф              | ·              | o <sup>7</sup> | 4              | ħ     | ) <b>l</b> (  | ¥             | 2             | ß      | Ω      | ţ              | δ             | Day  |
|------|----------|------------------|-----------------|----------------|----------------|----------------|----------------|-------|---------------|---------------|---------------|--------|--------|----------------|---------------|------|
| T 1  | 8 43 20  | 11≈46'29         | 23 Mp 39        | 23 <b>궁</b> 24 | 28 <b>米</b> 38 | 19 <b>궁</b> 44 | 26°R52         | 4°R49 | 9°R12         | 6°R16         | 9°R 3         | 18°R13 | 179510 | 8 <b>亞</b> 50  | 3°R11         | T 1  |
| F 2  | 8 47 17  | 12°47'21         | 5 <b>Ω</b> 35   | 24°53          | 29°39          | 20°30          | 26 <b>M</b> 49 | 49945 | 9 <b>Ⅱ</b> 11 | 6 <b>₽</b> 15 | 9Ω 1          | 1895 9 | 17° 6  | 8°57           | 3 <b>≏</b> 10 | F 2  |
| S 3  | 8 51 13  | 13°48'12         | 17°27           | 26°23          | 0 <b>Υ</b> 40  | 21°16          | 26°45          | 4°42  | 9°11          | 6°15          | 9° 0          | 18° 6  | 17° 3  | 9° 4           | 3° 8          | S 3  |
| S 4  | 8 55 10  | 14°49'03         | 29°19           | 27°53          | 1°41           | 22° 1          | 26°40          | 4°39  | 9°10          | 6°14          | 8°58          | 18° 4  | 17° 0  | 9°10           | 3° 6          | S 4  |
| M 5  | 8 59 7   | 15°49'52         | 11 <b>M</b> .16 | 29°24          | 2°41           | 22°47          | 26°36          | 4°36  | 9° 9          | 6°13          | 8°57          | 18°D 2 | 16°57  | 9°17           | 3° 4          | M 5  |
| T 6  | 9 3 3    | 16°50'41         | 23°22           | 0≈56           | 3°41           | 23°33          | 26°32          | 4°33  | 9° 9          | 6°12          | 8°56          | 18° 3  | 16°54  | 9°24           | 3° 2          | T 6  |
| W 7  | 9 7 0    | 17°51'28         | 5 <b>₹</b> 43   | 2°29           | 4°40           | 24°19          | 26°27          | 4°30  | 9°8           | 6°11          | 8°54          | 18° 4  | 16°51  | 9°31           | 2°59          | W 7  |
| T 8  | 9 10 56  | 18°52'15         | 18°22           | 4° 3           | 5°39           | 25° 5          | 26°22          | 4°27  | 9°8           | 6°10          | 8°53          | 18° 5  | 16°47  | 9°37           | 2°57          | T 8  |
| F 9  | 9 14 53  | 19°53'01         | 1 <b>云</b> 23   | 5°37           | 6°37           | 25°51          | 26°17          | 4°24  | 9° 7          | 6° 9          | 8°51          | 18° 7  | 16°44  | 9°44           | 2°54          | F 9  |
| S 10 | 9 18 49  | 20°53'45         | 14°50           | 7°13           | 7°34           | 26°37          | 26°12          | 4°22  | 9° 7          | 6° 8          | 8°50          | 18°R 8 | 16°41  | 9°51           | 2°52          | S 10 |
| S 11 | 9 22 46  | 21°54'29         | 28°42           | 8°49           | 8°32           | 27°23          | 26° 7          | 4°19  | 9° 7          | 6° 7          | 8°49          | 18° 8  | 16°38  | 9°57           | 2°49          | S 11 |
| M12  | 9 26 42  | 22°55'11         | 13≈ 0           | 10°26          | 9°28           | 28° 9          | 26° 1          | 4°17  | 9° 7          | 6° 6          | 8°47          | 18° 5  | 16°35  | 10° 4          | 2°46          | M12  |
| T 13 | 9 30 39  | 23°55'52         | 27°37           | 12° 3          | 10°24          | 28°55          | 25°56          | 4°14  | 9° 6          | 6° 5          | 8°46          | 18° 2  | 16°32  | 10°11          | 2°43          | T 13 |
| W14  | 9 34 36  | 24°56'31         | 12 <b>)</b> 28  | 13°42          | 11°20          | 29°41          | 25°50          | 4°12  | 9° 6          | 6° 3          | 8°45          | 17°56  | 16°28  | 10°18          | 2°40          | W14  |
| T 15 | 9 38 32  | 25°57'09         | 27°23           | 15°21          | 12°15          | 0≈27           | 25°44          | 4°10  | 9° 6          | 6° 2          | 8°43          | 17°50  | 16°25  | 10°24          | 2°37          | T 15 |
| F 16 | 9 42 29  | 26°57'45         | 12 <b>Y</b> 15  | 17° 1          | 13° 9          | 1°13           | 25°38          | 4° 8  | 9°D 6         | 6° 1          | 8°42          | 17°45  | 16°22  | 10°31          | 2°34          | F 16 |
| S 17 | 9 46 25  | 27°58'19         | 26°56           | 18°43          | 14° 2          | 1°59           | 25°32          | 4° 6  | 9° 6          | 6° 0          | 8°41          | 17°40  | 16°19  | 10°38          | 2°31          | S 17 |
| S 18 | 9 50 22  | 28°58'52         | 11 <b>8</b> 19  | 20°25          | 14°55          | 2°45           | 25°26          | 4° 4  | 9° 6          | 5°59          | 8°40          | 17°37  | 16°16  | 10°44          | 2°28          | S 18 |
| M19  | 9 54 18  | 29°59'23         | 25°23           | 22° 8          | 15°47          | 3°32           | 25°20          | 4° 2  | 9° 6          | 5°57          | 8°38          | 17°D35 | 16°12  | 10°51          | 2°24          | M19  |
| T 20 | 9 58 15  | 0 <b>米</b> 59'52 | 9 <b>I</b> I 6  | 23°52          | 16°39          | 4°18           | 25°13          | 4° 1  | 9° 7          | 5°56          | 8°37          | 17°35  | 16° 9  | 10°58          | 2°21          | T 20 |
| W21  | 10 2 11  | 2° 0'19          | 22°29           | 25°36          | 17°29          | 5° 4           | 25° 7          | 3°59  | 9° 7          | 5°55          | 8°36          | 17°37  | 16° 6  | 11° 5          | 2°17          | W21  |
| T 22 | 10 6 8   | 3° 0'44          | 5935            | 27°22          | 18°19          | 5°50           | 25° 0          | 3°58  | 9° 7          | 5°54          | 8°34          | 17°38  | 16° 3  | 11°11          | 2°14          | T 22 |
| F 23 | 10 10 5  | 4° 1'07          | 18°26           | 29° 9          | 19° 8          | 6°37           | 24°53          | 3°57  | 9°8           | 5°52          | 8°33          | 17°R38 | 16° 0  | 11°18          | 2°10          | F 23 |
| S 24 | 10 14 1  | 5° 1'29          | 1 <b>Ω</b> 4    | 0 <b>∺</b> 57  | 19°56          | 7°23           | 24°46          | 3°55  | 9° 8          | 5°51          | 8°32          | 17°37  | 15°57  | 11°25          | 2° 6          | S 24 |
| S 25 | 10 17 58 | 6° 1'48          | 13°31           | 2°45           | 20°43          | 8° 9           | 24°39          | 3°54  | 9°8           | 5°50          | 8°31          | 17°34  | 15°53  | 11°32          | 2° 2          | S 25 |
| M26  | 10 21 54 | 7° 2'06          | 25°49           | 4°35           | 21°29          | 8°56           | 24°32          | 3°53  | 9° 9          | 5°48          | 8°30          | 17°29  | 15°50  | 11°38          | 1°58          | M26  |
| T 27 | 10 25 51 | 8° 2'22          | 7 <b>m</b> 59   | 6°25           | 22°15          | 9°42           | 24°25          | 3°53  | 9° 9          | 5°47          | 8°28          | 17°21  | 15°47  | 11°45          | 1°54          | T 27 |
| W28  | 10 29 47 | 9 <b>米</b> 2'36  | 20Mg 3          | 8 <b>)</b> 17  | 22 <b>Y</b> 59 | 10≈28          | 24 Mp 18       | 3952  | 9 <b>Ⅱ</b> 10 | 5 <b>≏</b> 45 | 8 <b>Ω</b> 27 | 179911 | 159544 | 11 <b>≏</b> 52 | 1 <b>≏</b> 50 | W28  |

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MARCH 1945 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ♂ <sup>™</sup> | 4        | ħ     | )Å(           | 卉             | Р             | ß      | v      | Ç              | ę,             | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------|-------|---------------|---------------|---------------|--------|--------|----------------|----------------|------|
| T 1  | 10 33 44 | 10 <b>米</b> 2'48 | 2 <b>₽</b> 1   | 10 <b>)</b> 9  | 23 <b>Y</b> 42 | 11≈15          | 24°R10   | 3°R51 | 9 <b>Ⅱ</b> 11 | 5°R44         | 8°R26         | 17°R 1 | 159541 | 11 <b>≏</b> 58 | 1°R46          | T 1  |
| F 2  | 10 37 40 | 11° 2'59         | 13°55          | 12° 3          | 24°24          | 12° 1          | 24 Mp 3  | 3951  | 9°11          | 5 <b>≏</b> 42 | 8 <b>Ω</b> 25 | 16950  | 15°38  | 12° 5          | 1 <b>≏</b> 42  | F 2  |
| S 3  | 10 41 37 | 12° 3'08         | 25°47          | 13°57          | 25° 5          | 12°48          | 23°55    | 3°50  | 9°12          | 5°41          | 8°24          | 16°40  | 15°34  | 12°12          | 1°38           | S 3  |
| S 4  | 10 45 34 | 13° 3'15         | 7 <b>M</b> 39  | 15°52          | 25°45          | 13°34          | 23°48    | 3°50  | 9°13          | 5°39          | 8°23          | 16°33  | 15°31  | 12°19          | 1°33           | S 4  |
| M 5  | 10 49 30 | 14° 3'21         | 19°35          | 17°47          | 26°23          | 14°21          | 23°40    | 3°50  | 9°14          | 5°38          | 8°22          | 16°27  | 15°28  | 12°25          | 1°29           | M 5  |
| T 6  | 10 53 27 | 15° 3'25         | 1 <b>₹</b> 39  | 19°43          | 27° 1          | 15° 7          | 23°33    | 3°D50 | 9°15          | 5°36          | 8°20          | 16°24  | 15°25  | 12°32          | 1°25           | T 6  |
| W 7  | 10 57 23 | 16° 3'28         | 13°55          | 21°40          | 27°37          | 15°54          | 23°25    | 3°50  | 9°16          | 5°35          | 8°19          | 16°D23 | 15°22  | 12°39          | 1°20           | W 7  |
| T 8  | 11 1 20  | 17° 3'29         | 26°28          | 23°37          | 28°11          | 16°40          | 23°17    | 3°50  | 9°17          | 5°33          | 8°18          | 16°23  | 15°18  | 12°46          | 1°16           | T 8  |
| F 9  | 11 5 16  | 18° 3'29         | 9 <b>ට</b> 24  | 25°34          | 28°44          | 17°27          | 23°10    | 3°50  | 9°18          | 5°32          | 8°17          | 16°R24 | 15°15  | 12°52          | 1°11           | F 9  |
| S 10 | 11 9 13  | 19° 3'26         | 22°46          | 27°31          | 29°16          | 18°13          | 23° 2    | 3°51  | 9°19          | 5°30          | 8°16          | 16°24  | 15°12  | 12°59          | 1° 7           | S 10 |
| S 11 | 11 13 9  | 20° 3'23         | 6≈36           | 29°27          | 29°46          | 19° 0          | 22°54    | 3°51  | 9°20          | 5°29          | 8°15          | 16°22  | 15° 9  | 13° 6          | 1° 2           | S 11 |
| M12  | 11 17 6  | 21° 3'17         | 20°55          | 1 <b>Y</b> 23  | 0 <b>8</b> 15  | 19°46          | 22°46    | 3°52  | 9°21          | 5°27          | 8°14          | 16°18  | 15° 6  | 13°12          | 0°57           | M12  |
| T 13 | 11 21 3  | 22° 3'10         | 5 <b>)</b> (41 | 3°18           | 0°42           | 20°33          | 22°38    | 3°53  | 9°23          | 5°26          | 8°13          | 16°11  | 15° 3  | 13°19          | 0°53           | T 13 |
| W14  | 11 24 59 | 23° 3'00         | 20°46          | 5°12           | 1° 7           | 21°20          | 22°31    | 3°54  | 9°24          | 5°24          | 8°12          | 16° 2  | 14°59  | 13°26          | 0°48           | W14  |
| T 15 | 11 28 56 | 24° 2'49         | 6 <b>℃</b> 1   | 7° 4           | 1°31           | 22° 6          | 22°23    | 3°55  | 9°25          | 5°22          | 8°12          | 15°52  | 14°56  | 13°33          | 0°43           | T 15 |
| F 16 | 11 32 52 | 25° 2'36         | 21°15          | 8°54           | 1°52           | 22°53          | 22°15    | 3°56  | 9°27          | 5°21          | 8°11          | 15°42  | 14°53  | 13°39          | 0°39           | F 16 |
| S 17 | 11 36 49 | 26° 2'20         | 6 <b>8</b> 17  | 10°41          | 2°12           | 23°40          | 22° 7    | 3°57  | 9°28          | 5°19          | 8°10          | 15°33  | 14°50  | 13°46          | 0°34           | S 17 |
| S 18 | 11 40 45 | 27° 2'03         | 20°59          | 12°25          | 2°30           | 24°26          | 22° 0    | 3°58  | 9°30          | 5°17          | 8° 9          | 15°26  | 14°47  | 13°53          | 0°29           | S 18 |
| M19  | 11 44 42 | 28° 1'43         | 5 <b>Ⅱ</b> 15  | 14° 6          | 2°46           | 25°13          | 21°52    | 3°59  | 9°31          | 5°16          | 8° 8          | 15°22  | 14°43  | 13°59          | 0°24           | M19  |
| T 20 | 11 48 38 | 29° 1'21         | 19° 5          | 15°43          | 3° 0           | 25°59          | 21°44    | 4° 1  | 9°33          | 5°14          | 8° 7          | 15°20  | 14°40  | 14° 6          | 0°20           | T 20 |
| W21  | 11 52 35 | 0 <b>℃</b> 0'57  | 29528          | 17°15          | 3°11           | 26°46          | 21°36    | 4° 3  | 9°35          | 5°13          | 8° 7          | 15°D19 | 14°37  | 14°13          | 0°15           | W21  |
| T 22 | 11 56 31 | 1° 0'30          | 15°28          | 18°42          | 3°20           | 27°33          | 21°29    | 4° 4  | 9°37          | 5°11          | 8° 6          | 15°R19 | 14°34  | 14°20          | 0°10           | T 22 |
| F 23 | 12 0 28  | 2° 0'01          | 28°10          | 20° 4          | 3°27           | 28°19          | 21°21    | 4° 6  | 9°38          | 5° 9          | 8° 5          | 15°19  | 14°31  | 14°26          | 0° 5           | F 23 |
| S 24 | 12 4 25  | 2°59'30          | 10 <b>N</b> 36 | 21°21          | 3°32           | 29° 6          | 21°14    | 4° 8  | 9°40          | 5° 8          | 8° 4          | 15°16  | 14°28  | 14°33          | 0° 1           | S 24 |
| S 25 | 12 8 21  | 3°58'56          | 22°50          | 22°31          | 3°R35          | 29°53          | 21° 6    | 4°10  | 9°42          | 5° 6          | 8° 4          | 15°11  | 14°24  | 14°40          | 29 <b>m</b> 56 | S 25 |
| M26  | 12 12 18 | 4°58'20          | 4 Mp 56        | 23°35          | 3°35           | 0 <b>∺</b> 39  | 20°59    | 4°12  | 9°44          | 5° 4          | 8° 3          | 15° 3  | 14°21  | 14°47          | 29°51          | M26  |
| T 27 | 12 16 14 | 5°57'42          | 16°57          | 24°33          | 3°32           | 1°26           | 20°51    | 4°15  | 9°46          | 5° 3          | 8° 2          | 14°53  | 14°18  | 14°53          | 29°46          | T 27 |
| W28  | 12 20 11 | 6°57'02          | 28°53          | 25°23          | 3°27           | 2°13           | 20°44    | 4°17  | 9°48          | 5° 1          | 8° 2          | 14°40  | 14°15  | 15° 0          | 29°42          | W28  |
| T 29 | 12 24 7  | 7°56'20          | 10 <b>≏</b> 47 | 26° 6          | 3°20           | 2°59           | 20°37    | 4°19  | 9°50          | 4°59          | 8° 1          | 14°25  | 14°12  | 15° 7          | 29°37          | T 29 |
| F 30 | 12 28 4  | 8°55'35          | 22°40          | 26°43          | 3°10           | 3°46           | 20°30    | 4°22  | 9°52          | 4°58          | 8° 1          | 14°11  | 14° 9  | 15°13          | 29°32          | F 30 |
| S 31 | 12 32 0  | 9 <b>Υ</b> 54'49 | 4ML32          | 27 <b>Υ</b> 12 | 2 <b>8</b> 57  | 4 <b>)</b> €33 | 20 Mg 23 | 49925 | 9∏54          | 4 <b>º</b> 56 | 8 <b>N</b> 0  | 13957  | 1495 5 | 15 <b>≏</b> 20 | 29 <b>m</b> 28 | S 31 |

Delta T = 27.13 sec

APRIL 1945 00:00 UT

| Day  | Sid.t    | 0                 | D              | ğ              | φ              | ♂                | 4              | ħ     | )Å(             | ¥             | Р            | v      | Ω      | Ç              | ď               | Day  |
|------|----------|-------------------|----------------|----------------|----------------|------------------|----------------|-------|-----------------|---------------|--------------|--------|--------|----------------|-----------------|------|
| S 1  | 12 35 57 | 10 <b>Y</b> 54'01 | 16 <b>M</b> 27 | 27 <b>Y</b> 33 | 2°R42          | 5 <b>)</b> 19    | 20°R16         | 49527 | 9Д56            | 4°R54         | 7°R59        | 13°R46 | 1495 2 | 15 <b>≏</b> 27 | 29°R23          | S 1  |
| M 2  | 12 39 54 | 11°53'11          | 28°26          | 27°48          | 2 <b>8</b> 25  | 6° 6             | 20Mg 9         | 4°30  | 9°58            | 4 <b>º</b> 53 | $7\Omega$ 59 | 13938  | 13°59  | 15°34          | 29 <b>m</b> /18 | M 2  |
| T 3  | 12 43 50 | 12°52'19          | 10 <b>₮</b> 32 | 27°55          | 2° 5           | 6°53             | 20° 2          | 4°33  | 10° 1           | 4°51          | 7°58         | 13°32  | 13°56  | 15°40          | 29°14           | T 3  |
| W 4  | 12 47 47 | 13°51'25          | 22°48          | 27°R55         | 1°43           | 7°39             | 19°56          | 4°36  | 10° 3           | 4°49          | 7°58         | 13°29  | 13°53  | 15°47          | 29° 9           | W 4  |
| T 5  | 12 51 43 | 14°50'30          | 5 <b>る</b> 20  | 27°48          | 1°19           | 8°26             | 19°49          | 4°40  | 10° 5           | 4°48          | 7°58         | 13°28  | 13°49  | 15°54          | 29° 5           | T 5  |
| F 6  | 12 55 40 | 15°49'32          | 18°10          | 27°35          | 0°52           | 9°13             | 19°43          | 4°43  | 10° 7           | 4°46          | 7°57         | 13°28  | 13°46  | 16° 0          | 29° 0           | F 6  |
| S 7  | 12 59 36 | 16°48'34          | 1≈25           | 27°15          | 0°24           | 9°59             | 19°36          | 4°46  | 10°10           | 4°45          | 7°57         | 13°28  | 13°43  | 16° 7          | 28°56           | S 7  |
| S 8  | 13 3 33  | 17°47'33          | 15° 7          | 26°50          | 29 <b>Y</b> 54 | 10°46            | 19°30          | 4°50  | 10°12           | 4°43          | 7°57         | 13°26  | 13°40  | 16°14          | 28°52           | S 8  |
| M 9  | 13 7 29  | 18°46'30          | 29°18          | 26°20          | 29°22          | 11°33            | 19°24          | 4°53  | 10°15           | 4°41          | 7°56         | 13°21  | 13°37  | 16°21          | 28°47           | M 9  |
| T 10 | 13 11 26 | 19°45'26          | 13 <b>米</b> 56 | 25°46          | 28°49          | 12°19            | 19°18          | 4°57  | 10°17           | 4°40          | 7°56         | 13°14  | 13°34  | 16°27          | 28°43           | T 10 |
| W11  | 13 15 23 | 20°44'20          | 28°58          | 25° 8          | 28°14          | 13° 6            | 19°12          | 5° 1  | 10°20           | 4°38          | 7°56         | 13° 5  | 13°30  | 16°34          | 28°39           | W11  |
| T 12 | 13 19 19 | 21°43'12          | 14 <b>Y</b> 15 | 24°27          | 27°38          | 13°52            | 19° 7          | 5° 4  | 10°22           | 4°37          | 7°55         | 12°54  | 13°27  | 16°41          | 28°35           | T 12 |
| F 13 | 13 23 16 | 22°42'02          | 29°35          | 23°44          | 27° 2          | 14°39            | 19° 1          | 5° 8  | 10°25           | 4°35          | 7°55         | 12°43  | 13°24  | 16°48          | 28°31           | F 13 |
| S 14 | 13 27 12 | 23°40'50          | 14847          | 23° 0          | 26°25          | 15°26            | 18°56          | 5°12  | 10°28           | 4°33          | 7°55         | 12°33  | 13°21  | 16°54          | 28°27           | S 14 |
| S 15 | 13 31 9  | 24°39'36          | 29°41          | 22°15          | 25°47          | 16°12            | 18°51          | 5°17  | 10°30           | 4°32          | 7°55         | 12°26  | 13°18  | 17° 1          | 28°23           | S 15 |
| M16  | 13 35 5  | 25°38'20          | 14 <b>Ⅱ</b> 10 | 21°31          | 25° 9          | 16°59            | 18°46          | 5°21  | 10°33           | 4°30          | 7°55         | 12°21  | 13°15  | 17° 8          | 28°19           | M16  |
| T 17 | 13 39 2  | 26°37'01          | 28° 9          | 20°49          | 24°31          | 17°45            | 18°41          | 5°25  | 10°36           | 4°29          | 7°55         | 12°18  | 13°11  | 17°14          | 28°15           | T 17 |
| W18  | 13 42 58 | 27°35'41          | 119540         | 20° 8          | 23°54          | 18°32            | 18°36          | 5°29  | 10°38           | 4°27          | 7°55         | 12°D18 | 13° 8  | 17°21          | 28°11           | W18  |
| T 19 | 13 46 55 | 28°34'18          | 24°44          | 19°30          | 23°17          | 19°18            | 18°31          | 5°34  | 10°41           | 4°26          | 7°54         | 12°R18 | 13° 5  | 17°28          | 28° 8           | T 19 |
| F 20 | 13 50 52 | 29°32'53          | $7\Omega_{26}$ | 18°55          | 22°41          | 20° 5            | 18°27          | 5°38  | 10°44           | 4°24          | 7°D54        | 12°18  | 13° 2  | 17°35          | 28° 4           | F 20 |
| S 21 | 13 54 48 | 0 <b>8</b> 31'26  | 19°49          | 18°24          | 22° 6          | 20°51            | 18°22          | 5°43  | 10°47           | 4°23          | 7°54         | 12°16  | 12°59  | 17°41          | 28° 1           | S 21 |
| S 22 | 13 58 45 | 1°29'56           | 1 <b>m</b> 59  | 17°56          | 21°33          | 21°38            | 18°18          | 5°48  | 10°50           | 4°22          | 7°54         | 12°12  | 12°55  | 17°48          | 27°57           | S 22 |
| M23  | 14 241   | 2°28'25           | 14° 0          | 17°34          | 21° 0          | 22°24            | 18°14          | 5°53  | 10°53           | 4°20          | 7°55         | 12° 5  | 12°52  | 17°55          | 27°54           | M23  |
| T 24 | 14 6 38  | 3°26'51           | 25°55          | 17°16          | 20°30          | 23°10            | 18°11          | 5°57  | 10°56           | 4°19          | 7°55         | 11°56  | 12°49  | 18° 2          | 27°50           | T 24 |
| W25  | 14 10 34 | 4°25'15           | 7 <b>≙</b> 48  | 17° 3          | 20° 1          | 23°57            | 18° 7          | 6° 2  | 10°59           | 4°17          | 7°55         | 11°45  | 12°46  | 18° 8          | 27°47           | W25  |
| T 26 | 14 14 31 | 5°23'37           | 19°40          | 16°55          | 19°34          | 24°43            | 18° 3          | 6° 7  | 11° 2           | 4°16          | 7°55         | 11°33  | 12°43  | 18°15          | 27°44           | T 26 |
| F 27 | 14 18 27 | 6°21'58           | 1 <b>M</b> .33 | 16°D51         | 19°10          | 25°29            | 18° 0          | 6°13  | 11° 5           | 4°15          | 7°55         | 11°21  | 12°40  | 18°22          | 27°41           | F 27 |
| S 28 | 14 22 24 | 7°20'16           | 13°30          | 16°53          | 18°47          | 26°16            | 17°57          | 6°18  | 11°8            | 4°13          | 7°55         | 11° 9  | 12°36  | 18°28          | 27°38           | S 28 |
| S 29 | 14 26 20 | 8°18'33           | 25°30          | 17° 0          | 18°27          | 27° 2            | 17°54          | 6°23  | 11°11           | 4°12          | 7°55         | 10°59  | 12°33  | 18°35          | 27°35           | S 29 |
| M30  | 14 30 17 | 9816'48           | 7 <b>.</b> ₹37 | 17 <b>Y</b> 11 | 18 <b>Y</b> 9  | 27 <b>) (</b> 48 | 17 <b>m</b> 51 | 69528 | 11 <b>I</b> I14 | 4 <b>₽</b> 11 | $7\Omega$ 56 | 10952  | 12930  | 18 <b>≏</b> 42 | 27 <b>m</b> 33  | M30  |

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| Day         | Sid.t               | 0                           | D                             | ğ              | φ               | ð              | 4              | ħ            | )f(            | Ħ             | Р             | ß               | ಬ              | ţ              | ę,             | Day         |
|-------------|---------------------|-----------------------------|-------------------------------|----------------|-----------------|----------------|----------------|--------------|----------------|---------------|---------------|-----------------|----------------|----------------|----------------|-------------|
| T 1         | 14 34 14            | 10815'02                    | 19 <b>.7</b> 51               | 17 <b>Y</b> 27 | 17°R53          | 28 <b>)</b> 34 | 17°R49         | 6934         | 11 <b>I</b> I7 | 4°R 9         | 7 <b>N</b> 56 | 10°R47          | 129527         | 18 <b>≏</b> 49 | 27°R30         | T 1         |
| W 2         | 14 38 10            | 11°13'14                    | 2 <b>ප</b> 15                 | 17°48          | 17 <b>Υ</b> 40  | 29°21          | 17 <b>m</b> 46 | 6°39         | 11°20          | 4 <u>요</u> 8  | 7°56          | 109645          | 12°24          | 18°55          | 27 <b>m</b> 27 | W 2         |
| T 3         | 14 42 7             | 12°11'24                    | 14°53                         | 18°13          | 17°30<br>17°22  | 0 <b>Υ</b> 7   | 17°44          | 6°45         | 11°23          | 4° 7<br>4° 6  | 7°57          | 10°D45          | 12°20          | 19° 2          | 27°25          | T 3         |
| F 4<br>S 5  | 14 46 3<br>14 50 0  | 13° 9'33<br>14° 7'41        | 27°46<br>10≈59                | 18°42<br>19°15 | 17°22<br>17°16  | 0°53<br>1°39   | 17°42<br>17°40 | 6°50<br>6°56 | 11°27<br>11°30 | 4° 6<br>4° 5  | 7°57<br>7°57  | 10°46<br>10°R46 | 12°17<br>12°14 | 19° 9<br>19°15 | 27°23<br>27°20 | F 4<br>S 5  |
|             |                     |                             |                               |                |                 |                |                |              |                | -             |               |                 |                |                |                | -           |
| S 6         | 14 53 56            | 15° 5'47                    | 24°35                         | 19°53          | 17°13           | 2°25           | 17°39          | 7° 2         | 11°33          | 4° 3          | 7°58          | 10°46           | 12°11          | 19°22          | 27°18          | S 6         |
| M 7<br>T 8  | 14 57 53<br>15 1 50 | 16° 3'52<br>17° 1'55        | 8 <b></b> ₩36<br>23° 1        | 20°34<br>21°19 | 17°D12<br>17°13 | 3°11<br>3°57   | 17°37<br>17°36 | 7° 8<br>7°13 | 11°36<br>11°40 | 4° 2<br>4° 1  | 7°58<br>7°59  | 10°44<br>10°40  | 12° 8<br>12° 5 | 19°29<br>19°36 | 27°16<br>27°14 | M 7<br>T 8  |
| T 8<br>W 9  | 15 1 50             | 17° 133<br>17°59'57         | $7\mathbf{\Upsilon}47$        | 21°19<br>22° 7 | 17°13           | 4°43           | 17°36<br>17°35 | 7°13         | 11°40<br>11°43 | 4° 1          | 7°59          | 10°40<br>10°34  | 12° 3          | 19°36<br>19°42 | 27°14<br>27°12 | W 9         |
| T 10        | 15 9 43             | 18°57'58                    | 22°49                         | 22°59          | 17°23           | 5°29           | 17°34          | 7°25         | 11°46          | 3°59          | 8° 0          | 10°26           | 11°58          | 19°49          | 27°10          | T 10        |
| F 11        | 15 13 39            | 19°55'57                    | 7 <b>8</b> 57                 | 23°54          | 17°31           | 6°15           | 17°33          | 7°31         | 11°50          | 3°58          | 8° 0          | 10°18           | 11°55          | 19°56          | 27° 9          | F 11        |
| S 12        | 15 17 36            | 20°53'55                    | 23° 2                         | 24°52          | 17°42           | 7° 1           | 17°32          | 7°38         | 11°53          | 3°57          | 8° 1          | 10°11           | 11°52          | 20° 3          | 27° 7          | S 12        |
| S 13        | 15 21 32            | 21°51'51                    | 7 <b>Ⅱ</b> 54                 | 25°53          | 17°54           | 7°47           | 17°32          | 7°44         | 11°56          | 3°56          | 8° 1          | 10° 6           | 11°49          | 20° 9          | 27° 6          | S 13        |
| M14         | 15 25 29            | 22°49'46                    | 22°24                         | 26°57          | 18° 9           | 8°33           | 17°32          | 7°50         | 12° 0          | 3°55          | 8° 2          | 10° 3           | 11°46          | 20°16          | 27° 5          | M14         |
| T 15        | 15 29 25            | 23°47'39                    | 6929                          | 28° 4          | 18°25           | 9°19           | 17°D32         | 7°56         | 12° 3          | 3°54          | 8° 2          | 10°D 1          | 11°42          | 20°23          | 27° 3          | T 15        |
| W16         | 15 33 22            | 24°45'30                    | 20° 7                         | 29°14          | 18°43           | 10° 4          | 17°32          | 8° 3         | 12° 7          | 3°53          | 8° 3          | 10° 2           | 11°39          | 20°29          | 27° 2          | W16         |
| T 17        | 15 37 19            | 25°43'20                    | 3 <b>Ω</b> 17                 | 0826           | 19° 4           | 10°50          | 17°32          | 8° 9         | 12°10          | 3°52          | 8° 4          | 10° 3           | 11°36          | 20°36          | 27° 1          | T 17        |
| F 18        | 15 41 15            | 26°41'07                    | 16° 3                         | 1°41           | 19°26           | 11°36          | 17°32          | 8°16         | 12°13          | 3°51          | 8° 5<br>8° 5  | 10° 4           | 11°33          | 20°43          | 27° 0          | F 18        |
| S 19        | 15 45 12            | 27°38'54                    | 28°30                         | 2°59           | 19°49           | 12°21          | 17°33          | 8°22         | 12°17          | 3°50          |               | 10°R 5          | 11°30          | 20°50          | 27° 0          | S 19        |
| S 20        | 15 49 8             | 28°36'38                    | 10 <b>m</b> 41                | 4°19           | 20°15           | 13° 7          | 17°34          | 8°29         | 12°20          | 3°50          | 8° 6          | 10° 4           | 11°26          | 20°56          | 26°59          | S 20        |
| M21         | 15 53 5             | 29°34'21                    | 22°42                         | 5°42           | 20°41           | 13°52          | 17°35          | 8°35         | 12°24          | 3°49          | 8° 7<br>8° 8  | 10° 1           | 11°23          | 21° 3          | 26°58          | M21         |
| T 22<br>W23 | 15 57 1<br>16 0 58  | 0 <b>П</b> 32'02<br>1°29'42 | 4 <u><b>Ω</b></u> 36<br>16°28 | 7° 7<br>8°34   | 21°10<br>21°40  | 14°38<br>15°23 | 17°36<br>17°38 | 8°42<br>8°49 | 12°27<br>12°31 | 3°48<br>3°47  | 8° 8<br>8° 8  | 9°57<br>9°51    | 11°20<br>11°17 | 21°10<br>21°16 | 26°58<br>26°58 | T 22<br>W23 |
| T 24        | 16 4 54             | 2°27'20                     | 28°20                         | 10° 4          | 21°40<br>22°11  | 16° 9          | 17°39          | 8°55         | 12°34          | 3°47          | 8° 9          | 9°45            | 11°14          | 21°23          | 26°57          | T 24        |
| F 25        | 16 8 51             | 3°24'57                     | 10 <b>M</b> <sub>-</sub> 17   | 11°37          | 22°44           | 16°54          | 17°41          | 9° 2         | 12°38          | 3°46          | 8°10          | 9°38            | 11°11          | 21°30          | 26°D57         | F 25        |
| S 26        | 16 12 47            | 4°22'33                     | 22°19                         | 13°11          | 23°18           | 17°39          | 17°43          | 9° 9         | 12°41          | 3°45          | 8°11          | 9°32            | 11° 7          | 21°37          | 26°57          | S 26        |
| S 27        | 16 16 44            | 5°20'07                     | 4 <b>₹</b> 29                 | 14°48          | 23°53           | 18°25          | 17°45          | 9°16         | 12°45          | 3°45          | 8°12          | 9°27            | 11° 4          | 21°43          | 26°57          | S 27        |
| M28         | 16 20 41            | 6°17'41                     | 16°47                         | 16°28          | 24°30           | 19°10          | 17°47          | 9°23         | 12°48          | 3°44          | 8°13          | 9°23            | 11° 1          | 21°50          | 26°58          | M28         |
| T 29        | 16 24 37            | 7°15'13                     | 29°16                         | 18°10          | 25° 8           | 19°55          | 17°50          | 9°30         | 12°52          | 3°44          | 8°14          | 9°21            | 10°58          | 21°57          | 26°58          | T 29        |
| W30         | 16 28 34            | 8°12'44                     | 11356                         | 19°54          | 25°47           | 20°40          | 17°52          | 9°37         | 12°55          | 3°43          | 8°15          | 9°D21           | 10°55          | 22° 4          | 26°59          | W30         |
| T 31        | 16 32 30            | 9 <b>Ⅱ</b> 10′15            | 24 <b>궁</b> 48                | 21840          | 26 <b>℃</b> 27  | 21 <b>Y</b> 25 | 17 <b>m</b> 55 | 99544        | 12 <b>∏</b> 59 | 3 <b>≏</b> 43 | 8 <b>Ω</b> 16 | 99322           | 10952          | 22 <b>⊈</b> 10 | 26M 59         | T 31        |

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|------|----------|--------------------|-----------------|--------------|----------------|----------------|----------------|--------|-----------------|---------------|---------------|-------|--------|----------------|---------|------|
| F 1  | 16 36 27 | 10 <b>I</b> I 7'44 | 7≈54            | 23829        | 27 <b>Y</b> 8  | 22 <b>Y</b> 10 | 17 <b>m</b> 58 | 9951   | 13 <b>I</b> I 2 | 3°R42         | 8 <b>Ω</b> 17 | 99523 | 109548 | 22 <b>₽</b> 17 | 27 Mg 0 | F 1  |
| S 2  | 16 40 23 | 11° 5'13           | 21°16           | 25°20        | 27°50          | 22°55          | 18° 1          | 9°58   | 13° 6           | 3 <b>≏</b> 42 | 8°18          | 9°25  | 10°45  | 22°24          | 27° 1   | S 2  |
| S 3  | 16 44 20 | 12° 2'40           | 4 <b>)</b> €55  | 27°13        | 28°33          | 23°40          | 18° 5          | 10° 5  | 13° 9           | 3°41          | 8°19          | 9°26  | 10°42  | 22°30          | 27° 2   | S 3  |
| M 4  | 16 48 17 | 13° 0'08           | 18°51           | 29° 9        | 29°17          | 24°25          | 18° 8          | 10°13  | 13°13           | 3°41          | 8°20          | 9°R26 | 10°39  | 22°37          | 27° 3   | M 4  |
| T 5  | 16 52 13 | 13°57'34           | 3 <b>℃</b> 5    | 1 <b>I</b> 7 | 0 <b>8</b> 2   | 25°10          | 18°12          | 10°20  | 13°16           | 3°41          | 8°21          | 9°25  | 10°36  | 22°44          | 27° 4   | T 5  |
| W 6  | 16 56 10 | 14°55'00           | 17°33           | 3° 6         | 0°48           | 25°55          | 18°16          | 10°27  | 13°20           | 3°40          | 8°22          | 9°23  | 10°32  | 22°51          | 27° 5   | W 6  |
| T 7  | 17 0 6   | 15°52'25           | 2 <b>8</b> 13   | 5° 8         | 1°34           | 26°40          | 18°19          | 10°34  | 13°24           | 3°40          | 8°24          | 9°20  | 10°29  | 22°57          | 27° 6   | T 7  |
| F 8  | 17 4 3   | 16°49'50           | 16°58           | 7°12         | 2°22           | 27°24          | 18°24          | 10°42  | 13°27           | 3°40          | 8°25          | 9°17  | 10°26  | 23° 4          | 27° 8   | F 8  |
| S 9  | 17 7 59  | 17°47'14           | 1 <b>Ⅱ</b> 41   | 9°18         | 3°10           | 28° 9          | 18°28          | 10°49  | 13°31           | 3°40          | 8°26          | 9°14  | 10°23  | 23°11          | 27° 9   | S 9  |
| S 10 | 17 11 56 | 18°44'37           | 16°15           | 11°25        | 3°59           | 28°54          | 18°32          | 10°57  | 13°34           | 3°39          | 8°27          | 9°12  | 10°20  | 23°17          | 27°11   | S 10 |
| M11  | 17 15 52 | 19°42'00           | 0ഇ34            | 13°33        | 4°48           | 29°38          | 18°37          | 11° 4  | 13°38           | 3°39          | 8°28          | 9°11  | 10°17  | 23°24          | 27°13   | M11  |
| T 12 | 17 19 49 | 20°39'22           | 14°33           | 15°43        | 5°39           | 0 <b>8</b> 22  | 18°42          | 11°11  | 13°41           | 3°39          | 8°30          | 9°D11 | 10°13  | 23°31          | 27°15   | T 12 |
| W13  | 17 23 46 | 21°36'43           | 28° 9           | 17°54        | 6°29           | 1° 7           | 18°47          | 11°19  | 13°45           | 3°39          | 8°31          | 9°11  | 10°10  | 23°38          | 27°17   | W13  |
| T 14 | 17 27 42 | 22°34'03           | $11\Omega_{21}$ | 20° 5        | 7°21           | 1°51           | 18°52          | 11°26  | 13°48           | 3°39          | 8°32          | 9°13  | 10° 7  | 23°44          | 27°19   | T 14 |
| F 15 | 17 31 39 | 23°31'23           | 24°10           | 22°17        | 8°13           | 2°35           | 18°57          | 11°34  | 13°52           | 3°D39         | 8°33          | 9°14  | 10° 4  | 23°51          | 27°21   | F 15 |
| S 16 | 17 35 35 | 24°28'41           | 6 <b>m</b> 40   | 24°29        | 9° 6           | 3°20           | 19° 2          | 11°42  | 13°55           | 3°39          | 8°35          | 9°15  | 10° 1  | 23°58          | 27°24   | S 16 |
| S 17 | 17 39 32 | 25°25'58           | 18°54           | 26°41        | 9°59           | 4° 4           | 19° 8          | 11°49  | 13°59           | 3°39          | 8°36          | 9°16  | 9°58   | 24° 4          | 27°26   | S 17 |
| M18  | 17 43 28 | 26°23'15           | 0 <b>ჲ</b> 57   | 28°52        | 10°53          | 4°48           | 19°13          | 11°57  | 14° 2           | 3°39          | 8°37          | 9°R16 | 9°54   | 24°11          | 27°29   | M18  |
| T 19 | 17 47 25 | 27°20'31           | 12°52           | 195 3        | 11°47          | 5°32           | 19°19          | 12° 4  | 14° 6           | 3°39          | 8°39          | 9°15  | 9°51   | 24°18          | 27°32   | T 19 |
| W20  | 17 51 21 | 28°17'46           | 24°45           | 3°13         | 12°42          | 6°16           | 19°25          | 12°12  | 14° 9           | 3°40          | 8°40          | 9°14  | 9°48   | 24°25          | 27°34   | W20  |
| T 21 | 17 55 18 | 29°15'01           | 6 <b>M</b> .39  | 5°21         | 13°37          | 7° 0           | 19°31          | 12°20  | 14°13           | 3°40          | 8°42          | 9°13  | 9°45   | 24°31          | 27°37   | T 21 |
| F 22 | 17 59 15 | 09512'14           | 18°39           | 7°29         | 14°33          | 7°43           | 19°37          | 12°27  | 14°16           | 3°40          | 8°43          | 9°12  | 9°42   | 24°38          | 27°40   | F 22 |
| S 23 | 18 3 11  | 1° 9'28            | 0 <b>,₹</b> 47  | 9°35         | 15°29          | 8°27           | 19°44          | 12°35  | 14°20           | 3°40          | 8°45          | 9°10  | 9°38   | 24°45          | 27°43   | S 23 |
| S 24 | 18 7 8   | 2° 6'41            | 13° 7           | 11°39        | 16°26          | 9°11           | 19°50          | 12°43  | 14°23           | 3°40          | 8°46          | 9°10  | 9°35   | 24°52          | 27°47   | S 24 |
| M25  | 18 11 4  | 3° 3'53            | 25°39           | 13°42        | 17°23          | 9°54           | 19°57          | 12°50  | 14°26           | 3°41          | 8°47          | 9° 9  | 9°32   | 24°58          | 27°50   | M25  |
| T 26 | 18 15 1  | 4° 1'05            | 8 <b>궁</b> 25   | 15°42        | 18°21          | 10°38          | 20° 4          | 12°58  | 14°30           | 3°41          | 8°49          | 9°D 9 | 9°29   | 25° 5          | 27°53   | T 26 |
| W27  | 18 18 57 | 4°58'17            | 21°25           | 17°41        | 19°19          | 11°21          | 20°11          | 13° 6  | 14°33           | 3°41          | 8°50          | 9° 9  | 9°26   | 25°12          | 27°57   | W27  |
| T 28 | 18 22 54 | 5°55'29            | 4≈39            | 19°38        | 20°17          | 12° 5          | 20°18          | 13°14  | 14°36           | 3°42          | 8°52          | 9° 9  | 9°23   | 25°18          | 28° 1   | T 28 |
| F 29 | 18 26 50 | 6°52'41            | 18° 7           | 21°33        | 21°16          | 12°48          | 20°25          | 13°21  | 14°40           | 3°42          | 8°53          | 9°10  | 9°19   | 25°25          | 28° 4   | F 29 |
| S 30 | 18 30 47 | 79349'52           | 1 <b>) (</b> 48 | 239226       | 22 <b>8</b> 15 | 13 <b>8</b> 31 | 20 <b>m</b> 32 | 139529 | 14 <b>Ⅱ</b> 43  | 3 <b>≏</b> 43 | 8 <b>N</b> 55 | 99510 | 99316  | 25 <b>≏</b> 32 | 28M) 8  | S 30 |

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JULY 1945 00:00 UT

| Day  | Sid.t    | 0                | D               | ğ             | ·             | ð              | 4              | ħ      | )f(             | ħ             | Р             | ß     | Ω     | ţ              | ę<br>k         | Day  |
|------|----------|------------------|-----------------|---------------|---------------|----------------|----------------|--------|-----------------|---------------|---------------|-------|-------|----------------|----------------|------|
| S 1  | 18 34 44 | 8947'04          | 15 <b>)</b> (41 | 259516        | 23814         | 14 <b>8</b> 15 | 20 <b>m</b> 39 | 13937  | 14∏46           | 3 <b>≏</b> 43 | 8 <b>Ω</b> 57 | 9°R10 | 99513 | 25 <b>₾</b> 39 | 28 <b>m</b> 12 | S 1  |
| M 2  | 18 38 40 | 9°44'16          | 29°43           | 27° 5         | 24°14         | 14°58          | 20°47          | 13°45  | 14°50           | 3°44          | 8°58          | 99510 | 9°10  | 25°45          | 28°16          | M 2  |
| T 3  | 18 42 37 | 10°41'28         | 13 <b>Y</b> 53  | 28°52         | 25°14         | 15°41          | 20°55          | 13°53  | 14°53           | 3°44          | 9° 0          | 9°D10 | 9° 7  | 25°52          | 28°20          | T 3  |
| W 4  | 18 46 33 | 11°38'40         | 28°10           | 0 <b>Ω</b> 36 | 26°15         | 16°24          | 21° 2          | 14° 0  | 14°56           | 3°45          | 9° 1          | 9°10  | 9° 4  | 25°59          | 28°24          | W 4  |
| T 5  | 18 50 30 | 12°35'53         | 12830           | 2°19          | 27°16         | 17° 7          | 21°10          | 14° 8  | 15° 0           | 3°46          | 9° 3          | 9°10  | 9° 0  | 26° 5          | 28°29          | T 5  |
| F 6  | 18 54 26 | 13°33'06         | 26°50           | 3°59          | 28°17         | 17°49          | 21°18          | 14°16  | 15° 3           | 3°46          | 9° 5          | 9°10  | 8°57  | 26°12          | 28°33          | F 6  |
| S 7  | 18 58 23 | 14°30'19         | 11 <b>I</b> I 6 | 5°37          | 29°18         | 18°32          | 21°26          | 14°24  | 15° 6           | 3°47          | 9° 6          | 9°11  | 8°54  | 26°19          | 28°38          | S 7  |
| S 8  | 19 2 19  | 15°27'33         | 25°14           | 7°13          | 0Д20          | 19°15          | 21°35          | 14°31  | 15° 9           | 3°48          | 9°8           | 9°11  | 8°51  | 26°26          | 28°42          | S 8  |
| M 9  | 19 6 16  | 16°24'47         | 99510           | 8°47          | 1°22          | 19°57          | 21°43          | 14°39  | 15°12           | 3°48          | 9° 9          | 9°R11 | 8°48  | 26°32          | 28°47          | M 9  |
| T 10 | 19 10 13 | 17°22'01         | 22°52           | 10°19         | 2°24          | 20°40          | 21°51          | 14°47  | 15°15           | 3°49          | 9°11          | 9°11  | 8°44  | 26°39          | 28°52          | T 10 |
| W11  | 19 14 9  | 18°19'15         | 6 <b>Ω</b> 16   | 11°49         | 3°26          | 21°22          | 22° 0          | 14°55  | 15°19           | 3°50          | 9°13          | 9°11  | 8°41  | 26°46          | 28°57          | W11  |
| T 12 | 19 18 6  | 19°16'30         | 19°21           | 13°16         | 4°29          | 22° 5          | 22° 9          | 15° 3  | 15°22           | 3°51          | 9°14          | 9°10  | 8°38  | 26°52          | 29° 2          | T 12 |
| F 13 | 19 22 2  | 20°13'44         | 2Mm 8           | 14°41         | 5°32          | 22°47          | 22°18          | 15°10  | 15°25           | 3°52          | 9°16          | 9°8   | 8°35  | 26°59          | 29° 7          | F 13 |
| S 14 | 19 25 59 | 21°10'58         | 14°37           | 16° 5         | 6°35          | 23°29          | 22°26          | 15°18  | 15°28           | 3°53          | 9°18          | 9° 7  | 8°32  | 27° 6          | 29°12          | S 14 |
| S 15 | 19 29 55 | 22° 8'13         | 26°52           | 17°25         | 7°39          | 24°11          | 22°35          | 15°26  | 15°31           | 3°54          | 9°19          | 9° 5  | 8°29  | 27°13          | 29°17          | S 15 |
| M16  | 19 33 52 | 23° 5'27         | 8 <b>≏</b> 55   | 18°44         | 8°42          | 24°53          | 22°45          | 15°34  | 15°34           | 3°55          | 9°21          | 9° 4  | 8°25  | 27°19          | 29°22          | M16  |
| T 17 | 19 37 48 | 24° 2'42         | 20°51           | 20° 0         | 9°46          | 25°35          | 22°54          | 15°41  | 15°37           | 3°56          | 9°23          | 9°D 4 | 8°22  | 27°26          | 29°28          | T 17 |
| W18  | 19 41 45 | 24°59'57         | 2 <b>M</b> .44  | 21°14         | 10°50         | 26°17          | 23° 3          | 15°49  | 15°40           | 3°57          | 9°25          | 9° 4  | 8°19  | 27°33          | 29°33          | W18  |
| T 19 | 19 45 42 | 25°57'12         | 14°39           | 22°26         | 11°55         | 26°59          | 23°13          | 15°57  | 15°43           | 3°58          | 9°26          | 9° 5  | 8°16  | 27°39          | 29°39          | T 19 |
| F 20 | 19 49 38 | 26°54'28         | 26°40           | 23°35         | 12°59         | 27°40          | 23°22          | 16° 5  | 15°45           | 3°59          | 9°28          | 9° 6  | 8°13  | 27°46          | 29°44          | F 20 |
| S 21 | 19 53 35 | 27°51'43         | 8 <b>.</b> ₹52  | 24°41         | 14° 4         | 28°22          | 23°32          | 16°12  | 15°48           | 4° 0          | 9°30          | 9° 7  | 8°10  | 27°53          | 29°50          | S 21 |
| S 22 | 19 57 31 | 28°48'59         | 21°18           | 25°44         | 15° 9         | 29° 3          | 23°41          | 16°20  | 15°51           | 4° 1          | 9°31          | 9° 9  | 8° 6  | 28° 0          | 29°56          | S 22 |
| M23  | 20 1 28  | 29°46'16         | 4ਰ 1            | 26°45         | 16°14         | 29°45          | 23°51          | 16°28  | 15°54           | 4° 2          | 9°33          | 9°R 9 | 8° 3  | 28° 6          | 0 <b>♀</b> 2   | M23  |
| T 24 | 20 5 24  | 0 <b>Ω</b> 43'33 | 17° 3           | 27°43         | 17°19         | 0 <b>Ⅲ</b> 26  | 24° 1          | 16°35  | 15°57           | 4° 3          | 9°35          | 9° 9  | 8° 0  | 28°13          | 0° 8           | T 24 |
| W25  | 20 9 21  | 1°40'50          | 0≈25            | 28°38         | 18°25         | 1° 7           | 24°11          | 16°43  | 15°59           | 4° 5          | 9°37          | 9°8   | 7°57  | 28°20          | 0°14           | W25  |
| T 26 | 20 13 18 | 2°38'08          | 14° 4           | 29°30         | 19°30         | 1°48           | 24°21          | 16°51  | 16° 2           | 4° 6          | 9°38          | 9° 6  | 7°54  | 28°26          | 0°20           | T 26 |
| F 27 | 20 17 14 | 3°35'27          | 27°59           | 0 <b>m</b> 18 | 20°36         | 2°29           | 24°31          | 16°58  | 16° 5           | 4° 7          | 9°40          | 9° 3  | 7°50  | 28°33          | 0°26           | F 27 |
| S 28 | 20 21 11 | 4°32'47          | 12 <b>米</b> 6   | 1° 3          | 21°42         | 3°10           | 24°41          | 17° 6  | 16° 7           | 4° 8          | 9°42          | 8°59  | 7°47  | 28°40          | 0°32           | S 28 |
| S 29 | 20 25 7  | 5°30'07          | 26°21           | 1°45          | 22°48         | 3°51           | 24°52          | 17°13  | 16°10           | 4°10          | 9°44          | 8°56  | 7°44  | 28°47          | 0°39           | S 29 |
| M30  | 20 29 4  | 6°27'29          | 10 <b>Y</b> 40  | 2°22          | 23°55         | 4°31           | 25° 2          | 17°21  | 16°12           | 4°11          | 9°46          | 8°53  | 7°41  | 28°53          | 0°45           | M30  |
| T 31 | 20 33 0  | 7 <b>Ω</b> 24'51 | 24 <b>Y</b> 58  | 2 Mp 56       | 25 <b>Ⅱ</b> 1 | 5 <b>Ⅱ</b> 12  | 25 Mp 13       | 179528 | 16 <b>I</b> I15 | 4 <b>₽</b> 12 | 9 <b>Ω</b> 47 | 8951  | 7938  | 29 <b>♀</b> 0  | 0 <b>ჲ</b> 52  | T 31 |

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AUGUST 1945 00:00 UT

| Day  | Sid.t    | $\odot$          | D               | ğ              | φ             | ♂ <sup>™</sup> | 4              | ħ      | )Å(            | <del>,</del>  | Р              | v     | ಭ             | Ç             | , k           | Day  |
|------|----------|------------------|-----------------|----------------|---------------|----------------|----------------|--------|----------------|---------------|----------------|-------|---------------|---------------|---------------|------|
| W 1  | 20 36 57 | 8 <b>Ω</b> 22'15 | 9812            | 3 Mp 26        | 26Ⅱ 8         | 5 <b>Ⅱ</b> 53  | 25 <b>m</b> 23 | 17936  | 16 <b>I</b> I7 | 4 <b>₽</b> 14 | 9 <b>Ω</b> 49  | 8°D51 | 7935          | 29 <b>요</b> 7 | 0 <b>ჲ</b> 58 | W 1  |
| T 2  | 20 40 53 | 9°19'40          | 23°20           | 3°51           | 27°15         | 6°33           | 25°34          | 17°43  | 16°20          | 4°15          | 9°51           | 8951  | 7°31          | 29°13         | 1° 5          | T 2  |
| F 3  | 20 44 50 | 10°17'06         | 7 <b>Ⅱ</b> 21   | 4°12           | 28°22         | 7°13           | 25°44          | 17°51  | 16°22          | 4°17          | 9°53           | 8°53  | 7°28          | 29°20         | 1°11          | F 3  |
| S 4  | 20 48 47 | 11°14'34         | 21°12           | 4°29           | 29°29         | 7°54           | 25°55          | 17°58  | 16°25          | 4°18          | 9°54           | 8°54  | 7°25          | 29°27         | 1°18          | S 4  |
| S 5  | 20 52 43 | 12°12'03         | 4954            | 4°40           | 0937          | 8°34           | 26° 6          | 18° 5  | 16°27          | 4°20          | 9°56           | 8°R55 | 7°22          | 29°34         | 1°25          | S 5  |
| M 6  | 20 56 40 | 13° 9'32         | 18°25           | 4°47           | 1°44          | 9°14           | 26°17          | 18°13  | 16°29          | 4°21          | 9°58           | 8°55  | 7°19          | 29°40         | 1°32          | M 6  |
| T 7  | 21 0 36  | 14° 7'03         | 1 <b>Ω</b> 43   | 4°R48          | 2°52          | 9°54           | 26°28          | 18°20  | 16°32          | 4°23          | 10° 0          | 8°53  | 7°16          | 29°47         | 1°39          | T 7  |
| W 8  | 21 433   | 15° 4'36         | 14°49           | 4°44           | 3°59          | 10°33          | 26°39          | 18°27  | 16°34          | 4°24          | 10° 1          | 8°49  | 7°12          | 29°54         | 1°46          | W 8  |
| T 9  | 21 8 29  | 16° 2'09         | 27°40           | 4°35           | 5° 7          | 11°13          | 26°50          | 18°35  | 16°36          | 4°26          | 10° 3          | 8°44  | 7° 9          | 0 <b>M</b> 0  | 1°53          | T 9  |
| F 10 | 21 12 26 | 16°59'43         | 10 <b>m</b> 18  | 4°20           | 6°15          | 11°52          | 27° 2          | 18°42  | 16°38          | 4°28          | 10° 5          | 8°37  | 7° 6          | 0° 7          | 2° 0          | F 10 |
| S 11 | 21 16 22 | 17°57'18         | 22°41           | 4° 0           | 7°24          | 12°32          | 27°13          | 18°49  | 16°40          | 4°29          | 10° 7          | 8°30  | 7° 3          | 0°14          | 2° 7          | S 11 |
| S 12 | 21 20 19 | 18°54'54         | 4 <b>₽</b> 53   | 3°35           | 8°32          | 13°11          | 27°24          | 18°56  | 16°42          | 4°31          | 10° 8          | 8°24  | 7° 0          | 0°21          | 2°14          | S 12 |
| M13  | 21 24 16 | 19°52'31         | 16°54           | 3° 4           | 9°40          | 13°50          | 27°36          | 19° 3  | 16°44          | 4°33          | 10°10          | 8°18  | 6°56          | 0°27          | 2°22          | M13  |
| T 14 | 21 28 12 | 20°50'09         | 28°49           | 2°29           | 10°49         | 14°30          | 27°47          | 19°10  | 16°46          | 4°34          | 10°12          | 8°14  | 6°53          | 0°34          | 2°29          | T 14 |
| W15  | 21 32 9  | 21°47'48         | 10 <b>ML</b> 40 | 1°49           | 11°57         | 15° 8          | 27°59          | 19°17  | 16°48          | 4°36          | 10°14          | 8°11  | 6°50          | 0°41          | 2°36          | W15  |
| T 16 | 21 36 5  | 22°45'28         | 22°33           | 1° 5           | 13° 6         | 15°47          | 28°10          | 19°24  | 16°50          | 4°38          | 10°15          | 8°D11 | 6°47          | 0°47          | 2°44          | T 16 |
| F 17 | 21 40 2  | 23°43'09         | 4 <b>₹</b> 33   | 0°18           | 14°15         | 16°26          | 28°22          | 19°31  | 16°52          | 4°40          | 10°17          | 8°11  | 6°44          | 0°54          | 2°51          | F 17 |
| S 18 | 21 43 58 | 24°40'52         | 16°45           | 29 <b>Ω</b> 28 | 15°24         | 17° 5          | 28°34          | 19°38  | 16°54          | 4°41          | 10°19          | 8°12  | 6°41          | 1° 1          | 2°59          | S 18 |
| S 19 | 21 47 55 | 25°38'35         | 29°12           | 28°37          | 16°33         | 17°43          | 28°45          | 19°45  | 16°56          | 4°43          | 10°21          | 8°14  | 6°37          | 1° 8          | 3° 7          | S 19 |
| M20  | 21 51 51 | 26°36'20         | 12る 1           | 27°45          | 17°43         | 18°21          | 28°57          | 19°52  | 16°57          | 4°45          | 10°22          | 8°R14 | 6°34          | 1°14          | 3°14          | M20  |
| T 21 | 21 55 48 | 27°34'05         | 25°12           | 26°53          | 18°52         | 19° 0          | 29° 9          | 19°58  | 16°59          | 4°47          | 10°24          | 8°13  | 6°31          | 1°21          | 3°22          | T 21 |
| W22  | 21 59 45 | 28°31'52         | 8 <b>≈</b> 49   | 26° 2          | 20° 2         | 19°38          | 29°21          | 20° 5  | 17° 1          | 4°49          | 10°26          | 8° 9  | 6°28          | 1°28          | 3°30          | W22  |
| T 23 | 22 3 41  | 29°29'40         | 22°49           | 25°14          | 21°11         | 20°16          | 29°33          | 20°12  | 17° 2          | 4°51          | 10°27          | 8° 4  | 6°25          | 1°34          | 3°37          | T 23 |
| F 24 | 22 7 38  | 0 <b>₯</b> 27'30 | 7 <b>∺</b> 9    | 24°29          | 22°21         | 20°54          | 29°45          | 20°18  | 17° 4          | 4°53          | 10°29          | 7°56  | 6°21          | 1°41          | 3°45          | F 24 |
| S 25 | 22 11 34 | 1°25'21          | 21°44           | 23°48          | 23°31         | 21°31          | 29°57          | 20°25  | 17° 5          | 4°54          | 10°31          | 7°48  | 6°18          | 1°48          | 3°53          | S 25 |
| S 26 | 22 15 31 | 2°23'14          | 6 <b>Υ</b> 26   | 23°13          | 24°41         | 22° 9          | 0 <b>₽</b> 9   | 20°31  | 17° 7          | 4°56          | 10°32          | 7°40  | 6°15          | 1°55          | 4° 1          | S 26 |
| M27  | 22 19 27 | 3°21'08          | 21° 8           | 22°43          | 25°51         | 22°46          | 0°21           | 20°38  | 17° 8          | 4°58          | 10°34          | 7°33  | 6°12          | 2° 1          | 4° 9          | M27  |
| T 28 | 22 23 24 | 4°19'04          | 5 <b>8</b> 43   | 22°21          | 27° 1         | 23°24          | 0°33           | 20°44  | 17°10          | 5° 0          | 10°36          | 7°28  | 6° 9          | 2° 8          | 4°17          | T 28 |
| W29  | 22 27 20 | 5°17'02          | 20° 6           | 22° 6          | 28°11         | 24° 1          | 0°46           | 20°51  | 17°11          | 5° 2          | 10°37          | 7°25  | 6° 6          | 2°15          | 4°25          | W29  |
| T 30 | 22 31 17 | 6°15'02          | 4 <b>Ⅱ</b> 13   | 21°D59         | 29°22         | 24°38          | 0°58           | 20°57  | 17°12          | 5° 4          | 10°39          | 7°D24 | 6° 2          | 2°21          | 4°33          | T 30 |
| F 31 | 22 35 13 | 7 <b>m</b> 13'04 | 18耳 5           | 22 <b>N</b> 0  | 0 <b>Ω</b> 32 | 25 <b>Ⅱ</b> 15 | 1 <b>≏</b> 10  | 2199 3 | 17 <b>I</b> I3 | 5 <b>º</b> 6  | 10 <b>Ω</b> 41 | 79524 | 5 <b>9</b> 59 | 2 <b>M</b> 28 | 4 <b>≏</b> 41 | F 31 |

Delta T = 27.32 sec

SEPTEMBER 1945 00:00 UT

| Day  | Sid.t  | 0   | D  | ğ   | φ   | ď  | 4  | ħ  | )∤(  | ¥  | В   | u   | v  | Ç  | ę<br>k   | Day  |
|--|--|---|--|---|---|--|--|--|--|--|---|---|--|--|--|--|
| S 1  | 22 39 10   | 8 <b>m</b> )11'08   | 19541  | 22 <b>N</b> 9   | 1 <b>A</b> 43   | 25 <b>II</b> 52  | 1 <b>≏</b> 23  | 2195 9   | 17 <b>I</b> I14  | 5 <b>₾</b> 8   | 10 <b>Ω</b> 42  | 7°R25   | 5956   | 2 <b>M</b> 35  | 4 <b>≏</b> 49  | S 1  |
| S 2<br>M 3<br>T 4<br>W 5<br>T 6<br>F 7<br>S 8      | 22 43 7<br>22 47 3<br>22 51 0<br>22 54 56<br>22 58 53<br>23 2 49<br>23 6 46        | 9° 9'14<br>10° 7'22<br>11° 5'31<br>12° 3'43<br>13° 1'56<br>14° 0'11<br>14°58'27                             | 15° 3<br>28°12<br>11 <i>Q</i> 8<br>23°54<br>6 <b>m</b> 28<br>18°53<br>1 <b>2</b> 7 | 22°27<br>22°54<br>23°28<br>24°11<br>25° 2<br>26° 0<br>27° 5     | 2°53<br>4° 4<br>5°15<br>6°26<br>7°37<br>8°48<br>10° 0           | 26°28<br>27° 5<br>27°41<br>28°17<br>28°53<br>29°29       | 1°35<br>1°47<br>2° 0<br>2°12<br>2°25<br>2°38<br>2°50 | 21°15<br>21°21<br>21°27<br>21°33<br>21°39<br>21°45<br>21°51          | 17°16<br>17°17<br>17°18<br>17°19<br>17°20<br>17°20<br>17°21  | 5°10<br>5°12<br>5°14<br>5°17<br>5°19<br>5°21<br>5°23 | 10°44<br>10°45<br>10°47<br>10°49<br>10°50<br>10°52<br>10°53 | 7©24<br>7°23<br>7°18<br>7°11<br>7°1<br>6°50<br>6°37   | 5°53<br>5°50<br>5°47<br>5°43<br>5°40<br>5°37<br>5°34 | 2°41<br>2°48<br>2°55<br>3° 2<br>3° 8<br>3°15<br>3°22 | 4°58<br>5° 6<br>5°14<br>5°22<br>5°31<br>5°39<br>5°48 | S 2<br>M 3<br>T 4<br>W 5<br>T 6<br>F 7<br>S 8              |
| S 9<br>M10<br>T 11<br>W12<br>T 13<br>F 14<br>S 15  | 23 10 42<br>23 14 39<br>23 18 36<br>23 22 32<br>23 26 29<br>23 30 25<br>23 34 22   | 15°56'46<br>16°55'06<br>17°53'27<br>18°51'51<br>19°50'16<br>20°48'42<br>21°47'11                            | 13°12<br>25° 9<br>7M. 1<br>18°50<br>0 - 41<br>12°38<br>24°46                       | 28°17<br>29°35<br>0 <b>m</b> 59<br>2°27<br>4° 0<br>5°37<br>7°17 | 11°11<br>12°22<br>13°34<br>14°46<br>15°57<br>17° 9<br>18°21     | 0°40<br>1°15<br>1°51<br>2°26<br>3° 0<br>3°35<br>4° 9     | 3° 3<br>3°16<br>3°28<br>3°41<br>3°54<br>4° 6<br>4°19 | 21°56<br>22° 2<br>22° 7<br>22°13<br>22°18<br>22°24<br>22°29          | 17°22<br>17°23<br>17°23<br>17°24<br>17°24<br>17°25<br>17°25  | 5°25<br>5°27<br>5°29<br>5°31<br>5°34<br>5°36<br>5°38 | 10°55<br>10°56<br>10°58<br>10°59<br>11° 1<br>11° 2<br>11° 3 | 6°25<br>6°14<br>6° 5<br>5°59<br>5°55<br>5°53<br>5°D53 | 5°31<br>5°27<br>5°24<br>5°21<br>5°18<br>5°15<br>5°12 | 3°28<br>3°35<br>3°42<br>3°49<br>3°55<br>4° 2<br>4° 9 | 5°56<br>6° 4<br>6°13<br>6°21<br>6°30<br>6°38<br>6°47 | S 9<br>M10<br>T 11<br>W12<br>T 13<br>F 14<br>S 15          |
| S 16<br>M17<br>T 18<br>W19<br>T 20<br>F 21<br>S 22 | 23 38 18<br>23 42 15<br>23 46 11<br>23 50 8<br>23 54 5<br>23 58 1<br>0 1 58        | 22°45'41<br>23°44'12<br>24°42'45<br>25°41'20<br>26°39'57<br>27°38'35<br>28°37'15                            | 7₹11<br>19°57<br>3≈10<br>16°51<br>1¥ 1<br>15°36<br>0℃31                            | 9° 0<br>10°45<br>12°32<br>14°21<br>16°11<br>18° 1<br>19°52      | 19°33<br>20°45<br>21°57<br>23° 9<br>24°21<br>25°34<br>26°46     | 4°44<br>5°18<br>5°52<br>6°25<br>6°59<br>7°32<br>8° 5     | 4°32<br>4°45<br>4°58<br>5°11<br>5°23<br>5°36<br>5°49 | 22°34<br>22°39<br>22°44<br>22°49<br>22°54<br>22°59<br>23° 3          | 17°26<br>17°26<br>17°27<br>17°27<br>17°27<br>17°27<br>17°27  | 5°40<br>5°42<br>5°44<br>5°47<br>5°49<br>5°51<br>5°53 | 11° 5<br>11° 6<br>11° 8<br>11° 9<br>11°10<br>11°12<br>11°13 | 5°R53<br>5°52<br>5°50<br>5°45<br>5°38<br>5°28<br>5°17 | 5° 8<br>5° 5<br>5° 2<br>4°59<br>4°56<br>4°53<br>4°49 | 4°15<br>4°22<br>4°29<br>4°35<br>4°42<br>4°49<br>4°56 | 6°56<br>7° 4<br>7°13<br>7°22<br>7°30<br>7°39<br>7°48 | S 16<br>M17<br>T 18<br>W19<br>T 20<br>F 21<br>S 22         |
| S 23<br>M24<br>T 25<br>W26<br>T 27<br>F 28<br>S 29 | 0 5 54<br>0 9 51<br>0 13 47<br>0 17 44<br>0 21 40<br>0 25 37<br>0 29 34<br>0 33 30 | 29°35'57<br>0\properties 34'41<br>1°33'28<br>2°32'16<br>3°31'07<br>4°30'00<br>5°28'56<br>6\properties 27'54 | 15°36<br>08'42<br>15°38<br>0II17<br>14°35<br>28°30<br>12© 2<br>25©14               | 21°43<br>23°33<br>25°24<br>27°15<br>29° 5<br>0£54<br>2°43       | 27°59<br>29°11<br>0 <b>m</b> 24<br>1°37<br>2°49<br>4° 2<br>5°15 | 8°38<br>9°11<br>9°44<br>10°16<br>10°48<br>11°20<br>11°52 | 6° 2<br>6°15<br>6°28<br>6°41<br>6°54<br>7° 7<br>7°20 | 23° 8<br>23°12<br>23°17<br>23°21<br>23°25<br>23°29<br>23°34<br>23©38 | 17°R27<br>17°27<br>17°27<br>17°27<br>17°27<br>17°27<br>17°26 | 5°55<br>5°58<br>6°0<br>6°2<br>6°4<br>6°7<br>6°9      | 11°14<br>11°15<br>11°17<br>11°18<br>11°19<br>11°20<br>11°21 | 5° 6<br>4°56<br>4°48<br>4°43<br>4°41<br>4°40<br>4°40  | 4°46<br>4°43<br>4°40<br>4°37<br>4°33<br>4°30<br>4°27 | 5° 2<br>5° 9<br>5°16<br>5°22<br>5°29<br>5°36<br>5°43 | 7°56<br>8°5<br>8°14<br>8°22<br>8°31<br>8°40<br>8°49  | S 23<br>M24<br>T 25<br>W26<br>T 27<br>F 28<br>S 29<br>S 30 |

Delta T = 27.36 sec

OCTOBER 1945 00:00 UT

| Day  | Sid.t   | 0                 | D              | ğ              | φ              | ♂ <sup>™</sup> | 4              | ħ      | )f(            | ¥             | Р               | B     | သ     | Ç              | ę,             | Day  |
|------|---------|-------------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|---------------|-----------------|-------|-------|----------------|----------------|------|
| M 1  | 0 37 27 | 7 <b>≏</b> 26'54  | 8 <b>Ω</b> 10  | 6 <b>₽</b> 18  | 7 <b>m</b> 41  | 12954          | 7 <b>≏</b> 46  | 239941 | 17°R26         | 6 <b>₽</b> 13 | 11 <b>\O</b> 24 | 4°R37 | 4921  | 5 <b>M</b> .56 | 9 <u>හ</u> 6   | M 1  |
| T 2  | 0 41 23 | 8°25'56           | 20°51          | 8° 5           | 8°55           | 13°25          | 7°59           | 23°45  | 17 <b>Ⅲ</b> 25 | 6°16          | 11°25           | 4931  | 4°18  | 6° 3           | 9°15           | T 2  |
| W 3  | 0 45 20 | 9°25'01           | 3 Mp 20        | 9°51           | 10° 8          | 13°56          | 8°12           | 23°49  | 17°25          | 6°18          | 11°26           | 4°23  | 4°14  | 6° 9           | 9°24           | W 3  |
| T 4  | 0 49 16 | 10°24'08          | 15°39          | 11°36          | 11°21          | 14°27          | 8°25           | 23°53  | 17°24          | 6°20          | 11°27           | 4°12  | 4°11  | 6°16           | 9°32           | T 4  |
| F 5  | 0 53 13 | 11°23'17          | 27°51          | 13°20          | 12°34          | 14°57          | 8°38           | 23°56  | 17°24          | 6°22          | 11°28           | 3°59  | 4° 8  | 6°23           | 9°41           | F 5  |
| S 6  | 0 57 9  | 12°22'28          | 9 <b>≙</b> 55  | 15° 3          | 13°48          | 15°27          | 8°51           | 24° 0  | 17°23          | 6°24          | 11°29           | 3°45  | 4° 5  | 6°29           | 9°50           | S 6  |
| S 7  | 1 1 6   | 13°21'41          | 21°52          | 16°46          | 15° 1          | 15°57          | 9° 4           | 24° 3  | 17°22          | 6°27          | 11°30           | 3°30  | 4° 2  | 6°36           | 9°59           | S 7  |
| M 8  | 1 5 2   | 14°20'56          | 3 <b>M</b> .45 | 18°28          | 16°15          | 16°26          | 9°17           | 24° 6  | 17°22          | 6°29          | 11°31           | 3°18  | 3°58  | 6°43           | 10° 7          | M 8  |
| T 9  | 1 8 59  | 15°20'13          | 15°35          | 20° 9          | 17°28          | 16°55          | 9°30           | 24° 9  | 17°21          | 6°31          | 11°32           | 3° 7  | 3°55  | 6°50           | 10°16          | T 9  |
| W10  | 1 12 56 | 16°19'32          | 27°24          | 21°49          | 18°42          | 17°24          | 9°43           | 24°12  | 17°20          | 6°33          | 11°33           | 2°59  | 3°52  | 6°56           | 10°25          | W10  |
| T 11 | 1 16 52 | 17°18'53          | 9 <b>×</b> 14  | 23°28          | 19°56          | 17°53          | 9°56           | 24°15  | 17°19          | 6°36          | 11°34           | 2°54  | 3°49  | 7° 3           | 10°34          | T 11 |
| F 12 | 1 20 49 | 18°18'15          | 21°10          | 25° 7          | 21°10          | 18°21          | 10° 8          | 24°18  | 17°18          | 6°38          | 11°34           | 2°52  | 3°46  | 7°10           | 10°42          | F 12 |
| S 13 | 1 24 45 | 19°17'40          | 3 <b>ට</b> 17  | 26°45          | 22°23          | 18°49          | 10°21          | 24°21  | 17°17          | 6°40          | 11°35           | 2°D51 | 3°43  | 7°16           | 10°51          | S 13 |
| S 14 | 1 28 42 | 20°17'06          | 15°38          | 28°23          | 23°37          | 19°17          | 10°34          | 24°23  | 17°16          | 6°42          | 11°36           | 2°R51 | 3°39  | 7°23           | 11° 0          | S 14 |
| M15  | 1 32 38 | 21°16'34          | 28°20          | 29°59          | 24°51          | 19°44          | 10°47          | 24°26  | 17°15          | 6°44          | 11°37           | 2°51  | 3°36  | 7°30           | 11° 8          | M15  |
| T 16 | 1 36 35 | 22°16'04          | 11≈26          | 1 <b>M</b> .35 | 26° 5          | 20°12          | 11° 0          | 24°28  | 17°14          | 6°46          | 11°38           | 2°50  | 3°33  | 7°36           | 11°17          | T 16 |
| W17  | 1 40 31 | 23°15'36          | 25° 2          | 3°10           | 27°19          | 20°38          | 11°13          | 24°31  | 17°13          | 6°49          | 11°38           | 2°46  | 3°30  | 7°43           | 11°26          | W17  |
| T 18 | 1 44 28 | 24°15'09          | 9 <b>米</b> 7   | 4°45           | 28°33          | 21° 5          | 11°26          | 24°33  | 17°12          | 6°51          | 11°39           | 2°40  | 3°27  | 7°50           | 11°34          | T 18 |
| F 19 | 1 48 25 | 25°14'44          | 23°42          | 6°19           | 29°47          | 21°31          | 11°39          | 24°35  | 17°10          | 6°53          | 11°40           | 2°31  | 3°24  | 7°57           | 11°43          | F 19 |
| S 20 | 1 52 21 | 26°14'21          | 8 <b>Ƴ</b> 41  | 7°52           | 1₾ 1           | 21°57          | 11°51          | 24°37  | 17° 9          | 6°55          | 11°40           | 2°22  | 3°20  | 8° 3           | 11°52          | S 20 |
| S 21 | 1 56 18 | 27°13'59          | 23°56          | 9°25           | 2°16           | 22°22          | 12° 4          | 24°39  | 17° 8          | 6°57          | 11°41           | 2°12  | 3°17  | 8°10           | 12° 0          | S 21 |
| M22  | 2 0 14  | 28°13'40          | 9 <b>8</b> 15  | 10°57          | 3°30           | 22°48          | 12°17          | 24°41  | 17° 6          | 6°59          | 11°42           | 2° 3  | 3°14  | 8°17           | 12° 9          | M22  |
| T 23 | 2 4 11  | 29°13'23          | 24°28          | 12°29          | 4°44           | 23°12          | 12°30          | 24°42  | 17° 5          | 7° 1          | 11°42           | 1°56  | 3°11  | 8°23           | 12°17          | T 23 |
| W24  | 2 8 7   | 0 <b>M</b> .13'08 | 9∏25           | 14° 0          | 5°58           | 23°37          | 12°42          | 24°44  | 17° 3          | 7° 4          | 11°43           | 1°51  | 3° 8  | 8°30           | 12°26          | W24  |
| T 25 | 2 12 4  | 1°12'55           | 23°58          | 15°31          | 7°13           | 24° 1          | 12°55          | 24°45  | 17° 2          | 7° 6          | 11°43           | 1°49  | 3° 4  | 8°37           | 12°34          | T 25 |
| F 26 | 2 16 0  | 2°12'45           | 895 4          | 17° 1          | 8°27           | 24°25          | 13° 8          | 24°47  | 17° 0          | 7° 8          | 11°44           | 1°D49 | 3° 1  | 8°43           | 12°43          | F 26 |
| S 27 | 2 19 57 | 3°12'36           | 21°43          | 18°30          | 9°42           | 24°48          | 13°20          | 24°48  | 16°59          | 7°10          | 11°44           | 1°50  | 2°58  | 8°50           | 12°51          | S 27 |
| S 28 | 2 23 54 | 4°12'30           | 4 <b>Ω</b> 58  | 19°59          | 10°56          | 25°11          | 13°33          | 24°49  | 16°57          | 7°12          | 11°45           | 1°R50 | 2°55  | 8°57           | 13° 0          | S 28 |
| M29  | 2 27 50 | 5°12'26           | 17°50          | 21°27          | 12°11          | 25°34          | 13°45          | 24°50  | 16°55          | 7°14          | 11°45           | 1°50  | 2°52  | 9° 3           | 13° 8          | M29  |
| T 30 | 2 31 47 | 6°12'25           | 0 <b>m</b> 25  | 22°55          | 13°25          | 25°56          | 13°58          | 24°51  | 16°54          | 7°16          | 11°46           | 1°47  | 2°49  | 9°10           | 13°17          | T 30 |
| W31  | 2 35 43 | 7 <b>M</b> 12'25  | 12 <b>m</b> 45 | 24M22          | 14 <b>≏</b> 40 | 269518         | 14 <b>♀</b> 10 | 24952  | 16耳52          | 7 <b>≏</b> 18 | 11 <b>Ω</b> 46  | 19541 | 29545 | 9 <b>™</b> 17  | 13 <b>≏</b> 25 | W31  |

Delta T = 27.40 sec

NOVEMBER 1945 00:00 UT

| Day  | Sid.t   | 0                  | D              | ğ               | φ              | ð            | 4              | ħ      | )∤(            | ¥             | В              | u     | Ω     | Ç              | Q<br>K         | Day  |
|------|---------|--------------------|----------------|-----------------|----------------|--------------|----------------|--------|----------------|---------------|----------------|-------|-------|----------------|----------------|------|
| T 1  | 2 39 40 | 8ML12'27           | 24 Mp 55       | 25 <b>M</b> 48  | 15 <b>≏</b> 55 | 26939        | 14 <b>♀</b> 23 | 24952  | 16°R50         | 7 <b>₽</b> 20 | 11 <b>Ω</b> 46 | 1°R34 | 29542 | 9 <b>m</b> 24  | 13 <b>₾</b> 33 | T 1  |
| F 2  | 2 43 36 | 9°12'32            | 6 <b>₽</b> 56  | 27°14           | 17° 9          | 27° 0        | 14°35          | 24°53  | 16 <b>Ⅱ</b> 48 | 7°22          | 11°47          | 19524 | 2°39  | 9°30           | 13°42          | F 2  |
| S 3  | 2 47 33 | 10°12'38           | 18°52          | 28°39           | 18°24          | 27°20        | 14°47          | 24°53  | 16°46          | 7°24          | 11°47          | 1°14  | 2°36  | 9°37           | 13°50          | S 3  |
| S 4  | 2 51 29 | 11°12'46           | 0 <b>M</b> .45 | 0 <b>∡</b> 3    | 19°39          | 27°40        | 15° 0          | 24°54  | 16°45          | 7°26          | 11°47          | 1° 4  | 2°33  | 9°44           | 13°58          | S 4  |
| M 5  | 2 55 26 | 12°12'57           | 12°35          | 1°27            | 20°54          | 27°59        | 15°12          | 24°54  | 16°43          | 7°28          | 11°48          | 0°54  | 2°30  | 9°50           | 14° 6          | M 5  |
| T 6  | 2 59 23 | 13°13'09           | 24°25          | 2°49            | 22° 8          | 28°19        | 15°24          | 24°54  | 16°41          | 7°30          | 11°48          | 0°47  | 2°26  | 9°57           | 14°14          | T 6  |
| W 7  | 3 3 19  | 14°13'23           | 6 <b>才</b> 17  | 4°11            | 23°23          | 28°37        | 15°36          | 24°R54 | 16°39          | 7°31          | 11°48          | 0°41  | 2°23  | 10° 4          | 14°22          | W 7  |
| T 8  | 3 7 16  | 15°13'38           | 1 <u>8</u> °12 | 5°32            | 24°38          | 28°55        | 15°49          | 24°54  | 16°37          | 7°33          | 11°48          | 0°38  | 2°20  | 10°10          | 14°30          | T 8  |
| F 9  | 3 11 12 | 16°13'55           | 0 <b>궁</b> 12  | 6°52            | 25°53          | 29°13        | 16° 1          | 24°54  | 16°35          | 7°35          | 11°48          | 0°D37 | 2°17  | 10°17          | 14°38          | F 9  |
| S 10 | 3 15 9  | 17°14'14           | 12°23          | 8°10            | 27° 8          | 29°30        | 16°13          | 24°53  | 16°32          | 7°37          | 11°48          | 0°38  | 2°14  | 10°24          | 14°46          | S 10 |
| S 11 | 3 19 5  | 18°14'35           | 24°46          | 9°27            | 28°23          | 29°46        | 16°25          | 24°53  | 16°30          | 7°39          | 11°48          | 0°39  | 2°10  | 10°31          | 14°54          | S 11 |
| M12  | 3 23 2  | 19°14'56           | 7≈27           | 10°43           | 29°38          | $0\Omega$ 2  | 16°37          | 24°52  | 16°28          | 7°41          | 11°48          | 0°41  | 2° 7  | 10°37          | 15° 2          | M12  |
| T 13 | 3 26 58 | 20°15'19           | 20°28          | 11°57           | 0 <b>M</b> 53  | 0°17         | 16°48          | 24°52  | 16°26          | 7°42          | 11°R48         | 0°R41 | 2° 4  | 10°44          | 15°10          | T 13 |
| W14  | 3 30 55 | 21°15'44           | 3 <b>₩</b> 55  | 13° 9           | 2° 8           | 0°32         | 17° 0          | 24°51  | 16°24          | 7°44          | 11°48          | 0°41  | 2° 1  | 10°51          | 15°18          | W14  |
| T 15 | 3 34 52 | 22°16'09           | 17°49          | 14°19           | 3°23           | 0°46         | 17°12          | 24°50  | 16°21          | 7°46          | 11°48          | 0°38  | 1°58  | 10°57          | 15°25          | T 15 |
| F 16 | 3 38 48 | 23°16'36           | 2 <b>Υ</b> 11  | 15°27           | 4°38           | 1° 0         | 17°24          | 24°49  | 16°19          | 7°47          | 11°48          | 0°34  | 1°55  | 11° 4          | 15°33          | F 16 |
| S 17 | 3 42 45 | 24°17'04           | 16°57          | 16°32           | 5°53           | 1°13         | 17°35          | 24°48  | 16°17          | 7°49          | 11°48          | 0°29  | 1°51  | 11°11          | 15°41          | S 17 |
| S 18 | 3 46 41 | 25°17'34           | 2 <b>8</b> 2   | 17°33           | 7° 8           | 1°26         | 17°47          | 24°47  | 16°15          | 7°51          | 11°48          | 0°24  | 1°48  | 11°17          | 15°48          | S 18 |
| M19  | 3 50 38 | 26°18'05           | 17°16          | 18°32           | 8°23           | 1°37         | 17°58          | 24°45  | 16°12          | 7°52          | 11°48          | 0°19  | 1°45  | 11°24          | 15°56          | M19  |
| T 20 | 3 54 34 | 27°18'38           | 2 <b>Ⅱ</b> 30  | 19°26           | 9°38           | 1°49         | 18°10          | 24°44  | 16°10          | 7°54          | 11°48          | 0°15  | 1°42  | 11°31          | 16° 3          | T 20 |
| W21  | 3 58 31 | 28°19'12           | 17°34          | 20°16           | 10°54          | 1°59         | 18°21          | 24°42  | 16° 8          | 7°56          | 11°48          | 0°13  | 1°39  | 11°37          | 16°11          | W21  |
| T 22 | 4 2 27  | 29°19'48           | 29917          | 21° 1           | 12° 9          | 2° 9         | 18°33          | 24°41  | 16° 5          | 7°57          | 11°47          | 0°D12 | 1°36  | 11°44          | 16°18          | T 22 |
| F 23 | 4 6 24  | 0 <b>∡</b> 120'25  | 16°36          | 21°41           | 13°24          | 2°19         | 18°44          | 24°39  | 16° 3          | 7°59          | 11°47          | 0°13  | 1°32  | 11°51          | 16°25          | F 23 |
| S 24 | 4 10 21 | 1°21'04            | 0 <b>Ω</b> 27  | 22°14           | 14°39          | 2°27         | 18°55          | 24°37  | 16° 0          | 8° 0          | 11°47          | 0°14  | 1°29  | 11°58          | 16°33          | S 24 |
| S 25 | 4 14 17 | 2°21'44            | 13°51          | 22°40           | 15°54          | 2°35         | 19° 6          | 24°35  | 15°58          | 8° 2          | 11°46          | 0°16  | 1°26  | 12° 4          | 16°40          | S 25 |
| M26  | 4 18 14 | 3°22'27            | 26°49          | 22°58           | 17°10          | 2°42         | 19°17          | 24°33  | 15°55          | 8° 3          | 11°46          | 0°17  | 1°23  | 12°11          | 16°47          | M26  |
| T 27 | 4 22 10 | 4°23'10            | 9 <b>₥</b> 26  | 23°R 7          | 18°25          | 2°49         | 19°28          | 24°31  | 15°53          | 8° 5          | 11°46          | 0°R17 | 1°20  | 12°18          | 16°54          | T 27 |
| W28  | 4 26 7  | 5°23'56            | 21°45          | 23° 7           | 19°40          | 2°55         | 19°39          | 24°29  | 15°50          | 8° 6          | 11°45          | 0°16  | 1°16  | 12°24          | 17° 1          | W28  |
| T 29 | 4 30 3  | 6°24'42            | 3 <b>≏</b> 52  | 22°57           | 20°56          | 3° 0         | 19°50          | 24°26  | 15°48          | 8° 7          | 11°45          | 0°14  | 1°13  | 12°31          | 17° 8          | T 29 |
| F 30 | 4 34 0  | 7 <b>.₹</b> 125'31 | 15 <b>≏</b> 49 | 22 <b>,7</b> 36 | 22 <b>M</b> 11 | 3 <b>Ω</b> 4 | 20☎ 0          | 249524 | 15 <b>Ⅱ</b> 45 | 8 <b>ʊ</b> 9  | 11 <b>Ω</b> 45 | 0ණ10  | 19910 | 12 <b>M</b> 38 | 17 <b>≏</b> 15 | F 30 |

Delta T = 27.43 sec

DECEMBER 1945 00:00 UT

| Day  | Sid.t   | 0                 | D              | ğ               | φ             | ♂            | 4              | ħ      | )Å(            | #             | В              | r      | Ω               | Ç              | Š              | Day  |
|------|---------|-------------------|----------------|-----------------|---------------|--------------|----------------|--------|----------------|---------------|----------------|--------|-----------------|----------------|----------------|------|
| S 1  | 4 37 56 | 8 <b>×</b> 126'20 | 27 <b>≏</b> 40 | 22°R 4          | 23M26         | 3 <b>N</b> 8 | 20 <b>≏</b> 11 | 24°R21 | 15°R43         | 8 <b>≏</b> 10 | 11°R44         | 0°R 7  | 199 7           | 12 <b>M</b> 44 | 17 <b>≏</b> 21 | S 1  |
| S 2  | 4 41 53 | 9°27'11           | 9 <b>M</b> 30  | 21 <b>~</b> 21  | 24°42         | 3°10         | 20°21          | 249518 | 15 <b>Ⅱ</b> 40 | 8°11          | 11 <b>Ω</b> 44 | 099 3  | 1° 4            | 12°51          | 17°28          | S 2  |
| M 3  | 4 45 50 | 10°28'03          | 21°20          | 20°28           | 25°57         | 3°12         | 20°32          | 24°16  | 15°38          | 8°13          | 11°43          | 29耳59  | 1° 1            | 12°58          | 17°35          | M 3  |
| T 4  | 4 49 46 | 11°28'57          | 3 <b>∡</b> 14  | 19°24           | 27°12         | 3°13         | 20°42          | 24°13  | 15°35          | 8°14          | 11°42          | 29°57  | 0°57            | 13° 4          | 17°41          | T 4  |
| W 5  | 4 53 43 | 12°29'52          | 15°12          | 18°13           | 28°28         | 3°R14        | 20°52          | 24°10  | 15°33          | 8°15          | 11°42          | 29°55  | 0°54            | 13°11          | 17°48          | W 5  |
| T 6  | 4 57 39 | 13°30'48          | 27°16          | 16°55           | 29°43         | 3°13         | 21° 3          | 24° 7  | 15°30          | 8°16          | 11°41          | 29°D55 | 0°51            | 13°18          | 17°54          | T 6  |
| F 7  | 5 1 36  | 14°31'44          | 9 <b>3</b> 29  | 15°33           | 0 <b>才</b> 59 | 3°12         | 21°13          | 24° 4  | 15°28          | 8°17          | 11°41          | 29°55  | 0°48            | 13°24          | 18° 0          | F 7  |
| S 8  | 5 5 32  | 15°32'42          | 21°52          | 14°10           | 2°14          | 3°10         | 21°23          | 24° 0  | 15°25          | 8°19          | 11°40          | 29°56  | 0°45            | 13°31          | 18° 7          | S 8  |
| S 9  | 5 9 29  | 16°33'40          | 4≈27           | 12°49           | 3°29          | 3° 7         | 21°33          | 23°57  | 15°23          | 8°20          | 11°39          | 29°57  | 0°42            | 13°38          | 18°13          | S 9  |
| M10  | 5 13 25 | 17°34'39          | 17°16          | 11°32           | 4°45          | 3° 3         | 21°42          | 23°54  | 15°20          | 8°21          | 11°39          | 29°58  | 0°38            | 13°45          | 18°19          | M10  |
| T 11 | 5 17 22 | 18°35'39          | 0 <b>∺</b> 22  | 10°22           | 6° 0          | 2°59         | 21°52          | 23°50  | 15°17          | 8°22          | 11°38          | 29°59  | 0°35            | 13°51          | 18°25          | T 11 |
| W12  | 5 21 19 | 19°36'39          | 13°47          | 9°20            | 7°16          | 2°53         | 22° 2          | 23°47  | 15°15          | 8°23          | 11°37          | 29°R59 | 0°32            | 13°58          | 18°31          | W12  |
| T 13 | 5 25 15 | 20°37'40          | 27°32          | 8°28            | 8°31          | 2°47         | 22°11          | 23°43  | 15°12          | 8°24          | 11°36          | 29°59  | 0°29            | 14° 5          | 18°37          | T 13 |
| F 14 | 5 29 12 | 21°38'41          | 11 <b>°</b> 37 | 7°48            | 9°46          | 2°40         | 22°20          | 23°39  | 15°10          | 8°25          | 11°36          | 29°59  | 0°26            | 14°11          | 18°42          | F 14 |
| S 15 | 5 33 8  | 22°39'42          | 26° 3          | 7°18            | 11° 2         | 2°32         | 22°30          | 23°35  | 15° 7          | 8°26          | 11°35          | 29°58  | 0°22            | 14°18          | 18°48          | S 15 |
| S 16 | 5 37 5  | 23°40'44          | 10844          | 7° 0            | 12°17         | 2°23         | 22°39          | 23°31  | 15° 5          | 8°26          | 11°34          | 29°58  | 0°19            | 14°25          | 18°54          | S 16 |
| M17  | 5 41 1  | 24°41'47          | 25°37          | 6°D52           | 13°33         | 2°14         | 22°48          | 23°28  | 15° 2          | 8°27          | 11°33          | 29°57  | 0°16            | 14°31          | 18°59          | M17  |
| T 18 | 5 44 58 | 25°42'50          | 10 <b>Ⅲ</b> 33 | 6°54            | 14°48         | 2° 3         | 22°57          | 23°23  | 15° 0          | 8°28          | 11°32          | 29°57  | 0°13            | 14°38          | 19° 5          | T 18 |
| W19  | 5 48 55 | 26°43'53          | 25°25          | 7° 6            | 16° 4         | 1°52         | 23° 5          | 23°19  | 14°57          | 8°29          | 11°31          | 29°D56 | 0°10            | 14°45          | 19°10          | W19  |
| T 20 | 5 52 51 | 27°44'57          | 1095 5         | 7°26            | 17°19         | 1°40         | 23°14          | 23°15  | 14°55          | 8°30          | 11°30          | 29°56  | 0° 7            | 14°51          | 19°15          | T 20 |
| F 21 | 5 56 48 | 28°46'02          | 24°25          | 7°55            | 18°35         | 1°27         | 23°23          | 23°11  | 14°52          | 8°30          | 11°29          | 29°57  | 0° 3            | 14°58          | 19°20          | F 21 |
| S 22 | 6 0 44  | 29°47'07          | 8 <b>Ω</b> 23  | 8°30            | 19°50         | 1°13         | 23°31          | 23° 7  | 14°50          | 8°31          | 11°29          | 29°R57 | 0° 0            | 15° 5          | 19°25          | S 22 |
| S 23 | 6 441   | 0 <b>ප්</b> 48'13 | 21°55          | 9°11            | 21° 6         | 0°59         | 23°39          | 23° 2  | 14°48          | 8°32          | 11°28          | 29°57  | 29 <b>II</b> 57 | 15°11          | 19°30          | S 23 |
| M24  | 6 8 3 7 | 1°49'20           | 5 <b>m</b> ) 1 | 9°58            | 22°21         | 0°44         | 23°48          | 22°58  | 14°45          | 8°32          | 11°27          | 29°56  | 29°54           | 15°18          | 19°35          | M24  |
| T 25 | 6 12 34 | 2°50'27           | 17°44          | 10°50           | 23°36         | 0°28         | 23°56          | 22°54  | 14°43          | 8°33          | 11°26          | 29°56  | 29°51           | 15°25          | 19°40          | T 25 |
| W26  | 6 16 30 | 3°51'34           | 0 <b>호</b> 8   | 11°46           | 24°52         | 0°11         | 24° 4          | 22°49  | 14°40          | 8°33          | 11°24          | 29°D56 | 29°48           | 15°32          | 19°44          | W26  |
| T 27 | 6 20 27 | 4°52'43           | 12°16          | 12°46           | 26° 7         | 29953        | 24°11          | 22°44  | 14°38          | 8°34          | 11°23          | 29°56  | 29°44           | 15°38          | 19°49          | T 27 |
| F 28 | 6 24 24 | 5°53'51           | 24°13          | 13°49           | 27°23         | 29°35        | 24°19          | 22°40  | 14°36          | 8°34          | 11°22          | 29°56  | 29°41           | 15°45          | 19°53          | F 28 |
| S 29 | 6 28 20 | 6°55'01           | 6M 3           | 14°56           | 28°38         | 29°17        | 24°27          | 22°35  | 14°33          | 8°35          | 11°21          | 29°57  | 29°38           | 15°52          | 19°58          | S 29 |
| S 30 | 6 32 17 | 7°56'10           | 17°53          | 16° 5           | 29°54         | 28°57        | 24°34          | 22°31  | 14°31          | 8°35          | 11°20          | 29°58  | 29°35           | 15°58          | 20° 2          | S 30 |
| M31  | 6 36 13 | 8 <b>ප්</b> 57'20 | 29 <b>M</b> 44 | 17 <b>,7</b> 16 | 1る 9          | 28937        | 24 <b>≏</b> 41 | 22926  | 14∏29          | 8 <b>₾</b> 35 | 11 <b>Ω</b> 19 | 29耳59  | 29耳32           | 16M 5          | 20 <b>♀</b> 6  | M31  |

Delta T = 27.47 sec

JANUARY 1946 00:00 UT

| Day  | Sid.t  | 0  | D  | ğ  | φ   | ♂ <sup>™</sup>  | 4   | ħ   | )f(  | 卉  | Р   | ß   | v   | Ç   | ę,  | Day  |
|--|--|--|--|--|---|---|---|---|--|--|---|---|---|---|---|--|
| T 1  | 6 40 10  | 9る58'31  | 11 <b>尽</b> 41   | 18 <b>₹</b> 30   | 2 <b>3</b> 25   | 28°R17  | 24 <u>0</u> 49  | 22°R21  | 14°R27   | 8 <u>0</u> 36  | 11°R18  | 29 <b>II</b> 59   | 29II28  | 16M12   | 20 <u>2</u> 10  | T 1  |
| W 2  | 6 44 6   | 10°59'41   | 23°47  | 19°45  | 3°40  | 27©55   | 24°56   | 22©16   | 14¶24  | 8°36   | 11 <b>Q</b> 17  | 0 <b>©</b> 0  | 29°25   | 16°18   | 20°14   | W 2  |
| T 3  | 6 48 3   | 12° 0'52   | 6 <b>♂</b> 4   | 21° 2  | 4°56  | 27°34   | 25° 2   | 22°12   | 14°22  | 8°36   | 11°16   | 0°R 0   | 29°22   | 16°25   | 20°18   | T 3  |
| F 4  | 6 51 59  | 13° 2'03   | 18°34  | 22°20  | 6°11  | 27°12   | 25° 9   | 22° 7   | 14°20  | 8°37   | 11°14   | 29 <b>II</b> 59   | 29°19   | 16°32   | 20°22   | F 4  |
| S 5  | 6 55 56  | 14° 3'14   | 1≈16   | 23°40  | 7°27  | 26°49   | 25°16   | 22° 2   | 14°18  | 8°37   | 11°13   | 29°58   | 29°16   | 16°38   | 20°25   | S 5  |
| S 6<br>M 7<br>T 8<br>W 9<br>T 10<br>F 11<br>S 12   | 6 59 53<br>7 3 49<br>7 7 46<br>7 11 42<br>7 15 39<br>7 19 35<br>7 23 32  | 14 314<br>15° 4'24<br>16° 5'35<br>17° 6'44<br>18° 7'54<br>19° 9'02<br>20°10'11<br>21°11'18 | 14°12<br>27°21<br>10€44<br>24°19<br>8°7 7<br>22° 6<br>6♂16 | 25° 1<br>26°23<br>27°46<br>29°10<br>0\overline{3}5<br>2° 0<br>3°27 | 8°42<br>9°58<br>11°13<br>12°29<br>13°44<br>15° 0<br>16°15   | 26°27<br>26°3<br>25°40<br>25°16<br>24°53<br>24°29<br>24°5   | 25°22<br>25°28<br>25°34<br>25°40<br>25°46<br>25°52<br>25°57 | 21°57<br>21°52<br>21°47<br>21°42<br>21°37<br>21°32<br>21°27 | 14 16<br>14°16<br>14°14<br>14°12<br>14°10<br>14° 8<br>14° 6<br>14° 4 | 8°37<br>8°37<br>8°37<br>8°37<br>8°37<br>8°37<br>8°37 | 11°12<br>11°11<br>11° 9<br>11° 8<br>11° 7<br>11° 6<br>11° 4 | 29°56<br>29°54<br>29°51<br>29°49<br>29°48<br>29°D48<br>29°48  | 29°13<br>29° 9<br>29° 6<br>29° 3<br>29° 0<br>28°57<br>28°54 | 16°45<br>16°52<br>16°58<br>17° 5<br>17°12<br>17°18          | 20°29<br>20°32<br>20°35<br>20°38<br>20°42<br>20°44<br>20°47 | S 6<br>M 7<br>T 8<br>W 9<br>T 10<br>F 11<br>S 12   |
| S 13<br>M14<br>T 15<br>W16<br>T 17<br>F 18<br>S 19 | 7 27 28<br>7 31 25<br>7 35 22<br>7 39 18<br>7 43 15<br>7 47 11<br>7 51 8 | 22°12'25<br>23°13'32<br>24°14'38<br>25°15'43<br>26°16'47<br>27°17'51<br>28°18'55           | 20°34<br>4¶59<br>19°27<br>3©53<br>18°11<br>2¶18<br>16° 8   | 4°54<br>6°22<br>7°50<br>9°19<br>10°49<br>12°19<br>13°49            | 17°31<br>18°46<br>20° 2<br>21°17<br>22°32<br>23°48<br>25° 3 | 23°41<br>23°17<br>22°53<br>22°29<br>22° 5<br>21°42<br>21°18 | 26° 3<br>26° 8<br>26°13<br>26°18<br>26°22<br>26°27<br>26°31 | 21°22<br>21°17<br>21°12<br>21° 8<br>21° 3<br>20°58<br>20°53 | 14° 2<br>14° 0<br>13°58<br>13°57<br>13°55<br>13°53<br>13°52          | 8°37<br>8°37<br>8°37<br>8°37<br>8°36<br>8°36         | 11° 3<br>11° 2<br>11° 0<br>10°59<br>10°58<br>10°56<br>10°55 | 29°50<br>29°51<br>29°52<br>29°852<br>29°852<br>29°49<br>29°45 | 28°50<br>28°47<br>28°44<br>28°41<br>28°38<br>28°34<br>28°31 | 17°32<br>17°38<br>17°45<br>17°52<br>17°59<br>18° 5<br>18°12 | 20°50<br>20°53<br>20°55<br>20°57<br>21° 0<br>21° 2<br>21° 4 | S 13<br>M14<br>T 15<br>W16<br>T 17<br>F 18<br>S 19 |
| S 20   | 7 55 4   | 29°19'58   | 29°38  | 15°21  | 26°19   | 20°55   | 26°35   | 20°48   | 13°50  | 8°36   | 10°54   | 29°40   | 28°28   | 18°19   | 21° 6   | S 20   |
| M21  | 7 59 1   | 0≈21'00  | 12¶46  | 16°53  | 27°34   | 20°33   | 26°39   | 20°43   | 13°49  | 8°35   | 10°52   | 29°35   | 28°25   | 18°25   | 21° 7   | M21  |
| T 22   | 8 2 57   | 1°22'02  | 25°33  | 18°25  | 28°49   | 20°11   | 26°43   | 20°38   | 13°47  | 8°35   | 10°51   | 29°30   | 28°22   | 18°32   | 21° 9   | T 22   |
| W23  | 8 6 54   | 2°23'03  | 8₽0  | 19°58  | 0≈ 5  | 19°49   | 26°47   | 20°33   | 13°46  | 8°34   | 10°50   | 29°26   | 28°19   | 18°39   | 21°11   | W23  |
| T 24   | 8 10 51  | 3°24'04  | 20°10  | 21°32  | 1°20  | 19°27   | 26°50   | 20°29   | 13°44  | 8°34   | 10°48   | 29°24   | 28°15   | 18°45   | 21°12   | T 24   |
| F 25   | 8 14 47  | 4°25'04  | 2¶9  | 23° 7  | 2°36  | 19° 7   | 26°54   | 20°24   | 13°43  | 8°33   | 10°47   | 29°D23  | 28°12   | 18°52   | 21°13   | F 25   |
| S 26   | 8 18 44  | 5°26'04  | 14°1   | 24°41  | 3°51  | 18°46   | 26°57   | 20°19   | 13°41  | 8°33   | 10°45   | 29°23   | 28° 9   | 18°59   | 21°15   | S 26   |
| S 27   | 8 22 40  | 6°27'03  | 25°50  | 26°17  | 5° 6  | 18°26   | 27° 0   | 20°15   | 13°40  | 8°32   | 10°44   | 29°24   | 28° 6   | 19° 5   | 21°16   | S 27   |
| M28  | 8 26 37  | 7°28'02  | 7⊀42   | 27°53  | 6°22  | 18° 7   | 27° 3   | 20°10   | 13°39  | 8°32   | 10°43   | 29°26   | 28° 3   | 19°12   | 21°17   | M28  |
| T 29   | 8 30 33  | 8°29'00  | 19°42  | 29°30  | 7°37  | 17°48   | 27° 5   | 20°5  | 13°38  | 8°31   | 10°41   | 29°28   | 27°59   | 19°19   | 21°17   | T 29   |
| W30  | 8 34 30  | 9°29'57  | 1♂54   | 1≈ 8   | 8°52  | 17°30   | 27° 8   | 20°1  | 13°37  | 8°31   | 10°40   | 29°R28  | 27°56   | 19°25   | 21°18   | W30  |
| T 31   | 8 38 26  | 10≈30'53   | 14♂21  | 2≈46   | 10≈ 8   | 17©13   | 27 <u>•</u> 10  | 19©56   | 13∏36  | 8 <b>•</b> 30  | 10 <b>Ω</b> 38  | 29¶27   | 27 <b>II</b> 53   | 19 <b>M</b> .32   | 21 <b>2</b> 19  | T 31   |

Delta T = 27.50 sec

FEBRUARY 1946 00:00 UT

| Day  | Sid.t    | 0                  | 9              | φ                | φ              | o <sup>7</sup> | 4              | ħ      | 'n             | ¥             | 2             | ß              | Ω     | ţ               | Š              | Day  |
|------|----------|--------------------|----------------|------------------|----------------|----------------|----------------|--------|----------------|---------------|---------------|----------------|-------|-----------------|----------------|------|
| F 1  | 8 42 23  | 11≈31'49           | 27る 6          | 4≈25             | 11≈23          | 16°R56         | 27 <b>⊆</b> 12 | 19°R52 | 13°R35         | 8°R29         | 10°R37        | 29°R24         | 27耳50 | 19 <b>M</b> .39 | 21 <b>≏</b> 19 | F 1  |
| S 2  | 8 46 20  | 12°32'43           | 10≈ 9          | 6° 4             | 12°39          | 169541         | 27°14          | 199548 | 13 <b>耳</b> 34 | 8 <b>≏</b> 28 | 10₽36         | 29耳18          | 27°47 | 19°45           | 21°20          | S 2  |
| S 3  | 8 50 16  | 13°33'37           | 23°29          | 7°45             | 13°54          | 16°25          | 27°15          | 19°43  | 13°33          | 8°28          | 10°34         | 29°11          | 27°44 | 19°52           | 21°20          | S 3  |
| M 4  | 8 54 13  | 14°34'29           | 7 <b>)</b> € 6 | 9°26             | 15° 9          | 16°11          | 27°17          | 19°39  | 13°32          | 8°27          | 10°33         | 29° 3          | 27°40 | 19°59           | 21°R20         | M 4  |
| T 5  | 8 58 9   | 15°35'20           | 20°55          | 11° 8            | 16°24          | 15°57          | 27°18          | 19°35  | 13°31          | 8°26          | 10°31         | 28°55          | 27°37 | 20° 5           | 21°20          | T 5  |
| W 6  | 9 2 6    | 16°36'09           | <b>4</b> Υ53   | 12°50            | 17°40          | 15°44          | 27°19          | 19°31  | 13°30          | 8°25          | 10°30         | 28°48          | 27°34 | 20°12           | 21°20          | W 6  |
| T 7  | 9 6 2    | 17°36'57           | 18°57          | 14°34            | 18°55          | 15°32          | 27°20          | 19°27  | 13°29          | 8°24          | 10°29         | 28°43          | 27°31 | 20°19           | 21°19          | T 7  |
| F 8  | 9 9 59   | 18°37'44           | 3 <b>8</b> 5   | 16°18            | 20°10          | 15°21          | 27°21          | 19°23  | 13°29          | 8°23          | 10°27         | 28°40          | 27°28 | 20°25           | 21°19          | F 8  |
| S 9  | 9 13 55  | 19°38'29           | 17°12          | 18° 3            | 21°26          | 15°11          | 27°21          | 19°19  | 13°28          | 8°23          | 10°26         | 28°D38         | 27°25 | 20°32           | 21°19          | S 9  |
| S 10 | 9 17 52  | 20°39'12           | 1 <b>П</b> 19  | 19°48            | 22°41          | 15° 1          | 27°22          | 19°15  | 13°27          | 8°22          | 10°24         | 28°39          | 27°21 | 20°39           | 21°18          | S 10 |
| M11  | 9 21 49  | 21°39'54           | 15°24          | 21°35            | 23°56          | 14°52          | 27°R22         | 19°11  | 13°27          | 8°21          | 10°23         | 28°40          | 27°18 | 20°45           | 21°17          | M11  |
| T 12 | 9 25 45  | 22°40'34           | 29°26          | 23°22            | 25°11          | 14°44          | 27°22          | 19° 7  | 13°26          | 8°20          | 10°22         | 28°R40         | 27°15 | 20°52           | 21°16          | T 12 |
| W13  | 9 29 42  | 23°41'13           | 139523         | 25°10            | 26°26          | 14°37          | 27°22          | 19° 4  | 13°26          | 8°18          | 10°20         | 28°39          | 27°12 | 20°59           | 21°15          | W13  |
| T 14 | 9 33 38  | 24°41'50           | 27°14          | 26°59            | 27°42          | 14°30          | 27°21          | 19° 0  | 13°26          | 8°17          | 10°19         | 28°36          | 27° 9 | 21° 5           | 21°14          | T 14 |
| F 15 | 9 37 35  | 25°42'25           | 10 <b>Ω</b> 55 | 28°48            | 28°57          | 14°24          | 27°21          | 18°57  | 13°25          | 8°16          | 10°18         | 28°30          | 27° 5 | 21°12           | 21°13          | F 15 |
| S 16 | 9 41 31  | 26°42'59           | 24°25          | 0 <b>∺</b> 38    | 0 <b>∺</b> 12  | 14°20          | 27°20          | 18°53  | 13°25          | 8°15          | 10°16         | 28°22          | 27° 2 | 21°19           | 21°12          | S 16 |
| S 17 | 9 45 28  | 27°43'31           | 7 <b>m</b> )41 | 2°29             | 1°27           | 14°15          | 27°19          | 18°50  | 13°25          | 8°14          | 10°15         | 28°11          | 26°59 | 21°25           | 21°10          | S 17 |
| M18  | 9 49 24  | 28°44'02           | 20°40          | 4°20             | 2°42           | 14°12          | 27°18          | 18°47  | 13°25          | 8°13          | 10°14         | 28° 0          | 26°56 | 21°32           | 21° 9          | M18  |
| T 19 | 9 53 21  | 29°44'31           | 3 <b>≏</b> 21  | 6°12             | 3°57           | 14°10          | 27°16          | 18°44  | 13°25          | 8°12          | 10°12         | 27°49          | 26°53 | 21°39           | 21° 7          | T 19 |
| W20  | 9 57 18  | 0 <b>) (</b> 44'59 | 15°47          | 8° 3             | 5°12           | 14° 8          | 27°15          | 18°41  | 13°25          | 8°10          | 10°11         | 27°39          | 26°50 | 21°45           | 21° 6          | W20  |
| T 21 | 10 1 14  | 1°45'26            | 27°57          | 9°56             | 6°27           | 14° 7          | 27°13          | 18°38  | 13°D25         | 8° 9          | 10°10         | 27°32          | 26°46 | 21°52           | 21° 4          | T 21 |
| F 22 | 10 5 11  | 2°45'51            | 9M56           | 11°48            | 7°43           | 14°D 6         | 27°11          | 18°35  | 13°25          | 8° 8          | 10° 8         | 27°27          | 26°43 | 21°59           | 21° 2          | F 22 |
| S 23 | 10 9 7   | 3°46'15            | 21°47          | 13°39            | 8°58           | 14° 7          | 27° 9          | 18°32  | 13°25          | 8° 7          | 10° 7         | 27°24          | 26°40 | 22° 5           | 21° 0          | S 23 |
| S 24 | 10 13 4  | 4°46'37            | 3 <b>₹</b> 36  | 15°31            | 10°13          | 14° 8          | 27° 7          | 18°29  | 13°25          | 8° 5          | 10° 6         | 27°D23         | 26°37 | 22°12           | 20°58          | S 24 |
| M25  | 10 17 0  | 5°46'58            | 15°28          | 17°22            | 11°28          | 14°10          | 27° 4          | 18°27  | 13°25          | 8° 4          | 10° 5         | 27°23          | 26°34 | 22°19           | 20°55          | M25  |
| T 26 | 10 20 57 | 6°47'18            | 2 <u>7</u> °28 | 19°11            | 12°43          | 14°13          | 27° 2          | 18°24  | 13°25          | 8° 3          | 10° 3         | 27°R24         | 26°31 | 22°25           | 20°53          | T 26 |
| W27  | 10 24 53 | 7°47'36            | 9 <b>ප්</b> 41 | 20°59            | 13°58          | 14°16          | 26°59          | 18°22  | 13°26          | 8° 1          | 10° 2         | 27°23          | 26°27 | 22°32           | 20°50          | W27  |
| T 28 | 10 28 50 | 8 <b>) (</b> 47'53 | 22 <b>る</b> 13 | 22 <b>) (</b> 46 | 15 <b>米</b> 13 | 149520         | 26 <b>≏</b> 56 | 189520 | 13 <b>Ⅱ</b> 26 | 8 <b>亞</b> 0  | 10 <b>N</b> 1 | 27 <b>Ⅱ</b> 20 | 26∏24 | 22 <b>M</b> 39  | 20 <u>₽</u> 48 | T 28 |

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| Day          | Sid.t                | 0                           | D                     | ğ               | Ŷ              | ♂              | 4              | ħ              | )Å(             | 卉             | Р             | ß              | v              | Ç              | , k            | Day          |
|--------------|----------------------|-----------------------------|-----------------------|-----------------|----------------|----------------|----------------|----------------|-----------------|---------------|---------------|----------------|----------------|----------------|----------------|--------------|
| F 1          | 10 32 47             | 9 <b>)</b> 48'08            | 5≈ 7                  | 24 <b>)</b> (30 | 16 <b>∺</b> 28 | 149525         | 26°R53         | 18°R18         | 13 <b>Ⅱ</b> 27  | 7°R59         | 10°R 0        | 27°R15         | 26Ⅲ21          | 22M45          | 20°R45         | F 1          |
| S 2          | 10 36 43             | 10°48'22                    | 18°24                 | 26°12           | 17°43          | 14°30          | 26 <b>≏</b> 49 | 189516         | 13°27           | 7 <b>≏</b> 57 | 9 <b>N</b> 59 | 27 <b>II</b> 7 | 26°18          | 22°52          | 20 <b>≏</b> 42 | S 2          |
| S 3          | 10 40 40             | 11°48'33                    | 2 <b>∺</b> 4          | 27°50           | 18°57          | 14°36          | 26°46          | 18°14          | 13°28           | 7°56          | 9°57          | 26°57          | 26°15          | 22°59          | 20°40          | S 3          |
| M 4          | 10 44 36             | 12°48'43                    | 16° 5                 | 29°24           | 20°12          | 14°43          | 26°42          | 18°12          | 13°28           | 7°54          | 9°56          | 26°45          | 26°11          | 23° 5          | 20°37          | M 4          |
| T 5          | 10 48 33             | 13°48'51                    | 0Y22                  | 0 <b>Υ</b> 54   | 21°27          | 14°50          | 26°38          | 18°10          | 13°29           | 7°53          | 9°55          | 26°33          | 26° 8          | 23°12          | 20°34          | T 5          |
| W 6          | 10 52 29             | 14°48'58                    | 14°49                 | 2°19            | 22°42          | 14°58          | 26°34          | 18° 8          | 13°29           | 7°51          | 9°54          | 26°22          | 26° 5          | 23°19          | 20°30          | W 6          |
| T 7          | 10 56 26             | 15°49'02                    | 29°19                 | 3°39            | 23°57          | 15° 7          | 26°30          | 18° 7          | 13°30           | 7°50          | 9°53          | 26°13          | 26° 2          | 23°25          | 20°27          | T 7          |
| F 8          | 11 0 22              | 16°49'04                    | 13 <b>8</b> 46        | 4°52            | 25°12          | 15°16          | 26°26          | 18° 5          | 13°31           | 7°48          | 9°52          | 26° 7          | 25°59          | 23°32          | 20°24          | F 8          |
| S 9          | 11 4 19              | 17°49'04                    | 28° 6                 | 5°59            | 26°27          | 15°25          | 26°21          | 18° 4          | 13°32           | 7°47          | 9°51          | 26° 4          | 25°56          | 23°39          | 20°21          | S 9          |
| S 10         | 11 8 16              | 18°49'02                    | 12∐16                 | 6°59            | 27°41          | 15°36          | 26°16          | 18° 3          | 13°33           | 7°45          | 9°50          | 26° 3          | 25°52          | 23°45          | 20°17          | S 10         |
| M11          | 11 12 12             | 19°48'57                    | 26°16                 | 7°52            | 28°56          | 15°47          | 26°12          | 18° 2          | 13°34           | 7°44          | 9°49          | 26° 3          | 25°49          | 23°52          | 20°13          | M11          |
| T 12         | 11 16 9              | 20°48'51                    | 1095 4                | 8°36            | 0 <b>Υ</b> 11  | 15°58          | 26° 7          | 18° 1          | 13°35           | 7°42          | 9°48          | 26° 3          | 25°46          | 23°59          | 20°10          | T 12         |
| W13          | 11 20 5              | 21°48'42                    | 23°41                 | 9°12            | 1°26           | 16°10          | 26° 1          | 18° 0          | 13°36           | 7°41          | 9°47          | 26° 1          | 25°43          | 24° 5          | 20° 6          | W13          |
| T 14         | 11 24 2              | 22°48'31                    | 7 <b>Ω</b> 8          | 9°40            | 2°40           | 16°23          | 25°56          | 17°59          | 13°37           | 7°39          | 9°46          | 25°56          | 25°40          | 24°12          | 20° 2          | T 14         |
| F 15         | 11 27 58             | 23°48'18                    | 20°25                 | 10° 0           | 3°55           | 16°36          | 25°51          | 17°59          | 13°38           | 7°37          | 9°45          | 25°48          | 25°37          | 24°19          | 19°59          | F 15         |
| S 16         | 11 31 55             | 24°48'02                    | 3 <b>m</b> 31         | 10°11           | 5° 9           | 16°49          | 25°45          | 17°58          | 13°39           | 7°36          | 9°44          | 25°38          | 25°33          | 24°25          | 19°55          | S 16         |
| S 17         | 11 35 51             | 25°47'45                    | 16°25                 | 10°R13          | 6°24           | 17° 3          | 25°39          | 17°58          | 13°41           | 7°34          | 9°43          | 25°25          | 25°30          | 24°32          | 19°51          | S 17         |
| M18          | 11 39 48             | 26°47'25                    | 29° 7                 | 10° 7           | 7°39           | 17°18          | 25°33          | 17°57          | 13°42           | 7°33          | 9°42          | 25°11          | 25°27          | 24°39          | 19°47          | M18          |
| T 19         | 11 43 45             | 27°47'03                    | 11 <b>≏</b> 37        | 9°54            | 8°53           | 17°33          | 25°28          | 17°57          | 13°43           | 7°31          | 9°41          | 24°58          | 25°24          | 24°45          | 19°43          | T 19         |
| W20          | 11 47 41             | 28°46'40                    | 23°54                 | 9°32            | 10° 8          | 17°48          | 25°21          | 17°D57         | 13°45           | 7°29          | 9°40          | 24°45          | 25°21          | 24°52          | 19°38          | W20          |
| T 21         | 11 51 38             | 29°46'15                    | 5 <b>M</b> .59        | 9° 4            | 11°22          | 18° 4          | 25°15          | 17°57          | 13°46           | 7°28          | 9°40          | 24°35          | 25°17          | 24°59          | 19°34          | T 21         |
| F 22<br>S 23 | 11 55 34<br>11 59 31 | 0 <b>°</b> 45'47<br>1°45'18 | 17°55<br>29°45        | 8°29<br>7°49    | 12°37<br>13°51 | 18°20<br>18°37 | 25° 9<br>25° 2 | 17°57<br>17°57 | 13°48<br>13°49  | 7°26<br>7°25  | 9°39<br>9°38  | 24°28<br>24°23 | 25°14<br>25°11 | 25° 5<br>25°12 | 19°30<br>19°26 | F 22<br>S 23 |
|              |                      |                             |                       |                 |                |                | _              |                |                 |               |               |                |                |                |                |              |
| S 24         | 12 3 27              | 2°44'48                     | 11 <b>×</b> 33        | 7° 4            | 15° 6          | 18°54          | 24°56          | 17°58          | 13°51           | 7°23          | 9°37          | 24°21          | 25° 8          | 25°19          | 19°21          | S 24         |
| M25          | 12 7 24              | 3°44'15                     | 23°23                 | 6°16            | 16°20          | 19°12          | 24°49          | 17°58          | 13°52           | 7°21          | 9°36          | 24°D20         | 25° 5          | 25°25          | 19°17          | M25          |
| T 26         | 12 11 20             | 4°43'41                     | 5 <b>군</b> 22         | 5°26            | 17°34          | 19°30          | 24°42          | 17°59          | 13°54           | 7°20          | 9°36          | 24°R20         | 25° 2          | 25°32          | 19°13          | T 26         |
| W27          | 12 15 17             | 5°43'05                     | 17°34                 | 4°34            | 18°49          | 19°48<br>20° 7 | 24°36          | 17°59          | 13°56           | 7°18          | 9°35          | 24°20          | 24°58          | 25°39          | 19° 8<br>19° 4 | W27          |
| T 28<br>F 29 | 12 19 14<br>12 23 10 | 6°42'27<br>7°41'47          | 0 <b>≈</b> 5<br>12°59 | 3°42<br>2°50    | 20° 3<br>21°17 | 20° /<br>20°26 | 24°29<br>24°22 | 18° 0<br>18° 1 | 13°58<br>13°59  | 7°16<br>7°15  | 9°34<br>9°34  | 24°18<br>24°14 | 24°55<br>24°52 | 25°45<br>25°52 | 19° 4<br>18°59 | T 28<br>F 29 |
| S 30         | 12 23 10             | 8°41'06                     | 26°20                 | 2° 1            | 21°17<br>22°32 | 20°26<br>20°45 | 24°22<br>24°14 | 18° 1          | 13°39<br>14° 1  | 7°13          | 9°34<br>9°33  | 24°14<br>24° 7 | 24°52<br>24°49 | 25°52<br>25°59 | 18°54          | S 30         |
|              |                      |                             |                       |                 | _              |                |                | _              |                 |               |               | -              |                |                |                |              |
| S 31         | 12 31 3              | 9 <b>Ƴ</b> 40'22            | 10 <b>米</b> 9         | 1 <b>℃</b> 14   | 23 <b>Y</b> 46 | 2195 5         | 24 <b>♀</b> 7  | 1895 3         | 14 <b>I</b> I 3 | 7 <b>≙</b> 11 | 9 <b>Ω</b> 33 | 23 <b>∏</b> 57 | 24∏46          | 26M 5          | 18 <b>≏</b> 50 | S 31         |

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| Day          | Sid.t                | $\odot$              | D                       | φ              | Ŷ              | ď              | 4              | ħ              | )∤(             | ¥             | 2             | U               | Ω               | ţ              | δ               | Day          |
|--------------|----------------------|----------------------|-------------------------|----------------|----------------|----------------|----------------|----------------|-----------------|---------------|---------------|-----------------|-----------------|----------------|-----------------|--------------|
| M 1          | 12 35 0              | 10 <b>°</b> 39'37    | 24 <b>)</b> 24          | 0°R30          | 25 <b>Y</b> 0  | 219925         | 24°R 0         | 1895 4         | 14 <b>I</b> 5   | 7°R10         | 9°R32         | 23°R46          | 24∏42           | 26Ml2          | 18°R45          | M 1          |
| T 2          | 12 38 56             | 11°38'50             | 9 <b>Υ</b> 0            | 29 <b>米</b> 51 | 26°14          | 21°46          | 23 <b>£</b> 53 | 18° 6          | 14° 7           | 7 <u>₽</u> 8  | 9 <b>Ω</b> 31 | 23Ⅲ35           | 24°39           | 26°19          | 18 <b>≏</b> 41  | T 2          |
| W 3          | 12 42 53             | 12°38'01             | 23°50                   | 29°16          | 27°29          | 22° 7          | 23°45          | 18° 7          | 14° 9           | 7° 6          | 9°31          | 23°25           | 24°36           | 26°25          | 18°36           | W 3          |
| T 4<br>F 5   | 12 46 49             | 13°37'09             | 8 <b>8</b> 45<br>23°36  | 28°46<br>28°21 | 28°43<br>29°57 | 22°28<br>22°50 | 23°38<br>23°30 | 18° 9<br>18°10 | 14°11<br>14°13  | 7° 5<br>7° 3  | 9°30<br>9°30  | 23°17<br>23°11  | 24°33<br>24°30  | 26°32<br>26°39 | 18°31<br>18°27  | T 4<br>F 5   |
| S 6          | 12 50 46<br>12 54 42 | 14°36'16<br>15°35'20 | 23°36<br>8 <b>耳</b> 17  | 28° 21         | 1811           | 23°12          | 23°23          | 18°10          | 14°13           | 7° 1          | 9°30          | 23° 11<br>23° 8 | 24°30<br>24°27  | 26°45          | 18°27<br>18°22  | F 5<br>S 6   |
|              | -                    |                      |                         | _              | _              |                |                |                | _               | , -           |               |                 |                 |                |                 |              |
| S 7<br>M 8   | 12 58 39<br>13 2 36  | 16°34'22<br>17°33'22 | 22°42<br>6 <b>©</b> 49  | 27°48<br>27°40 | 2°25<br>3°39   | 23°34<br>23°56 | 23°15<br>23° 8 | 18°14<br>18°16 | 14°18<br>14°20  | 7° 0<br>6°58  | 9°29<br>9°29  | 23°D 7<br>23° 8 | 24°23<br>24°20  | 26°52<br>26°59 | 18°17<br>18°12  | S 7<br>M 8   |
| T 9          | 13 6 32              | 1/°33'22<br>18°32'20 | 20°37                   | 27°D37         | 4°53           | 23°36<br>24°19 | 23° 8          | 18°18          | 14°20           | 6°57          | 9°29          | 23°R 8          | 24°20<br>24°17  | 20°39<br>27° 5 | 18° 12<br>18° 8 | M 8          |
| W10          | 13 10 29             | 18 32 20<br>19°31'15 | 20 37<br>4 <b>Ω</b> 7   | 27°40          | 6° 7           | 24°42          | 22°52          | 18°20          | 14°25           | 6°55          | 9°28          | 23° 7           | 24°14           | 27°12          | 18° 3           | W10          |
| T 11         | 13 14 25             | 20°30'08             | 17°22                   | 27°47          | 7°21           | 25° 5          | 22°45          | 18°23          | 14°27           | 6°53          | 9°28          | 23° 4           | 24°11           | 27°19          | 17°58           | T 11         |
| F 12         | 13 18 22             | 21°28'58             | 0 <b>m</b> 21           | 28° 0          | 8°35           | 25°29          | 22°37          | 18°25          | 14°29           | 6°52          | 9°27          | 22°58           | 24° 8           | 27°25          | 17°54           | F 12         |
| S 13         | 13 22 18             | 22°27'46             | 13° 8                   | 28°18          | 9°49           | 25°53          | 22°29          | 18°28          | 14°32           | 6°50          | 9°27          | 22°50           | 24° 4           | 27°32          | 17°49           | S 13         |
| S 14         | 13 26 15             | 23°26'32             | 25°44                   | 28°40          | 11° 3          | 26°17          | 22°22          | 18°30          | 14°34           | 6°49          | 9°27          | 22°41           | 24° 1           | 27°39          | 17°44           | S 14         |
| M15          | 13 30 11             | 24°25'16             | 8 <b>亚</b> 8            | 29° 7          | 12°16          | 26°41          | 22°14          | 18°33          | 14°37           | 6°47          | 9°27          | 22°30           | 23°58           | 27°45          | 17°39           | M15          |
| T 16         | 13 34 8              | 25°23'58             | 20°23                   | 29°39          | 13°30          | 27° 6          | 22° 6          | 18°36          | 14°40           | 6°45          | 9°27          | 22°19           | 23°55           | 27°52          | 17°35           | T 16         |
| W17          | 13 38 5              | 26°22'38             | 2 <b>M</b> 29           | 0 <b>Υ</b> 14  | 14°44          | 27°31          | 21°59          | 18°39          | 14°42           | 6°44          | 9°26          | 22° 9           | 23°52           | 27°59          | 17°30           | W17          |
| T 18         | 13 42 1              | 27°21'16             | 14°27                   | 0°53           | 15°58          | 27°56          | 21°51          | 18°42          | 14°45           | 6°42          | 9°26          | 22° 1           | 23°48           | 28° 5          | 17°26           | T 18         |
| F 19<br>S 20 | 13 45 58<br>13 49 54 | 28°19'52<br>29°18'26 | 26°19<br>8 <b>∡</b> 7 7 | 1°36<br>2°23   | 17°11<br>18°25 | 28°21<br>28°47 | 21°43<br>21°36 | 18°45<br>18°48 | 14°47<br>14°50  | 6°41<br>6°39  | 9°26<br>9°26  | 21°56<br>21°52  | 23°45<br>23°42  | 28°12<br>28°19 | 17°21<br>17°16  | F 19<br>S 20 |
|              |                      |                      |                         |                |                |                |                |                |                 |               |               |                 |                 |                |                 |              |
| S 21         | 13 53 51             | 0816'59              | 19°54                   | 3°13           | 19°39          | 29°13          | 21°28          | 18°51          | 14°53           | 6°38          | 9°26          | 21°D51          | 23°39           | 28°25          | 17°12           | S 21         |
| M22          | 13 57 47             | 1°15'30              | 1 <b>る</b> 45           | 4° 6<br>5° 2   | 20°52<br>22° 6 | 29°39          | 21°21<br>21°13 | 18°55          | 14°56           | 6°36<br>6°35  | 9°D26<br>9°26 | 21°52           | 23°36           | 28°32          | 17° 7<br>17° 3  | M22<br>T 23  |
| T 23<br>W24  | 14 1 44<br>14 5 40   | 2°14'00<br>3°12'27   | 13°43<br>25°55          | 5° 2<br>6° 2   | 23°19          | 0Ω 5<br>0°31   | 21°13          | 18°58<br>19°2  | 14°58<br>15° 1  | 6°34          | 9°26          | 21°53<br>21°54  | 23°33<br>23°29  | 28°39<br>28°45 | 16°59           | W24          |
| T 25         | 14 9 37              | 4°10'53              | 8 <b>≈</b> 23           | 7° 4           | 24°33          | 0°58           | 20°58          | 19° 5          | 15° 4           | 6°32          | 9°26          | 21°R54          | 23°26           | 28°52          | 16°54           | T 25         |
| F 26         | 14 13 34             | 5° 9'18              | 21°15                   | 8° 9           | 25°46          | 1°25           | 20°51          | 19° 9          | 15° 7           | 6°31          | 9°26          | 21°53           | 23°23           | 28°59          | 16°50           | F 26         |
| S 27         | 14 17 30             | 6° 7'41              | <b>4)</b> €32           | 9°16           | 27° 0          | 1°52           | 20°44          | 19°13          | 15°10           | 6°29          | 9°26          | 21°49           | 23°20           | 29° 5          | 16°46           | S 27         |
| S 28         | 14 21 27             | 7° 6'02              | 18°18                   | 10°26          | 28°13          | 2°19           | 20°37          | 19°17          | 15°13           | 6°28          | 9°26          | 21°45           | 23°17           | 29°12          | 16°41           | S 28         |
| M29          | 14 25 23             | 8° 4'22              | 2 <b>Y</b> 33           | 11°39          | 29°26          | 2°47           | 20°30          | 19°21          | 15°16           | 6°27          | 9°27          | 21°38           | 23°14           | 29°19          | 16°37           | M29          |
| T 30         | 14 29 20             | 9 <b>8</b> 2'40      | 17 <b>Y</b> 13          | 12 <b>Y</b> 54 | 0 <b>Ⅱ</b> 40  | 3 <b>Ω</b> 14  | 20 <b>≏</b> 23 | 19925          | 15 <b>I</b> I19 | 6 <b>₽</b> 25 | 9 <b>Ω</b> 27 | 21 <b>II</b> 32 | 23 <b>II</b> 10 | 29 <b>M</b> 25 | 16 <b>≏</b> 33  | T 30         |

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| Day  | Sid.t    | 0                | D              | φ              | Q.            | ð              | 4              | ħ      | )f(            | ¥             | Р             | ₽.              | ಬ               | Ç              | , k            | Day  |
|------|----------|------------------|----------------|----------------|---------------|----------------|----------------|--------|----------------|---------------|---------------|-----------------|-----------------|----------------|----------------|------|
| W 1  | 14 33 16 | 10 <b>岁</b> 0'56 | 2 <b>8</b> 11  | 14 <b>Y</b> 11 | 1 <b>Ⅱ</b> 53 | 3 <b>Ω</b> 42  | 20°R16         | 199529 | 15 <b>Ⅱ</b> 22 | 6°R24         | 9 <b>Ω</b> 27 | 21°R26          | 23 <b>II</b> 7  | 29M32          | 16°R29         | W 1  |
| T 2  | 14 37 13 | 10°59'11         | 17°20          | 15°30          | 3° 6          | 4°10           | 20 <b>♀</b> 9  | 19°33  | 15°25          | 6 <b>₾</b> 23 | 9°27          | 21 <b>II</b> 21 | 23° 4           | 29°39          | 16 <b>≏</b> 25 | T 2  |
| F 3  | 14 41 9  | 11°57'24         | 2Ⅱ29           | 16°52          | 4°20          | 4°38           | 20° 2          | 19°38  | 15°28          | 6°21          | 9°28          | 21°18           | 23° 1           | 29°45          | 16°21          | F 3  |
| S 4  | 14 45 6  | 12°55'35         | 17°29          | 18°16          | 5°33          | 5° 7           | 19°56          | 19°42  | 15°31          | 6°20          | 9°28          | 21°D16          | 22°58           | 29°52          | 16°17          | S 4  |
| S 5  | 14 49 3  | 13°53'45         | 29512          | 19°42          | 6°46          | 5°35           | 19°49          | 19°47  | 15°34          | 6°19          | 9°28          | 21°17           | 22°54           | 29°59          | 16°13          | S 5  |
| M 6  | 14 52 59 | 14°51'52         | 16°34          | 21° 9          | 7°59          | 6° 4           | 19°43          | 19°52  | 15°37          | 6°18          | 9°29          | 21°18           | 22°51           | 0 <b>才</b> 5   | 16°10          | M 6  |
| T 7  | 14 56 56 | 15°49'58         | $0\Omega$ 32   | 22°39          | 9°12          | 6°33           | 19°36          | 19°56  | 15°40          | 6°16          | 9°29          | 21°19           | 22°48           | 0°12           | 16° 6          | T 7  |
| W 8  | 15 0 52  | 16°48'01         | 14° 6          | 24°12          | 10°25         | 7° 2           | 19°30          | 20° 1  | 15°44          | 6°15          | 9°29          | 21°R20          | 22°45           | 0°18           | 16° 2          | W 8  |
| T 9  | 15 4 49  | 17°46'03         | 27°19          | 25°46          | 11°38         | 7°31           | 19°24          | 20° 6  | 15°47          | 6°14          | 9°30          | 21°20           | 22°42           | 0°25           | 15°59          | T 9  |
| F 10 | 15 8 45  | 18°44'02         | 10 <b>M</b> 12 | 27°22          | 12°51         | 8° 0           | 19°18          | 20°11  | 15°50          | 6°13          | 9°30          | 21°18           | 22°39           | 0°32           | 15°56          | F 10 |
| S 11 | 15 12 42 | 19°42'00         | 22°49          | 29° 0          | 14° 4         | 8°30           | 19°12          | 20°16  | 15°53          | 6°12          | 9°31          | 21°15           | 22°35           | 0°38           | 15°52          | S 11 |
| S 12 | 15 16 38 | 20°39'56         | 5 <b>₽</b> 11  | 0 <b>8</b> 40  | 15°17         | 8°59           | 19° 7          | 20°21  | 15°57          | 6°11          | 9°31          | 21°10           | 22°32           | 0°45           | 15°49          | S 12 |
| M13  | 15 20 35 | 21°37'50         | 17°23          | 2°22           | 16°30         | 9°29           | 19° 1          | 20°26  | 16° 0          | 6°10          | 9°32          | 21° 5           | 22°29           | 0°52           | 15°46          | M13  |
| T 14 | 15 24 32 | 22°35'43         | 29°26          | 4° 6           | 17°43         | 9°59           | 18°56          | 20°31  | 16° 3          | 6° 9          | 9°32          | 21° 0           | 22°26           | 0°58           | 15°43          | T 14 |
| W15  | 15 28 28 | 23°33'34         | 11 <b>M</b> 22 | 5°52           | 18°56         | 10°29          | 18°50          | 20°37  | 16° 7          | 6° 8          | 9°33          | 20°56           | 22°23           | 1° 5           | 15°40          | W15  |
| T 16 | 15 32 25 | 24°31'23         | 23°13          | 7°41           | 20° 8         | 10°59          | 18°45          | 20°42  | 16°10          | 6° 7          | 9°34          | 20°52           | 22°19           | 1°12           | 15°37          | T 16 |
| F 17 | 15 36 21 | 25°29'11         | 5 <b>₹</b> 2   | 9°31           | 21°21         | 11°29          | 18°40          | 20°47  | 16°13          | 6° 6          | 9°34          | 20°50           | 22°16           | 1°18           | 15°34          | F 17 |
| S 18 | 15 40 18 | 26°26'58         | 16°50          | 11°23          | 22°34         | 12° 0          | 18°35          | 20°53  | 16°17          | 6° 5          | 9°35          | 20°D49          | 22°13           | 1°25           | 15°31          | S 18 |
| S 19 | 15 44 14 | 27°24'43         | 28°40          | 13°17          | 23°46         | 12°30          | 18°31          | 20°59  | 16°20          | 6° 4          | 9°36          | 20°49           | 22°10           | 1°32           | 15°28          | S 19 |
| M20  | 15 48 11 | 28°22'28         | 10 <b>る</b> 35 | 15°13          | 24°59         | 13° 1          | 18°26          | 21° 4  | 16°23          | 6° 3          | 9°36          | 20°50           | 22° 7           | 1°38           | 15°26          | M20  |
| T 21 | 15 52 7  | 29°20'11         | 22°37          | 17°11          | 26°12         | 13°32          | 18°22          | 21°10  | 16°27          | 6° 2          | 9°37          | 20°52           | 22° 4           | 1°45           | 15°23          | T 21 |
| W22  | 15 56 4  | 0 <b>Ⅱ</b> 17'52 | 4≈52           | 19°11          | 27°24         | 14° 3          | 18°17          | 21°16  | 16°30          | 6° 1          | 9°38          | 20°53           | 22° 0           | 1°52           | 15°21          | W22  |
| T 23 | 16 0 1   | 1°15'33          | 17°22          | 21°13          | 28°37         | 14°34          | 18°13          | 21°22  | 16°34          | 6° 1          | 9°39          | 20°54           | 21°57           | 1°58           | 15°19          | T 23 |
| F 24 | 16 3 57  | 2°13'13          | 0 <b>∺</b> 12  | 23°17          | 29°49         | 15° 5          | 18° 9          | 21°28  | 16°37          | 6° 0          | 9°39          | 20°R55          | 21°54           | 2° 5           | 15°16          | F 24 |
| S 25 | 16 7 54  | 3°10'52          | 13°25          | 25°22          | 199 1         | 15°37          | 18° 6          | 21°34  | 16°41          | 5°59          | 9°40          | 20°55           | 21°51           | 2°12           | 15°14          | S 25 |
| S 26 | 16 11 50 | 4° 8'29          | 27° 3          | 27°29          | 2°14          | 16° 8          | 18° 2          | 21°40  | 16°44          | 5°58          | 9°41          | 20°54           | 21°48           | 2°18           | 15°12          | S 26 |
| M27  | 16 15 47 | 5° 6'06          | 11 <b>Υ</b> 9  | 29°37          | 3°26          | 16°40          | 17°59          | 21°46  | 16°48          | 5°58          | 9°42          | 20°52           | 21°45           | 2°25           | 15°10          | M27  |
| T 28 | 16 19 43 | 6° 3'42          | 25°40          | 1 <b>Ⅱ</b> 47  | 4°38          | 17°11          | 17°55          | 21°52  | 16°51          | 5°57          | 9°43          | 20°50           | 21°41           | 2°32           | 15° 9          | T 28 |
| W29  | 16 23 40 | 7° 1'17          | 10832          | 3°57           | 5°51          | 17°43          | 17°52          | 21°58  | 16°55          | 5°56          | 9°44          | 20°49           | 21°38           | 2°38           | 15° 7          | W29  |
| T 30 | 16 27 36 | 7°58'51          | 25°38          | 6° 8           | 7° 3          | 18°15          | 17°49          | 22° 4  | 16°58          | 5°56          | 9°45          | 20°47           | 21°35           | 2°45           | 15° 5          | T 30 |
| F 31 | 16 31 33 | 8 <b>Ⅱ</b> 56'24 | 10 <b>Ⅱ</b> 49 | 8Д20           | 89915         | 18 <b>Ω</b> 47 | 17 <b>≙</b> 47 | 229911 | 17 <b>I</b> 2  | 5 <b>≙</b> 55 | 9 <b>Ω</b> 46 | 20 <b>Ⅱ</b> 47  | 21 <b>II</b> 32 | 2 <b>,</b> ₹52 | 15 <b>♀</b> 4  | F 31 |

Delta T = 27.64 sec

JUNE 1946 00:00 UT

| Day  | Sid.t    | 0                | D              | φ              | ·              | ♂              | 4              | ħ      | )f(            | ¥             | Р              | U              | ಬ              | Ç             | ę,             | Day  |
|------|----------|------------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|---------------|----------------|----------------|----------------|---------------|----------------|------|
| S 1  | 16 35 30 | 9 <b>Ⅱ</b> 53'56 | 25 <b>Ⅱ</b> 57 | 10 <b>Ⅲ</b> 32 | 9927           | 19 <b>Ω</b> 19 | 17°R44         | 229517 | 17 <b>I</b> 5  | 5°R55         | 9 <b>Ω</b> 47  | 20°D46         | 21 <b>Ⅱ</b> 29 | 2 <b>₹</b> 58 | 15°R 3         | S 1  |
| S 2  | 16 39 26 | 10°51'27         | 10952          | 12°44          | 10°39          | 19°51          | 17 <b>≙</b> 42 | 22°24  | 17° 9          | 5 <b>≙</b> 54 | 9°48           | 20 <b>Ⅱ</b> 47 | 21°25          | 3° 5          | 15 <b>♀</b> 1  | S 2  |
| M 3  | 16 43 23 | 11°48'57         | 25°26          | 14°56          | 11°51          | 20°24          | 17°40          | 22°30  | 17°12          | 5°54          | 9°49           | 20°48          | 21°22          | 3°11          | 15° 0          | M 3  |
| T 4  | 16 47 19 | 12°46'25         | 9Ω36           | 17° 7          | 13° 3          | 20°56          | 17°38          | 22°37  | 17°16          | 5°53          | 9°50           | 20°48          | 21°19          | 3°18          | 14°59          | T 4  |
| W 5  | 16 51 16 | 13°43'53         | 23°20          | 19°18          | 14°15          | 21°29          | 17°36          | 22°43  | 17°19          | 5°53          | 9°51           | 20°49          | 21°16          | 3°25          | 14°58          | W 5  |
| T 6  | 16 55 12 | 14°41'19         | 6 <b>m</b> 38  | 21°27          | 15°27          | 22° 1          | 17°34          | 22°50  | 17°23          | 5°52          | 9°52           | 20°49          | 21°13          | 3°31          | 14°57          | T 6  |
| F 7  | 16 59 9  | 15°38'43         | 19°32          | 23°35          | 16°39          | 22°34          | 17°33          | 22°56  | 17°27          | 5°52          | 9°53           | 20°R49         | 21°10          | 3°38          | 14°57          | F 7  |
| S 8  | 17 3 5   | 16°36'07         | 2 <b>₾</b> 6   | 25°42          | 17°50          | 23° 7          | 17°31          | 23° 3  | 17°30          | 5°52          | 9°54           | 20°49          | 21° 6          | 3°45          | 14°56          | S 8  |
| S 9  | 17 7 2   | 17°33'30         | 14°23          | 27°47          | 19° 2          | 23°40          | 17°30          | 23°10  | 17°34          | 5°52          | 9°56           | 20°49          | 21° 3          | 3°51          | 14°55          | S 9  |
| M10  | 17 10 59 | 18°30'51         | 26°28          | 29°50          | 20°14          | 24°13          | 17°29          | 23°17  | 17°37          | 5°51          | 9°57           | 20°48          | 21° 0          | 3°58          | 14°55          | M10  |
| T 11 | 17 14 55 | 19°28'12         | 8 <b>M</b> 24  | 19951          | 21°25          | 24°46          | 17°28          | 23°24  | 17°41          | 5°51          | 9°58           | 20°48          | 20°57          | 4° 5          | 14°55          | T 11 |
| W12  | 17 18 52 | 20°25'31         | 20°15          | 3°50           | 22°37          | 25°19          | 17°28          | 23°31  | 17°44          | 5°51          | 9°59           | 20°D48         | 20°54          | 4°11          | 14°55          | W12  |
| T 13 | 17 22 48 | 21°22'50         | 2 <b>,</b> ₹ 3 | 5°47           | 23°49          | 25°52          | 17°27          | 23°38  | 17°48          | 5°51          | 10° 0          | 20°48          | 20°51          | 4°18          | 14°D55         | T 13 |
| F 14 | 17 26 45 | 22°20'08         | 13°51          | 7°42           | 25° 0          | 26°26          | 17°27          | 23°45  | 17°51          | 5°51          | 10° 2          | 20°48          | 20°47          | 4°25          | 14°55          | F 14 |
| S 15 | 17 30 41 | 23°17'26         | 25°42          | 9°34           | 26°11          | 26°59          | 17°D27         | 23°52  | 17°55          | 5°50          | 10° 3          | 20°R48         | 20°44          | 4°31          | 14°55          | S 15 |
| S 16 | 17 34 38 | 24°14'42         | 7 <b>云</b> 39  | 11°24          | 27°23          | 27°33          | 17°27          | 23°59  | 17°58          | 5°50          | 10° 4          | 20°48          | 20°41          | 4°38          | 14°55          | S 16 |
| M17  | 17 38 34 | 25°11'59         | 19°42          | 13°12          | 28°34          | 28° 6          | 17°28          | 24° 6  | 18° 2          | 5°D50         | 10° 6          | 20°48          | 20°38          | 4°45          | 14°56          | M17  |
| T 18 | 17 42 31 | 26° 9'14         | 1≈55           | 14°57          | 29°45          | 28°40          | 17°28          | 24°13  | 18° 6          | 5°50          | 10° 7          | 20°47          | 20°35          | 4°51          | 14°56          | T 18 |
| W19  | 17 46 28 | 27° 6'30         | 14°19          | 16°40          | 0 <b>Ω</b> 56  | 29°14          | 17°29          | 24°20  | 18° 9          | 5°50          | 10° 8          | 20°46          | 20°31          | 4°58          | 14°57          | W19  |
| T 20 | 17 50 24 | 28° 3'45         | 26°57          | 18°20          | 2° 7           | 29°48          | 17°30          | 24°27  | 18°13          | 5°51          | 10°10          | 20°46          | 20°28          | 5° 5          | 14°57          | T 20 |
| F 21 | 17 54 21 | 29° 1'00         | 9 <b>∺</b> 52  | 19°58          | 3°18           | 0 <b>m</b> 22  | 17°31          | 24°35  | 18°16          | 5°51          | 10°11          | 20°45          | 20°25          | 5°11          | 14°58          | F 21 |
| S 22 | 17 58 17 | 29°58'14         | 23° 5          | 21°34          | 4°29           | 0°56           | 17°32          | 24°42  | 18°20          | 5°51          | 10°13          | 20°44          | 20°22          | 5°18          | 14°59          | S 22 |
| S 23 | 18 2 14  | 0955'29          | 6 <b>Ƴ</b> 39  | 23° 7          | 5°40           | 1°30           | 17°33          | 24°49  | 18°23          | 5°51          | 10°14          | 20°D44         | 20°19          | 5°25          | 15° 0          | S 23 |
| M24  | 18 6 10  | 1°52'43          | 20°34          | 24°38          | 6°51           | 2° 4           | 17°35          | 24°57  | 18°27          | 5°51          | 10°15          | 20°45          | 20°16          | 5°31          | 15° 1          | M24  |
| T 25 | 18 10 7  | 2°49'58          | 4 <b>8</b> 50  | 26° 6          | 8° 2           | 2°39           | 17°36          | 25° 4  | 18°30          | 5°51          | 10°17          | 20°46          | 20°12          | 5°38          | 15° 3          | T 25 |
| W26  | 18 14 3  | 3°47'12          | 19°26          | 27°32          | 9°13           | 3°13           | 17°38          | 25°11  | 18°34          | 5°52          | 10°18          | 20°47          | 20° 9          | 5°44          | 15° 4          | W26  |
| T 27 | 18 18 0  | 4°44'27          | 4 <b>Ⅱ</b> 16  | 28°55          | 10°23          | 3°48           | 17°40          | 25°19  | 18°37          | 5°52          | 10°20          | 20°47          | 20° 6          | 5°51          | 15° 6          | T 27 |
| F 28 | 18 21 57 | 5°41'41          | 19°16          | $0\Omega16$    | 11°34          | 4°22           | 17°43          | 25°26  | 18°40          | 5°52          | 10°21          | 20°R48         | 20° 3          | 5°58          | 15° 7          | F 28 |
| S 29 | 18 25 53 | 6°38'55          | 49916          | 1°34           | 12°45          | 4°57           | 17°45          | 25°34  | 18°44          | 5°53          | 10°23          | 20°48          | 20° 0          | 6° 4          | 15° 9          | S 29 |
| S 30 | 18 29 50 | 7936'09          | 1995 8         | 2 <b>Ω</b> 50  | 13 <b>N</b> 55 | 5 <b>m</b> 32  | 17 <b>≏</b> 48 | 259641 | 18 <b>Ⅱ</b> 47 | 5 <b>≙</b> 53 | 10 <b>Ω</b> 24 | 20 <b>Ⅱ</b> 46 | 19 <b>Ⅱ</b> 57 | 6 <b>₹</b> 11 | 15 <b>≏</b> 11 | S 30 |

Delta T = 27.67 sec

JULY 1946 00:00 UT

| Day  | Sid.t    | 0                | D                | ğ              | ·               | ð       | 4              | ħ      | )f(            | Ħ             | Р              | ß              | ß              | Ç              | ę,             | Day  |
|------|----------|------------------|------------------|----------------|-----------------|---------|----------------|--------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|------|
| M 1  | 18 33 46 | 8933'23          | 3 <b>Ω</b> 45    | 4 <b>Ω</b> 2   | 15 <b>Ω</b> 5   | 6M) 6   | 17 <b>♀</b> 50 | 259549 | 18 <b>Ⅲ</b> 51 | 5 <b>₾</b> 53 | 10 <b>Ω</b> 26 | 20°R45         | 19 <b>Ⅲ</b> 53 | 6 <b>₹</b> 18  | 15 <b>≏</b> 13 | M 1  |
| T 2  | 18 37 43 | 9°30'37          | 18° 1            | 5°12           | 16°16           | 6°41    | 17°53          | 25°56  | 18°54          | 5°54          | 10°27          | 20∏42          | 19°50          | 6°24           | 15°15          | T 2  |
| W 3  | 18 41 39 | 10°27'50         | 1 <b>m</b> p 5 1 | 6°20           | 17°26           | 7°16    | 17°57          | 26° 4  | 18°57          | 5°54          | 10°29          | 20°40          | 19°47          | 6°31           | 15°17          | W 3  |
| T 4  | 18 45 36 | 11°25'03         | 15°15            | 7°24           | 18°36           | 7°51    | 18° 0          | 26°11  | 19° 1          | 5°55          | 10°31          | 20°37          | 19°44          | 6°38           | 15°19          | T 4  |
| F 5  | 18 49 33 | 12°22'16         | 28°13            | 8°25           | 19°46           | 8°26    | 18° 3          | 26°19  | 19° 4          | 5°55          | 10°32          | 20°36          | 19°41          | 6°44           | 15°22          | F 5  |
| S 6  | 18 53 29 | 13°19'28         | 10 <b>≏</b> 49   | 9°23           | 20°56           | 9° 2    | 18° 7          | 26°27  | 19° 7          | 5°56          | 10°34          | 20°D35         | 19°37          | 6°51           | 15°24          | S 6  |
| S 7  | 18 57 26 | 14°16'40         | 23° 6            | 10°18          | 22° 6           | 9°37    | 18°11          | 26°34  | 19°11          | 5°57          | 10°35          | 20°35          | 19°34          | 6°58           | 15°27          | S 7  |
| M 8  | 19 1 22  | 15°13'52         | 5 <b>M</b> 9     | 11° 9          | 23°16           | 10°12   | 18°15          | 26°42  | 19°14          | 5°57          | 10°37          | 20°37          | 19°31          | 7° 4           | 15°29          | M 8  |
| T 9  | 19 5 19  | 16°11'04         | 17° 3            | 11°58          | 24°26           | 10°48   | 18°19          | 26°50  | 19°17          | 5°58          | 10°39          | 20°38          | 19°28          | 7°11           | 15°32          | T 9  |
| W10  | 19 9 15  | 17° 8'16         | 28°51            | 12°42          | 25°36           | 11°23   | 18°23          | 26°57  | 19°21          | 5°59          | 10°40          | 20°40          | 19°25          | 7°18           | 15°35          | W10  |
| T 11 | 19 13 12 | 18° 5'28         | 10 <b>∡</b> 39   | 13°23          | 26°45           | 11°59   | 18°27          | 27° 5  | 19°24          | 5°59          | 10°42          | 20°41          | 19°22          | 7°24           | 15°38          | T 11 |
| F 12 | 19 17 8  | 19° 2'40         | 22°30            | 14° 0          | 27°55           | 12°34   | 18°32          | 27°13  | 19°27          | 6° 0          | 10°44          | 20°R41         | 19°18          | 7°31           | 15°41          | F 12 |
| S 13 | 19 21 5  | 19°59'52         | 4 <b>궁</b> 27    | 14°33          | 29° 4           | 13°10   | 18°37          | 27°20  | 19°30          | 6° 1          | 10°45          | 20°41          | 19°15          | 7°38           | 15°45          | S 13 |
| S 14 | 19 25 2  | 20°57'04         | 16°33            | 15° 2          | 0 <b>m</b> y 13 | 13°46   | 18°41          | 27°28  | 19°33          | 6° 2          | 10°47          | 20°38          | 19°12          | 7°44           | 15°48          | S 14 |
| M15  | 19 28 58 | 21°54'17         | 28°49            | 15°27          | 1°23            | 14°22   | 18°47          | 27°36  | 19°36          | 6° 3          | 10°49          | 20°35          | 19° 9          | 7°51           | 15°51          | M15  |
| T 16 | 19 32 55 | 22°51'29         | 11≈18            | 15°47          | 2°32            | 14°57   | 18°52          | 27°44  | 19°40          | 6° 4          | 10°50          | 20°30          | 19° 6          | 7°57           | 15°55          | T 16 |
| W17  | 19 36 51 | 23°48'43         | 23°59            | 16° 3          | 3°41            | 15°33   | 18°57          | 27°51  | 19°43          | 6° 4          | 10°52          | 20°24          | 19° 3          | 8° 4           | 15°58          | W17  |
| T 18 | 19 40 48 | 24°45'56         | 6 <b>∺</b> 53    | 16°14          | 4°50            | 16° 9   | 19° 3          | 27°59  | 19°46          | 6° 5          | 10°54          | 20°19          | 18°59          | 8°11           | 16° 2          | T 18 |
| F 19 | 19 44 44 | 25°43'11         | 20° 1            | 16°20          | 5°58            | 16°45   | 19°8           | 28° 7  | 19°49          | 6° 6          | 10°56          | 20°14          | 18°56          | 8°17           | 16° 6          | F 19 |
| S 20 | 19 48 41 | 26°40'26         | <b>3</b> Υ22     | 16°R21         | 7° 7            | 17°22   | 19°14          | 28°15  | 19°52          | 6° 7          | 10°57          | 20°11          | 18°53          | 8°24           | 16°10          | S 20 |
| S 21 | 19 52 37 | 27°37'42         | 16°59            | 16°18          | 8°16            | 17°58   | 19°20          | 28°22  | 19°55          | 6° 8          | 10°59          | 20° 9          | 18°50          | 8°31           | 16°14          | S 21 |
| M22  | 19 56 34 | 28°34'58         | 0 <b>8</b> 49    | 16° 9          | 9°24            | 18°34   | 19°26          | 28°30  | 19°58          | 6° 9          | 11° 1          | 20°D 8         | 18°47          | 8°37           | 16°18          | M22  |
| T 23 | 20 0 31  | 29°32'16         | 14°54            | 15°56          | 10°33           | 19°11   | 19°32          | 28°38  | 20° 1          | 6°11          | 11° 3          | 20° 9          | 18°43          | 8°44           | 16°22          | T 23 |
| W24  | 20 4 27  | 0 <b>Q</b> 29'34 | 29°13            | 15°38          | 11°41           | 19°47   | 19°38          | 28°46  | 20° 4          | 6°12          | 11° 4          | 20°10          | 18°40          | 8°51           | 16°26          | W24  |
| T 25 | 20 8 24  | 1°26'54          | 13 <b>Ⅱ</b> 43   | 15°15          | 12°49           | 20°24   | 19°45          | 28°53  | 20° 6          | 6°13          | 11° 6          | 20°R11         | 18°37          | 8°57           | 16°31          | T 25 |
| F 26 | 20 12 20 | 2°24'14          | 28°20            | 14°48          | 13°57           | 21° 0   | 19°51          | 29° 1  | 20° 9          | 6°14          | 11°8           | 20°11          | 18°34          | 9° 4           | 16°35          | F 26 |
| S 27 | 20 16 17 | 3°21'35          | 1399 0           | 14°17          | 15° 5           | 21°37   | 19°58          | 29° 9  | 20°12          | 6°15          | 11°10          | 20° 9          | 18°31          | 9°11           | 16°40          | S 27 |
| S 28 | 20 20 13 | 4°18'58          | 27°37            | 13°41          | 16°13           | 22°13   | 20° 5          | 29°17  | 20°15          | 6°16          | 11°11          | 20° 5          | 18°28          | 9°17           | 16°45          | S 28 |
| M29  | 20 24 10 | 5°16'20          | 12 <b>N</b> 3    | 13° 3          | 17°21           | 22°50   | 20°12          | 29°24  | 20°18          | 6°18          | 11°13          | 20° 0          | 18°24          | 9°24           | 16°49          | M29  |
| T 30 | 20 28 6  | 6°13'44          | 26°12            | 12°22          | 18°28           | 23°27   | 20°19          | 29°32  | 20°20          | 6°19          | 11°15          | 19°53          | 18°21          | 9°31           | 16°54          | T 30 |
| W31  | 20 32 3  | 7 <b>Ω</b> 11'08 | 10 Mg 0          | 11 <b>Ω</b> 39 | 19 <b>M</b> 36  | 24 Mp 4 | 20 <b>≏</b> 27 | 29940  | 20 <b>Ⅱ</b> 23 | 6 <b>₽</b> 20 | 11 <b>Ω</b> 17 | 19 <b>Ⅱ</b> 45 | 18 <b>Ⅱ</b> 18 | 9 <b>.7</b> 37 | 16 <b>≏</b> 59 | W31  |

Delta T = 27.70 sec

AUGUST 1946 00:00 UT

| Day  | Sid.t    | $\odot$          | D             | ğ              | φ              | ♂              | 4              | ħ             | )Å(             | <del>,</del>  | Р              | ß      | ß               | Ç              | ę,             | Day  |
|------|----------|------------------|---------------|----------------|----------------|----------------|----------------|---------------|-----------------|---------------|----------------|--------|-----------------|----------------|----------------|------|
| T 1  | 20 36 0  | 8 <b>N</b> 8'33  | 23 Mp 25      | 10°R54         | 20 <b>m</b> 43 | 24 Mp 41       | 20 <b>≏</b> 34 | 299548        | 20 <b>II</b> 26 | 6 <b>₽</b> 22 | 11 <b>Ω</b> 18 | 19°R38 | 18 <b>II</b> 15 | 9 <b>,₹</b> 44 | 17 <b>♀</b> 4  | T 1  |
| F 2  | 20 39 56 | 9° 5'58          | 6 <b>≏</b> 25 | $10\Omega$ 8   | 21°50          | 25°18          | 20°41          | 29°55         | 20°28           | 6°23          | 11°20          | 19∏32  | 18°12           | 9°50           | 17° 9          | F 2  |
| S 3  | 20 43 53 | 10° 3'24         | 19° 2         | 9°23           | 22°57          | 25°55          | 20°49          | $0\Omega$ 3   | 20°31           | 6°24          | 11°22          | 19°28  | 18° 9           | 9°57           | 17°14          | S 3  |
| S 4  | 20 47 49 | 11° 0'51         | 1 <b>M</b> 20 | 8°39           | 24° 4          | 26°32          | 20°57          | 0°11          | 20°34           | 6°26          | 11°24          | 19°25  | 18° 5           | 10° 4          | 17°20          | S 4  |
| M 5  | 20 51 46 | 11°58'18         | 13°23         | 7°57           | 25°11          | 27°10          | 21° 5          | 0°18          | 20°36           | 6°27          | 11°26          | 19°D25 | 18° 2           | 10°10          | 17°25          | M 5  |
| T 6  | 20 55 42 | 12°55'46         | 25°16         | 7°17           | 26°18          | 27°47          | 21°13          | 0°26          | 20°39           | 6°29          | 11°27          | 19°26  | 17°59           | 10°17          | 17°31          | T 6  |
| W 7  | 20 59 39 | 13°53'15         | 7 <b>.₹</b> 5 | 6°41           | 27°24          | 28°24          | 21°21          | 0°34          | 20°41           | 6°30          | 11°29          | 19°27  | 17°56           | 10°24          | 17°36          | W 7  |
| T 8  | 21 3 35  | 14°50'45         | 18°54         | 6° 9           | 28°30          | 29° 2          | 21°29          | 0°41          | 20°43           | 6°32          | 11°31          | 19°R27 | 17°53           | 10°30          | 17°42          | T 8  |
| F 9  | 21 7 32  | 15°48'16         | 0 <b>궁</b> 48 | 5°42           | 29°36          | 29°39          | 21°38          | 0°49          | 20°46           | 6°33          | 11°33          | 19°26  | 17°49           | 10°37          | 17°47          | F 9  |
| S 10 | 21 11 29 | 16°45'47         | 12°52         | 5°20           | 0 <b>≏</b> 42  | 0 <b>ჲ</b> 17  | 21°46          | 0°56          | 20°48           | 6°35          | 11°34          | 19°24  | 17°46           | 10°44          | 17°53          | S 10 |
| S 11 | 21 15 25 | 17°43'20         | 25° 8         | 5° 5           | 1°48           | 0°54           | 21°55          | 1° 4          | 20°51           | 6°36          | 11°36          | 19°19  | 17°43           | 10°50          | 17°59          | S 11 |
| M12  | 21 19 22 | 18°40'53         | 7≈39          | 4°55           | 2°54           | 1°32           | 22° 3          | 1°12          | 20°53           | 6°38          | 11°38          | 19°11  | 17°40           | 10°57          | 18° 5          | M12  |
| T 13 | 21 23 18 | 19°38'28         | 20°25         | 4°D53          | 3°59           | 2°10           | 22°12          | 1°19          | 20°55           | 6°40          | 11°40          | 19° 2  | 17°37           | 11° 4          | 18°11          | T 13 |
| W14  | 21 27 15 | 20°36'04         | 3 <b>∺</b> 27 | 4°57           | 5° 4           | 2°48           | 22°21          | 1°27          | 20°57           | 6°41          | 11°42          | 18°52  | 17°34           | 11°10          | 18°17          | W14  |
| T 15 | 21 31 11 | 21°33'41         | 16°44         | 5° 9           | 6° 9           | 3°25           | 22°30          | 1°34          | 20°59           | 6°43          | 11°43          | 18°41  | 17°30           | 11°17          | 18°23          | T 15 |
| F 16 | 21 35 8  | 22°31'19         | 0 <b>Υ</b> 13 | 5°27           | 7°14           | 4° 3           | 22°39          | 1°41          | 21° 1           | 6°45          | 11°45          | 18°32  | 17°27           | 11°23          | 18°29          | F 16 |
| S 17 | 21 39 4  | 23°28'59         | 13°53         | 5°54           | 8°19           | 4°41           | 22°49          | 1°49          | 21° 3           | 6°46          | 11°47          | 18°25  | 17°24           | 11°30          | 18°36          | S 17 |
| S 18 | 21 43 1  | 24°26'40         | 27°42         | 6°27           | 9°23           | 5°19           | 22°58          | 1°56          | 21° 6           | 6°48          | 11°49          | 18°19  | 17°21           | 11°37          | 18°42          | S 18 |
| M19  | 21 46 58 | 25°24'23         | 11838         | 7° 8           | 10°28          | 5°58           | 23° 7          | 2° 4          | 21° 7           | 6°50          | 11°50          | 18°17  | 17°18           | 11°43          | 18°48          | M19  |
| T 20 | 21 50 54 | 26°22'08         | 25°40         | 7°55           | 11°32          | 6°36           | 23°17          | 2°11          | 21° 9           | 6°52          | 11°52          | 18°D16 | 17°15           | 11°50          | 18°55          | T 20 |
| W21  | 21 54 51 | 27°19'55         | 9 <b>Ⅱ</b> 48 | 8°50           | 12°35          | 7°14           | 23°27          | 2°18          | 21°11           | 6°54          | 11°54          | 18°16  | 17°11           | 11°57          | 19° 1          | W21  |
| T 22 | 21 58 47 | 28°17'43         | 24° 0         | 9°52           | 13°39          | 7°52           | 23°36          | 2°25          | 21°13           | 6°55          | 11°56          | 18°R16 | 17° 8           | 12° 3          | 19°8           | T 22 |
| F 23 | 22 2 44  | 29°15'33         | 89915         | 10°59          | 14°42          | 8°31           | 23°46          | 2°33          | 21°15           | 6°57          | 11°57          | 18°15  | 17° 5           | 12°10          | 19°15          | F 23 |
| S 24 | 22 6 40  | 0 <b>m</b> 13'25 | 22°31         | 12°13          | 15°45          | 9° 9           | 23°56          | 2°40          | 21°17           | 6°59          | 11°59          | 18°11  | 17° 2           | 12°17          | 19°21          | S 24 |
| S 25 | 22 10 37 | 1°11'18          | 6 <b>Ω</b> 43 | 13°33          | 16°48          | 9°48           | 24° 6          | 2°47          | 21°18           | 7° 1          | 12° 1          | 18° 5  | 16°59           | 12°23          | 19°28          | S 25 |
| M26  | 22 14 33 | 2° 9'13          | 20°47         | 14°59          | 17°51          | 10°26          | 24°16          | 2°54          | 21°20           | 7° 3          | 12° 2          | 17°56  | 16°55           | 12°30          | 19°35          | M26  |
| T 27 | 22 18 30 | 3° 7'09          | 4 <b>m</b> 39 | 16°29          | 18°53          | 11° 5          | 24°26          | 3° 1          | 21°22           | 7° 5          | 12° 4          | 17°45  | 16°52           | 12°37          | 19°42          | T 27 |
| W28  | 22 22 27 | 4° 5'07          | 18°14         | 18° 4          | 19°55          | 11°44          | 24°37          | 3° 8          | 21°23           | 7° 7          | 12° 6          | 17°33  | 16°49           | 12°43          | 19°49          | W28  |
| T 29 | 22 26 23 | 5° 3'06          | 1 <b>≏</b> 30 | 19°42          | 20°57          | 12°22          | 24°47          | 3°15          | 21°25           | 7° 9          | 12° 7          | 17°21  | 16°46           | 12°50          | 19°56          | T 29 |
| F 30 | 22 30 20 | 6° 1'07          | 14°25         | 21°25          | 21°59          | 13° 1          | 24°58          | 3°22          | 21°26           | 7°11          | 12° 9          | 17°11  | 16°43           | 12°57          | 20° 3          | F 30 |
| S 31 | 22 34 16 | 6 <b>m</b> 59'09 | 27 <b>♀</b> 0 | 23 <b>Ω</b> 11 | 23 <b>♀</b> 0  | 13 <b>≏</b> 40 | 25 <b>♀</b> 8  | 3 <b>Ω</b> 29 | 21 <b>II</b> 28 | 7 <b>≏</b> 13 | 12 <b>Ω</b> 11 | 17耳 3  | 16 <b>Ⅱ</b> 40  | 13 <b>∡</b> 3  | 20 <b>♀</b> 10 | S 31 |

Delta T = 27.74 sec

SEPTEMBER 1946 00:00 UT

| Day  | Sid.t    | 0                | D                | ğ              | ·              | ď              | 4              | ħ             | )f(             | #             | Р               | n      | v     | ţ              | , k            | Day  |
|------|----------|------------------|------------------|----------------|----------------|----------------|----------------|---------------|-----------------|---------------|-----------------|--------|-------|----------------|----------------|------|
| S 1  | 22 38 13 | 7 <b>m</b> 57'13 | 9 <b>M</b> .17   | 24 <b>Ω</b> 59 | 24 <u>₽</u> 1  | 14 <b>Ω</b> 19 | 25 <b>₽</b> 19 | 3 <b>Ω</b> 36 | 21 <b>Ⅱ</b> 29  | 7 <b>≙</b> 15 | 12 <b>Ω</b> 12  | 16°R58 | 16耳36 | 13 <b>×</b> 10 | 20 <u>₽</u> 18 | S 1  |
| M 2  | 22 42 9  | 8°55'18          | 21°19            | 26°50          | 25° 1          | 14°58          | 25°29          | 3°43          | 21°31           | 7°17          | 12°14           | 16耳55  | 16°33 | 13°16          | 20°25          | M 2  |
| T 3  | 22 46 6  | 9°53'25          | 3 <b>∡</b> 12    | 28°42          | 26° 2          | 15°37          | 25°40          | 3°50          | 21°32           | 7°19          | 12°16           | 16°54  | 16°30 | 13°23          | 20°32          | T 3  |
| W 4  | 22 50 2  | 10°51'33         | 15° 0            | 0 <b>m</b> 36  | 27° 2          | 16°16          | 25°51          | 3°57          | 21°33           | 7°21          | 12°17           | 16°54  | 16°27 | 13°30          | 20°40          | W 4  |
| T 5  | 22 53 59 | 11°49'42         | 26°50            | 2°30           | 28° 1          | 16°56          | 26° 2          | 4° 3          | 21°34           | 7°23          | 12°19           | 16°53  | 16°24 | 13°36          | 20°47          | T 5  |
| F 6  | 22 57 56 | 12°47'53         | 8 <b>조</b> 46    | 4°26           | 29° 0          | 17°35          | 26°13          | 4°10          | 21°35           | 7°25          | 12°20           | 16°52  | 16°21 | 13°43          | 20°55          | F 6  |
| S 7  | 23 1 52  | 13°46'06         | 20°54            | 6°22           | 29°59          | 18°14          | 26°24          | 4°17          | 21°37           | 7°27          | 12°22           | 16°49  | 16°17 | 13°50          | 21° 2          | S 7  |
| S 8  | 23 5 49  | 14°44'20         | 3≈17             | 8°18           | 0 <b>M</b> .58 | 18°53          | 26°35          | 4°23          | 21°38           | 7°29          | 12°24           | 16°42  | 16°14 | 13°56          | 21°10          | S 8  |
| M 9  | 23 9 45  | 15°42'35         | 15°59            | 10°13          | 1°56           | 19°33          | 26°47          | 4°30          | 21°39           | 7°31          | 12°25           | 16°34  | 16°11 | 14° 3          | 21°17          | M 9  |
| T 10 | 23 13 42 | 16°40'52         | 29° 2            | 12° 9          | 2°54           | 20°12          | 26°58          | 4°36          | 21°40           | 7°33          | 12°27           | 16°23  | 16° 8 | 14°10          | 21°25          | T 10 |
| W11  | 23 17 38 | 17°39'11         | 12 <b>) (</b> 24 | 14° 4          | 3°51           | 20°52          | 27° 9          | 4°43          | 21°40           | 7°35          | 12°28           | 16°11  | 16° 5 | 14°16          | 21°33          | W11  |
| T 12 | 23 21 35 | 18°37'32         | 26° 4            | 15°58          | 4°48           | 21°32          | 27°21          | 4°49          | 21°41           | 7°37          | 12°30           | 15°58  | 16° 1 | 14°23          | 21°41          | T 12 |
| F 13 | 23 25 31 | 19°35'54         | 9 <b>Ƴ</b> 59    | 17°52          | 5°44           | 22°11          | 27°32          | 4°55          | 21°42           | 7°39          | 12°31           | 15°47  | 15°58 | 14°30          | 21°48          | F 13 |
| S 14 | 23 29 28 | 20°34'19         | 24° 4            | 19°45          | 6°40           | 22°51          | 27°44          | 5° 1          | 21°43           | 7°42          | 12°33           | 15°38  | 15°55 | 14°36          | 21°56          | S 14 |
| S 15 | 23 33 24 | 21°32'45         | 8 <b>8</b> 15    | 21°36          | 7°35           | 23°31          | 27°55          | 5° 8          | 21°44           | 7°44          | 12°34           | 15°31  | 15°52 | 14°43          | 22° 4          | S 15 |
| M16  | 23 37 21 | 22°31'14         | 22°27            | 23°28          | 8°30           | 24°11          | 28° 7          | 5°14          | 21°44           | 7°46          | 12°35           | 15°28  | 15°49 | 14°49          | 22°12          | M16  |
| T 17 | 23 41 18 | 23°29'45         | 6 <b>Ⅱ</b> 39    | 25°18          | 9°24           | 24°51          | 28°19          | 5°20          | 21°45           | 7°48          | 12°37           | 15°26  | 15°46 | 14°56          | 22°20          | T 17 |
| W18  | 23 45 14 | 24°28'18         | 20°47            | 27° 7          | 10°18          | 25°31          | 28°31          | 5°26          | 21°45           | 7°50          | 12°38           | 15°26  | 15°42 | 15° 3          | 22°28          | W18  |
| T 19 | 23 49 11 | 25°26'53         | 4952             | 28°55          | 11°11          | 26°11          | 28°42          | 5°32          | 21°46           | 7°52          | 12°40           | 15°26  | 15°39 | 15° 9          | 22°36          | T 19 |
| F 20 | 23 53 7  | 26°25'31         | 18°52            | 0 <b>≏</b> 42  | 12° 4          | 26°51          | 28°54          | 5°38          | 21°46           | 7°55          | 12°41           | 15°25  | 15°36 | 15°16          | 22°44          | F 20 |
| S 21 | 23 57 4  | 27°24'11         | 2 <b>Ω</b> 46    | 2°28           | 12°56          | 27°31          | 29° 6          | 5°43          | 21°47           | 7°57          | 12°42           | 15°21  | 15°33 | 15°23          | 22°52          | S 21 |
| S 22 | 0 1 0    | 28°22'53         | 16°34            | 4°13           | 13°47          | 28°11          | 29°18          | 5°49          | 21°47           | 7°59          | 12°44           | 15°14  | 15°30 | 15°29          | 23° 1          | S 22 |
| M23  | 0 4 57   | 29°21'37         | 0 Mp 12          | 5°57           | 14°38          | 28°52          | 29°30          | 5°55          | 21°47           | 8° 1          | 12°45           | 15° 5  | 15°26 | 15°36          | 23° 9          | M23  |
| T 24 | 0 8 54   | 0 <b>≏</b> 20'23 | 13°40            | 7°41           | 15°28          | 29°32          | 29°43          | 6° 0          | 21°48           | 8° 3          | 12°46           | 14°53  | 15°23 | 15°43          | 23°17          | T 24 |
| W25  | 0 12 50  | 1°19'11          | 26°55            | 9°23           | 16°18          | 0 <b>M</b> 13  | 29°55          | 6° 6          | 21°48           | 8° 6          | 12°48           | 14°41  | 15°20 | 15°49          | 23°25          | W25  |
| T 26 | 0 16 47  | 2°18'02          | 9 <b>≏</b> 54    | 11° 4          | 17° 6          | 0°53           | OM 7           | 6°11          | 21°48           | 8° 8          | 12°49           | 14°29  | 15°17 | 15°56          | 23°33          | T 26 |
| F 27 | 0 20 43  | 3°16'54          | 22°36            | 12°44          | 17°54          | 1°34           | 0°19           | 6°17          | 21°48           | 8°10          | 12°50           | 14°18  | 15°14 | 16° 3          | 23°42          | F 27 |
| S 28 | 0 24 40  | 4°15'48          | 5 <b>M</b> 3     | 14°24          | 18°41          | 2°14           | 0°32           | 6°22          | 21°R48          | 8°12          | 12°51           | 14°10  | 15°11 | 16° 9          | 23°50          | S 28 |
| S 29 | 0 28 36  | 5°14'44          | 17°15            | 16° 2          | 19°28          | 2°55           | 0°44           | 6°27          | 21°48           | 8°15          | 12°53           | 14° 4  | 15° 7 | 16°16          | 23°58          | S 29 |
| M30  | 0 32 33  | 6 <b>≏</b> 13'42 | 29 <b>IL</b> 14  | 17 <b>♀</b> 40 | 20 <b>M</b> 13 | 3M36           | 0 <b>M</b> .56 | 6 <b>Ω</b> 32 | 21 <b>II</b> 48 | 8 <b>≏</b> 17 | 12 <b>\O</b> 54 | 14耳 1  | 15Ⅱ 4 | 16 <b>₹</b> 22 | 24 <b>♀</b> 7  | M30  |

Delta T = 27.77 sec

OCTOBER 1946 00:00 UT

| Day  | Sid.t   | 0                | D              | χ+             | φ              | ♂              | 4              | ħ             | )f(             | 卉             | Р              | ß               | Ω               | Ç               | , k            | Day  |
|------|---------|------------------|----------------|----------------|----------------|----------------|----------------|---------------|-----------------|---------------|----------------|-----------------|-----------------|-----------------|----------------|------|
| T 1  | 0 36 29 | 7 <b>₽</b> 12'42 | 11 <b>×7</b> 5 | 19 <b>≙</b> 16 | 20 <b>M</b> 58 | 4 <b>M</b> .17 | 1 <b>m</b> 9   | 6 <b>Ω</b> 38 | 21°R48          | 8 <b>₾</b> 19 | 12 <b>Ω</b> 55 | 14°D 0          | 15 <b>I</b> 1   | 16 <b>×</b> 29  | 24 <b>₾</b> 15 | T 1  |
| W 2  | 0 40 26 | 8°11'43          | 22°53          | 20°52          | 21°41          | 4°57           | 1°21           | 6°43          | 21 <b>Ⅱ</b> 48  | 8°21          | 12°56          | 14 <b>I</b> I 0 | 14°58           | 16°36           | 24°24          | W 2  |
| T 3  | 0 44 22 | 9°10'46          | 4 <b>ठ</b> 41  | 22°27          | 22°24          | 5°38           | 1°34           | 6°47          | 21°47           | 8°24          | 12°57          | 14°R 0          | 14°55           | 16°42           | 24°32          | T 3  |
| F 4  | 0 48 19 | 10° 9'52         | 16°37          | 24° 1          | 23° 6          | 6°19           | 1°46           | 6°52          | 21°47           | 8°26          | 12°58          | 14° 0           | 14°52           | 16°49           | 24°41          | F 4  |
| S 5  | 0 52 16 | 11° 8'58         | 28°45          | 25°35          | 23°46          | 7° 0           | 1°59           | 6°57          | 21°47           | 8°28          | 12°59          | 13°58           | 14°48           | 16°56           | 24°49          | S 5  |
| S 6  | 0 56 12 | 12° 8'07         | 11≈10          | 27° 7          | 24°26          | 7°42           | 2°12           | 7° 2          | 21°46           | 8°30          | 13° 0          | 13°55           | 14°45           | 17° 2           | 24°58          | S 6  |
| M 7  | 1 0 9   | 13° 7'18         | 23°56          | 28°39          | 25° 4          | 8°23           | 2°24           | 7° 6          | 21°46           | 8°32          | 13° 2          | 13°48           | 14°42           | 17° 9           | 25° 6          | M 7  |
| T 8  | 1 4 5   | 14° 6'30         | 7 <b>∺</b> 6   | 0 <b>M</b> .10 | 25°41          | 9° 4           | 2°37           | 7°11          | 21°45           | 8°35          | 13° 3          | 13°40           | 14°39           | 17°16           | 25°15          | T 8  |
| W 9  | 1 8 2   | 15° 5'44         | 20°41          | 1°40           | 26°17          | 9°45           | 2°50           | 7°15          | 21°45           | 8°37          | 13° 4          | 13°31           | 14°36           | 17°22           | 25°23          | W 9  |
| T 10 | 1 11 58 | 16° 5'00         | <b>4Υ</b> 39   | 3°10           | 26°52          | 10°27          | 3° 3           | 7°20          | 21°44           | 8°39          | 13° 4          | 13°21           | 14°32           | 17°29           | 25°32          | T 10 |
| F 11 | 1 15 55 | 17° 4'17         | 18°56          | 4°38           | 27°25          | 11° 8          | 3°15           | 7°24          | 21°44           | 8°41          | 13° 5          | 13°12           | 14°29           | 17°36           | 25°40          | F 11 |
| S 12 | 1 19 51 | 18° 3'37         | 3 <b>8</b> 26  | 6° 6           | 27°57          | 11°50          | 3°28           | 7°28          | 21°43           | 8°44          | 13° 6          | 13° 5           | 14°26           | 17°42           | 25°49          | S 12 |
| S 13 | 1 23 48 | 19° 3'00         | 18° 3          | 7°33           | 28°27          | 12°31          | 3°41           | 7°32          | 21°42           | 8°46          | 13° 7          | 13° 0           | 14°23           | 17°49           | 25°57          | S 13 |
| M14  | 1 27 45 | 20° 2'24         | 2∏40           | 8°59           | 28°56          | 13°13          | 3°54           | 7°36          | 21°41           | 8°48          | 13° 8          | 12°58           | 14°20           | 17°56           | 26° 6          | M14  |
| T 15 | 1 31 41 | 21° 1'51         | 17°12          | 10°25          | 29°23          | 13°54          | 4° 7           | 7°40          | 21°40           | 8°50          | 13° 9          | 12°D57          | 14°17           | 18° 2           | 26°15          | T 15 |
| W16  | 1 35 38 | 22° 1'20         | 19533          | 11°49          | 29°49          | 14°36          | 4°20           | 7°44          | 21°40           | 8°52          | 13°10          | 12°58           | 14°13           | 18° 9           | 26°23          | W16  |
| T 17 | 1 39 34 | 23° 0'51         | 15°43          | 13°13          | 0 <b>才</b> 13  | 15°18          | 4°33           | 7°48          | 21°39           | 8°55          | 13°11          | 12°59           | 14°10           | 18°15           | 26°32          | T 17 |
| F 18 | 1 43 31 | 24° 0'25         | 29°40          | 14°35          | 0°35           | 16° 0          | 4°46           | 7°51          | 21°38           | 8°57          | 13°11          | 12°R59          | 14° 7           | 18°22           | 26°41          | F 18 |
| S 19 | 1 47 27 | 25° 0'01         | 13 <b>N</b> 23 | 15°57          | 0°56           | 16°42          | 4°59           | 7°55          | 21°37           | 8°59          | 13°12          | 12°58           | 14° 4           | 18°29           | 26°49          | S 19 |
| S 20 | 1 51 24 | 25°59'39         | 26°53          | 17°18          | 1°15           | 17°24          | 5°12           | 7°58          | 21°35           | 9° 1          | 13°13          | 12°54           | 14° 1           | 18°35           | 26°58          | S 20 |
| M21  | 1 55 20 | 26°59'19         | 10 <b>m</b> 10 | 18°38          | 1°31           | 18° 6          | 5°25           | 8° 2          | 21°34           | 9° 3          | 13°14          | 12°48           | 13°58           | 18°42           | 27° 6          | M21  |
| T 22 | 1 59 17 | 27°59'02         | 23°15          | 19°56          | 1°46           | 18°48          | 5°38           | 8° 5          | 21°33           | 9° 5          | 13°14          | 12°41           | 13°54           | 18°49           | 27°15          | T 22 |
| W23  | 2 3 14  | 28°58'47         | 6 <b>º</b> 7   | 21°13          | 1°59           | 19°30          | 5°51           | 8° 8          | 21°32           | 9° 7          | 13°15          | 12°33           | 13°51           | 18°55           | 27°24          | W23  |
| T 24 | 2 7 10  | 29°58'34         | 18°45          | 22°29          | 2° 9           | 20°12          | 6° 4           | 8°11          | 21°31           | 9°10          | 13°15          | 12°25           | 13°48           | 19° 2           | 27°32          | T 24 |
| F 25 | 2 11 7  | 0M58'23          | 1 <b>M</b> .12 | 23°44          | 2°18           | 20°55          | 6°17           | 8°14          | 21°29           | 9°12          | 13°16          | 12°18           | 13°45           | 19° 9           | 27°41          | F 25 |
| S 26 | 2 15 3  | 1°58'13          | 13°26          | 24°57          | 2°24           | 21°37          | 6°30           | 8°17          | 21°28           | 9°14          | 13°17          | 12°13           | 13°42           | 19°15           | 27°50          | S 26 |
| S 27 | 2 19 0  | 2°58'06          | 25°30          | 26° 8          | 2°28           | 22°19          | 6°43           | 8°20          | 21°27           | 9°16          | 13°17          | 12° 9           | 13°38           | 19°22           | 27°58          | S 27 |
| M28  | 2 22 56 | 3°58'01          | 7 <b>.₹</b> 24 | 27°18          | 2°R30          | 23° 2          | 6°57           | 8°22          | 21°25           | 9°18          | 13°18          | 12°D 8          | 13°35           | 19°29           | 28° 7          | M28  |
| T 29 | 2 26 53 | 4°57'57          | 1 <u>9</u> °13 | 28°25          | 2°29           | 23°45          | 7°10           | 8°25          | 21°24           | 9°20          | 13°18          | 12° 8           | 13°32           | 19°35           | 28°15          | T 29 |
| W30  | 2 30 49 | 5°57'56          | 0 <b>조</b> 59  | 29°30          | 2°26           | 24°27          | 7°23           | 8°27          | 21°22           | 9°22          | 13°19          | 12° 9           | 13°29           | 19°42           | 28°24          | W30  |
| T 31 | 2 34 46 | 6M57'56          | 12 <b>る</b> 47 | 0 <b>∡</b> 33  | 2 <b>₹</b> 20  | 25 <b>M</b> 10 | 7 <b>M</b> .36 | 8 <b>Ω</b> 30 | 21 <b>II</b> 20 | 9 <b>ჲ</b> 24 | 13 <b>Ω</b> 19 | 12 <b>I</b> I1  | 13 <b>II</b> 26 | 19 <b>.7</b> 48 | 28 <b>≏</b> 33 | T 31 |

Delta T = 27.80 sec

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| Day          | Sid.t              | 0                             | D                       | ğ              | Q               | ð                      | 4              | ħ             | )∤(             | ¥              | В              | P               | v               | Ç               | Q<br>K         | Day          |
|--------------|--------------------|-------------------------------|-------------------------|----------------|-----------------|------------------------|----------------|---------------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|--------------|
| F 1          | 2 38 43            | 7 <b>M</b> 57'57              | 24 <b>궁</b> 41          | 1 <b>₹</b> 32  | 2°R12           | 25 <b>M</b> 53         | 7 <b>M</b> .49 | 8 <b>Ω</b> 32 | 21°R19          | 9 <b>ჲ</b> 26  | 13 <b>Ω</b> 19 | 12 <b>Ⅱ</b> 12  | 13 <b>Ⅱ</b> 23  | 19 <b>×7</b> 55 | 28 <b>≏</b> 41 | F 1          |
| S 2          | 2 42 39            | 8°58'00                       | 6≈47                    | 2°29           | 2 <b>₹</b> 2    | 26°35                  | 8° 2           | 8°34          | 21 <b>I</b> I17 | 9°28           | 13°20          | 12°R13          | 13°19           | 20° 2           | 28°50          | S 2          |
| S 3          | 2 46 36            | 9°58'05                       | 19° 9                   | 3°22           | 1°49            | 27°18                  | 8°15           | 8°36          | 21°15           | 9°30           | 13°20          | 12°13           | 13°16           | 20° 8           | 28°58          | S 3          |
| M 4          | 2 50 32            | 10°58'11                      | 1 <b>)</b> 52           | 4°11           | 1°34            | 28° 1                  | 8°29           | 8°38          | 21°14           | 9°32           | 13°20          | 12°11           | 13°13           | 20°15           | 29° 7          | M 4          |
| T 5          | 2 54 29            | 11°58'19                      | 15° 0                   | 4°55           | 1°16            | 28°44                  | 8°42           | 8°40          | 21°12           | 9°34           | 13°21          | 12° 8           | 13°10           | 20°22           | 29°15          | T 5          |
| W 6          | 2 58 25            | 12°58'29<br>13°58'39          | 28°35<br>12 <b>°</b> 37 | 5°35<br>6°10   | 0°56<br>0°34    | 29°27<br>0 <b>/</b> 10 | 8°55<br>9°8    | 8°41<br>8°43  | 21°10<br>21° 8  | 9°36<br>9°38   | 13°21<br>13°21 | 12° 4<br>11°59  | 13° 7<br>13° 3  | 20°28<br>20°35  | 29°24<br>29°32 | W 6<br>T 7   |
| T 7<br>F 8   | 3 2 22<br>3 6 18   | 13°58'59<br>14°58'52          | 27° 4                   | 6°38           | 0°34<br>0°10    | 0°53                   | 9° 8           | 8°43          | 21° 8           | 9°38<br>9°40   | 13°21          | 11°55           | 13° 3           | 20°33<br>20°42  | 29°32<br>29°41 | F 8          |
| S 9          | 3 10 15            | 14 38 32<br>15°59'06          | 11850                   | 6°59           | 29 <b>M</b> .43 | 1°36                   | 9°34           | 8°46          | 21° 4           | 9°40<br>9°42   | 13°21          | 11°52           | 13 0<br>12°57   | 20°48           | 29°49          | F 8          |
|              |                    |                               | _                       |                |                 |                        |                |               |                 | -              |                | -               |                 |                 |                |              |
| S 10<br>M11  | 3 14 12<br>3 18 8  | 16°59'22<br>17°59'40          | 26°48<br>11 <b>Ⅲ</b> 49 | 7°13<br>7°R19  | 29°15<br>28°45  | 2°20<br>3° 3           | 9°47<br>10° 0  | 8°47<br>8°48  | 21° 2<br>21° 0  | 9°44<br>9°46   | 13°22<br>13°22 | 11°50<br>11°D50 | 12°54<br>12°51  | 20°55<br>21° 2  | 29°57<br>0ML 6 | S 10<br>M11  |
| T 12         | 3 22 5             | 17 39 40<br>19° 0'00          | 26°45                   | 7°17           | 28°13           | 3°46                   | 10° 0          | 8°49          | 20°58           | 9°47           | 13°22          | 11°50           | 12°48           | 21° 8           | 0°14           | T 12         |
| W13          | 3 26 1             | 20° 0'21                      | 119529                  | 7° 5           | 27°40           | 4°30                   | 10°13          | 8°50          | 20°56           | 9°49           | 13°22          | 11°51           | 12°44           | 21°15           | 0°23           | W13          |
| T 14         | 3 29 58            | 21° 0'45                      | 25°55                   | 6°42           | 27° 6           | 5°13                   | 10°40          | 8°51          | 20°54           | 9°51           | 13°22          | 11°53           | 12°41           | 21°22           | 0°31           | T 14         |
| F 15         | 3 33 54            | 22° 1'10                      | 10 <b>Ω</b> 1           | 6°10           | 26°31           | 5°57                   | 10°53          | 8°52          | 20°52           | 9°53           | 13°R22         | 11°54           | 12°38           | 21°28           | 0°39           | F 15         |
| S 16         | 3 37 51            | 23° 1'38                      | 23°46                   | 5°28           | 25°55           | 6°40                   | 11° 6          | 8°52          | 20°50           | 9°55           | 13°22          | 11°R54          | 12°35           | 21°35           | 0°47           | S 16         |
| S 17         | 3 41 47            | 24° 2'07                      | 7 <b>m</b> )11          | 4°35           | 25°19           | 7°24                   | 11°19          | 8°53          | 20°48           | 9°56           | 13°22          | 11°54           | 12°32           | 21°41           | 0°56           | S 17         |
| M18          | 3 45 44            | 25° 2'38                      | 20°16                   | 3°33           | 24°43           | 8° 8                   | 11°32          | 8°53          | 20°46           | 9°58           | 13°22          | 11°52           | 12°29           | 21°48           | 1° 4           | M18          |
| T 19         | 3 49 41            | 26° 3'10                      | 3 <b>₾</b> 4            | 2°24           | 24° 6           | 8°52                   | 11°45          | 8°53          | 20°43           | 10° 0          | 13°22          | 11°50           | 12°25           | 21°55           | 1°12           | T 19         |
| W20          | 3 53 37            | 27° 3'45                      | 15°38                   | 1° 7           | 23°30           | 9°35                   | 11°57          | 8°53          | 20°41           | 10° 1          | 13°22          | 11°48           | 12°22           | 22° 1           | 1°20           | W20          |
| T 21         | 3 57 34            | 28° 4'21                      | 27°59                   | 29 <b>M</b> 47 | 22°54           | 10°19                  | 12°10          | 8°R53         | 20°39           | 10° 3          | 13°22          | 11°46           | 12°19           | 22° 8           | 1°28           | T 21         |
| F 22<br>S 23 | 4 1 30<br>4 5 27   | 29° 4'59<br>0 <b>×</b> 7 5'38 | 10M 9                   | 28°26<br>27° 5 | 22°20<br>21°46  | 11° 3<br>11°47         | 12°23<br>12°36 | 8°53<br>8°53  | 20°37<br>20°34  | 10° 5<br>10° 6 | 13°21<br>13°21 | 11°44<br>11°43  | 12°16<br>12°13  | 22°15<br>22°21  | 1°36<br>1°44   | F 22<br>S 23 |
|              |                    |                               | 22°11                   |                |                 |                        |                |               |                 |                |                | _               |                 |                 |                |              |
| S 24         | 4 9 23             | 1° 6'19                       | 4 <b>₹</b> 6            | 25°49          | 21°13           | 12°31                  | 12°49          | 8°53          | 20°32           | 10° 8          | 13°21          | 11°42           | 12° 9           | 22°28           | 1°52           | S 24         |
| M25          | 4 13 20            | 2° 7'01                       | 15°56                   | 24°38          | 20°42           | 13°15                  | 13° 2          | 8°52          | 20°29           | 10° 9          | 13°21          | 11°D42          | 12° 6           | 22°35           | 2° 0           | M25          |
| T 26<br>W27  | 4 17 16<br>4 21 13 | 3° 7'45<br>4° 8'30            | 27°43<br>9 <b>⋜</b> 30  | 23°36<br>22°44 | 20°13<br>19°45  | 14° 0<br>14°44         | 13°15<br>13°27 | 8°52<br>8°51  | 20°27<br>20°25  | 10°11<br>10°12 | 13°20<br>13°20 | 11°42<br>11°43  | 12° 3<br>12° 0  | 22°41<br>22°48  | 2° 8<br>2°16   | T 26<br>W27  |
| T 28         | 4 21 13 4 25 10    | 5° 9'15                       | 21°19                   | 22°44<br>22° 3 | 19°43           | 14°44<br>15°28         | 13°40          | 8°50          | 20°23<br>20°22  | 10°12<br>10°14 | 13°20<br>13°20 | 11°43           | 11°57           | 22°48<br>22°55  | 2°24           | T 28         |
| F 29         | 4 23 10            | 6°10'03                       | 21 19<br>3 <b>≈</b> 15  | 21°34          | 19 19<br>18°55  | 15 28<br>16°12         | 13°53          | 8°49          | 20°22<br>20°20  | 10°14          | 13°19          | 11°44           | 11°54           | 22° 33° 1       | 2°24<br>2°31   | F 29         |
| S 30         | 4 33 3             | 7 <b>₹</b> 10'51              | 15 <b>≈</b> 20          | 21M16          | 18 <b>M</b> .34 | 16 12 16 <b>%</b> 57   | 14 <b>M</b> 5  | 8 <b>Ω</b> 48 | 20 <b>I</b> 17  | 10 <b>₽</b> 17 | 13 <b>Ω</b> 19 | 11 <b>II</b> 45 | 11 <b>II</b> 50 | 23 🗾 8          | 2M39           | S 30         |

Delta T = 27.83 sec

DECEMBER 1946 00:00 UT

| Day  | Sid.t   | $\odot$          | D              | ğ               | φ              | ♂               | 4               | ħ            | )f(             | ¥              | В              | v              | Ω              | Ç              | Š             | Day  |
|------|---------|------------------|----------------|-----------------|----------------|-----------------|-----------------|--------------|-----------------|----------------|----------------|----------------|----------------|----------------|---------------|------|
| S 1  | 4 36 59 | 8 <b>∡</b> 11'39 |                | 21°D 9          | 18°R15         | 17 <b>,7</b> 41 | 14 <b>M</b> L18 | 8°R47        | 20°R15          | 10 <b>≏</b> 18 | 13°R19         | 11 <b>Ⅱ</b> 45 | 11 <b>Ⅱ</b> 47 | 23 <b>×</b> 15 | 2 <b>M</b> 47 | S 1  |
| M 2  | 4 40 56 | 9°12'29          | 10 <b>∺</b> 17 | 21 <b>m</b> .14 | 17 <b>M</b> 58 | 18°26           | 14°31           | $8\Omega$ 46 | 20 <b>Ⅱ</b> 12  | 10°19          | 13 <b>Ω</b> 18 | 11°R45         | 11°44          | 23°21          | 2°54          | M 2  |
| T 3  | 4 44 52 | 10°13'20         | 23°18          | 21°28           | 17°43          | 19°10           | 14°43           | 8°45         | 20°10           | 10°21          | 13°18          | 11°45          | 11°41          | 23°28          | 3° 2          | T 3  |
| W 4  | 4 48 49 | 11°14'11         | 6 <b>Ƴ</b> 43  | 21°51           | 17°31          | 19°55           | 14°56           | 8°43         | 20° 7           | 10°22          | 13°17          | 11°D45         | 11°38          | 23°34          | 3° 9          | W 4  |
| T 5  | 4 52 45 | 12°15'04         | 20°36          | 22°22           | 17°21          | 20°40           | 15° 8           | 8°42         | 20° 5           | 10°23          | 13°17          | 11°45          | 11°35          | 23°41          | 3°17          | T 5  |
| F 6  | 4 56 42 | 13°15'57         | 4 <b>8</b> 57  | 23° 1           | 17°14          | 21°24           | 15°20           | 8°40         | 20° 2           | 10°25          | 13°16          | 11°45          | 11°31          | 23°48          | 3°24          | F 6  |
| S 7  | 5 0 39  | 14°16'51         | 19°41          | 23°47           | 17° 9          | 22° 9           | 15°33           | 8°38         | 20° 0           | 10°26          | 13°15          | 11°45          | 11°28          | 23°54          | 3°31          | S 7  |
| S 8  | 5 4 35  | 15°17'46         | 4∏44           | 24°38           | 17°D 7         | 22°54           | 15°45           | 8°37         | 19°57           | 10°27          | 13°15          | 11°R46         | 11°25          | 24° 1          | 3°39          | S 8  |
| M 9  | 5 8 32  | 16°18'42         | 19°57          | 25°35           | 17° 7          | 23°39           | 15°57           | 8°35         | 19°55           | 10°28          | 13°14          | 11°46          | 11°22          | 24° 8          | 3°46          | M 9  |
| T 10 | 5 12 28 | 17°19'38         | 59911          | 26°36           | 17°10          | 24°24           | 16° 9           | 8°33         | 19°52           | 10°29          | 13°14          | 11°45          | 11°19          | 24°14          | 3°53          | T 10 |
| W11  | 5 16 25 | 18°20'36         | 20°15          | 27°40           | 17°15          | 25° 9           | 16°22           | 8°30         | 19°50           | 10°30          | 13°13          | 11°45          | 11°15          | 24°21          | 4° 0          | W11  |
| T 12 | 5 20 21 | 19°21'35         | 5 <b>Ω</b> 2   | 28°49           | 17°23          | 25°54           | 16°34           | 8°28         | 19°47           | 10°31          | 13°12          | 11°44          | 11°12          | 24°28          | 4° 7          | T 12 |
| F 13 | 5 24 18 | 20°22'35         | 19°25          | 29°59           | 17°32          | 26°39           | 16°46           | 8°26         | 19°44           | 10°33          | 13°11          | 11°43          | 11° 9          | 24°34          | 4°14          | F 13 |
| S 14 | 5 28 15 | 21°23'36         | 3 <b>m</b> 22  | 1 <b>才</b> 14   | 17°44          | 27°24           | 16°58           | 8°23         | 19°42           | 10°34          | 13°11          | 11°42          | 11° 6          | 24°41          | 4°21          | S 14 |
| S 15 | 5 32 11 | 22°24'38         | 16°51          | 2°30            | 17°58          | 28° 9           | 17°10           | 8°21         | 19°39           | 10°34          | 13°10          | 11°D42         | 11° 3          | 24°48          | 4°28          | S 15 |
| M16  | 5 36 8  | 23°25'40         | 29°56          | 3°48            | 18°15          | 28°54           | 17°21           | 8°18         | 19°37           | 10°35          | 13° 9          | 11°42          | 11° 0          | 24°54          | 4°35          | M16  |
| T 17 | 5 40 4  | 24°26'44         | 12 <b>≏</b> 39 | 5° 7            | 18°33          | 29°39           | 17°33           | 8°15         | 19°34           | 10°36          | 13° 8          | 11°42          | 10°56          | 25° 1          | 4°41          | T 17 |
| W18  | 5 44 1  | 25°27'49         | 25° 3          | 6°28            | 18°53          | 0 <b>궁</b> 25   | 17°45           | 8°12         | 19°32           | 10°37          | 13° 7          | 11°43          | 10°53          | 25° 8          | 4°48          | W18  |
| T 19 | 5 47 57 | 26°28'54         | 7 <b>M</b> ₊13 | 7°51            | 19°16          | 1°10            | 17°57           | 8° 9         | 19°29           | 10°38          | 13° 7          | 11°45          | 10°50          | 25°14          | 4°55          | T 19 |
| F 20 | 5 51 54 | 27°30'01         | 19°12          | 9°14            | 19°40          | 1°55            | 18° 8           | 8° 6         | 19°27           | 10°39          | 13° 6          | 11°46          | 10°47          | 25°21          | 5° 1          | F 20 |
| S 21 | 5 55 50 | 28°31'08         | 1 <b>才</b> 5   | 10°39           | 20° 6          | 2°41            | 18°20           | 8° 3         | 19°24           | 10°40          | 13° 5          | 11°47          | 10°44          | 25°28          | 5° 8          | S 21 |
| S 22 | 5 59 47 | 29°32'16         | 12°53          | 12° 4           | 20°33          | 3°26            | 18°31           | 8° 0         | 19°22           | 10°40          | 13° 4          | 11°R48         | 10°41          | 25°34          | 5°14          | S 22 |
| M23  | 6 3 44  | 0る33'24          | 24°41          | 13°30           | 21° 2          | 4°12            | 18°43           | 7°57         | 19°19           | 10°41          | 13° 3          | 11°47          | 10°37          | 25°41          | 5°20          | M23  |
| T 24 | 6 7 40  | 1°34'33          | 6 <b>3</b> 29  | 14°57           | 21°33          | 4°58            | 18°54           | 7°53         | 19°17           | 10°42          | 13° 2          | 11°45          | 10°34          | 25°47          | 5°26          | T 24 |
| W25  | 6 11 37 | 2°35'42          | 18°19          | 16°25           | 22° 6          | 5°43            | 19° 5           | 7°50         | 19°14           | 10°42          | 13° 1          | 11°43          | 10°31          | 25°54          | 5°32          | W25  |
| T 26 | 6 15 33 | 3°36'52          | 0≈15           | 17°53           | 22°39          | 6°29            | 19°16           | 7°46         | 19°12           | 10°43          | 13° 0          | 11°39          | 10°28          | 26° 1          | 5°39          | T 26 |
| F 27 | 6 19 30 | 4°38'01          | 12°18          | 19°21           | 23°15          | 7°15            | 19°27           | 7°43         | 19° 9           | 10°44          | 12°59          | 11°35          | 10°25          | 26° 7          | 5°44          | F 27 |
| S 28 | 6 23 26 | 5°39'11          | 24°30          | 20°50           | 23°51          | 8° 0            | 19°38           | 7°39         | 19° 7           | 10°44          | 12°58          | 11°31          | 10°21          | 26°14          | 5°50          | S 28 |
| S 29 | 6 27 23 | 6°40'21          | 6 <b>¥</b> 53  | 22°20           | 24°29          | 8°46            | 19°49           | 7°35         | 19° 4           | 10°45          | 12°57          | 11°27          | 10°18          | 26°21          | 5°56          | S 29 |
| M30  | 6 31 19 | 7°41'30          | 19°31          | 23°50           | 25° 8          | 9°32            | 20° 0           | 7°31         | 19° 2           | 10°45          | 12°56          | 11°25          | 10°15          | 26°27          | 6° 2          | M30  |
| T 31 | 6 35 16 | 8 <b>궁</b> 42'40 | 2 <b>Υ</b> 26  | 25 <b>×</b> 20  | 25 <b>M</b> 49 | 10 <b>궁</b> 18  | 20 <b>M</b> 11  | $7\Omega$ 27 | 19 <b>I</b> I 0 | 10 <b>≏</b> 46 | 12 <b>N</b> 55 | 11 <b>Ⅱ</b> 24 | 10 <b>Ⅱ</b> 12 | 26 <b>×</b> 34 | 6M 7          | T 31 |

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| Day  | Sid.t   | 0                 | D              | ğ               | ·              | ð     | 4              | ħ            | )ұ(            | ¥              | В              | ß              | ದಿ    | Ç               | ę,             | Day  |
|------|---------|-------------------|----------------|-----------------|----------------|-------|----------------|--------------|----------------|----------------|----------------|----------------|-------|-----------------|----------------|------|
| W 1  | 6 39 13 | 9 <b>ප්</b> 43'49 | 15 <b>Y</b> 43 | 26 <b>×</b> 351 | 26M30          | 11る 4 | 20 <b>M</b> 22 | 7°R23        | 18°R57         | 10 <b>≏</b> 46 | 12°R53         | 11°D24         | 10耳 9 | 26 <b>×</b> 741 | 6 <b>M</b> 13  | W 1  |
| T 2  | 6 43 9  | 10°44'58          | 29°22          | 28°22           | 27°13          | 11°50 | 20°32          | $7\Omega$ 19 | 18 <b>Ⅲ</b> 55 | 10°46          | 12 <b>Ω</b> 52 | 11 <b>Ⅲ</b> 25 | 10° 6 | 26°47           | 6°18           | T 2  |
| F 3  | 6 47 6  | 11°46'07          | 13 <b>8</b> 26 | 29°53           | 27°57          | 12°36 | 20°43          | 7°15         | 18°53          | 10°47          | 12°51          | 11°26          | 10° 2 | 26°54           | 6°24           | F 3  |
| S 4  | 6 51 2  | 12°47'16          | 27°54          | 1 <b>る</b> 25   | 28°42          | 13°22 | 20°53          | 7°11         | 18°50          | 10°47          | 12°50          | 11°27          | 9°59  | 27° 1           | 6°29           | S 4  |
| S 5  | 6 54 59 | 13°48'24          | 12∏43          | 2°57            | 29°27          | 14° 8 | 21° 3          | 7° 6         | 18°48          | 10°47          | 12°49          | 11°R28         | 9°56  | 27° 7           | 6°34           | S 5  |
| M 6  | 6 58 55 | 14°49'33          | 27°49          | 4°30            | 0 <b>才</b> 14  | 14°54 | 21°14          | 7° 2         | 18°46          | 10°48          | 12°48          | 11°27          | 9°53  | 27°14           | 6°39           | M 6  |
| T 7  | 7 2 52  | 15°50'41          | 1399 1         | 6° 3            | 1° 2           | 15°40 | 21°24          | 6°58         | 18°44          | 10°48          | 12°46          | 11°24          | 9°50  | 27°21           | 6°44           | T 7  |
| W 8  | 7 6 48  | 16°51'49          | 28°11          | 7°36            | 1°50           | 16°26 | 21°34          | 6°53         | 18°41          | 10°48          | 12°45          | 11°20          | 9°47  | 27°27           | 6°49           | W 8  |
| T 9  | 7 10 45 | 17°52'56          | 13 <b>N</b> 9  | 9°10            | 2°40           | 17°13 | 21°44          | 6°49         | 18°39          | 10°48          | 12°44          | 11°15          | 9°43  | 27°34           | 6°54           | T 9  |
| F 10 | 7 14 42 | 18°54'04          | 27°46          | 10°44           | 3°30           | 17°59 | 21°53          | 6°44         | 18°37          | 10°48          | 12°43          | 11° 9          | 9°40  | 27°41           | 6°59           | F 10 |
| S 11 | 7 18 38 | 19°55'11          | 11 <b>m</b> 56 | 12°19           | 4°21           | 18°45 | 22° 3          | 6°40         | 18°35          | 10°48          | 12°41          | 11° 3          | 9°37  | 27°47           | 7° 4           | S 11 |
| S 12 | 7 22 35 | 20°56'19          | 25°36          | 13°54           | 5°13           | 19°32 | 22°13          | 6°35         | 18°33          | 10°48          | 12°40          | 10°59          | 9°34  | 27°54           | 7° 8           | S 12 |
| M13  | 7 26 31 | 21°57'26          | 8 <b>≏</b> 48  | 15°30           | 6° 6           | 20°18 | 22°22          | 6°31         | 18°31          | 10°R48         | 12°39          | 10°56          | 9°31  | 28° 0           | 7°13           | M13  |
| T 14 | 7 30 28 | 22°58'33          | 21°34          | 17° 6           | 6°59           | 21° 4 | 22°32          | 6°26         | 18°29          | 10°48          | 12°38          | 10°D55         | 9°27  | 28° 7           | 7°17           | T 14 |
| W15  | 7 34 24 | 23°59'40          | 3 <b>M</b> .58 | 18°42           | 7°53           | 21°51 | 22°41          | 6°21         | 18°27          | 10°48          | 12°36          | 10°55          | 9°24  | 28°14           | 7°21           | W15  |
| T 16 | 7 38 21 | 25° 0'47          | 16° 5          | 20°19           | 8°47           | 22°37 | 22°50          | 6°16         | 18°25          | 10°48          | 12°35          | 10°57          | 9°21  | 28°20           | 7°25           | T 16 |
| F 17 | 7 42 17 | 26° 1'54          | 28° 0          | 21°57           | 9°42           | 23°24 | 22°59          | 6°12         | 18°23          | 10°48          | 12°34          | 10°58          | 9°18  | 28°27           | 7°29           | F 17 |
| S 18 | 7 46 14 | 27° 3'01          | 9 <b>∡</b> 748 | 23°35           | 10°38          | 24°10 | 23° 8          | 6° 7         | 18°21          | 10°48          | 12°32          | 10°R59         | 9°15  | 28°34           | 7°33           | S 18 |
| S 19 | 7 50 11 | 28° 4'07          | 21°34          | 25°13           | 11°34          | 24°57 | 23°17          | 6° 2         | 18°20          | 10°48          | 12°31          | 10°58          | 9°12  | 28°40           | 7°37           | S 19 |
| M20  | 7 54 7  | 29° 5'13          | 3 <b>ට</b> 21  | 26°52           | 12°31          | 25°44 | 23°26          | 5°57         | 18°18          | 10°47          | 12°30          | 10°56          | 9° 8  | 28°47           | 7°41           | M20  |
| T 21 | 7 58 4  | 0≈ 6'18           | 15°13          | 28°32           | 13°29          | 26°30 | 23°34          | 5°52         | 18°16          | 10°47          | 12°28          | 10°50          | 9° 5  | 28°54           | 7°44           | T 21 |
| W22  | 8 2 0   | 1° 7'23           | 27°11          | 0≈12            | 14°27          | 27°17 | 23°43          | 5°47         | 18°14          | 10°47          | 12°27          | 10°43          | 9° 2  | 29° 0           | 7°48           | W22  |
| T 23 | 8 5 57  | 2° 8'27           | 9≈17           | 1°53            | 15°25          | 28° 4 | 23°51          | 5°42         | 18°13          | 10°47          | 12°25          | 10°33          | 8°59  | 29° 7           | 7°51           | T 23 |
| F 24 | 8 9 53  | 3° 9'30           | 21°32          | 3°34            | 16°24          | 28°50 | 23°59          | 5°37         | 18°11          | 10°46          | 12°24          | 10°23          | 8°56  | 29°14           | 7°55           | F 24 |
| S 25 | 8 13 50 | 4°10'32           | 3 <b>∺</b> 58  | 5°16            | 17°23          | 29°37 | 24° 7          | 5°32         | 18°10          | 10°46          | 12°23          | 10°12          | 8°53  | 29°20           | 7°58           | S 25 |
| S 26 | 8 17 46 | 5°11'33           | 16°34          | 6°59            | 18°23          | 0≈24  | 24°15          | 5°28         | 18° 8          | 10°45          | 12°21          | 10° 3          | 8°49  | 29°27           | 8° 1           | S 26 |
| M27  | 8 21 43 | 6°12'33           | 29°22          | 8°42            | 19°23          | 1°11  | 24°23          | 5°23         | 18° 7          | 10°45          | 12°20          | 9°55           | 8°46  | 29°34           | 8° 4           | M27  |
| T 28 | 8 25 40 | 7°13'32           | 12 <b>Y</b> 23 | 10°26           | 20°24          | 1°58  | 24°31          | 5°18         | 18° 5          | 10°44          | 12°18          | 9°50           | 8°43  | 29°40           | 8° 7           | T 28 |
| W29  | 8 29 36 | 8°14'30           | 25°39          | 12°10           | 21°25          | 2°44  | 24°38          | 5°13         | 18° 4          | 10°44          | 12°17          | 9°47           | 8°40  | 29°47           | 8° 9           | W29  |
| T 30 | 8 33 33 | 9°15'27           | 9812           | 13°55           | 22°26          | 3°31  | 24°46          | 5° 8         | 18° 2          | 10°43          | 12°16          | 9°D46          | 8°37  | 29°54           | 8°12           | T 30 |
| F 31 | 8 37 29 | 10≈16'23          | 238 2          | 15 <b>≈</b> 41  | 23 <b>×</b> 28 | 4≈18  | 24M53          | 5 <b>Ω</b> 3 | 18耳 1          | 10 <b>≏</b> 43 | 12 <b>Ω</b> 14 | 9∏46           | 8耳33  | 0 중 0           | 8 <b>M</b> .15 | F 31 |

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| Day  | Sid.t    | 0                  | D              | ğ             | φ              | ♂     | 4              | ħ             | )f(             | 卉              | В              | 'n            | v             | Ç    | ç              | Day  |
|------|----------|--------------------|----------------|---------------|----------------|-------|----------------|---------------|-----------------|----------------|----------------|---------------|---------------|------|----------------|------|
| S 1  | 8 41 26  | 11≈17'17           | 7 <b>Ⅱ</b> 12  | 17≈27         | 24 <b>×</b> 30 | 5≈ 5  | 25 <b>M</b> 0  | 4°R58         | 18°R 0          | 10°R42         | 12°R13         | 9°R47         | 8Д30          | 0중 7 | 8 <b>M</b> .17 | S 1  |
| S 2  | 8 45 22  | 12°18'10           | 21°40          | 19°13         | 25°32          | 5°52  | 25° 7          | 4 <b>Ω</b> 53 | 17 <b>II</b> 59 | 10 <b>≏</b> 41 | 12 <b>Ω</b> 11 | 9∏46          | 8°27          | 0°14 | 8°19           | S 2  |
| M 3  | 8 49 19  | 13°19'01           | 6923           | 20°59         | 26°35          | 6°39  | 25°14          | 4°48          | 17°57           | 10°41          | 12°10          | 9°44          | 8°24          | 0°20 | 8°21           | M 3  |
| T 4  | 8 53 16  | 14°19'52           | 21°16          | 22°46         | 27°38          | 7°26  | 25°21          | 4°44          | 17°56           | 10°40          | 12° 9          | 9°38          | 8°21          | 0°27 | 8°24           | T 4  |
| W 5  | 8 57 12  | 15°20'41           | 6 <b>Ω</b> 12  | 24°33         | 28°41          | 8°13  | 25°27          | 4°39          | 17°55           | 10°39          | 12° 7          | 9°30          | 8°18          | 0°34 | 8°25           | W 5  |
| T 6  | 9 1 9    | 16°21'28           | 21° 2          | 26°20         | 29°45          | 9° 0  | 25°34          | 4°34          | 17°54           | 10°38          | 12° 6          | 9°20          | 8°14          | 0°40 | 8°27           | T 6  |
| F 7  | 9 5 5    | 17°22'15           | 5 <b>m</b> 37  | 28° 7         | 0 <b>궁</b> 49  | 9°47  | 25°40          | 4°29          | 17°53           | 10°38          | 12° 4          | 9° 9          | 8°11          | 0°47 | 8°29           | F 7  |
| S 8  | 9 9 2    | 18°23'00           | 19°50          | 29°53         | 1°53           | 10°34 | 25°46          | 4°24          | 17°52           | 10°37          | 12° 3          | 8°59          | 8° 8          | 0°54 | 8°31           | S 8  |
| S 9  | 9 12 58  | 19°23'44           | 3 <b>₾</b> 36  | 1 <b>∺</b> 39 | 2°57           | 11°21 | 25°52          | 4°20          | 17°51           | 10°36          | 12° 2          | 8°49          | 8° 5          | 1° 0 | 8°32           | S 9  |
| M10  | 9 16 55  | 20°24'27           | 16°54          | 3°24          | 4° 2           | 12° 8 | 25°58          | 4°15          | 17°51           | 10°35          | 12° 0          | 8°42          | 8° 2          | 1° 7 | 8°33           | M10  |
| T 11 | 9 20 51  | 21°25'09           | 29°45          | 5° 8          | 5° 7           | 12°55 | 26° 4          | 4°11          | 17°50           | 10°34          | 11°59          | 8°38          | 7°59          | 1°13 | 8°35           | T 11 |
| W12  | 9 24 48  | 22°25'50           | 12 <b>M</b> 13 | 6°50          | 6°12           | 13°42 | 26° 9          | 4° 6          | 17°49           | 10°33          | 11°57          | 8°36          | 7°55          | 1°20 | 8°36           | W12  |
| T 13 | 9 28 44  | 23°26'30           | 24°23          | 8°30          | 7°18           | 14°30 | 26°14          | 4° 1          | 17°49           | 10°32          | 11°56          | 8°D35         | 7°52          | 1°27 | 8°37           | T 13 |
| F 14 | 9 32 41  | 24°27'09           | 6 <b>₹</b> 19  | 10° 8         | 8°24           | 15°17 | 26°20          | 3°57          | 17°48           | 10°31          | 11°55          | 8°R35         | 7°49          | 1°33 | 8°38           | F 14 |
| S 15 | 9 36 38  | 25°27'47           | 18° 8          | 11°43         | 9°29           | 16° 4 | 26°25          | 3°53          | 17°47           | 10°30          | 11°53          | 8°35          | 7°46          | 1°40 | 8°39           | S 15 |
| S 16 | 9 40 34  | 26°28'23           | 29°54          | 13°14         | 10°36          | 16°51 | 26°29          | 3°48          | 17°47           | 10°29          | 11°52          | 8°33          | 7°43          | 1°47 | 8°39           | S 16 |
| M17  | 9 44 31  | 27°28'58           | 11 <b>る</b> 43 | 14°41         | 11°42          | 17°38 | 26°34          | 3°44          | 17°46           | 10°28          | 11°51          | 8°29          | 7°39          | 1°53 | 8°40           | M17  |
| T 18 | 9 48 27  | 28°29'32           | 23°39          | 16° 4         | 12°48          | 18°26 | 26°39          | 3°40          | 17°46           | 10°27          | 11°49          | 8°22          | 7°36          | 2° 0 | 8°40           | T 18 |
| W19  | 9 52 24  | 29°30'05           | 5 <b>≈</b> 45  | 17°21         | 13°55          | 19°13 | 26°43          | 3°36          | 17°46           | 10°26          | 11°48          | 8°12          | 7°33          | 2° 7 | 8°41           | W19  |
| T 20 | 9 56 20  | 0 <b>∺</b> 30'36   | 18° 2          | 18°32         | 15° 2          | 20° 0 | 26°47          | 3°31          | 17°45           | 10°25          | 11°46          | 7°59          | 7°30          | 2°13 | 8°41           | T 20 |
| F 21 | 10 0 17  | 1°31'05            | 0 <b>)</b> €33 | 19°36         | 16° 9          | 20°47 | 26°51          | 3°27          | 17°45           | 10°23          | 11°45          | 7°45          | 7°27          | 2°20 | 8°R41          | F 21 |
| S 22 | 10 4 13  | 2°31'33            | 13°17          | 20°33         | 17°16          | 21°34 | 26°55          | 3°23          | 17°45           | 10°22          | 11°44          | 7°31          | 7°24          | 2°27 | 8°41           | S 22 |
| S 23 | 10 8 10  | 3°31'59            | 26°13          | 21°21         | 18°24          | 22°22 | 26°59          | 3°19          | 17°45           | 10°21          | 11°43          | 7°18          | 7°20          | 2°33 | 8°41           | S 23 |
| M24  | 10 12 7  | 4°32'23            | 9 <b>Ƴ</b> 20  | 22° 2         | 19°31          | 23° 9 | 27° 2          | 3°16          | 17°45           | 10°20          | 11°41          | 7° 7          | 7°17          | 2°40 | 8°41           | M24  |
| T 25 | 10 16 3  | 5°32'46            | 22°39          | 22°33         | 20°39          | 23°56 | 27° 5          | 3°12          | 17°D45          | 10°18          | 11°40          | 6°59          | 7°14          | 2°47 | 8°40           | T 25 |
| W26  | 10 20 0  | 6°33'07            | 6 <b>8</b> 8   | 22°54         | 21°47          | 24°43 | 27° 9          | 3° 8          | 17°45           | 10°17          | 11°39          | 6°54          | 7°11          | 2°53 | 8°40           | W26  |
| T 27 | 10 23 56 | 7°33'25            | 19°47          | 23° 6         | 22°55          | 25°31 | 27°11          | 3° 4          | 17°45           | 10°16          | 11°37          | 6°52          | 7° 8          | 3° 0 | 8°39           | T 27 |
| F 28 | 10 27 53 | 8 <b>) (</b> 33'42 | 3耳36           | 23°R 9        | 24궁 3          | 26≈18 | 27 <b>M</b> 14 | 3 <b>Ω</b> 1  | 17 <b>Ⅱ</b> 45  | 10 <b>≏</b> 15 | 11 <b>£</b> 36 | 6 <b>Ⅱ</b> 52 | 7 <b>II</b> 5 | 3ਰ 7 | 8 <b>M</b> .38 | F 28 |

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| Day  | Sid.t    | 0                | D                | ğ                | φ              | ♂               | 4               | ħ             | )f(            | ¥              | В              | ß              | Ω             | Ç             | ۸٥            | Day  |
|------|----------|------------------|------------------|------------------|----------------|-----------------|-----------------|---------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|------|
| S 1  | 10 31 49 | 9 <b>)</b> 33'57 | 17 <b>Ⅱ</b> 36   | 23°R 1           | 25 <b>ට</b> 11 | 27≈ 5           | 27 <b>M</b> .17 | 2°R57         | 17 <b>Ⅱ</b> 45 | 10°R13         | 11°R35         | 6°R52          | 7 <b>I</b> 1  | 3 <b>ට</b> 13 | 8°R38         | S 1  |
| S 2  | 10 35 46 | 10°34'09         | 19548            | 22 <b>) (</b> 44 | 26°19          | 27°52           | 27°19           | 2 <b>Ω</b> 54 | 17°45          | 10 <b>₽</b> 12 | 11 <b>Ω</b> 34 | 6 <b>II</b> 51 | 6°58          | 3°20          | 8 <b>M</b> 37 | S 2  |
| M 3  | 10 39 42 | 11°34'20         | 16° 9            | 22°19            | 27°28          | 28°40           | 27°21           | 2°51          | 17°46          | 10°10          | 11°33          | 6°47           | 6°55          | 3°27          | 8°36          | M 3  |
| T 4  | 10 43 39 | 12°34'28         | 0Ω36             | 21°45            | 28°37          | 29°27           | 27°24           | 2°48          | 17°46          | 10° 9          | 11°31          | 6°42           | 6°52          | 3°33          | 8°34          | T 4  |
| W 5  | 10 47 36 | 13°34'35         | 15° 6            | 21° 3            | 29°45          | 0 <b>) (</b> 14 | 27°25           | 2°44          | 17°46          | 10° 8          | 11°30          | 6°33           | 6°49          | 3°40          | 8°33          | W 5  |
| T 6  | 10 51 32 | 14°34'39         | 29°32            | 20°16            | 0≈54           | 1° 1            | 27°27           | 2°41          | 17°47          | 10° 6          | 11°29          | 6°22           | 6°45          | 3°47          | 8°32          | T 6  |
| F 7  | 10 55 29 | 15°34'41         | 13 <b>m</b> ) 48 | 19°23            | 2° 3           | 1°49            | 27°29           | 2°38          | 17°47          | 10° 5          | 11°28          | 6°10           | 6°42          | 3°53          | 8°30          | F 7  |
| S 8  | 10 59 25 | 16°34'42         | 27°47            | 18°26            | 3°12           | 2°36            | 27°30           | 2°36          | 17°48          | 10° 3          | 11°27          | 5°58           | 6°39          | 4° 0          | 8°29          | S 8  |
| S 9  | 11 3 22  | 17°34'40         | 11 <b>≏</b> 26   | 17°28            | 4°21           | 3°23            | 27°31           | 2°33          | 17°49          | 10° 2          | 11°26          | 5°47           | 6°36          | 4° 7          | 8°27          | S 9  |
| M10  | 11 7 18  | 18°34'37         | 24°41            | 16°28            | 5°31           | 4°10            | 27°32           | 2°30          | 17°49          | 10° 0          | 11°25          | 5°39           | 6°33          | 4°13          | 8°25          | M10  |
| T 11 | 11 11 15 | 19°34'32         | 7 <b>™</b> 32    | 15°28            | 6°40           | 4°58            | 27°33           | 2°28          | 17°50          | 9°59           | 11°24          | 5°33           | 6°30          | 4°20          | 8°23          | T 11 |
| W12  | 11 15 11 | 20°34'26         | 20° 2            | 14°30            | 7°50           | 5°45            | 27°33           | 2°25          | 17°51          | 9°57           | 11°23          | 5°30           | 6°26          | 4°27          | 8°21          | W12  |
| T 13 | 11 19 8  | 21°34'17         | 2 <b>√</b> 14    | 13°35            | 8°59           | 6°32            | 27°34           | 2°23          | 17°52          | 9°56           | 11°22          | 5°D29          | 6°23          | 4°33          | 8°19          | T 13 |
| F 14 | 11 23 5  | 22°34'07         | 14°13            | 12°43            | 10° 9          | 7°19            | 27°R34          | 2°20          | 17°52          | 9°54           | 11°20          | 5°29           | 6°20          | 4°40          | 8°17          | F 14 |
| S 15 | 11 27 1  | 23°33'56         | 26° 4            | 11°57            | 11°19          | 8° 7            | 27°34           | 2°18          | 17°53          | 9°53           | 11°20          | 5°R29          | 6°17          | 4°47          | 8°15          | S 15 |
| S 16 | 11 30 58 | 24°33'43         | 7 <b>궁</b> 52    | 11°15            | 12°29          | 8°54            | 27°34           | 2°16          | 17°54          | 9°51           | 11°19          | 5°28           | 6°14          | 4°53          | 8°12          | S 16 |
| M17  | 11 34 54 | 25°33'28         | 19°44            | 10°39            | 13°38          | 9°41            | 27°33           | 2°14          | 17°55          | 9°49           | 11°18          | 5°25           | 6°10          | 5° 0          | 8°10          | M17  |
| T 18 | 11 38 51 | 26°33'11         | 1≈43             | 10° 9            | 14°49          | 10°28           | 27°33           | 2°12          | 17°56          | 9°48           | 11°17          | 5°20           | 6° 7          | 5° 7          | 8° 7          | T 18 |
| W19  | 11 42 47 | 27°32'52         | 13°54            | 9°46             | 15°59          | 11°15           | 27°32           | 2°11          | 17°58          | 9°46           | 11°16          | 5°12           | 6° 4          | 5°13          | 8° 4          | W19  |
| T 20 | 11 46 44 | 28°32'32         | 26°21            | 9°28             | 17° 9          | 12° 2           | 27°31           | 2° 9          | 17°59          | 9°45           | 11°15          | 5° 2           | 6° 1          | 5°20          | 8° 2          | T 20 |
| F 21 | 11 50 40 | 29°32'10         | 9 <b>∺</b> 4     | 9°17             | 18°19          | 12°50           | 27°30           | 2° 7          | 18° 0          | 9°43           | 11°14          | 4°51           | 5°58          | 5°27          | 7°59          | F 21 |
| S 22 | 11 54 37 | 0 <b>Ƴ</b> 31'45 | 22° 4            | 9°D12            | 19°29          | 13°37           | 27°28           | 2° 6          | 18° 1          | 9°41           | 11°13          | 4°39           | 5°55          | 5°33          | 7°56          | S 22 |
| S 23 | 11 58 34 | 1°31'19          | 5 <b>Υ</b> 21    | 9°13             | 20°40          | 14°24           | 27°27           | 2° 5          | 18° 3          | 9°40           | 11°12          | 4°28           | 5°51          | 5°40          | 7°53          | S 23 |
| M24  | 12 2 30  | 2°30'51          | 18°53            | 9°20             | 21°50          | 15°11           | 27°25           | 2° 3          | 18° 4          | 9°38           | 11°11          | 4°19           | 5°48          | 5°47          | 7°50          | M24  |
| T 25 | 12 6 27  | 3°30'20          | 2 <b>8</b> 36    | 9°32             | 23° 1          | 15°58           | 27°23           | 2° 2          | 18° 5          | 9°36           | 11°11          | 4°13           | 5°45          | 5°53          | 7°46          | T 25 |
| W26  | 12 10 23 | 4°29'48          | 16°28            | 9°50             | 24°11          | 16°45           | 27°21           | 2° 1          | 18° 7          | 9°35           | 11°10          | 4° 9           | 5°42          | 6° 0          | 7°43          | W26  |
| T 27 | 12 14 20 | 5°29'13          | 0П26             | 10°12            | 25°22          | 17°32           | 27°19           | 2° 0          | 18° 8          | 9°33           | 11° 9          | 4°D 8          | 5°39          | 6° 7          | 7°40          | T 27 |
| F 28 | 12 18 16 | 6°28'36          | 14°29            | 10°39            | 26°33          | 18°19           | 27°17           | 1°59          | 18°10          | 9°32           | 11° 9          | 4° 8           | 5°36          | 6°13          | 7°36          | F 28 |
| S 29 | 12 22 13 | 7°27'57          | 28°34            | 11°11            | 27°44          | 19° 6           | 27°14           | 1°59          | 18°12          | 9°30           | 11° 8          | 4° 9           | 5°32          | 6°20          | 7°33          | S 29 |
| S 30 | 12 26 9  | 8°27'15          | 129542           | 11°46            | 28°54          | 19°53           | 27°11           | 1°58          | 18°13          | 9°28           | 11° 7          | 4°R 9          | 5°29          | 6°27          | 7°29          | S 30 |
| M31  | 12 30 6  | 9 <b>Y</b> 26'31 | 26950            | 12 <b>∺</b> 26   | 0 <b>米</b> 5   | 20 <b>)</b> (40 | 27 <b>M</b> 8   | 1 <b>Ω</b> 58 | 18 <b>Ⅱ</b> 15 | 9 <b>₾</b> 27  | 11 <b>0</b> 7  | 4耳 8           | 5 <b>Ⅱ</b> 26 | 6 <b>ට</b> 33 | 7 <b>M</b> 26 | M31  |

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| Day  | Sid.t    | 0                 | D               | ğ              | ·             | ♂              | 4             | ħ             | )f(            | ¥             | В             | v             | u             | Ç             | ç              | Day  |
|------|----------|-------------------|-----------------|----------------|---------------|----------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|------|
| T 1  | 12 34 3  | 10 <b>Y</b> 25'45 | 10 <b>Ω</b> 58  | 13 <b>米</b> 10 | 1 <b>)</b> 16 | 21 <b>)</b> 27 | 27°R 5        | 1°R57         | 18 <b>Ⅱ</b> 17 | 9°R25         | 11°R 6        | 4°R 4         | 5 <b>Ⅱ</b> 23 | 6 <b>3</b> 40 | 7°R22          | T 1  |
| W 2  | 12 37 59 | 11°24'56          | 25° 2           | 13°57          | 2°27          | 22°14          | 27 <b>M</b> 2 | 1 <b>Ω</b> 57 | 18°19          | 9 <b>॒</b> 23 | 11 <b>Ω</b> 5 | 3耳58          | 5°20          | 6°47          | 7 <b>M</b> 18  | W 2  |
| T 3  | 12 41 56 | 12°24'05          | 9 <b>m</b> ) 0  | 14°47          | 3°38          | 23° 1          | 26°58         | 1°57          | 18°20          | 9°22          | 11° 5         | 3°51          | 5°16          | 6°53          | 7°14           | T 3  |
| F 4  | 12 45 52 | 13°23'12          | 22°48           | 15°41          | 4°49          | 23°48          | 26°55         | 1°D57         | 18°22          | 9°20          | 11° 4         | 3°42          | 5°13          | 7° 0          | 7°10           | F 4  |
| S 5  | 12 49 49 | 14°22'16          | 6 <b>≏</b> 23   | 16°37          | 6° 0          | 24°35          | 26°51         | 1°57          | 18°24          | 9°18          | 11° 4         | 3°34          | 5°10          | 7° 7          | 7° 6           | S 5  |
| S 6  | 12 53 45 | 15°21'19          | 19°42           | 17°37          | 7°11          | 25°21          | 26°47         | 1°57          | 18°26          | 9°17          | 11° 3         | 3°26          | 5° 7          | 7°13          | 7° 2           | S 6  |
| M 7  | 12 57 42 | 16°20'19          | 2 <b>M</b> .43  | 18°39          | 8°23          | 26° 8          | 26°43         | 1°58          | 18°28          | 9°15          | 11° 3         | 3°20          | 5° 4          | 7°20          | 6°58           | M 7  |
| T 8  | 13 138   | 17°19'18          | 15°26           | 19°44          | 9°34          | 26°55          | 26°38         | 1°58          | 18°30          | 9°13          | 11° 2         | 3°17          | 5° 1          | 7°27          | 6°54           | T 8  |
| W 9  | 13 5 35  | 18°18'14          | 27°51           | 20°51          | 10°45         | 27°42          | 26°34         | 1°58          | 18°32          | 9°12          | 11° 2         | 3°D15         | 4°57          | 7°33          | 6°50           | W 9  |
| T 10 | 13 931   | 19°17'09          | 10 <b>×</b> 2   | 22° 1          | 11°56         | 28°28          | 26°29         | 1°59          | 18°35          | 9°10          | 11° 2         | 3°15          | 4°54          | 7°40          | 6°46           | T 10 |
| F 11 | 13 13 28 | 20°16'02          | 22° 1           | 23°13          | 13° 8         | 29°15          | 26°24         | 2° 0          | 18°37          | 9° 9          | 11° 1         | 3°16          | 4°51          | 7°47          | 6°41           | F 11 |
| S 12 | 13 17 25 | 21°14'54          | 3 <b>궁</b> 53   | 24°27          | 14°19         | oΥ 2           | 26°20         | 2° 1          | 18°39          | 9° 7          | 11° 1         | 3°18          | 4°48          | 7°53          | 6°37           | S 12 |
| S 13 | 13 21 21 | 22°13'43          | 15°42           | 25°43          | 15°31         | 0°49           | 26°14         | 2° 2          | 18°41          | 9° 5          | 11° 1         | 3°19          | 4°45          | 8° 0          | 6°33           | S 13 |
| M14  | 13 25 18 | 23°12'31          | 27°35           | 27° 2          | 16°42         | 1°35           | 26° 9         | 2° 3          | 18°44          | 9° 4          | 11° 0         | 3°R19         | 4°42          | 8° 7          | 6°28           | M14  |
| T 15 | 13 29 14 | 24°11'17          | 9≈36            | 28°22          | 17°54         | 2°22           | 26° 4         | 2° 4          | 18°46          | 9° 2          | 11° 0         | 3°18          | 4°38          | 8°13          | 6°24           | T 15 |
| W16  | 13 33 11 | 25°10'02          | 21°49           | 29°44          | 19° 5         | 3° 8           | 25°58         | 2° 5          | 18°48          | 9° 1          | 11° 0         | 3°15          | 4°35          | 8°20          | 6°19           | W16  |
| T 17 | 13 37 7  | 26° 8'44          | 4 <b>) (</b> 19 | 1 <b>Υ</b> 8   | 20°17         | 3°55           | 25°53         | 2° 6          | 18°51          | 8°59          | 11° 0         | 3°10          | 4°32          | 8°27          | 6°15           | T 17 |
| F 18 | 13 41 4  | 27° 7'25          | 17° 8           | 2°35           | 21°29         | 4°41           | 25°47         | 2° 8          | 18°53          | 8°57          | 10°59         | 3° 5          | 4°29          | 8°33          | 6°10           | F 18 |
| S 19 | 13 45 0  | 28° 6'04          | 0 <b>Υ</b> 19   | 4° 2           | 22°40         | 5°28           | 25°41         | 2°10          | 18°56          | 8°56          | 10°59         | 2°59          | 4°26          | 8°40          | 6° 6           | S 19 |
| S 20 | 13 48 57 | 29° 4'41          | 13°51           | 5°32           | 23°52         | 6°14           | 25°35         | 2°11          | 18°58          | 8°54          | 10°59         | 2°53          | 4°22          | 8°47          | 6° 1           | S 20 |
| M21  | 13 52 54 | 0 <b>8</b> 3'17   | 27°42           | 7° 3           | 25° 4         | 7° 1           | 25°29         | 2°13          | 19° 1          | 8°53          | 10°59         | 2°49          | 4°19          | 8°53          | 5°57           | M21  |
| T 22 | 13 56 50 | 1° 1'50           | 11 <b>8</b> 49  | 8°37           | 26°15         | 7°47           | 25°23         | 2°15          | 19° 4          | 8°51          | 10°59         | 2°46          | 4°16          | 9° 0          | 5°52           | T 22 |
| W23  | 14 0 47  | 2° 0'22           | 26° 8           | 10°12          | 27°27         | 8°33           | 25°16         | 2°17          | 19° 6          | 8°50          | 10°59         | 2°D44         | 4°13          | 9° 7          | 5°47           | W23  |
| T 24 | 14 443   | 2°58'52           | 10 <b>Ⅲ</b> 32  | 11°48          | 28°39         | 9°19           | 25°10         | 2°19          | 19° 9          | 8°48          | 10°D59        | 2°44          | 4°10          | 9°13          | 5°43           | T 24 |
| F 25 | 14 8 40  | 3°57'19           | 24°58           | 13°27          | 29°51         | 10° 6          | 25° 3         | 2°21          | 19°12          | 8°47          | 10°59         | 2°45          | 4° 7          | 9°20          | 5°38           | F 25 |
| S 26 | 14 12 36 | 4°55'45           | 9922            | 15° 7          | 1 <b>Υ</b> 3  | 10°52          | 24°56         | 2°24          | 19°14          | 8°45          | 10°59         | 2°47          | 4° 3          | 9°27          | 5°34           | S 26 |
| S 27 | 14 16 33 | 5°54'08           | 23°39           | 16°49          | 2°15          | 11°38          | 24°50         | 2°26          | 19°17          | 8°44          | 10°59         | 2°48          | 4° 0          | 9°33          | 5°29           | S 27 |
| M28  | 14 20 29 | 6°52'30           | 7 <b>Ω</b> 48   | 18°32          | 3°27          | 12°24          | 24°43         | 2°29          | 19°20          | 8°43          | 10°59         | 2°R49         | 3°57          | 9°40          | 5°24           | M28  |
| T 29 | 14 24 26 | 7°50'49           | 21°47           | 20°18          | 4°38          | 13°10          | 24°36         | 2°31          | 19°23          | 8°41          | 10°59         | 2°48          | 3°54          | 9°47          | 5°20           | T 29 |
| W30  | 14 28 23 | 8 <b>8</b> 49'06  | 5 <b>m</b> 35   | 22 <b>°</b> 5  | 5 <b>Υ</b> 50 | 13 <b>Y</b> 56 | 24M29         | $2\Omega$ 34  | 19 <b>Ⅱ</b> 26 | 8 <b>≏</b> 40 | $10\Omega 59$ | 2 <b>Ⅱ</b> 46 | 3耳51          | 9 <b>궁</b> 53 | 5 <b>M</b> .15 | W30  |

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|------|----------|------------------|------------------|----------------|----------------|----------------|-----------------|---------------|----------------|---------------|----------------|---------------|---------------|----------------|----------------|------|
| T 1  | 14 32 19 | 9847'21          | 19 <b>m</b> 10   | 23 <b>Y</b> 54 | 7 <b>Υ</b> 2   | 14 <b>Y</b> 42 | 24°R22          | 2 <b>Ω</b> 37 | 19 <b>Ⅱ</b> 29 | 8°R38         | 11 <b>0</b> 0  | 2°R43         | 3 <b>Ⅱ</b> 47 | 10중 0          | 5°R11          | T 1  |
| F 2  | 14 36 16 | 10°45'33         | 2 <b>≏</b> 33    | 25°44          | 8°14           | 15°28          | 24ML14          | 2°40          | 19°32          | 8 <b>≏</b> 37 | 11° 0          | 2 <b>Ⅱ</b> 40 | 3°44          | 10° 7          | 5M 6           | F 2  |
| S 3  | 14 40 12 | 11°43'44         | 15°42            | 27°37          | 9°26           | 16°14          | 24° 7           | 2°43          | 19°34          | 8°36          | 11° 0          | 2°37          | 3°41          | 10°13          | 5° 1           | S 3  |
| S 4  | 14 44 9  | 12°41'53         | 28°37            | 29°31          | 10°38          | 17° 0          | 24° 0           | 2°46          | 19°37          | 8°34          | 11° 0          | 2°34          | 3°38          | 10°20          | 4°57           | S 4  |
| M 5  | 14 48 5  | 13°40'01         | 11 <b>M</b> .19  | 1827           | 11°50          | 17°46          | 23°53           | 2°49          | 19°40          | 8°33          | 11° 1          | 2°32          | 3°35          | 10°27          | 4°52           | M 5  |
| T 6  | 14 52 2  | 14°38'06         | 23°46            | 3°25           | 13° 2          | 18°32          | 23°45           | 2°52          | 19°44          | 8°32          | 11° 1          | 2°31          | 3°32          | 10°33          | 4°48           | T 6  |
| W 7  | 14 55 58 | 15°36'10         | 6 <b>₹</b> 2     | 5°24           | 14°15          | 19°17          | 23°38           | 2°56          | 19°47          | 8°31          | 11° 1          | 2°D31         | 3°28          | 10°40          | 4°43           | W 7  |
| T 8  | 14 59 55 | 16°34'13         | 18° 6            | 7°25           | 15°27          | 20° 3          | 23°30           | 2°59          | 19°50          | 8°29          | 11° 2          | 2°32          | 3°25          | 10°47          | 4°39           | T 8  |
| F 9  | 15 3 52  | 17°32'14         | 0중 3             | 9°28           | 16°39          | 20°49          | 23°23           | 3° 3          | 19°53          | 8°28          | 11° 2          | 2°33          | 3°22          | 10°53          | 4°34           | F 9  |
| S 10 | 15 7 48  | 18°30'13         | 11°54            | 11°32          | 17°51          | 21°34          | 23°15           | 3° 6          | 19°56          | 8°27          | 11° 2          | 2°34          | 3°19          | 11° 0          | 4°30           | S 10 |
| S 11 | 15 11 45 | 19°28'12         | 23°44            | 13°38          | 19° 3          | 22°20          | 23° 7           | 3°10          | 19°59          | 8°26          | 11° 3          | 2°35          | 3°16          | 11° 7          | 4°26           | S 11 |
| M12  | 15 15 41 | 20°26'08         | 5≈37             | 15°45          | 20°15          | 23° 5          | 23° 0           | 3°14          | 20° 2          | 8°25          | 11° 3          | 2°36          | 3°13          | 11°13          | 4°21           | M12  |
| T 13 | 15 19 38 | 21°24'04         | 17°37            | 17°53          | 21°28          | 23°51          | 22°52           | 3°18          | 20° 6          | 8°24          | 11° 4          | 2°R37         | 3° 9          | 11°20          | 4°17           | T 13 |
| W14  | 15 23 34 | 22°21'58         | 29°50            | 20° 2          | 22°40          | 24°36          | 22°45           | 3°22          | 20° 9          | 8°22          | 11° 4          | 2°37          | 3° 6          | 11°27          | 4°13           | W14  |
| T 15 | 15 27 31 | 23°19'51         | 12 <b>) (</b> 18 | 22°13          | 23°52          | 25°22          | 22°37           | 3°26          | 20°12          | 8°21          | 11° 5          | 2°36          | 3° 3          | 11°33          | 4° 9           | T 15 |
| F 16 | 15 31 27 | 24°17'43         | 25° 8            | 24°23          | 25° 4          | 26° 7          | 22°29           | 3°30          | 20°15          | 8°20          | 11° 5          | 2°35          | 3° 0          | 11°40          | 4° 5           | F 16 |
| S 17 | 15 35 24 | 25°15'33         | 8 <b>Ƴ</b> 20    | 26°35          | 26°17          | 26°52          | 22°22           | 3°35          | 20°19          | 8°19          | 11° 6          | 2°34          | 2°57          | 11°47          | 4° 0           | S 17 |
| S 18 | 15 39 21 | 26°13'22         | 21°57            | 28°46          | 27°29          | 27°38          | 22°14           | 3°39          | 20°22          | 8°18          | 11° 7          | 2°33          | 2°53          | 11°53          | 3°56           | S 18 |
| M19  | 15 43 17 | 27°11'10         | 5 <b>8</b> 58    | 0 <b>耳</b> 57  | 28°41          | 28°23          | 22° 6           | 3°43          | 20°25          | 8°17          | 11° 7          | 2°33          | 2°50          | 12° 0          | 3°52           | M19  |
| T 20 | 15 47 14 | 28° 8'57         | 20°21            | 3° 8           | 29°54          | 29° 8          | 21°59           | 3°48          | 20°29          | 8°16          | 11°8           | 2°33          | 2°47          | 12° 7          | 3°49           | T 20 |
| W21  | 15 51 10 | 29° 6'43         | 5 <b>II</b> 0    | 5°18           | 1 <b>8</b> 6   | 29°53          | 21°51           | 3°53          | 20°32          | 8°15          | 11° 9          | 2°D33         | 2°44          | 12°13          | 3°45           | W21  |
| T 22 | 15 55 7  | 0 <b>Ⅱ</b> 4'27  | 19°49            | 7°27           | 2°18           | 0 <b>8</b> 38  | 21°44           | 3°57          | 20°35          | 8°15          | 11° 9          | 2°33          | 2°41          | 12°20          | 3°41           | T 22 |
| F 23 | 15 59 3  | 1° 2'10          | 49541            | 9°35           | 3°31           | 1°23           | 21°36           | 4° 2          | 20°39          | 8°14          | 11°10          | 2°33          | 2°38          | 12°27          | 3°37           | F 23 |
| S 24 | 16 3 0   | 1°59'51          | 19°27            | 11°41          | 4°43           | 2° 8           | 21°29           | 4° 7          | 20°42          | 8°13          | 11°11          | 2°33          | 2°34          | 12°33          | 3°33           | S 24 |
| S 25 | 16 6 57  | 2°57'31          | 4 <b>Ω</b> 3     | 13°46          | 5°56           | 2°53           | 21°21           | 4°12          | 20°46          | 8°12          | 11°12          | 2°R33         | 2°31          | 12°40          | 3°30           | S 25 |
| M26  | 16 10 53 | 3°55'09          | 18°23            | 15°48          | 7° 8           | 3°38           | 21°14           | 4°17          | 20°49          | 8°11          | 11°13          | 2°33          | 2°28          | 12°47          | 3°26           | M26  |
| T 27 | 16 14 50 | 4°52'46          | 2 Mp 25          | 17°49          | 8°21           | 4°23           | 21° 7           | 4°22          | 20°52          | 8°11          | 11°13          | 2°D33         | 2°25          | 12°54          | 3°23           | T 27 |
| W28  | 16 18 46 | 5°50'21          | 16° 7            | 19°47          | 9°33           | 5° 7           | 21° 0           | 4°27          | 20°56          | 8°10          | 11°14          | 2°33          | 2°22          | 13° 0          | 3°19           | W28  |
| T 29 | 16 22 43 | 6°47'55          | 29°30            | 21°43          | 10°45          | 5°52           | 20°52           | 4°32          | 20°59          | 8° 9          | 11°15          | 2°33          | 2°19          | 13° 7          | 3°16           | T 29 |
| F 30 | 16 26 39 | 7°45'27          | 12 <b>≏</b> 36   | 23°36          | 11°58          | 6°37           | 20°45           | 4°38          | 21° 3          | 8° 8          | 11°16          | 2°33          | 2°15          | 1 <u>3</u> °14 | 3°13           | F 30 |
| S 31 | 16 30 36 | 8 <b>Ⅱ</b> 42'58 | 25 <b>≏</b> 25   | 25 <b>Ⅱ</b> 27 | 13 <b>8</b> 10 | 7 <b>8</b> 21  | 20 <b>M</b> .38 | 4 <b>Ω</b> 43 | 21 <b>I</b> 6  | 8 <b>교</b> 8  | 11 <b>Ω</b> 17 | 2 <b>Ⅱ</b> 34 | 2 <b>Ⅱ</b> 12 | 13 <b>る</b> 20 | 3 <b>™</b> 10  | S 31 |

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| Day  | Sid.t    | 0        | D              | ğ               | Q-             | S              | 4             | ħ             | )/(             | ¥            | Р              | 3     | ය            | Ç               | ۰,0           | Day  |
|------|----------|----------|----------------|-----------------|----------------|----------------|---------------|---------------|-----------------|--------------|----------------|-------|--------------|-----------------|---------------|------|
| S 1  | 16 34 32 | 9∏40'27  | 8 <b>M</b> 0   | 27 <b>I</b> I16 | 14823          | 8 <b>8</b> 6   | 20°R31        | 4 <b>Ω</b> 48 | 21 <b>I</b> I10 | 8°R 7        | 11 <b>Ω</b> 18 | 2Д35  | 2 <b>I</b> 9 | 13 <b>る</b> 27  | 3°R 7         | S 1  |
| M 2  | 16 38 29 | 10°37'56 | 20°22          | 29° 1           | 15°36          | 8°50           | 20M25         | 4°54          | 21°13           | 8 <b>쇼</b> 7 | 11°19          | 2°35  | 2° 6         | 13°34           | 3M 4          | M 2  |
| T 3  | 16 42 25 | 11°35'23 | 2 <b>₹</b> 35  | 09544           | 16°48          | 9°34           | 20°18         | 4°59          | 21°17           | 8° 6         | 11°20          | 2°R35 | 2° 3         | 13°40           | 3° 1          | T 3  |
| W 4  | 16 46 22 | 12°32'50 | 14°39          | 2°24            | 18° 1          | 10°19          | 20°11         | 5° 5          | 21°20           | 8° 6         | 11°21          | 2°35  | 1°59         | 13°47           | 2°58          | W 4  |
| T 5  | 16 50 19 | 13°30'15 | 26°36          | 4° 1            | 19°13          | 11° 3          | 20° 5         | 5°11          | 21°24           | 8° 5         | 11°22          | 2°34  | 1°56         | 13°54           | 2°55          | T 5  |
| F 6  | 16 54 15 | 14°27'40 | 8 <b>云</b> 29  | 5°36            | 20°26          | 11°47          | 19°58         | 5°17          | 21°28           | 8° 5         | 11°23          | 2°33  | 1°53         | 14° 0           | 2°53          | F 6  |
| S 7  | 16 58 12 | 15°25'04 | 20°19          | 7° 7            | 21°38          | 12°31          | 19°52         | 5°22          | 21°31           | 8° 4         | 11°24          | 2°31  | 1°50         | 14° 7           | 2°50          | S 7  |
| S 8  | 17 2 8   | 16°22'27 | 2≈ 9           | 8°36            | 22°51          | 13°16          | 19°46         | 5°28          | 21°35           | 8° 4         | 11°26          | 2°29  | 1°47         | 14°14           | 2°48          | S 8  |
| M 9  | 17 6 5   | 17°19'49 | 14° 3          | 10° 1           | 24° 4          | 14° 0          | 19°40         | 5°34          | 21°38           | 8° 4         | 11°27          | 2°27  | 1°44         | 14°20           | 2°45          | M 9  |
| T 10 | 17 10 1  | 18°17'11 | 26° 4          | 11°24           | 25°16          | 14°44          | 19°34         | 5°40          | 21°42           | 8° 3         | 11°28          | 2°26  | 1°40         | 14°27           | 2°43          | T 10 |
| W11  | 17 13 58 | 19°14'32 | 8 <b>)</b> 16  | 12°44           | 26°29          | 15°28          | 19°28         | 5°46          | 21°45           | 8° 3         | 11°29          | 2°25  | 1°37         | 14°34           | 2°41          | W11  |
| T 12 | 17 17 55 | 20°11'53 | 20°42          | 14° 1           | 27°42          | 16°11          | 19°22         | 5°52          | 21°49           | 8° 3         | 11°30          | 2°D24 | 1°34         | 14°40           | 2°39          | T 12 |
| F 13 | 17 21 51 | 21° 9'13 | 3 <b>℃</b> 27  | 15°15           | 28°55          | 16°55          | 19°17         | 5°59          | 21°52           | 8° 2         | 11°31          | 2°25  | 1°31         | 14°47           | 2°37          | F 13 |
| S 14 | 17 25 48 | 22° 6'33 | 16°35          | 16°25           | 0 <b>Π</b> 7   | 17°39          | 19°11         | 6° 5          | 21°56           | 8° 2         | 11°33          | 2°26  | 1°28         | 14°54           | 2°35          | S 14 |
| S 15 | 17 29 44 | 23° 3'52 | 9 <b>8</b> 80  | 17°33           | 1°20           | 18°23          | 19° 6         | 6°11          | 22° 0           | 8° 2         | 11°34          | 2°27  | 1°25         | 15° 0           | 2°33          | S 15 |
| M16  | 17 33 41 | 24° 1'11 | 14° 8          | 18°37           | 2°33           | 19° 6          | 19° 1         | 6°17          | 22° 3           | 8° 2         | 11°35          | 2°28  | 1°21         | 15° 7           | 2°31          | M16  |
| T 17 | 17 37 37 | 24°58'30 | 28°34          | 19°38           | 3°46           | 19°50          | 18°56         | 6°24          | 22° 7           | 8° 2         | 11°37          | 2°R29 | 1°18         | 15°14           | 2°30          | T 17 |
| W18  | 17 41 34 | 25°55'48 | 13 <b>Ⅲ</b> 21 | 20°35           | 4°59           | 20°34          | 18°51         | 6°30          | 22°10           | 8° 2         | 11°38          | 2°29  | 1°15         | 15°20           | 2°28          | W18  |
| T 19 | 17 45 30 | 26°53'06 | 28°24          | 21°29           | 6°11           | 21°17          | 18°46         | 6°37          | 22°14           | 8° 2         | 11°39          | 2°27  | 1°12         | 15°27           | 2°27          | T 19 |
| F 20 | 17 49 27 | 27°50'23 | 13934          | 22°20           | 7°24           | 22° 0          | 18°41         | 6°43          | 22°17           | 8°D 2        | 11°41          | 2°25  | 1° 9         | 15°34           | 2°25          | F 20 |
| S 21 | 17 53 24 | 28°47'40 | 28°41          | 23° 6           | 8°37           | 22°44          | 18°37         | 6°50          | 22°21           | 8° 2         | 11°42          | 2°21  | 1° 5         | 15°41           | 2°24          | S 21 |
| S 22 | 17 57 20 | 29°44'56 | 13€36          | 23°49           | 9°50           | 23°27          | 18°33         | 6°57          | 22°24           | 8° 2         | 11°43          | 2°18  | 1° 2         | 15°47           | 2°23          | S 22 |
| M23  | 18 1 17  | 09542'12 | 28°12          | 24°28           | 11° 3          | 24°10          | 18°29         | 7° 3          | 22°28           | 8° 2         | 11°45          | 2°14  | 0°59         | 15°54           | 2°22          | M23  |
| T 24 | 18 5 13  | 1°39'26  | 12 <b>m</b> 23 | 25° 3           | 12°16          | 24°53          | 18°25         | 7°10          | 22°32           | 8° 2         | 11°46          | 2°12  | 0°56         | 16° 1           | 2°21          | T 24 |
| W25  | 18 9 10  | 2°36'40  | 26° 9          | 25°34           | 13°29          | 25°37          | 18°21         | 7°17          | 22°35           | 8° 2         | 11°48          | 2°11  | 0°53         | 16° 7           | 2°21          | W25  |
| T 26 | 18 13 6  | 3°33'54  | 9 <b>≙</b> 29  | 26° 1           | 14°42          | 26°20          | 18°17         | 7°24          | 22°39           | 8° 2         | 11°49          | 2°D11 | 0°50         | 16°14           | 2°20          | T 26 |
| F 27 | 18 17 3  | 4°31'07  | 22°27          | 26°23           | 15°55          | 27° 2          | 18°14         | 7°31          | 22°42           | 8° 2         | 11°50          | 2°12  | 0°46         | 16°21           | 2°19          | F 27 |
| S 28 | 18 20 59 | 5°28'19  | 5M 5           | 26°41           | 17° 8          | 27°45          | 18°11         | 7°37          | 22°46           | 8° 3         | 11°52          | 2°13  | 0°43         | 16°27           | 2°19          | S 28 |
| S 29 | 18 24 56 | 6°25'31  | 17°27          | 26°54           | 18°21          | 28°28          | 18° 7         | 7°44          | 22°49           | 8° 3         | 11°53          | 2°15  | 0°40         | 16°34           | 2°18          | S 29 |
| M30  | 18 28 53 | 79522'42 | 29 <b>M</b> 37 | 2795 3          | 19 <b>Ⅲ</b> 34 | 29 <b>8</b> 11 | 18 <b>M</b> 5 | 7 <b>Ω</b> 51 | 22 <b>II</b> 53 | 8 <b>₾</b> 3 | 11 <b>£</b> 55 | 2°R16 | 0Д37         | 16 <b>පි</b> 41 | 2 <b>m</b> 18 | M30  |

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| Day  | Sid.t    | 0                | D              | Ϋ́     | φ     | ď              | 4              | ħ              | )∤(             | ¥             | Р              | n     | v              | Ç              | o<br>K        | Day  |
|------|----------|------------------|----------------|--------|-------|----------------|----------------|----------------|-----------------|---------------|----------------|-------|----------------|----------------|---------------|------|
| T 1  | 18 32 49 | 89619'54         | 11 <b>×</b> 38 | 27°R 7 | 20∏47 | 29 <b>8</b> 54 | 18°R 2         | 7 <b>Ω</b> 58  | 22 <b>II</b> 56 | 8 <b>₾</b> 4  | 11 <b>Ω</b> 57 | 2°R15 | 0Д34           | 16 <b>ප</b> 47 | 2°R18         | T 1  |
| W 2  | 18 36 46 | 9°17'05          | 23°33          | 2795 7 | 22° 0 | 0Д36           | 17 <b>M</b> 59 | 8° 6           | 23° 0           | 8° 4          | 11°58          | 2Ⅲ13  | 0°31           | 16°54          | 2°D18         | W 2  |
| T 3  | 18 40 42 | 10°14'16         | 5 <b>국</b> 25  | 27° 2  | 23°13 | 1°19           | 17°57          | 8°13           | 23° 3           | 8° 4          | 12° 0          | 2° 9  | 0°27           | 17° 1          | 2 <b>M</b> 18 | T 3  |
| F 4  | 18 44 39 | 11°11'26         | 17°15          | 26°52  | 24°26 | 2° 1           | 17°55          | 8°20           | 23° 6           | 8° 5          | 12° 1          | 2° 4  | 0°24           | 17° 7          | 2°18          | F 4  |
| S 5  | 18 48 35 | 12° 8'37         | 29° 6          | 26°38  | 25°39 | 2°44           | 17°52          | 8°27           | 23°10           | 8° 5          | 12° 3          | 1°57  | 0°21           | 17°14          | 2°19          | S 5  |
| S 6  | 18 52 32 | 13° 5'48         | 10≈59          | 26°19  | 26°52 | 3°26           | 17°51          | 8°34           | 23°13           | 8° 6          | 12° 4          | 1°50  | 0°18           | 17°21          | 2°19          | S 6  |
| M 7  | 18 56 28 | 14° 2'59         | 22°57          | 25°57  | 28° 6 | 4° 8           | 17°49          | 8°41           | 23°17           | 8° 6          | 12° 6          | 1°42  | 0°15           | 17°28          | 2°20          | M 7  |
| T 8  | 19 0 25  | 15° 0'10         | 5 <b>)</b> 1   | 25°30  | 29°19 | 4°51           | 17°47          | 8°49           | 23°20           | 8° 7          | 12° 8          | 1°36  | 0°11           | 17°34          | 2°20          | T 8  |
| W 9  | 19 4 22  | 15°57'21         | 17°15          | 25° 1  | 0ഇ32  | 5°33           | 17°46          | 8°56           | 23°23           | 8° 8          | 12° 9          | 1°30  | 0° 8           | 17°41          | 2°21          | W 9  |
| T 10 | 19 8 18  | 16°54'33         | 29°42          | 24°28  | 1°45  | 6°15           | 17°45          | 9° 3           | 23°27           | 8° 8          | 12°11          | 1°27  | 0° 5           | 17°48          | 2°22          | T 10 |
| F 11 | 19 12 15 | 17°51'45         | 12 <b>Y</b> 25 | 23°53  | 2°59  | 6°57           | 17°44          | 9°11           | 23°30           | 8° 9          | 12°13          | 1°D25 | 0° 2           | 17°54          | 2°23          | F 11 |
| S 12 | 19 16 11 | 18°48'58         | 25°27          | 23°16  | 4°12  | 7°39           | 17°43          | 9°18           | 23°33           | 8° 9          | 12°14          | 1°25  | 29 <b>8</b> 59 | 18° 1          | 2°24          | S 12 |
| S 13 | 19 20 8  | 19°46'11         | 8 <b>8</b> 53  | 22°37  | 5°25  | 8°21           | 17°42          | 9°25           | 23°37           | 8°10          | 12°16          | 1°26  | 29°56          | 18° 8          | 2°25          | S 13 |
| M14  | 19 24 4  | 20°43'25         | 22°45          | 21°58  | 6°39  | 9° 3           | 17°42          | 9°33           | 23°40           | 8°11          | 12°18          | 1°27  | 29°52          | 18°14          | 2°26          | M14  |
| T 15 | 19 28 1  | 21°40'39         | 7 <b>Π</b> 2   | 21°19  | 7°52  | 9°45           | 17°42          | 9°40           | 23°43           | 8°12          | 12°19          | 1°R27 | 29°49          | 18°21          | 2°28          | T 15 |
| W16  | 19 31 57 | 22°37'54         | 21°44          | 20°40  | 9° 5  | 10°26          | 17°D42         | 9°48           | 23°46           | 8°13          | 12°21          | 1°26  | 29°46          | 18°28          | 2°29          | W16  |
| T 17 | 19 35 54 | 23°35'10         | 69346          | 20° 3  | 10°19 | 11° 8          | 17°42          | 9°55           | 23°50           | 8°13          | 12°23          | 1°22  | 29°43          | 18°34          | 2°31          | T 17 |
| F 18 | 19 39 51 | 24°32'26         | 22° 0          | 19°28  | 11°32 | 11°50          | 17°42          | 10° 3          | 23°53           | 8°14          | 12°24          | 1°16  | 29°40          | 18°41          | 2°32          | F 18 |
| S 19 | 19 43 47 | 25°29'42         | 7 <b>Ω</b> 16  | 18°55  | 12°46 | 12°31          | 17°42          | 10°10          | 23°56           | 8°15          | 12°26          | 1° 9  | 29°37          | 18°48          | 2°34          | S 19 |
| S 20 | 19 47 44 | 26°26'59         | 22°22          | 18°26  | 13°59 | 13°12          | 17°43          | 10°18          | 23°59           | 8°16          | 12°28          | 1° 1  | 29°33          | 18°54          | 2°36          | S 20 |
| M21  | 19 51 40 | 27°24'16         | 7 <b>m</b> y 9 | 18° 0  | 15°13 | 13°54          | 17°44          | 10°25          | 24° 2           | 8°17          | 12°30          | 0°53  | 29°30          | 19° 1          | 2°38          | M21  |
| T 22 | 19 55 37 | 28°21'34         | 21°31          | 17°38  | 16°26 | 14°35          | 17°45          | 10°33          | 24° 5           | 8°18          | 12°31          | 0°46  | 29°27          | 19° 8          | 2°40          | T 22 |
| W23  | 19 59 33 | 29°18'51         | 5 <u>Ω</u> 24  | 17°22  | 17°40 | 15°16          | 17°46          | 10°41          | 24° 9           | 8°19          | 12°33          | 0°42  | 29°24          | 19°15          | 2°43          | W23  |
| T 24 | 20 3 30  | 0 <b>Ω</b> 16'09 | 18°49          | 17°10  | 18°53 | 15°57          | 17°47          | 10°48          | 24°12           | 8°20          | 12°35          | 0°39  | 29°21          | 19°21          | 2°45          | T 24 |
| F 25 | 20 7 27  | 1°13'27          | 1 <b>M</b> .46 | 17° 4  | 20° 7 | 16°39          | 17°49          | 10°56          | 24°15           | 8°21          | 12°37          | 0°D39 | 29°17          | 19°28          | 2°47          | F 25 |
| S 26 | 20 11 23 | 2°10'46          | 14°21          | 17°D 3 | 21°21 | 17°19          | 17°51          | 11° 4          | 24°18           | 8°22          | 12°38          | 0°39  | 29°14          | 19°35          | 2°50          | S 26 |
| S 27 | 20 15 20 | 3° 8'05          | 26°38          | 17° 8  | 22°34 | 18° 0          | 17°53          | 11°11          | 24°21           | 8°23          | 12°40          | 0°R40 | 29°11          | 19°41          | 2°53          | S 27 |
| M28  | 20 19 16 | 4° 5'24          | 8 <b>√</b> 41  | 17°20  | 23°48 | 18°41          | 17°55          | 11°19          | 24°23           | 8°25          | 12°42          | 0°40  | 29° 8          | 19°48          | 2°55          | M28  |
| T 29 | 20 23 13 | 5° 2'44          | 20°37          | 17°37  | 25° 2 | 19°22          | 17°57          | 11°27          | 24°26           | 8°26          | 12°44          | 0°38  | 29° 5          | 19°55          | 2°58          | T 29 |
| W30  | 20 27 9  | 6° 0'05          | 2 <b>조</b> 27  | 18° 0  | 26°15 | 20° 3          | 17°59          | 11°34          | 24°29           | 8°27          | 12°45          | 0°33  | 29° 2          | 20° 1          | 3° 1          | W30  |
| T 31 | 20 31 6  | 6 <b>Ω</b> 57'26 | 14 <b>궁</b> 17 | 18930  | 27929 | 20 <b>Ⅱ</b> 43 | 18M 2          | 11 <b>Ω</b> 42 | 24∏32           | 8 <b>₾</b> 28 | 12 <b>Ω</b> 47 | 0Д26  | 28 <b>8</b> 58 | 20중 8          | 3M 4          | T 31 |

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| Day  | Sid.t    | $\odot$          | D              | ğ               | φ             | ♂              | 4              | ħ              | )f(            | #             | В              | v             | Ω              | Ç              | Š             | Day  |
|------|----------|------------------|----------------|-----------------|---------------|----------------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|------|
| F 1  | 20 35 2  | 7 <b>Ω</b> 54'48 | 26 <b>궁</b> 7  | 1995 6          | 289543        | 21 <b>Ⅱ</b> 24 | 18 <b>M</b> 5  | 11 <b>Ω</b> 50 | 24∏35          | 8 <b>ჲ</b> 30 | 12 <b>N</b> 49 | 0°R17         | 28 <b>8</b> 55 | 20 <b>궁</b> 15 | 3M 7          | F 1  |
| S 2  | 20 38 59 | 8°52'11          | 8≈ 2           | 19°48           | 29°57         | 22° 4          | 18° 8          | 11°57          | 24°38          | 8°31          | 12°51          | 0耳 6          | 28°52          | 20°21          | 3°11          | S 2  |
| S 3  | 20 42 56 | 9°49'35          | 20° 1          | 20°36           | 1Ω10          | 22°45          | 18°11          | 12° 5          | 24°41          | 8°32          | 12°53          | 29853         | 28°49          | 20°28          | 3°14          | S 3  |
| M 4  | 20 46 52 | 10°46'59         | 2 <b>)</b> 7   | 21°30           | 2°24          | 23°25          | 18°14          | 12°13          | 24°43          | 8°34          | 12°54          | 29°41         | 28°46          | 20°35          | 3°17          | M 4  |
| T 5  | 20 50 49 | 11°44'25         | 14°20          | 22°30           | 3°38          | 24° 5          | 18°18          | 12°20          | 24°46          | 8°35          | 12°56          | 29°29         | 28°43          | 20°42          | 3°21          | T 5  |
| W 6  | 20 54 45 | 12°41'52         | 26°43          | 23°36           | 4°52          | 24°46          | 18°21          | 12°28          | 24°49          | 8°36          | 12°58          | 29°20         | 28°39          | 20°48          | 3°24          | W 6  |
| T 7  | 20 58 42 | 13°39'19         | 9 <b>Υ</b> 16  | 24°47           | 6° 6          | 25°26          | 18°25          | 12°36          | 24°51          | 8°38          | 13° 0          | 29°13         | 28°36          | 20°55          | 3°28          | T 7  |
| F 8  | 21 238   | 14°36'48         | 22° 2          | 26° 4           | 7°20          | 26° 6          | 18°29          | 12°44          | 24°54          | 8°39          | 13° 2          | 29° 9         | 28°33          | 21° 2          | 3°32          | F 8  |
| S 9  | 21 6 35  | 15°34'19         | 5 <b>8</b> 5   | 27°26           | 8°34          | 26°46          | 18°33          | 12°51          | 24°56          | 8°41          | 13° 3          | 29° 7         | 28°30          | 21° 8          | 3°36          | S 9  |
| S 10 | 21 10 31 | 16°31'51         | 18°26          | 28°53           | 9°48          | 27°25          | 18°37          | 12°59          | 24°59          | 8°42          | 13° 5          | 29°D 7        | 28°27          | 21°15          | 3°40          | S 10 |
| M11  | 21 14 28 | 17°29'24         | 2 <b>I</b> I 9 | $0\Omega_{25}$  | 11° 2         | 28° 5          | 18°42          | 13° 7          | 25° 1          | 8°44          | 13° 7          | 29°R 7        | 28°23          | 21°22          | 3°44          | M11  |
| T 12 | 21 18 25 | 18°26'59         | 16°14          | 2° 1            | 12°16         | 28°45          | 18°46          | 13°14          | 25° 4          | 8°45          | 13° 9          | 29° 6         | 28°20          | 21°28          | 3°48          | T 12 |
| W13  | 21 22 21 | 19°24'35         | 0 <b>୭</b> 43  | 3°41            | 13°30         | 29°25          | 18°51          | 13°22          | 25° 6          | 8°47          | 13°11          | 29° 3         | 28°17          | 21°35          | 3°52          | W13  |
| T 14 | 21 26 18 | 20°22'13         | 15°32          | 5°25            | 14°44         | 0              | 18°56          | 13°30          | 25° 9          | 8°48          | 13°12          | 28°58         | 28°14          | 21°42          | 3°57          | T 14 |
| F 15 | 21 30 14 | 21°19'52         | 0 <b>Ω</b> 34  | 7°13            | 15°58         | 0°44           | 19° 1          | 13°37          | 25°11          | 8°50          | 13°14          | 28°50         | 28°11          | 21°49          | 4° 1          | F 15 |
| S 16 | 21 34 11 | 22°17'32         | 15°42          | 9° 3            | 17°12         | 1°23           | 19° 6          | 13°45          | 25°13          | 8°52          | 13°16          | 28°40         | 28° 8          | 21°55          | 4° 6          | S 16 |
| S 17 | 21 38 7  | 23°15'14         | 0 <b>m</b> 44  | 10°56           | 18°26         | 2° 2           | 19°12          | 13°53          | 25°16          | 8°53          | 13°18          | 28°29         | 28° 4          | 22° 2          | 4°10          | S 17 |
| M18  | 21 42 4  | 24°12'57         | 15°32          | 12°51           | 19°40         | 2°42           | 19°17          | 14° 0          | 25°18          | 8°55          | 13°20          | 28°18         | 28° 1          | 22° 9          | 4°15          | M18  |
| T 19 | 21 46 0  | 25°10'41         | 29°58          | 14°48           | 20°55         | 3°21           | 19°23          | 14° 8          | 25°20          | 8°57          | 13°21          | 28° 9         | 27°58          | 22°15          | 4°20          | T 19 |
| W20  | 21 49 57 | 26° 8'26         | 13 <b>≏</b> 55 | 16°46           | 22° 9         | 4° 0           | 19°29          | 14°16          | 25°22          | 8°59          | 13°23          | 28° 2         | 27°55          | 22°22          | 4°25          | W20  |
| T 21 | 21 53 54 | 27° 6'12         | 27°24          | 18°46           | 23°23         | 4°39           | 19°35          | 14°23          | 25°24          | 9° 0          | 13°25          | 27°57         | 27°52          | 22°29          | 4°30          | T 21 |
| F 22 | 21 57 50 | 28° 4'00         | 10 <b>M</b> 25 | 20°46           | 24°37         | 5°18           | 19°41          | 14°31          | 25°26          | 9° 2          | 13°27          | 27°55         | 27°49          | 22°35          | 4°35          | F 22 |
| S 23 | 22 1 47  | 29° 1'49         | 23° 1          | 22°46           | 25°51         | 5°57           | 19°47          | 14°38          | 25°28          | 9° 4          | 13°28          | 27°54         | 27°45          | 22°42          | 4°40          | S 23 |
| S 24 | 22 5 43  | 29°59'38         | 5 <b>₹</b> 18  | 24°46           | 27° 6         | 6°35           | 19°54          | 14°46          | 25°30          | 9° 6          | 13°30          | 27°54         | 27°42          | 22°49          | 4°45          | S 24 |
| M25  | 22 9 40  | 0 <b>m</b> 57'30 | 17°21          | 26°46           | 28°20         | 7°14           | 20° 0          | 14°53          | 25°32          | 9° 8          | 13°32          | 27°54         | 27°39          | 22°55          | 4°51          | M25  |
| T 26 | 22 13 36 | 1°55'22          | 29°15          | 28°46           | 29°34         | 7°53           | 20° 7          | 15° 1          | 25°34          | 9° 9          | 13°34          | 27°51         | 27°36          | 23° 2          | 4°56          | T 26 |
| W27  | 22 17 33 | 2°53'16          | 11중 5          | 0 <b>m</b> 45   | 0 <b>m</b> 49 | 8°31           | 20°14          | 15° 8          | 25°36          | 9°11          | 13°35          | 27°47         | 27°33          | 23° 9          | 5° 1          | W27  |
| T 28 | 22 21 29 | 3°51'11          | 22°55          | 2°44            | 2° 3          | 9° 9           | 20°21          | 15°16          | 25°38          | 9°13          | 13°37          | 27°39         | 27°29          | 23°16          | 5° 7          | T 28 |
| F 29 | 22 25 26 | 4°49'07          | 4≈49           | 4°42            | 3°17          | 9°48           | 20°28          | 15°23          | 25°40          | 9°15          | 13°39          | 27°29         | 27°26          | 23°22          | 5°13          | F 29 |
| S 30 | 22 29 23 | 5°47'05          | 16°49          | 6°38            | 4°32          | 10°26          | 20°35          | 15°31          | 25°41          | 9°17          | 13°40          | 27°17         | 27°23          | 23°29          | 5°18          | S 30 |
| S 31 | 22 33 19 | 6 Mp 45'04       | 28≈57          | 8 <b>m</b> ) 34 | 5 <b>M</b> 46 | 1199 4         | 20 <b>M</b> 43 | 15 <b>Ω</b> 38 | 25 <b>Ⅱ</b> 43 | 9 <b>₽</b> 19 | 13 <b>Ω</b> 42 | 27 <b>8</b> 4 | 27 <b>8</b> 20 | 23 <b>궁</b> 36 | 5 <b>M</b> 24 | S 31 |

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SEPTEMBER 1947 00:00 UT

| Day  | Sid.t    | 0                | D                | Ϋ́             | Ŷ              | ♂      | 4              | ħ              | )/(            | ¥              | Р               | ß              | v              | Ç               | o<br>k         | Day  |
|------|----------|------------------|------------------|----------------|----------------|--------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|-----------------|----------------|------|
| M 1  | 22 37 16 | 7 <b>m</b> 43'05 | 11 <b>) (</b> 14 | 10 <b>m</b> 29 | 7 <b>m</b> ) 1 | 119542 | 20 <b>M</b> 50 | 15 <b>Ω</b> 45 | 25 <b>Ⅱ</b> 45 | 9 <b>₽</b> 21  | 13 <b>Ω</b> 44  | 26°R51         | 27817          | 23 <b>~3</b> 42 | 5 <b>M</b> 30  | M 1  |
| T 2  | 22 41 12 | 8°41'07          | 23°41            | 12°22          | 8°15           | 12°20  | 20°58          | 15°53          | 25°46          | 9°23           | 13°45           | 26 <b>8</b> 38 | 27°14          | 23°49           | 5°36           | T 2  |
| W 3  | 22 45 9  | 9°39'11          | 6 <b>Ƴ</b> 19    | 14°15          | 9°29           | 12°58  | 21° 6          | 16° 0          | 25°48          | 9°25           | 13°47           | 26°28          | 27°10          | 23°56           | 5°42           | W 3  |
| T 4  | 22 49 5  | 10°37'17         | 19° 6            | 16° 6          | 10°44          | 13°35  | 21°14          | 16° 7          | 25°49          | 9°27           | 13°49           | 26°21          | 27° 7          | 24° 2           | 5°48           | T 4  |
| F 5  | 22 53 2  | 11°35'25         | 2 <b>8</b> 5     | 17°56          | 11°58          | 14°13  | 21°22          | 16°15          | 25°51          | 9°29           | 13°50           | 26°16          | 27° 4          | 24° 9           | 5°54           | F 5  |
| S 6  | 22 56 58 | 12°33'35         | 15°17            | 19°45          | 13°13          | 14°51  | 21°30          | 16°22          | 25°52          | 9°31           | 13°52           | 26°14          | 27° 1          | 24°16           | 6° 0           | S 6  |
| S 7  | 23 0 55  | 13°31'47         | 28°42            | 21°32          | 14°27          | 15°28  | 21°38          | 16°29          | 25°53          | 9°33           | 13°54           | 26°D13         | 26°58          | 24°23           | 6° 6           | S 7  |
| M 8  | 23 4 51  | 14°30'01         | 12 <b>Ⅱ</b> 23   | 23°19          | 15°42          | 16° 6  | 21°46          | 16°36          | 25°55          | 9°35           | 13°55           | 26°R14         | 26°54          | 24°29           | 6°13           | M 8  |
| T 9  | 23 8 48  | 15°28'17         | 26°21            | 25° 4          | 16°56          | 16°43  | 21°55          | 16°43          | 25°56          | 9°37           | 13°57           | 26°13          | 26°51          | 24°36           | 6°19           | T 9  |
| W10  | 23 12 45 | 16°26'35         | 10935            | 26°48          | 18°11          | 17°20  | 22° 4          | 16°50          | 25°57          | 9°39           | 13°58           | 26°11          | 26°48          | 24°43           | 6°25           | W10  |
| T 11 | 23 16 41 | 17°24'56         | 25° 5            | 28°31          | 19°26          | 17°57  | 22°12          | 16°57          | 25°58          | 9°41           | 14° 0           | 26° 7          | 26°45          | 24°49           | 6°32           | T 11 |
| F 12 | 23 20 38 | 18°23'18         | 9 <b>Ω</b> 47    | 0 <b>ჲ</b> 13  | 20°40          | 18°34  | 22°21          | 17° 4          | 25°59          | 9°43           | 14° 1           | 26° 0          | 26°42          | 24°56           | 6°38           | F 12 |
| S 13 | 23 24 34 | 19°21'43         | 24°33            | 1°54           | 21°55          | 19°11  | 22°30          | 17°11          | 26° 0          | 9°45           | 14° 3           | 25°51          | 26°39          | 25° 3           | 6°45           | S 13 |
| S 14 | 23 28 31 | 20°20'09         | 9 <b>m</b> 18    | 3°33           | 23° 9          | 19°48  | 22°39          | 17°18          | 26° 1          | 9°47           | 14° 4           | 25°41          | 26°35          | 25° 9           | 6°52           | S 14 |
| M15  | 23 32 27 | 21°18'37         | 23°51            | 5°12           | 24°24          | 20°25  | 22°49          | 17°25          | 26° 2          | 9°50           | 14° 6           | 25°31          | 26°32          | 25°16           | 6°58           | M15  |
| T 16 | 23 36 24 | 22°17'07         | 8 <b>요</b> 7     | 6°49           | 25°39          | 21° 1  | 22°58          | 17°32          | 26° 3          | 9°52           | 14° 7           | 25°22          | 26°29          | 25°23           | 7° 5           | T 16 |
| W17  | 23 40 20 | 23°15'39         | 22° 0            | 8°26           | 26°53          | 21°38  | 23° 7          | 17°39          | 26° 4          | 9°54           | 14° 9           | 25°16          | 26°26          | 25°30           | 7°12           | W17  |
| T 18 | 23 44 17 | 24°14'12         | 5 <b>™</b> 27    | 10° 1          | 28° 8          | 22°14  | 23°17          | 17°45          | 26° 5          | 9°56           | 14°10           | 25°11          | 26°23          | 25°36           | 7°19           | T 18 |
| F 19 | 23 48 14 | 25°12'48         | 18°29            | 11°36          | 29°23          | 22°50  | 23°26          | 17°52          | 26° 6          | 9°58           | 14°12           | 25°10          | 26°20          | 25°43           | 7°26           | F 19 |
| S 20 | 23 52 10 | 26°11'25         | 1 <b>才</b> 8     | 13° 9          | 0 <b>ჲ</b> 37  | 23°26  | 23°36          | 17°59          | 26° 6          | 10° 0          | 14°13           | 25°D10         | 26°16          | 25°50           | 7°33           | S 20 |
| S 21 | 23 56 7  | 27°10'04         | 13°27            | 14°41          | 1°52           | 24° 2  | 23°46          | 18° 5          | 26° 7          | 10° 3          | 14°15           | 25°10          | 26°13          | 25°56           | 7°40           | S 21 |
| M22  | 0 0 3    | 28° 8'44         | 25°32            | 16°12          | 3° 7           | 24°38  | 23°56          | 18°12          | 26° 7          | 10° 5          | 14°16           | 25°R11         | 26°10          | 26° 3           | 7°47           | M22  |
| T 23 | 0 4 0    | 29° 7'27         | 7 <b>云</b> 28    | 17°43          | 4°21           | 25°14  | 24° 6          | 18°18          | 26° 8          | 10° 7          | 14°17           | 25°11          | 26° 7          | 26°10           | 7°54           | T 23 |
| W24  | 0 7 56   | 0 <b>요</b> 6'11  | 19°19            | 19°12          | 5°36           | 25°50  | 24°16          | 18°25          | 26° 9          | 10° 9          | 14°19           | 25° 8          | 26° 4          | 26°17           | 8° 2           | W24  |
| T 25 | 0 11 53  | 1° 4'56          | 1≈11             | 20°40          | 6°51           | 26°25  | 24°26          | 18°31          | 26° 9          | 10°11          | 14°20           | 25° 4          | 26° 0          | 26°23           | 8° 9           | T 25 |
| F 26 | 0 15 49  | 2° 3'44          | 13° 7            | 22° 8          | 8° 6           | 27° 1  | 24°37          | 18°38          | 26° 9          | 10°14          | 14°21           | 24°58          | 25°57          | 26°30           | 8°16           | F 26 |
| S 27 | 0 19 46  | 3° 2'33          | 25°13            | 23°34          | 9°20           | 27°36  | 24°47          | 18°44          | 26°10          | 10°16          | 14°23           | 24°50          | 25°54          | 26°37           | 8°24           | S 27 |
| S 28 | 0 23 43  | 4° 1'24          | 7 <b>∺</b> 29    | 24°59          | 10°35          | 28°11  | 24°58          | 18°50          | 26°10          | 10°18          | 14°24           | 24°40          | 25°51          | 26°43           | 8°31           | S 28 |
| M29  | 0 27 39  | 5° 0'17          | 19°58            | 26°23          | 11°50          | 28°47  | 25° 8          | 18°56          | 26°10          | 10°20          | 14°25           | 24°31          | 25°48          | 26°50           | 8°38           | M29  |
| T 30 | 0 31 36  | 5 <b>≏</b> 59'12 | 2 <b>Υ</b> 41    | 27 <b>≏</b> 46 | 13 <b>♀</b> 5  | 29922  | 25 <b>M</b> 19 | 19Ω 2          | 26 <b>Ⅱ</b> 10 | 10 <b>≏</b> 23 | 14 <b>\O</b> 26 | 24822          | 25 <b>8</b> 45 | 26 <b>පි</b> 57 | 8 <b>M</b> .46 | T 30 |

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| Day  | Sid.t   | 0                 | D              | ğ              | φ               | ♂              | 4              | ħ              | ) <del>/</del> ( | ¥              | Р               | r      | Ω              | Ç     | <del>к</del> 0 | Day  |
|------|---------|-------------------|----------------|----------------|-----------------|----------------|----------------|----------------|------------------|----------------|-----------------|--------|----------------|-------|----------------|------|
| W 1  | 0 35 32 | 6 <b>≏</b> 58'08  | 15 <b>Y</b> 37 | 29 <b>₾</b> 8  | 14 <b>₽</b> 19  | 29956          | 25 <b>M</b> 30 | 19 <b>Ω</b> 8  | 26∏10            | 10 <b>≏</b> 25 | 14 <b>\O</b> 28 | 24°R15 | 25 <b>8</b> 41 | 27る 3 | 8 <b>M</b> .53 | W 1  |
| T 2  | 0 39 29 | 7°57'07           | 28°45          | 0 <b>M</b> 29  | 15°34           | 0 <b>Ω</b> 31  | 25°41          | 19°14          | 26°10            | 10°27          | 14°29           | 24811  | 25°38          | 27°10 | 9° 1           | T 2  |
| F 3  | 0 43 25 | 8°56'08           | 128 6          | 1°48           | 16°49           | 1° 6           | 25°52          | 19°20          | 26°R10           | 10°29          | 14°30           | 24° 8  | 25°35          | 27°17 | 9° 9           | F 3  |
| S 4  | 0 47 22 | 9°55'12           | 25°37          | 3° 6           | 18° 4           | 1°40           | 26° 3          | 19°26          | 26°10            | 10°31          | 14°31           | 24°D 7 | 25°32          | 27°24 | 9°16           | S 4  |
| S 5  | 0 51 18 | 10°54'17          | 9Ⅱ18           | 4°23           | 19°18           | 2°15           | 26°14          | 19°32          | 26°10            | 10°34          | 14°32           | 24° 8  | 25°29          | 27°30 | 9°24           | S 5  |
| M 6  | 0 55 15 | 11°53'25          | 23° 9          | 5°39           | 20°33           | 2°49           | 26°25          | 19°37          | 26°10            | 10°36          | 14°33           | 24° 9  | 25°26          | 27°37 | 9°32           | M 6  |
| T 7  | 0 59 12 | 12°52'36          | 7 <b>9</b> 5 9 | 6°53           | 21°48           | 3°23           | 26°36          | 19°43          | 26°10            | 10°38          | 14°34           | 24°R10 | 25°22          | 27°44 | 9°39           | T 7  |
| W 8  | 1 3 8   | 13°51'48          | 21°17          | 8° 6           | 23° 3           | 3°57           | 26°48          | 19°49          | 26°10            | 10°40          | 14°36           | 24°10  | 25°19          | 27°50 | 9°47           | W 8  |
| T 9  | 1 7 5   | 14°51'03          | 5 <b>Ω</b> 32  | 9°16           | 24°18           | 4°31           | 26°59          | 19°54          | 26° 9            | 10°43          | 14°37           | 24° 8  | 25°16          | 27°57 | 9°55           | T 9  |
| F 10 | 1 11 1  | 15°50'21          | 19°52          | 10°25          | 25°32           | 5° 4           | 27°10          | 20° 0          | 26° 9            | 10°45          | 14°38           | 24° 5  | 25°13          | 28° 4 | 10° 3          | F 10 |
| S 11 | 1 14 58 | 16°49'40          | 4 Mp 13        | 11°33          | 26°47           | 5°38           | 27°22          | 20° 5          | 26° 9            | 10°47          | 14°39           | 24° 0  | 25°10          | 28°11 | 10°11          | S 11 |
| S 12 | 1 18 54 | 17°49'02          | 18°29          | 12°37          | 28° 2           | 6°11           | 27°34          | 20°10          | 26° 8            | 10°49          | 14°40           | 23°54  | 25° 6          | 28°17 | 10°19          | S 12 |
| M13  | 1 22 51 | 18°48'26          | 2 <b>≏</b> 37  | 13°40          | 29°17           | 6°45           | 27°45          | 20°16          | 26° 8            | 10°52          | 14°41           | 23°49  | 25° 3          | 28°24 | 10°27          | M13  |
| T 14 | 1 26 47 | 19°47'52          | 16°31          | 14°40          | 0 <b>M</b> .32  | 7°18           | 27°57          | 20°21          | 26° 7            | 10°54          | 14°41           | 23°44  | 25° 0          | 28°31 | 10°35          | T 14 |
| W15  | 1 30 44 | 20°47'20          | OM 8           | 15°38          | 1°47            | 7°51           | 28° 9          | 20°26          | 26° 7            | 10°56          | 14°42           | 23°40  | 24°57          | 28°37 | 10°43          | W15  |
| T 16 | 1 34 41 | 21°46'51          | 13°25          | 16°32          | 3° 1            | 8°24           | 28°21          | 20°31          | 26° 6            | 10°58          | 14°43           | 23°38  | 24°54          | 28°44 | 10°51          | T 16 |
| F 17 | 1 38 37 | 22°46'23          | 26°21          | 17°23          | 4°16            | 8°56           | 28°33          | 20°36          | 26° 5            | 11° 0          | 14°44           | 23°D38 | 24°51          | 28°51 | 10°59          | F 17 |
| S 18 | 1 42 34 | 23°45'57          | 8 <b>才</b> 58  | 18°11          | 5°31            | 9°29           | 28°45          | 20°41          | 26° 4            | 11° 3          | 14°45           | 23°39  | 24°47          | 28°57 | 11° 7          | S 18 |
| S 19 | 1 46 30 | 24°45'33          | 21°18          | 18°54          | 6°46            | 10° 1          | 28°57          | 20°45          | 26° 4            | 11° 5          | 14°46           | 23°40  | 24°44          | 29° 4 | 11°15          | S 19 |
| M20  | 1 50 27 | 25°45'11          | 3 <b>る</b> 24  | 19°33          | 8° 1            | 10°33          | 29° 9          | 20°50          | 26° 3            | 11° 7          | 14°46           | 23°42  | 24°41          | 29°11 | 11°23          | M20  |
| T 21 | 1 54 23 | 26°44'50          | 15°20          | 20° 7          | 9°16            | 11° 5          | 29°21          | 20°55          | 26° 2            | 11° 9          | 14°47           | 23°44  | 24°38          | 29°18 | 11°31          | T 21 |
| W22  | 1 58 20 | 27°44'32          | 27°13          | 20°36          | 10°31           | 11°37          | 29°34          | 20°59          | 26° 1            | 11°11          | 14°48           | 23°R44 | 24°35          | 29°24 | 11°39          | W22  |
| T 23 | 2 2 16  | 28°44'15          | 9≈ 5           | 20°59          | 11°45           | 12° 9          | 29°46          | 21° 3          | 26° 0            | 11°13          | 14°49           | 23°44  | 24°32          | 29°31 | 11°47          | T 23 |
| F 24 | 2 6 13  | 29°43'59          | 21° 3          | 21°15          | 13° 0           | 12°40          | 29°58          | 21° 8          | 25°59            | 11°16          | 14°49           | 23°42  | 24°28          | 29°38 | 11°56          | F 24 |
| S 25 | 2 10 10 | 0 <b>M</b> 43'46  | 3 <b>∺</b> 10  | 21°25          | 14°15           | 13°11          | 0 <b>才</b> 11  | 21°12          | 25°58            | 11°18          | 14°50           | 23°39  | 24°25          | 29°44 | 12° 4          | S 25 |
| S 26 | 2 14 6  | 1°43'34           | 15°31          | 21°R27         | 15°30           | 13°42          | 0°23           | 21°16          | 25°56            | 11°20          | 14°51           | 23°36  | 24°22          | 29°51 | 12°12          | S 26 |
| M27  | 2 18 3  | 2°43'24           | 28° 8          | 21°20          | 16°45           | 14°13          | 0°36           | 21°20          | 25°55            | 11°22          | 14°51           | 23°33  | 24°19          | 29°58 | 12°20          | M27  |
| T 28 | 2 21 59 | 3°43'15           | 11 <b>Y</b> 2  | 21° 5          | 18° 0           | 14°44          | 0°49           | 21°24          | 25°54            | 11°24          | 14°52           | 23°30  | 24°16          | 0≈ 5  | 12°28          | T 28 |
| W29  | 2 25 56 | 4°43'09           | 24°15          | 20°41          | 19°15           | 15°15          | 1° 1           | 21°28          | 25°53            | 11°26          | 14°52           | 23°27  | 24°12          | 0°11  | 12°37          | W29  |
| T 30 | 2 29 52 | 5°43'04           | 7 <b>8</b> 46  | 20° 7          | 20°29           | 15°45          | 1°14           | 21°32          | 25°51            | 11°28          | 14°53           | 23°25  | 24° 9          | 0°18  | 12°45          | T 30 |
| F 31 | 2 33 49 | 6 <b>M</b> .43'01 | 21831          | 19 <b>M</b> 25 | 21 <b>M</b> .44 | 16 <b>Ω</b> 15 | 1 <b>,₹</b> 27 | 21 <b>£</b> 36 | 25 <b>Ⅱ</b> 50   | 11 <b>≏</b> 30 | 14 <b>Ω</b> 53  | 23°D25 | 248 6          | 0≈25  | 12 <b>M</b> 53 | F 31 |

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| Day          | Sid.t              | 0                             | D                       | ğ                        | ·                      | ď              | 4              | ħ               | )∤(                     | ¥              | В              | ß               | v              | Ç            | ę,             | Day          |
|--------------|--------------------|-------------------------------|-------------------------|--------------------------|------------------------|----------------|----------------|-----------------|-------------------------|----------------|----------------|-----------------|----------------|--------------|----------------|--------------|
| S 1          | 2 37 45            | 7 <b>M</b> 43'01              | 5 <b>Ⅱ</b> 30           | 18°R33                   | 22 <b>M</b> 59         | 16 <b>Ω</b> 45 | 1 <b>₹</b> 39  | 21 <b>\O</b> 39 | 25°R49                  | 11 <b>≏</b> 32 | 14 <b>N</b> 54 | 23 <b>8</b> 25  | 24 <b>8</b> 3  | 0≈31         | 13 <b>M</b> 1  | S 1          |
| S 2<br>M 3   | 2 41 42<br>2 45 39 | 8°43'02<br>9°43'06            | 19°37<br>3 <b>©</b> 50  | 17 <b>M</b> .33<br>16°25 | 24°14<br>25°29         | 17°15<br>17°45 | 1°52<br>2° 5   | 21°43<br>21°46  | 25 <b>Ⅱ</b> 47<br>25°46 | 11°34<br>11°36 | 14°54<br>14°55 | 23°26<br>23°27  | 24° 0<br>23°57 | 0°38<br>0°45 | 13°10<br>13°18 | S 2<br>M 3   |
| T 4          | 2 49 35            | 10°43'11                      | 18° 6                   | 15°12                    | 26°44                  | 18°14          | 2°18           | 21°50           | 25°44                   | 11°38          | 14°55          | 23°28           | 23°53          | 0°52         | 13°26          | T 4          |
| W 5          | 2 53 32            | 11°43'19                      | 2 <b>Ω</b> 20           | 13°55                    | 27°58                  | 18°43          | 2°31           | 21°53           | 25°42                   | 11°40          | 14°55          | 23°29           | 23°50          | 0°58         | 13°35          | W 5          |
| T 6          | 2 57 28            | 12°43'29                      | 16°32                   | 12°36                    | 29°13                  | 19°12          | 2°44           | 21°56           | 25°41                   | 11°42          | 14°56          | 23°R29          | 23°47          | 1° 5         | 13°43          | T 6          |
| F 7<br>S 8   | 3 1 25<br>3 5 21   | 13°43'41<br>14°43'55          | 0 <b>m</b> /38<br>14°37 | 11°18<br>10° 3           | 0 <b>∡</b> 728<br>1°43 | 19°41<br>20° 9 | 2°57<br>3°10   | 21°59<br>22° 2  | 25°39<br>25°37          | 11°44<br>11°46 | 14°56<br>14°56 | 23°29<br>23°28  | 23°44<br>23°41 | 1°12<br>1°18 | 13°51<br>13°59 | F 7<br>S 8   |
| S 9          | 3 9 18             | 15°44'11                      | 28°27                   | 8°54                     | 2°58                   | 20°37          | 3°23           | 22° 5           | 25°36                   | 11°48          | 14°56          | 23°27           | 23°37          | 1°25         | 14° 8          | S 9          |
| M10          | 3 13 14            | 16°44'29                      | 12 <b>♀</b> 6           | 7°53                     | 4°13                   | 21° 5          | 3°36           | 22° 7           | 25°34                   | 11°50          | 14°57          | 23°26           | 23°34          | 1°32         | 14°16          | M10          |
| T 11         | 3 17 11            | 17°44'49                      | 25°33                   | 7° 2                     | 5°28                   | 21°33          | 3°49           | 22°10           | 25°32                   | 11°52          | 14°57          | 23°25           | 23°31          | 1°39         | 14°24          | T 11         |
| W12<br>T 13  | 3 21 8<br>3 25 4   | 18°45'11<br>19°45'34          | 8M.46<br>21°44          | 6°21<br>5°52             | 6°42<br>7°57           | 22° 1<br>22°28 | 4° 2<br>4°16   | 22°13<br>22°15  | 25°30<br>25°28          | 11°54<br>11°56 | 14°57<br>14°57 | 23°25<br>23°D25 | 23°28<br>23°25 | 1°45<br>1°52 | 14°33<br>14°41 | W12<br>T 13  |
| F 14         | 3 2 3 4 3 2 9 1    | 20°45'59                      | 4×727                   | 5°34                     | 9°12                   | 22°55          | 4°29           | 22°17           | 25°26                   | 11°58          | 14°57          | 23°25           | 23°22          | 1°59         | 14°49          | F 14         |
| S 15         | 3 32 57            | 21°46'26                      | 16°55                   | 5°D28                    | 10°27                  | 23°22          | 4°42           | 22°19           | 25°24                   | 12° 0          | 14°57          | 23°25           | 23°18          | 2° 5         | 14°57          | S 15         |
| S 16         | 3 36 54            | 22°46'55                      | 29°11                   | 5°34                     | 11°42                  | 23°48          | 4°55           | 22°22           | 25°22                   | 12° 1          | 14°57          | 23°25           | 23°15          | 2°12         | 15° 6          | S 16         |
| M17          | 3 40 50            | 23°47'24                      | 11 <b>る</b> 15          | 5°49                     | 12°57                  | 24°14          | 5° 9           | 22°24           | 25°20                   | 12° 3          | 14°R57         | 23°R25          | 23°12          | 2°19         | 15°14          | M17          |
| T 18         | 3 44 47            | 24°47'56                      | 23°12                   | 6°15                     | 14°11                  | 24°40          | 5°22           | 22°25           | 25°18                   | 12° 5          | 14°57          | 23°25           | 23° 9          | 2°26         | 15°22          | T 18         |
| W19          | 3 48 43            | 25°48'28                      | 5 <b>≈</b> 4            | 6°49                     | 15°26                  | 25° 6          | 5°35           | 22°27           | 25°16                   | 12° 7          | 14°57          | 23°25           | 23° 6          | 2°32         | 15°30          | W19          |
| T 20<br>F 21 | 3 52 40<br>3 56 37 | 26°49'02<br>27°49'37          | 16°56<br>28°52          | 7°31<br>8°20             | 16°41<br>17°56         | 25°31<br>25°56 | 5°49<br>6° 2   | 22°29<br>22°30  | 25°14<br>25°12          | 12° 8<br>12°10 | 14°57<br>14°57 | 23°24<br>23°D24 | 23° 3<br>22°59 | 2°39<br>2°46 | 15°38<br>15°47 | T 20<br>F 21 |
| S 22         | 4 0 33             | 28°50'13                      | 10 <b>)</b> 57          | 9°15                     | 17 30<br>19°11         | 25°36<br>26°21 | 6°15           | 22°32           | 25° 9                   | 12°10          | 14°57          | 23°25           | 22°56          | 2°52         | 15°55          | S 22         |
|              |                    |                               |                         |                          |                        |                |                |                 |                         |                |                |                 |                |              |                |              |
| S 23<br>M24  | 4 4 30<br>4 8 26   | 29°50'50<br>0 <b>×</b> 751'29 | 23°16<br>5 <b>Y</b> 53  | 10°16<br>11°21           | 20°26<br>21°40         | 26°46<br>27°10 | 6°29<br>6°42   | 22°33<br>22°34  | 25° 7<br>25° 5          | 12°13<br>12°15 | 14°57<br>14°57 | 23°25<br>23°26  | 22°53<br>22°50 | 2°59<br>3° 6 | 16° 3<br>16°11 | S 23<br>M24  |
| T 25         | 4 8 26 4 12 23     | 1°52'08                       | 18°51                   | 11°21<br>12°31           | 21°40<br>22°55         | 27°10<br>27°34 | 6°56           | 22°34<br>22°36  | 25° 3                   | 12°13          | 14°56          | 23°26           | 22°47          | 3°13         | 16°11          | T 25         |
| W26          | 4 16 19            | 2°52'49                       | 2812                    | 12°31                    | 24°10                  | 27°57          | 7° 9           | 22°37           | 25° 0                   | 12°18          | 14°56          | 23°27           | 22°43          | 3°19         | 16°27          | W26          |
| T 27         | 4 20 16            | 3°53'31                       | 15°56                   | 15° 0                    | 25°25                  | 28°20          | 7°22           | 22°37           | 24°58                   | 12°20          | 14°56          | 23°28           | 22°40          | 3°26         | 16°35          | T 27         |
| F 28         | 4 24 12            | 4°54'15                       | 0耳 3                    | 16°18                    | 26°39                  | 28°43          | 7°36           | 22°38           | 24°56                   | 12°21          | 14°56          | 23°R28          | 22°37          | 3°33         | 16°43          | F 28         |
| S 29         | 4 28 9             | 5°54'59                       | 14°27                   | 17°39                    | 27°54                  | 29° 6          | 7°49           | 22°39           | 24°53                   | 12°23          | 14°55          | 23°27           | 22°34          | 3°39         | 16°51          | S 29         |
| S 30         | 4 32 6             | 6 <b>₹</b> 55'45              | 29Ⅱ 4                   | 19 <b>M</b> 2            | 29 <b>×7</b> 9         | 29 <b>Ω</b> 28 | 8 <b>×</b> 7 3 | 22 <b>N</b> 39  | 24 <b>I</b> I51         | 12 <b>≏</b> 24 | 14 <b>Q</b> 55 | 23826           | 22831          | 3≈46         | 16 <b>M</b> 59 | S 30         |

Delta T = 28.18 sec

DECEMBER 1947 00:00 UT

| Day  | Sid.t   | 0                  | D               | φ              | φ             | ♂              | 4               | ħ               | )f(            | ¥              | В              | ₽.     | ಬ     | Ç    | ę,             | Day  |
|------|---------|--------------------|-----------------|----------------|---------------|----------------|-----------------|-----------------|----------------|----------------|----------------|--------|-------|------|----------------|------|
| M 1  | 4 36 2  | 7 <b>.</b> ₹756'33 | 139547          | 20M26          | 0 <b>る</b> 24 | 29 <b>Ω</b> 49 | 8 <b>~</b> 16   | 22 <b>\O</b> 40 | 24°R48         | 12 <b>≏</b> 26 | 14°R55         | 23°R24 | 22828 | 3≈53 | 17 <b>M</b> 7  | M 1  |
| T 2  | 4 39 59 | 8°57'21            | 28°29           | 21°51          | 1°38          | 0 <b>m</b> p11 | 8°30            | 22°40           | 24∏46          | 12°27          | 14 <b>Ω</b> 54 | 23822  | 22°24 | 4° 0 | 17°15          | T 2  |
| W 3  | 4 43 55 | 9°58'11            | 13 <b>N</b> 2   | 23°18          | 2°53          | 0°32           | 8°43            | 22°40           | 24°44          | 12°29          | 14°54          | 23°20  | 22°21 | 4° 6 | 17°23          | W 3  |
| T 4  | 4 47 52 | 10°59'03           | 27°24           | 24°46          | 4° 8          | 0°53           | 8°57            | 22°R41          | 24°41          | 12°30          | 14°53          | 23°19  | 22°18 | 4°13 | 17°31          | T 4  |
| F 5  | 4 51 48 | 11°59'56           | 11 <b>m</b> y30 | 26°14          | 5°23          | 1°13           | 9°10            | 22°41           | 24°39          | 12°31          | 14°53          | 23°D19 | 22°15 | 4°20 | 17°38          | F 5  |
| S 6  | 4 55 45 | 13° 0'50           | 25°20           | 27°43          | 6°37          | 1°33           | 9°24            | 22°40           | 24°36          | 12°33          | 14°52          | 23°19  | 22°12 | 4°26 | 17°46          | S 6  |
| S 7  | 4 59 41 | 14° 1'45           | 8 <b>₾</b> 52   | 29°13          | 7°52          | 1°52           | 9°37            | 22°40           | 24°34          | 12°34          | 14°52          | 23°20  | 22° 9 | 4°33 | 17°54          | S 7  |
| M 8  | 5 3 38  | 15° 2'42           | 22° 9           | 0 <b>,</b> 743 | 9° 7          | 2°11           | 9°50            | 22°40           | 24°31          | 12°35          | 14°51          | 23°22  | 22° 5 | 4°40 | 18° 2          | M 8  |
| T 9  | 5 7 35  | 16° 3'40           | 5 <b>M</b> .11  | 2°14           | 10°21         | 2°30           | 10° 4           | 22°39           | 24°29          | 12°36          | 14°51          | 23°23  | 22° 2 | 4°47 | 18° 9          | T 9  |
| W10  | 5 11 31 | 17° 4'39           | 18° 0           | 3°45           | 11°36         | 2°48           | 10°17           | 22°39           | 24°26          | 12°38          | 14°50          | 23°R24 | 21°59 | 4°53 | 18°17          | W10  |
| T 11 | 5 15 28 | 18° 5'40           | 0 <b>∡</b> 37   | 5°16           | 12°51         | 3° 6           | 10°31           | 22°38           | 24°24          | 12°39          | 14°49          | 23°24  | 21°56 | 5° 0 | 18°25          | T 11 |
| F 12 | 5 19 24 | 19° 6'41           | 13° 3           | 6°47           | 14° 6         | 3°23           | 10°44           | 22°37           | 24°21          | 12°40          | 14°49          | 23°23  | 21°53 | 5° 7 | 18°32          | F 12 |
| S 13 | 5 23 21 | 20° 7'43           | 25°19           | 8°19           | 15°20         | 3°40           | 10°58           | 22°37           | 24°18          | 12°41          | 14°48          | 23°20  | 21°49 | 5°13 | 18°40          | S 13 |
| S 14 | 5 27 17 | 21° 8'46           | 7 <b>궁</b> 27   | 9°51           | 16°35         | 3°56           | 11°11           | 22°35           | 24°16          | 12°42          | 14°47          | 23°15  | 21°46 | 5°20 | 18°47          | S 14 |
| M15  | 5 31 14 | 22° 9'49           | 19°27           | 11°23          | 17°49         | 4°12           | 11°24           | 22°34           | 24°13          | 12°43          | 14°46          | 23°10  | 21°43 | 5°27 | 18°54          | M15  |
| T 16 | 5 35 10 | 23°10'54           | 1≈21            | 12°56          | 19° 4         | 4°27           | 11°38           | 22°33           | 24°11          | 12°44          | 14°46          | 23° 5  | 21°40 | 5°34 | 19° 2          | T 16 |
| W17  | 5 39 7  | 24°11'58           | 13°13           | 14°28          | 20°19         | 4°42           | 11°51           | 22°32           | 24° 8          | 12°45          | 14°45          | 22°59  | 21°37 | 5°40 | 19° 9          | W17  |
| T 18 | 5 43 4  | 25°13'03           | 25° 4           | 16° 1          | 21°33         | 4°56           | 12° 4           | 22°30           | 24° 6          | 12°46          | 14°44          | 22°54  | 21°34 | 5°47 | 19°16          | T 18 |
| F 19 | 5 47 0  | 26°14'09           | 6 <b>¥</b> 58   | 17°34          | 22°48         | 5°10           | 12°18           | 22°29           | 24° 3          | 12°47          | 14°43          | 22°51  | 21°30 | 5°54 | 19°24          | F 19 |
| S 20 | 5 50 57 | 27°15'15           | 19° 0           | 19° 7          | 24° 2         | 5°23           | 12°31           | 22°27           | 24° 0          | 12°48          | 14°42          | 22°49  | 21°27 | 6° 0 | 19°31          | S 20 |
| S 21 | 5 54 53 | 28°16'21           | 1 <b>Υ</b> 14   | 20°40          | 25°17         | 5°36           | 12°44           | 22°25           | 23°58          | 12°49          | 14°42          | 22°D49 | 21°24 | 6° 7 | 19°38          | S 21 |
| M22  | 5 58 50 | 29°17'27           | 13°45           | 22°13          | 26°31         | 5°48           | 12°58           | 22°23           | 23°55          | 12°50          | 14°41          | 22°50  | 21°21 | 6°14 | 19°45          | M22  |
| T 23 | 6 2 46  | 0 <b>궁</b> 18'33   | 26°37           | 23°47          | 27°46         | 5°59           | 13°11           | 22°21           | 23°53          | 12°50          | 14°40          | 22°51  | 21°18 | 6°21 | 19°52          | T 23 |
| W24  | 6 6 43  | 1°19'40            | 9 <b>8</b> 55   | 25°20          | 29° 0         | 6°10           | 13°24           | 22°19           | 23°50          | 12°51          | 14°39          | 22°53  | 21°15 | 6°27 | 19°59          | W24  |
| T 25 | 6 10 39 | 2°20'47            | 23°40           | 26°54          | 0≈15          | 6°20           | 13°37           | 22°17           | 23°48          | 12°52          | 14°38          | 22°R53 | 21°11 | 6°34 | 20° 6          | T 25 |
| F 26 | 6 14 36 | 3°21'54            | 7 <b>Ⅱ</b> 53   | 28°28          | 1°29          | 6°30           | 13°50           | 22°15           | 23°45          | 12°53          | 14°37          | 22°52  | 21° 8 | 6°41 | 20°13          | F 26 |
| S 27 | 6 18 33 | 4°23'01            | 22°31           | 0ට 3           | 2°44          | 6°39           | 14° 3           | 22°13           | 23°43          | 12°53          | 14°36          | 22°49  | 21° 5 | 6°48 | 20°19          | S 27 |
| S 28 | 6 22 29 | 5°24'09            | 79529           | 1°37           | 3°58          | 6°48           | 14°16           | 22°10           | 23°40          | 12°54          | 14°35          | 22°44  | 21° 2 | 6°54 | 20°26          | S 28 |
| M29  | 6 26 26 | 6°25'17            | 22°37           | 3°12           | 5°12          | 6°56           | 14°29           | 22° 8           | 23°38          | 12°55          | 14°34          | 22°38  | 20°59 | 7° 1 | 20°33          | M29  |
| T 30 | 6 30 22 | <u>7</u> °26'25    | $7\Omega$ 46    | <u>4</u> °48   | 6°27          | 7° 3           | 14°42           | 22° 5           | 23°35          | 12°55          | 14°33          | 22°31  | 20°55 | 7° 8 | 20°39          | T 30 |
| W31  | 6 34 19 | 8 <b>궁</b> 27'33   | 22 <b>Ω</b> 45  | 6 <b>ප</b> 23  | 7≈41          | 7 <b>m</b> , 9 | 14 <b>×</b> 755 | 22 <b>N</b> 2   | 23 <b>Ⅱ</b> 33 | 12 <b>≏</b> 56 | 14 <b>Ω</b> 32 | 22824  | 20852 | 7≈14 | 20 <b>M</b> 46 | W31  |

Delta T = 28.21 sec

JANUARY 1948 00:00 UT

| Day  | Sid.t   | 0                | D               | ğ             | ·              | ♂              | 4              | ħ              | )ф(    | ¥              | В              | n              | Ω              | ţ     | ķ              | Day  |
|------|---------|------------------|-----------------|---------------|----------------|----------------|----------------|----------------|--------|----------------|----------------|----------------|----------------|-------|----------------|------|
| T 1  | 6 38 15 | 9 <b>ට</b> 28'42 | 7 <b>m</b> )26  | 7 <b>云</b> 59 | 8≈55           | 7 <b>m</b> )15 | 15 <b>₹</b> 8  | 21°R59         | 23°R30 | 12 <b>Ω</b> 56 | 14°R31         | 22°R18         | 20849          | 7≈21  | 20 <b>M</b> 52 | T 1  |
| F 2  | 6 42 12 | 10°29'51         | 21°45           | 9°35          | 10°10          | 7°20           | 15°21          | 21 <b>Ω</b> 56 | 23Ⅲ28  | 12°57          | 14 <b>Ω</b> 29 | 22815          | 20°46          | 7°28  | 20°59          | F 2  |
| S 3  | 6 46 9  | 11°31'00         | 5 <b>₾</b> 39   | 11°11         | 11°24          | 7°25           | 15°34          | 21°53          | 23°25  | 12°57          | 14°28          | 22°D13         | 20°43          | 7°35  | 21° 5          | S 3  |
| S 4  | 6 50 5  | 12°32'10         | 19°8            | 12°48         | 12°38          | 7°29           | 15°47          | 21°50          | 23°23  | 12°57          | 14°27          | 22°13          | 20°40          | 7°41  | 21°11          | S 4  |
| M 5  | 6 54 2  | 13°33'20         | 2 <b>M</b> 15   | 14°25         | 13°52          | 7°32           | 15°59          | 21°47          | 23°21  | 12°58          | 14°26          | 22°14          | 20°36          | 7°48  | 21°18          | M 5  |
| T 6  | 6 57 58 | 14°34'30         | 15° 3           | 16° 3         | 15° 6          | 7°34           | 16°12          | 21°44          | 23°18  | 12°58          | 14°25          | 22°15          | 20°33          | 7°55  | 21°24          | T 6  |
| W 7  | 7 1 55  | 15°35'41         | 27°35           | 17°41         | 16°20          | 7°36           | 16°25          | 21°40          | 23°16  | 12°58          | 14°24          | 22°R15         | 20°30          | 8° 1  | 21°30          | W 7  |
| T 8  | 7 5 5 1 | 16°36'51         | 9 <b>∡</b> 755  | 19°19         | 17°34          | 7°36           | 16°37          | 21°37          | 23°14  | 12°59          | 14°22          | 22°13          | 20°27          | 8° 8  | 21°36          | T 8  |
| F 9  | 7 9 48  | 17°38'02         | 22° 6           | 20°58         | 18°48          | 7°R37          | 16°50          | 21°33          | 23°11  | 12°59          | 14°21          | 22° 9          | 20°24          | 8°15  | 21°42          | F 9  |
| S 10 | 7 13 44 | 18°39'12         | 4 <b>궁</b> 10   | 22°37         | 20° 2          | 7°36           | 17° 2          | 21°29          | 23° 9  | 12°59          | 14°20          | 22° 2          | 20°21          | 8°22  | 21°47          | S 10 |
| S 11 | 7 17 41 | 19°40'22         | 16° 9           | 24°17         | 21°16          | 7°34           | 17°15          | 21°26          | 23° 7  | 12°59          | 14°19          | 21°52          | 20°17          | 8°28  | 21°53          | S 11 |
| M12  | 7 21 38 | 20°41'32         | 28° 4           | 25°57         | 22°30          | 7°32           | 17°27          | 21°22          | 23° 5  | 12°59          | 14°17          | 21°41          | 20°14          | 8°35  | 21°59          | M12  |
| T 13 | 7 25 34 | 21°42'42         | 9 <b>≈</b> 57   | 27°37         | 23°44          | 7°29           | 17°40          | 21°18          | 23° 3  | 12°59          | 14°16          | 21°29          | 20°11          | 8°42  | 22° 4          | T 13 |
| W14  | 7 29 31 | 22°43'51         | 21°48           | 29°18         | 24°58          | 7°25           | 17°52          | 21°14          | 23° 0  | 13° 0          | 14°15          | 21°16          | 20° 8          | 8°48  | 22°10          | W14  |
| T 15 | 7 33 27 | 23°45'00         | 3 <b>) (</b> 40 | 0≈59          | 26°12          | 7°20           | 18° 4          | 21°10          | 22°58  | 13°R 0         | 14°13          | 21° 5          | 20° 5          | 8°55  | 22°15          | T 15 |
| F 16 | 7 37 24 | 24°46'07         | 15°35           | 2°40          | 27°26          | 7°15           | 18°16          | 21° 6          | 22°56  | 13° 0          | 14°12          | 20°56          | 20° 1          | 9° 2  | 22°21          | F 16 |
| S 17 | 7 41 20 | 25°47'15         | 27°37           | 4°21          | 28°39          | 7° 9           | 18°28          | 21° 2          | 22°54  | 12°59          | 14°11          | 20°49          | 19°58          | 9° 9  | 22°26          | S 17 |
| S 18 | 7 45 17 | 26°48'21         | 9 <b>Ƴ</b> 48   | 6° 3          | 29°53          | 7° 2           | 18°40          | 20°58          | 22°52  | 12°59          | 14°10          | 20°45          | 19°55          | 9°15  | 22°31          | S 18 |
| M19  | 7 49 13 | 27°49'27         | 22°14           | 7°45          | 1 <b>∺</b> 7   | 6°54           | 18°52          | 20°53          | 22°50  | 12°59          | 14° 8          | 20°44          | 19°52          | 9°22  | 22°36          | M19  |
| T 20 | 7 53 10 | 28°50'31         | 4 <b>8</b> 59   | 9°27          | 2°20           | 6°45           | 19° 4          | 20°49          | 22°48  | 12°59          | 14° 7          | 20°D44         | 19°49          | 9°29  | 22°41          | T 20 |
| W21  | 7 57 7  | 29°51'35         | 18° 7           | 11° 8         | 3°34           | 6°36           | 19°16          | 20°45          | 22°46  | 12°59          | 14° 5          | 20°R44         | 19°46          | 9°36  | 22°46          | W21  |
| T 22 | 8 1 3   | 0≈52'38          | 1 <b>Ⅱ</b> 43   | 12°50         | 4°47           | 6°25           | 19°28          | 20°40          | 22°44  | 12°59          | 14° 4          | 20°44          | 19°42          | 9°42  | 22°51          | T 22 |
| F 23 | 8 5 0   | 1°53'40          | 15°48           | 14°31         | 6° 1           | 6°14           | 19°39          | 20°36          | 22°43  | 12°58          | 14° 3          | 20°41          | 19°39          | 9°49  | 22°56          | F 23 |
| S 24 | 8 8 56  | 2°54'42          | 0923            | 16°12         | 7°14           | 6° 2           | 19°51          | 20°31          | 22°41  | 12°58          | 14° 1          | 20°37          | 19°36          | 9°56  | 23° 0          | S 24 |
| S 25 | 8 12 53 | 3°55'42          | 15°22           | 17°51         | 8°27           | 5°50           | 20° 3          | 20°27          | 22°39  | 12°58          | 14° 0          | 20°29          | 19°33          | 10° 2 | 23° 5          | S 25 |
| M26  | 8 16 49 | 4°56'41          | $0\Omega$ 39    | 19°30         | 9°41           | 5°36           | 20°14          | 20°22          | 22°37  | 12°57          | 13°59          | 20°19          | 19°30          | 10° 9 | 23° 9          | M26  |
| T 27 | 8 20 46 | 5°57'40          | 16° 1           | 21° 7         | 10°54          | 5°22           | 20°25          | 20°18          | 22°36  | 12°57          | 13°57          | 20° 8          | 19°27          | 10°16 | 23°14          | T 27 |
| W28  | 8 24 43 | 6°58'37          | 1 <b>m</b> )19  | 22°43         | 12° 7          | 5° 7           | 20°37          | 20°13          | 22°34  | 12°57          | 13°56          | 19°57          | 19°23          | 10°23 | 23°18          | W28  |
| T 29 | 8 28 39 | 7°59'34          | 16°19           | 24°16         | 13°20          | 4°52           | 20°48          | 20° 8          | 22°32  | 12°56          | 13°54          | 19°47          | 19°20          | 10°29 | 23°22          | T 29 |
| F 30 | 8 32 36 | 9° 0'30          | 0 <b>ჲ</b> 54   | 25°47         | 14°33          | 4°36           | 20°59          | 20° 4          | 22°31  | 12°56          | 13°53          | 19°40          | 19°17          | 10°36 | 23°26          | F 30 |
| S 31 | 8 36 32 | 10≈ 1'25         | 15 <b>♀</b> 1   | 27≈14         | 15 <b>∺</b> 46 | 4 <b>TD</b> 19 | 21 <b>×</b> 10 | 19 <b>Ω</b> 59 | 22∏29  | 12 <b>≏</b> 55 | 13 <b>N</b> 52 | 19 <b>8</b> 36 | 19 <b>8</b> 14 | 10≈43 | 23 <b>M</b> 30 | S 31 |

Delta T = 28.24 sec

FEBRUARY 1948 00:00 UT

| Day  | Sid.t    | 0                | )               | ğ             | φ              | ð              | 4               | ħ              | <b>)</b> f      | ¥              | Р              | R              | Ω              | Ç              | Š.             | Day  |
|------|----------|------------------|-----------------|---------------|----------------|----------------|-----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|
| S 1  | 8 40 29  | 11≈ 2'19         | 28 <b>≏</b> 38  | 28≈38         | 16 <b>米</b> 59 | 4°R 1          | 21 <b>×</b> 121 | 19°R54         | 22°R28          | 12°R55         | 13°R50         | 19°R34         | 19 <b>8</b> 11 | 10≈49          | 23 <b>M</b> 34 | S 1  |
| M 2  | 8 44 25  | 12° 3'13         | 11 <b>ML</b> 48 | 29°58         | 18°12          | 3 <b>m</b> 43  | 21°32           | 19 <b>Ω</b> 49 | 22 <b>II</b> 26 | 12 <b>≏</b> 54 | 13 <b>Ω</b> 49 | 19 <b>8</b> 33 | 19° 7          | 10°56          | 23°38          | M 2  |
| T 3  | 8 48 22  | 13° 4'06         | 24°33           | 1 <b>)</b> 12 | 19°24          | 3°24           | 21°43           | 19°44          | 22°25           | 12°53          | 13°47          | 19°33          | 19° 4          | 11° 3          | 23°42          | T 3  |
| W 4  | 8 52 18  | 14° 4'58         | 7 <b>,₹</b> 0   | 2°20          | 20°37          | 3° 4           | 21°53           | 19°40          | 22°24           | 12°53          | 13°46          | 19°32          | 19° 1          | 11°10          | 23°45          | W 4  |
| T 5  | 8 56 15  | 15° 5'50         | 19°13           | 3°22          | 21°50          | 2°44           | 22° 4           | 19°35          | 22°22           | 12°52          | 13°44          | 19°29          | 18°58          | 11°16          | 23°49          | T 5  |
| F 6  | 9 0 12   | 16° 6'40         | 1 <b>る</b> 15   | 4°16          | 23° 2          | 2°23           | 22°15           | 19°30          | 22°21           | 12°51          | 13°43          | 19°24          | 18°55          | 11°23          | 23°52          | F 6  |
| S 7  | 9 4 8    | 17° 7'30         | 13°11           | 5° 2          | 24°14          | 2° 2           | 22°25           | 19°25          | 22°20           | 12°51          | 13°42          | 19°15          | 18°52          | 11°30          | 23°55          | S 7  |
| S 8  | 9 8 5    | 18° 8'18         | 25° 4           | 5°39          | 25°27          | 1°41           | 22°35           | 19°20          | 22°19           | 12°50          | 13°40          | 19° 3          | 18°48          | 11°37          | 23°59          | S 8  |
| M 9  | 9 12 1   | 19° 9'05         | 6≈56            | 6° 7          | 26°39          | 1°18           | 22°45           | 19°15          | 22°18           | 12°49          | 13°39          | 18°49          | 18°45          | 11°43          | 24° 2          | M 9  |
| T 10 | 9 15 58  | 20° 9'51         | 18°48           | 6°24          | 27°51          | 0°56           | 22°56           | 19°10          | 22°17           | 12°48          | 13°37          | 18°34          | 18°42          | 11°50          | 24° 5          | T 10 |
| W11  | 9 19 54  | 21°10'36         | 0 <b>∺</b> 41   | 6°R31         | 29° 3          | 0°33           | 23° 6           | 19° 5          | 22°16           | 12°47          | 13°36          | 18°19          | 18°39          | 11°57          | 24° 7          | W11  |
| T 12 | 9 23 51  | 22°11'19         | 12°38           | 6°27          | 0 <b>Υ</b> 15  | 0°10           | 23°15           | 19° 0          | 22°15           | 12°47          | 13°35          | 18° 5          | 18°36          | 12° 3          | 24°10          | T 12 |
| F 13 | 9 27 47  | 23°12'01         | 24°39           | 6°13          | 1°27           | 29 <b>Ω</b> 47 | 23°25           | 18°56          | 22°14           | 12°46          | 13°33          | 17°53          | 18°33          | 12°10          | 24°13          | F 13 |
| S 14 | 9 31 44  | 24°12'41         | 6 <b>Ƴ</b> 46   | 5°48          | 2°39           | 29°23          | 23°35           | 18°51          | 22°13           | 12°45          | 13°32          | 17°45          | 18°29          | 12°17          | 24°15          | S 14 |
| S 15 | 9 35 40  | 25°13'19         | 19° 2           | 5°13          | 3°51           | 29° 0          | 23°44           | 18°46          | 22°12           | 12°44          | 13°30          | 17°39          | 18°26          | 12°24          | 24°18          | S 15 |
| M16  | 9 39 37  | 26°13'56         | 1830            | 4°29          | 5° 3           | 28°36          | 23°54           | 18°41          | 22°12           | 12°43          | 13°29          | 17°36          | 18°23          | 12°30          | 24°20          | M16  |
| T 17 | 9 43 34  | 27°14'31         | 14°13           | 3°38          | 6°14           | 28°12          | 24° 3           | 18°36          | 22°11           | 12°42          | 13°28          | 17°D35         | 18°20          | 12°37          | 24°22          | T 17 |
| W18  | 9 47 30  | 28°15'05         | 27°16           | 2°40          | 7°26           | 27°48          | 24°12           | 18°31          | 22°10           | 12°41          | 13°26          | 17°R35         | 18°17          | 12°44          | 24°25          | W18  |
| T 19 | 9 51 27  | 29°15'36         | 10 <b>Ⅱ</b> 43  | 1°37          | 8°37           | 27°24          | 24°22           | 18°27          | 22°10           | 12°40          | 13°25          | 17°35          | 18°13          | 12°51          | 24°27          | T 19 |
| F 20 | 9 55 23  | 0 <b>∺</b> 16'06 | 24°35           | 0°31          | 9°48           | 27° 0          | 24°31           | 18°22          | 22° 9           | 12°38          | 13°23          | 17°33          | 18°10          | 12°57          | 24°28          | F 20 |
| S 21 | 9 59 20  | 1°16'34          | 8 <b>9</b> 55   | 29≈24         | 10°59          | 26°36          | 24°39           | 18°17          | 22° 9           | 12°37          | 13°22          | 17°29          | 18° 7          | 13° 4          | 24°30          | S 21 |
| S 22 | 10 3 16  | 2°17'00          | 23°41           | 28°17         | 12°10          | 26°13          | 24°48           | 18°13          | 22° 8           | 12°36          | 13°21          | 17°22          | 18° 4          | 13°11          | 24°32          | S 22 |
| M23  | 10 7 13  | 3°17'24          | 8 <b>Ω</b> 46   | 27°12         | 13°21          | 25°49          | 24°57           | 18° 8          | 22° 8           | 12°35          | 13°19          | 17°12          | 18° 1          | 13°17          | 24°33          | M23  |
| T 24 | 10 11 10 | 4°17'47          | 24° 2           | 26°11         | 14°32          | 25°26          | 25° 5           | 18° 3          | 22° 7           | 12°34          | 13°18          | 17° 1          | 17°58          | 13°24          | 24°35          | T 24 |
| W25  | 10 15 6  | 5°18'07          | 9 <b>m</b> 18   | 25°14         | 15°43          | 25° 3          | 25°14           | 17°59          | 22° 7           | 12°33          | 13°17          | 16°51          | 17°54          | 13°31          | 24°36          | W25  |
| T 26 | 10 19 3  | 6°18'26          | 24°23           | 24°22         | 16°53          | 24°41          | 25°22           | 17°54          | 22° 7           | 12°31          | 13°16          | 16°41          | 17°51          | 13°38          | 24°37          | T 26 |
| F 27 | 10 22 59 | 7°18'43          | 9 <b>₾</b> 7    | 23°37         | 18° 4          | 24°19          | 25°30           | 17°50          | 22° 7           | 12°30          | 13°14          | 16°34          | 17°48          | 13°44          | 24°39          | F 27 |
| S 28 | 10 26 56 | 8°18'59          | 23°24           | 22°59         | 19°14          | 23°57          | 25°38           | 17°45          | 22° 7           | 12°29          | 13°13          | 16°29          | 17°45          | 13°51          | 24°40          | S 28 |
| S 29 | 10 30 52 | 9 <b>∺</b> 19'13 | 7 <b>M</b> 11   | 22≈28         | 20 <b>Y</b> 24 | 23€35          | 25 <b>×</b> 746 | 17 <b>Ω</b> 41 | 22 <b>II</b> 7  | 12 <b>≏</b> 28 | 13 <b>Ω</b> 12 | 16 <b>8</b> 27 | 17842          | 13 <b>≈</b> 58 | 24 <b>M</b> 41 | S 29 |

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| Day  | Sid.t    | 0                 | D               | ğ              | φ              | ♂                     | 4               | ħ              | )f(            | ħ              | Р              | 'n     | Ω              | Ç     | ę,     | Day  |
|------|----------|-------------------|-----------------|----------------|----------------|-----------------------|-----------------|----------------|----------------|----------------|----------------|--------|----------------|-------|--------|------|
| M 1  | 10 34 49 | 10 <b>)</b> 19′26 | 20M29           | 22°R 4         | 21 <b>Y</b> 34 | 23°R15                | 25 <b>×</b> 754 | 17°R37         | 22°D 7         | 12°R26         | 13°R10         | 16°D27 | 17 <b>8</b> 39 | 14≈ 4 | 24M41  | M 1  |
| T 2  | 10 38 45 | 11°19'37          | 3 <b>∡</b> 121  | 21≈47          | 22°44          | $22$ <b>\Omega</b> 54 | 26° 1           | 17 <b>£</b> 32 | 22 <b>II</b> 7 | 12 <b>≏</b> 25 | 13 <b>N</b> 9  | 16827  | 17°35          | 14°11 | 24°42  | T 2  |
| W 3  | 10 42 42 | 12°19'47          | 15°51           | 21°36          | 23°53          | 22°34                 | 26° 9           | 17°28          | 22° 7          | 12°24          | 13° 8          | 16°R28 | 17°32          | 14°18 | 24°43  | W 3  |
| T 4  | 10 46 38 | 13°19'55          | 28° 4           | 21°D33         | 25° 3          | 22°15                 | 26°16           | 17°24          | 22° 7          | 12°22          | 13° 7          | 16°26  | 17°29          | 14°25 | 24°43  | T 4  |
| F 5  | 10 50 35 | 14°20'02          | 10る 5           | 21°36          | 26°13          | 21°56                 | 26°23           | 17°20          | 22° 7          | 12°21          | 13° 6          | 16°23  | 17°26          | 14°31 | 24°43  | F 5  |
| S 6  | 10 54 32 | 15°20'07          | 21°59           | 21°45          | 27°22          | 21°38                 | 26°30           | 17°16          | 22° 7          | 12°19          | 13° 4          | 16°17  | 17°23          | 14°38 | 24°44  | S 6  |
| S 7  | 10 58 28 | 16°20'10          | 3≈50            | 22° 0          | 28°31          | 21°21                 | 26°37           | 17°12          | 22° 8          | 12°18          | 13° 3          | 16° 9  | 17°19          | 14°45 | 24°44  | S 7  |
| M 8  | 11 2 25  | 17°20'12          | 15°41           | 22°21          | 29°40          | 21° 4                 | 26°44           | 17° 8          | 22° 8          | 12°16          | 13° 2          | 15°58  | 17°16          | 14°52 | 24°R44 | M 8  |
| T 9  | 11 621   | 18°20'12          | 27°34           | 22°46          | 0 <b>8</b> 49  | 20°48                 | 26°50           | 17° 4          | 22° 9          | 12°15          | 13° 1          | 15°47  | 17°13          | 14°58 | 24°44  | T 9  |
| W10  | 11 10 18 | 19°20'09          | 9 <b>∺</b> 32   | 23°17          | 1°57           | 20°32                 | 26°57           | 17° 0          | 22° 9          | 12°14          | 13° 0          | 15°36  | 17°10          | 15° 5 | 24°43  | W10  |
| T 11 | 11 14 14 | 20°20'05          | 21°37           | 23°52          | 3° 6           | 20°18                 | 27° 3           | 16°57          | 22°10          | 12°12          | 12°59          | 15°25  | 17° 7          | 15°12 | 24°43  | T 11 |
| F 12 | 11 18 11 | 21°20'00          | 3 <b>Υ</b> 48   | 24°31          | 4°14           | 20° 4                 | 27° 9           | 16°53          | 22°10          | 12°11          | 12°58          | 15°16  | 17° 4          | 15°18 | 24°43  | F 12 |
| S 13 | 11 22 7  | 22°19'52          | 16° 7           | 25°14          | 5°22           | 19°51                 | 27°15           | 16°50          | 22°11          | 12° 9          | 12°57          | 15°10  | 17° 0          | 15°25 | 24°42  | S 13 |
| S 14 | 11 26 4  | 23°19'42          | 28°36           | 26° 0          | 6°30           | 19°38                 | 27°21           | 16°46          | 22°11          | 12° 7          | 12°56          | 15° 6  | 16°57          | 15°32 | 24°41  | S 14 |
| M15  | 11 30 1  | 24°19'29          | 11816           | 26°50          | 7°38           | 19°27                 | 27°27           | 16°43          | 22°12          | 12° 6          | 12°55          | 15°D 5 | 16°54          | 15°39 | 24°41  | M15  |
| T 16 | 11 33 57 | 25°19'15          | 24° 9           | 27°44          | 8°46           | 19°16                 | 27°32           | 16°39          | 22°13          | 12° 4          | 12°54          | 15° 5  | 16°51          | 15°45 | 24°40  | T 16 |
| W17  | 11 37 54 | 26°18'59          | 7 <b>Ⅱ</b> 17   | 28°40          | 9°53           | 19° 6                 | 27°37           | 16°36          | 22°14          | 12° 3          | 12°53          | 15° 6  | 16°48          | 15°52 | 24°39  | W17  |
| T 18 | 11 41 50 | 27°18'40          | 20°44           | 29°39          | 11° 1          | 18°57                 | 27°43           | 16°33          | 22°15          | 12° 1          | 12°52          | 15°R 7 | 16°44          | 15°59 | 24°38  | T 18 |
| F 19 | 11 45 47 | 28°18'19          | 4930            | 0 <b>)</b> €41 | 12° 8          | 18°48                 | 27°48           | 16°30          | 22°16          | 12° 0          | 12°51          | 15° 7  | 16°41          | 16° 5 | 24°37  | F 19 |
| S 20 | 11 49 43 | 29°17'56          | 18°37           | 1°45           | 13°14          | 18°40                 | 27°52           | 16°27          | 22°17          | 11°58          | 12°50          | 15° 5  | 16°38          | 16°12 | 24°35  | S 20 |
| S 21 | 11 53 40 | 0 <b>Υ</b> 17'30  | 3 <b>Ω</b> 3    | 2°52           | 14°21          | 18°34                 | 27°57           | 16°24          | 22°18          | 11°56          | 12°49          | 15° 2  | 16°35          | 16°19 | 24°34  | S 21 |
| M22  | 11 57 36 | 1°17'02           | 17°47           | 4° 1           | 15°27          | 18°27                 | 28° 2           | 16°22          | 22°19          | 11°55          | 12°48          | 14°56  | 16°32          | 16°26 | 24°33  | M22  |
| T 23 | 12 1 33  | 2°16'32           | 2 Mp 40         | 5°12           | 16°33          | 18°22                 | 28° 6           | 16°19          | 22°20          | 11°53          | 12°47          | 14°50  | 16°29          | 16°32 | 24°31  | T 23 |
| W24  | 12 5 30  | 3°16'00           | 17°37           | 6°25           | 17°39          | 18°18                 | 28°10           | 16°16          | 22°21          | 11°52          | 12°46          | 14°43  | 16°25          | 16°39 | 24°29  | W24  |
| T 25 | 12 9 26  | 4°15'25           | 2 <b>≏</b> 27   | 7°40           | 18°45          | 18°14                 | 28°14           | 16°14          | 22°22          | 11°50          | 12°46          | 14°38  | 16°22          | 16°46 | 24°27  | T 25 |
| F 26 | 12 13 23 | 5°14'48           | 17° 2           | 8°57           | 19°50          | 18°11                 | 28°18           | 16°12          | 22°24          | 11°48          | 12°45          | 14°33  | 16°19          | 16°53 | 24°26  | F 26 |
| S 27 | 12 17 19 | 6°14'09           | 1 <b>M</b> .16  | 10°16          | 20°56          | 18° 9                 | 28°22           | 16° 9          | 22°25          | 11°47          | 12°44          | 14°31  | 16°16          | 16°59 | 24°24  | S 27 |
| S 28 | 12 21 16 | 7°13'29           | 15° 6           | 11°37          | 22° 0          | 18° 7                 | 28°25           | 16° 7          | 22°27          | 11°45          | 12°43          | 14°D30 | 16°13          | 17° 6 | 24°21  | S 28 |
| M29  | 12 25 12 | 8°12'47           | 28°29           | 12°59          | 23° 5          | 18° 6                 | 28°28           | 16° 5          | 22°28          | 11°43          | 12°43          | 14°31  | 16°10          | 17°13 | 24°19  | M29  |
| T 30 | 12 29 9  | 9°12'02           | 11 <b>×</b> 127 | 14°23          | 24° 9          | 18°D 6                | 28°31           | 16° 3          | 22°30          | 11°42          | 12°42          | 14°32  | 16° 6          | 17°19 | 24°17  | T 30 |
| W31  | 12 33 5  | 10 <b>Υ</b> 11'17 | 24 <b>⋌</b> 3   | 15 <b>)</b> 49 | 25 <b>8</b> 14 | 18 <b>Ω</b> 7         | 28 <b>~</b> 34  | 16 <b>Ω</b> 1  | 22 <b>∏</b> 31 | 11 <b>≏</b> 40 | 12 <b>Ω</b> 41 | 14834  | 16 <b>8</b> 3  | 17≈26 | 24M15  | W31  |

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| Day  | Sid.t    | 0                 | )              | φ              | φ              | ð              | 4              | ħ              | <b>)</b> f      | ¥              | Р               | R      | Ω             | Ç     | Š.             | Day  |
|------|----------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|-----------------|--------|---------------|-------|----------------|------|
| T 1  | 12 37 2  | 11 <b>Y</b> 10'29 | 6 <b>ට</b> 20  | 17 <b>)</b> 16 | 26817          | 18 <b>N</b> 8  | 28 <b>×</b> 37 | 15°R59         | 22 <b>II</b> 33 | 11°R38         | 12°R41          | 14°R35 | 16 <b>8</b> 0 | 17≈33 | 24°R12         | T 1  |
| F 2  | 12 40 59 | 12° 9'39          | 18°25          | 18°45          | 27°21          | 18°11          | 28°40          | 15 <b>Ω</b> 58 | 22°34           | 11 <b>≏</b> 37 | 12 <b>Ω</b> 40  | 14835  | 15°57         | 17°40 | 24Ml10         | F 2  |
| S 3  | 12 44 55 | 13° 8'48          | 0≈21           | 20°15          | 28°24          | 18°13          | 28°42          | 15°56          | 22°36           | 11°35          | 12°40           | 14°33  | 15°54         | 17°46 | 24° 7          | S 3  |
| S 4  | 12 48 52 | 14° 7'55          | 12°12          | 21°47          | 29°27          | 18°17          | 28°44          | 15°55          | 22°38           | 11°33          | 12°39           | 14°30  | 15°50         | 17°53 | 24° 4          | S 4  |
| M 5  | 12 52 48 | 15° 7'00          | 24° 5          | 23°21          | 0Д30           | 18°21          | 28°46          | 15°53          | 22°40           | 11°32          | 12°38           | 14°26  | 15°47         | 18° 0 | 24° 2          | M 5  |
| T 6  | 12 56 45 | 16° 6'03          | 6 <b>∺</b> 1   | 24°56          | 1°32           | 18°26          | 28°48          | 15°52          | 22°41           | 11°30          | 12°38           | 14°22  | 15°44         | 18° 7 | 23°59          | T 6  |
| W 7  | 13 041   | 17° 5'05          | 18° 4          | 26°32          | 2°34           | 18°32          | 28°50          | 15°51          | 22°43           | 11°29          | 12°37           | 14°17  | 15°41         | 18°13 | 23°56          | W 7  |
| T 8  | 13 438   | 18° 4'04          | 0 <b>Υ</b> 16  | 28°10          | 3°35           | 18°38          | 28°51          | 15°50          | 22°45           | 11°27          | 12°37           | 14°12  | 15°38         | 18°20 | 23°53          | T 8  |
| F 9  | 13 8 34  | 19° 3'01          | 12°39          | 29°50          | 4°37           | 18°45          | 28°53          | 15°49          | 22°47           | 11°25          | 12°37           | 14° 9  | 15°35         | 18°27 | 23°50          | F 9  |
| S 10 | 13 12 31 | 20° 1'57          | 25°15          | 1 <b>Y</b> 31  | 5°37           | 18°52          | 28°54          | 15°48          | 22°49           | 11°24          | 12°36           | 14° 6  | 15°31         | 18°33 | 23°46          | S 10 |
| S 11 | 13 16 27 | 21° 0'50          | 8 <b>8</b> 2   | 3°13           | 6°38           | 19° 0          | 28°55          | 15°47          | 22°51           | 11°22          | 12°36           | 14°D 5 | 15°28         | 18°40 | 23°43          | S 11 |
| M12  | 13 20 24 | 21°59'42          | 21° 2          | 4°58           | 7°38           | 19° 9          | 28°55          | 15°47          | 22°53           | 11°20          | 12°35           | 14° 5  | 15°25         | 18°47 | 23°40          | M12  |
| T 13 | 13 24 21 | 22°58'31          | 4 <b>Ⅱ</b> 15  | 6°43           | 8°38           | 19°18          | 28°56          | 15°46          | 22°55           | 11°19          | 12°35           | 14° 6  | 15°22         | 18°54 | 23°36          | T 13 |
| W14  | 13 28 17 | 23°57'18          | 17°41          | 8°30           | 9°37           | 19°28          | 28°56          | 15°46          | 22°58           | 11°17          | 12°35           | 14° 7  | 15°19         | 19° 0 | 23°33          | W14  |
| T 15 | 13 32 14 | 24°56'03          | 19519          | 10°19          | 10°36          | 19°39          | 28°R56         | 15°46          | 23° 0           | 11°16          | 12°34           | 14° 9  | 15°16         | 19° 7 | 23°29          | T 15 |
| F 16 | 13 36 10 | 25°54'46          | 15°11          | 12° 9          | 11°34          | 19°50          | 28°56          | 15°45          | 23° 2           | 11°14          | 12°34           | 14°10  | 15°12         | 19°14 | 23°26          | F 16 |
| S 17 | 13 40 7  | 26°53'26          | 29°15          | 14° 1          | 12°32          | 20° 1          | 28°56          | 15°D45         | 23° 4           | 11°12          | 12°34           | 14°R10 | 15° 9         | 19°20 | 23°22          | S 17 |
| S 18 | 13 44 3  | 27°52'05          | 13 <b>Ω</b> 30 | 15°55          | 13°30          | 20°13          | 28°56          | 15°45          | 23° 7           | 11°11          | 12°34           | 14° 9  | 15° 6         | 19°27 | 23°18          | S 18 |
| M19  | 13 48 0  | 28°50'40          | 27°53          | 17°50          | 14°27          | 20°26          | 28°55          | 15°46          | 23° 9           | 11° 9          | 12°34           | 14° 8  | 15° 3         | 19°34 | 23°14          | M19  |
| T 20 | 13 51 57 | 29°49'14          | 12 <b>M</b> 22 | 19°46          | 15°23          | 20°39          | 28°54          | 15°46          | 23°11           | 11°8           | 12°33           | 14° 7  | 15° 0         | 19°41 | 23°11          | T 20 |
| W21  | 13 55 53 | 0 <b>8</b> 47'45  | 26°50          | 21°44          | 16°19          | 20°53          | 28°53          | 15°46          | 23°14           | 11° 6          | 12°33           | 14° 5  | 14°56         | 19°47 | 23° 7          | W21  |
| T 22 | 13 59 50 | 1°46'15           | 11 <b>≏</b> 13 | 23°44          | 17°14          | 21° 7          | 28°52          | 15°47          | 23°16           | 11° 5          | 12°33           | 14° 3  | 14°53         | 19°54 | 23° 3          | T 22 |
| F 23 | 14 3 46  | 2°44'42           | 25°25          | 25°45          | 18° 9          | 21°22          | 28°51          | 15°47          | 23°19           | 11° 3          | 12°33           | 14° 2  | 14°50         | 20° 1 | 22°59          | F 23 |
| S 24 | 14 7 43  | 3°43'07           | 9 <b>M</b> 23  | 27°48          | 19° 3          | 21°37          | 28°49          | 15°48          | 23°22           | 11° 2          | 12°33           | 14°D 2 | 14°47         | 20° 8 | 22°55          | S 24 |
| S 25 | 14 11 39 | 4°41'31           | 23° 1          | 29°52          | 19°57          | 21°52          | 28°48          | 15°49          | 23°24           | 11° 0          | 12°D33          | 14° 2  | 14°44         | 20°14 | 22°51          | S 25 |
| M26  | 14 15 36 | 5°39'53           | 6 <b>₹</b> 19  | 1 <b>8</b> 57  | 20°50          | 22° 8          | 28°46          | 15°50          | 23°27           | 10°59          | 12°33           | 14° 2  | 14°41         | 20°21 | 22°46          | M26  |
| T 27 | 14 19 32 | 6°38'13           | 19°16          | 4° 3           | 21°42          | 22°25          | 28°44          | 15°51          | 23°29           | 10°57          | 12°33           | 14° 3  | 14°37         | 20°28 | 22°42          | T 27 |
| W28  | 14 23 29 | 7°36'32           | 1 <b>3</b> 54  | 6°10           | 22°34          | 22°42          | 28°42          | 15°52          | 23°32           | 10°56          | 12°33           | 14° 4  | 14°34         | 20°34 | 22°38          | W28  |
| T 29 | 14 27 26 | 8°34'49           | 14°14          | 8°19           | 23°25          | 22°59          | 28°39          | 15°53          | 23°35           | 10°54          | 12°33           | 14° 4  | 14°31         | 20°41 | 22°34          | T 29 |
| F 30 | 14 31 22 | 9 <b>8</b> 33'05  | 26 <b>궁</b> 22 | 10828          | 24 <b>Ⅱ</b> 15 | 23 <b>Ω</b> 17 | 28 <b>×</b> 37 | 15 <b>Ω</b> 54 | 23耳38           | 10 <b>≏</b> 53 | 12 <b>\O</b> 34 | 148 5  | 14828         | 20≈48 | 22 <b>M</b> 29 | F 30 |

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| Day  | Sid.t    | 0                 | D              | ğ              | φ              | ♂              | 4              | ħ              | )f(            | ¥              | Р               | 'n            | Ω              | Ç     | ę,              | Day  |
|------|----------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|---------------|----------------|-------|-----------------|------|
| S 1  | 14 35 19 | 10 <b>8</b> 31'19 | 8≈20           | 12 <b>8</b> 37 | 25 <b>II</b> 5 | 23 <b>N</b> 35 | 28°R34         | 15 <b>N</b> 56 | 23耳40          | 10°R52         | 12 <b>\O</b> 34 | 14°R 5        | 14825          | 20≈55 | 22°R25          | S 1  |
| S 2  | 14 39 15 | 11°29'31          | 20°14          | 14°46          | 25°53          | 23°53          | 28 <b>~</b> 31 | 15°57          | 23°43          | 10 <b>≏</b> 50 | 12°34           | 14 <b>8</b> 5 | 14°22          | 21° 1 | 22 <b>M</b> 21  | S 2  |
| M 3  | 14 43 12 | 12°27'42          | 2 <b>∺</b> 7   | 16°56          | 26°41          | 24°12          | 28°28          | 15°59          | 23°46          | 10°49          | 12°34           | 14° 5         | 14°18          | 21° 8 | 22°16           | M 3  |
| T 4  | 14 47 8  | 13°25'52          | 14° 5          | 19° 5          | 27°28          | 24°32          | 28°24          | 16° 1          | 23°49          | 10°47          | 12°34           | 14° 5         | 14°15          | 21°15 | 22°12           | T 4  |
| W 5  | 14 51 5  | 14°24'00          | 26°12          | 21°14          | 28°15          | 24°51          | 28°21          | 16° 2          | 23°52          | 10°46          | 12°35           | 14°D 5        | 14°12          | 21°21 | 22° 8           | W 5  |
| T 6  | 14 55 1  | 15°22'06          | 8 <b>Y</b> 30  | 23°22          | 29° 0          | 25°12          | 28°17          | 16° 4          | 23°55          | 10°45          | 12°35           | 14° 5         | 14° 9          | 21°28 | 22° 3           | T 6  |
| F 7  | 14 58 58 | 16°20'11          | 21° 3          | 25°28          | 29°45          | 25°32          | 28°13          | 16° 6          | 23°58          | 10°44          | 12°35           | 14° 5         | 14° 6          | 21°35 | 21°59           | F 7  |
| S 8  | 15 2 54  | 17°18'15          | 3 <b>8</b> 53  | 27°33          | 09528          | 25°53          | 28° 9          | 16° 9          | 24° 1          | 10°42          | 12°36           | 14° 5         | 14° 2          | 21°42 | 21°54           | S 8  |
| S 9  | 15 651   | 18°16'17          | 16°59          | 29°36          | 1°11           | 26°14          | 28° 5          | 16°11          | 24° 4          | 10°41          | 12°36           | 14°R 5        | 13°59          | 21°48 | 21°50           | S 9  |
| M10  | 15 10 48 | 19°14'17          | 0∏23           | 1 <b>Ⅲ</b> 38  | 1°52           | 26°35          | 28° 1          | 16°13          | 24° 7          | 10°40          | 12°36           | 14° 5         | 13°56          | 21°55 | 21°45           | M10  |
| T 11 | 15 14 44 | 20°12'16          | 14° 1          | 3°37           | 2°33           | 26°57          | 27°56          | 16°16          | 24°10          | 10°39          | 12°37           | 14° 4         | 13°53          | 22° 2 | 21°41           | T 11 |
| W12  | 15 18 41 | 21°10'13          | 27°53          | 5°33           | 3°12           | 27°19          | 27°52          | 16°18          | 24°13          | 10°37          | 12°37           | 14° 4         | 13°50          | 22° 9 | 21°36           | W12  |
| T 13 | 15 22 37 | 22° 8'09          | 119555         | 7°27           | 3°50           | 27°42          | 27°47          | 16°21          | 24°16          | 10°36          | 12°38           | 14° 3         | 13°47          | 22°15 | 21°32           | T 13 |
| F 14 | 15 26 34 | 23° 6'02          | 26° 4          | 9°18           | 4°27           | 28° 5          | 27°42          | 16°24          | 24°19          | 10°35          | 12°38           | 14° 2         | 13°43          | 22°22 | 21°27           | F 14 |
| S 15 | 15 30 30 | 24° 3'54          | 10 <b>Ω</b> 17 | 11° 6          | 5° 3           | 28°28          | 27°37          | 16°26          | 24°23          | 10°34          | 12°39           | 14° 1         | 13°40          | 22°29 | 21°23           | S 15 |
| S 16 | 15 34 27 | 25° 1'44          | 24°31          | 12°52          | 5°37           | 28°51          | 27°31          | 16°29          | 24°26          | 10°33          | 12°39           | 14°D 1        | 13°37          | 22°35 | 21°18           | S 16 |
| M17  | 15 38 24 | 25°59'33          | 8 Mp 44        | 14°34          | 6°10           | 29°15          | 27°26          | 16°32          | 24°29          | 10°32          | 12°40           | 14° 1         | 13°34          | 22°42 | 21°14           | M17  |
| T 18 | 15 42 20 | 26°57'19          | 22°53          | 16°12          | 6°42           | 29°39          | 27°21          | 16°35          | 24°32          | 10°31          | 12°41           | 14° 2         | 13°31          | 22°49 | 21°10           | T 18 |
| W19  | 15 46 17 | 27°55'04          | 6 <b>≙</b> 57  | 17°48          | 7°12           | 0 <b>m</b> y 3 | 27°15          | 16°39          | 24°36          | 10°30          | 12°41           | 14° 3         | 13°28          | 22°56 | 21° 5           | W19  |
| T 20 | 15 50 13 | 28°52'47          | 20°52          | 19°20          | 7°40           | 0°28           | 27° 9          | 16°42          | 24°39          | 10°29          | 12°42           | 14° 4         | 13°24          | 23° 2 | 21° 1           | T 20 |
| F 21 | 15 54 10 | 29°50'29          | 4MJ36          | 20°49          | 8° 7           | 0°53           | 27° 3          | 16°45          | 24°42          | 10°28          | 12°43           | 14° 5         | 13°21          | 23° 9 | 20°56           | F 21 |
| S 22 | 15 58 6  | 0 <b>Ⅱ</b> 48'09  | 18° 9          | 22°14          | 8°33           | 1°18           | 26°57          | 16°49          | 24°46          | 10°27          | 12°43           | 14°R 5        | 13°18          | 23°16 | 20°52           | S 22 |
| S 23 | 16 2 3   | 1°45'48           | 1 <b>₹</b> 27  | 23°36          | 8°56           | 1°43           | 26°51          | 16°52          | 24°49          | 10°26          | 12°44           | 14° 4         | 13°15          | 23°22 | 20°48           | S 23 |
| M24  | 16 5 59  | 2°43'26           | 14°30          | 24°55          | 9°18           | 2° 9           | 26°45          | 16°56          | 24°52          | 10°25          | 12°45           | 14° 3         | 13°12          | 23°29 | 20°43           | M24  |
| T 25 | 16 9 56  | 3°41'03           | 27°18          | 26°10          | 9°39           | 2°34           | 26°38          | 17° 0          | 24°56          | 10°24          | 12°46           | 14° 0         | 13° 8          | 23°36 | 20°39           | T 25 |
| W26  | 16 13 53 | 4°38'38           | 9 <b>ට</b> 50  | 27°21          | 9°57           | 3° 0           | 26°32          | 17° 4          | 24°59          | 10°24          | 12°46           | 13°57         | 13° 5          | 23°43 | 20°35           | W26  |
| T 27 | 16 17 49 | 5°36'13           | 22° 9          | 28°29          | 10°13          | 3°27           | 26°25          | 17° 8          | 25° 2          | 10°23          | 12°47           | 13°54         | 13° 2          | 23°49 | 20°30           | T 27 |
| F 28 | 16 21 46 | 6°33'46           | 4≈16           | 29°32          | 10°28          | 3°53           | 26°19          | 17°12          | 25° 6          | 10°22          | 12°48           | 13°51         | 12°59          | 23°56 | 20°26           | F 28 |
| S 29 | 16 25 42 | 7°31'19           | 16°14          | 0932           | 10°40          | 4°20           | 26°12          | 17°16          | 25° 9          | 10°21          | 12°49           | 13°48         | 12°56          | 24° 3 | 20°22           | S 29 |
| S 30 | 16 29 39 | 8°28'50           | 28° 8          | 1°29           | 10°50          | 4°47           | 26° 5          | 17°20          | 25°13          | 10°21          | 12°50           | 13°47         | 12°53          | 24°10 | 20°18           | S 30 |
| M31  | 16 33 35 | 9∏26′21           | 10 <b>米</b> 2  | 29521          | 10958          | 5 <b>m</b> )14 | 25 <b>₹</b> 58 | 17 <b>Ω</b> 24 | 25 <b>Ⅱ</b> 16 | 10 <b>≏</b> 20 | 12 <b>N</b> 51  | 13°D46        | 12 <b>8</b> 49 | 24≈16 | 20 <b>M</b> .14 | M31  |

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| Day          | Sid.t              | $\odot$            | D              | φ               | Ŷ              | o <sup>7</sup> | 4               | ħ              | )ұ(            | ¥              | P 2            | n              | Ω              | ţ              | δ              | Day          |
|--------------|--------------------|--------------------|----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| T 1          | 16 37 32           | 10 <b>Ⅲ</b> 23'51  | 21 <b>米</b> 59 | 3 <b>9</b> 9    | 1195 4         | 5 <b>m</b> 42  | 25°R51          | 17 <b>Ω</b> 29 | 25Ⅲ20          | 10°R19         | 12 <b>Ω</b> 52 | 13 <b>8</b> 47 | 12846          | 24≈23          | 20°R10         | T 1          |
| W 2          | 16 41 28           | 11°21'20           | 4 <b>Υ</b> 6   | 3°54            | 11°8           | 6° 9           | 25 <b>∡</b> ⁴44 | 17°33          | 25°23          | 10 <b>≏</b> 19 | 12°53          | 13°48          | 12°43          | 24°30          | 20 <b>M</b> 6  | W 2          |
| T 3          | 16 45 25           | 12°18'48           | 16°27          | 4°34            | 11°R 9         | 6°37           | 25°36           | 17°38          | 25°27          | 10°18          | 12°54          | 13°50          | 12°40          | 24°36          | 20° 2          | T 3          |
| F 4          | 16 49 22           | 13°16'16           | 29° 5          | 5° 9            | 11° 8          | 7° 5           | 25°29           | 17°42          | 25°30          | 10°18          | 12°55          | 13°51          | 12°37          | 24°43          | 19°58          | F 4          |
| S 5          | 16 53 18           | 14°13'43           | 128 4          | 5°41            | 11° 5          | 7°34           | 25°22           | 17°47          | 25°34          | 10°17          | 12°56          | 13°R52         | 12°33          | 24°50          | 19°54          | S 5          |
| S 6          | 16 57 15           | 15°11'09           | 25°25          | 6° 8            | 10°59          | 8° 2           | 25°14           | 17°52          | 25°37          | 10°16          | 12°57          | 13°51          | 12°30          | 24°57          | 19°51          | S 6          |
| M 7          | 17 111             | 16° 8'35           | 9Ⅱ 8           | 6°31            | 10°51          | 8°31           | 25° 7           | 17°56          | 25°41          | 10°16          | 12°58          | 13°49          | 12°27          | 25° 3          | 19°47          | M 7          |
| T 8          | 17 5 8             | 17° 6'00           | 23°11          | 6°49            | 10°40          | 9° 0           | 24°59           | 18° 1          | 25°44          | 10°16          | 12°59          | 13°46          | 12°24          | 25°10          | 19°43          | T 8          |
| W 9          | 17 9 4             | 18° 3'24           | <b>793</b> 0   | 7° 2            | 10°28          | 9°29           | 24°52           | 18° 6          | 25°48          | 10°15          | 13° 0          | 13°41          | 12°21          | 25°17          | 19°40          | W 9          |
| T 10         | 17 13 1            | 19° 0'47           | 22° 0          | 7°11            | 10°12          | 9°58           | 24°44           | 18°11          | 25°51          | 10°15          | 13° 1          | 13°36          | 12°18          | 25°23          | 19°36          | T 10         |
| F 11         | 17 16 57           | 19°58'09           | 6 <b>Ω</b> 34  | 7°R16           | 9°55           | 10°28          | 24°37           | 18°17          | 25°55          | 10°14          | 13° 3          | 13°31          | 12°14          | 25°30          | 19°33          | F 11         |
| S 12         | 17 20 54           | 20°55'30           | 21° 5          | 7°16            | 9°35           | 10°57          | 24°29           | 18°22          | 25°59          | 10°14          | 13° 4          | 13°27          | 12°11          | 25°37          | 19°29          | S 12         |
| S 13         | 17 24 51           | 21°52'50           | 5 <b>m</b> /30 | 7°11            | 9°12           | 11°27          | 24°22           | 18°27          | 26° 2          | 10°14          | 13° 5          | 13°24          | 12° 8          | 25°44          | 19°26          | S 13         |
| M14          | 17 28 47           | 22°50'09           | 19°44          | 7° 2            | 8°48           | 11°57          | 24°14           | 18°32          | 26° 6          | 10°14          | 13° 6          | 13°D23         | 12° 5          | 25°50          | 19°23          | M14          |
| T 15         | 17 32 44           | 23°47'27           | 3 <b>≏</b> 45  | 6°49            | 8°22           | 12°27          | 24° 6           | 18°38          | 26° 9          | 10°13          | 13° 7          | 13°24          | 12° 2          | 25°57          | 19°20          | T 15         |
| W16          | 17 36 40           | 24°44'44           | 17°32          | 6°32            | 7°53           | 12°58          | 23°59           | 18°43          | 26°13          | 10°13          | 13° 9          | 13°25          | 11°59          | 26° 4          | 19°17          | W16          |
| T 17         | 17 40 37           | 25°42'00           | 1M 5           | 6°11            | 7°23           | 13°28          | 23°51           | 18°49          | 26°16          | 10°13          | 13°10          | 13°26          | 11°55          | 26°11          | 19°14          | T 17         |
| F 18         | 17 44 33           | 26°39'15           | 14°26          | 5°47            | 6°51           | 13°59          | 23°43           | 18°54          | 26°20          | 10°13          | 13°11          | 13°R27         | 11°52          | 26°17          | 19°11          | F 18         |
| S 19         | 17 48 30           | 27°36'30           | 27°34          | 5°19            | 6°18           | 14°30          | 23°36           | 19° 0          | 26°24          | 10°13          | 13°13          | 13°26          | 11°49          | 26°24          | 19° 8          | S 19         |
| S 20         | 17 52 26           | 28°33'44           | 10 <b>∡</b> 31 | 4°49            | 5°43           | 15° 1          | 23°28           | 19° 6          | 26°27          | 10°13          | 13°14          | 13°23          | 11°46          | 26°31          | 19° 5          | S 20         |
| M21          | 17 56 23           | 29°30'58           | 23°15          | 4°17            | 5° 8           | 15°32          | 23°20           | 19°12          | 26°31          | 10°D13         | 13°15          | 13°18          | 11°43          | 26°37          | 19° 2          | M21          |
| T 22         | 18 0 20            | 09528'11           | 5 <b>る</b> 49  | 3°44            | 4°31           | 16° 3          | 23°13           | 19°17          | 26°34          | 10°13          | 13°17          | 13°11          | 11°40          | 26°44          | 19° 0          | T 22         |
| W23          | 18 4 16            | 1°25'24            | 18°11          | 3° 9            | 3°54           | 16°35          | 23° 5           | 19°23          | 26°38          | 10°13          | 13°18          | 13° 3          | 11°36          | 26°51          | 18°57          | W23          |
| T 24<br>F 25 | 18 8 13<br>18 12 9 | 2°22'37            | 0 <b>≈</b> 23  | 2°34<br>1°59    | 3°16           | 17° 7          | 22°58           | 19°29          | 26°41          | 10°13<br>10°13 | 13°20          | 12°54          | 11°33          | 26°58          | 18°55          | T 24<br>F 25 |
| S 26         | 18 12 9            | 3°19'49<br>4°17'02 | 12°26<br>24°22 | 1°39<br>1°25    | 2°39<br>2° 1   | 17°38<br>18°10 | 22°50<br>22°43  | 19°35<br>19°41 | 26°45<br>26°49 | 10°13<br>10°13 | 13°21<br>13°23 | 12°45<br>12°37 | 11°30<br>11°27 | 27° 4<br>27°11 | 18°52<br>18°50 | S 26         |
|              |                    |                    |                | _               |                |                |                 | -              |                |                |                |                |                |                |                |              |
| S 27         | 18 20 2            | 5°14'14            | 6 <b>)</b> €14 | 0°52            | 1°24           | 18°42          | 22°36           | 19°48          | 26°52          | 10°13          | 13°24          | 12°31          | 11°24          | 27°18          | 18°48          | S 27         |
| M28          | 18 23 59           | 6°11'26            | 18° 6          | 0°22            | 0°47           | 19°15          | 22°28           | 19°54          | 26°56          | 10°13          | 13°26          | 12°27          | 11°20          | 27°24          | 18°46          | M28          |
| T 29         | 18 27 56           | 7° 8'38            | 0° 2           | 29 <b>I</b> I53 | 0°12           | 19°47          | 22°21           | 20° 0          | 26°59          | 10°14          | 13°27          | 12°26          | 11°17          | 27°31          | 18°44          | T 29         |
| W30          | 18 31 52           | 8 <b>9</b> 5'50    | 12 <b>°</b> 7  | 29∏28           | 29 <b>Ⅲ</b> 37 | 20 <b>m</b> 19 | 22 <b>×</b> 14  | 20 <b>N</b> 6  | 27 <b>II</b> 3 | 10 <b>≏</b> 14 | 13 <b>Ω</b> 29 | 12°D25         | 11814          | 27≈38          | 18 <b>M</b> 42 | W30          |

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| Day  | Sid.t    | 0                | D               | ğ      | φ              | ♂              | 4              | ħ              | )∤(            | ¥              | Р               | n             | ಬ              | ţ            | ę<br>k          | Day  |
|------|----------|------------------|-----------------|--------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|---------------|----------------|--------------|-----------------|------|
| T 1  | 18 35 49 | 99 3'02          | 24Υ26           | 29°R 6 | 29°R 3         | 20 <b>m</b> 52 | 22°R 7         | 20Ω13          | 27耳 6          | 10 <b>≏</b> 14 | 13 <b>\O</b> 30 | 12826         | 11 <b>8</b> 11 | 27≈45        | 18°R40          | T 1  |
| F 2  | 18 39 45 | 10° 0'15         | 7 <b>8</b> 4    | 28∏47  | 28耳31          | 21°25          | 22 <b>×7</b> 0 | 20°19          | 27°10          | 10°15          | 13°32           | 12°R27        | 11°8           | 27°51        | 18 <b>M</b> .38 | F 2  |
| S 3  | 18 43 42 | 10°57'28         | 20° 4           | 28°33  | 28° 1          | 21°58          | 21°53          | 20°26          | 27°13          | 10°15          | 13°33           | 12°27         | 11° 5          | 27°58        | 18°37           | S 3  |
| S 4  | 18 47 38 | 11°54'41         | 3Д31            | 28°23  | 27°32          | 22°31          | 21°46          | 20°32          | 27°17          | 10°15          | 13°35           | 12°25         | 11° 1          | 28° 5        | 18°35           | S 4  |
| M 5  | 18 51 35 | 12°51'54         | 17°25           | 28°18  | 27° 6          | 23° 4          | 21°39          | 20°39          | 27°20          | 10°16          | 13°36           | 12°21         | 10°58          | 28°11        | 18°34           | M 5  |
| T 6  | 18 55 31 | 13°49'07         | 19545           | 28°D18 | 26°41          | 23°37          | 21°33          | 20°45          | 27°24          | 10°16          | 13°38           | 12°14         | 10°55          | 28°18        | 18°33           | T 6  |
| W 7  | 18 59 28 | 14°46'21         | 16°25           | 28°23  | 26°18          | 24°11          | 21°26          | 20°52          | 27°27          | 10°17          | 13°40           | 12° 6         | 10°52          | 28°25        | 18°31           | W 7  |
| T 8  | 19 3 25  | 15°43'35         | 1 <b>Ω</b> 19   | 28°33  | 25°58          | 24°44          | 21°20          | 20°59          | 27°31          | 10°17          | 13°41           | 11°56         | 10°49          | 28°32        | 18°30           | T 8  |
| F 9  | 19 7 21  | 16°40'48         | 16°18           | 28°48  | 25°40          | 25°18          | 21°14          | 21° 5          | 27°34          | 10°18          | 13°43           | 11°47         | 10°46          | 28°38        | 18°29           | F 9  |
| S 10 | 19 11 18 | 17°38'02         | 1 <b>m</b> ) 12 | 29° 8  | 25°24          | 25°52          | 21° 7          | 21°12          | 27°38          | 10°18          | 13°44           | 11°39         | 10°42          | 28°45        | 18°28           | S 10 |
| S 11 | 19 15 14 | 18°35'15         | 15°54           | 29°34  | 25°10          | 26°26          | 21° 1          | 21°19          | 27°41          | 10°19          | 13°46           | 11°33         | 10°39          | 28°52        | 18°27           | S 11 |
| M12  | 19 19 11 | 19°32'29         | 0 <b>ჲ</b> 17   | 0      | 24°59          | 27° 0          | 20°55          | 21°26          | 27°44          | 10°20          | 13°48           | 11°30         | 10°36          | 28°58        | 18°27           | M12  |
| T 13 | 19 23 7  | 20°29'42         | 14°21           | 0°40   | 24°50          | 27°34          | 20°49          | 21°33          | 27°48          | 10°20          | 13°49           | 11°29         | 10°33          | 29° 5        | 18°26           | T 13 |
| W14  | 19 27 4  | 21°26'55         | 28° 3           | 1°21   | 24°44          | 28° 8          | 20°44          | 21°40          | 27°51          | 10°21          | 13°51           | 11°D28        | 10°30          | 29°12        | 18°26           | W14  |
| T 15 | 19 31 0  | 22°24'09         | 11 <b>M</b> 26  | 2° 7   | 24°40          | 28°43          | 20°38          | 21°47          | 27°54          | 10°22          | 13°53           | 11°R29        | 10°26          | 29°19        | 18°25           | T 15 |
| F 16 | 19 34 57 | 23°21'22         | 24°31           | 2°59   | 24°D38         | 29°17          | 20°33          | 21°54          | 27°58          | 10°22          | 13°55           | 11°28         | 10°23          | 29°25        | 18°25           | F 16 |
| S 17 | 19 38 54 | 24°18'36         | 7 <b>.</b> ₹22  | 3°55   | 24°39          | 29°52          | 20°28          | 22° 1          | 28° 1          | 10°23          | 13°56           | 11°26         | 10°20          | 29°32        | 18°25           | S 17 |
| S 18 | 19 42 50 | 25°15'50         | 20° 0           | 4°56   | 24°42          | 0 <b>ჲ</b> 27  | 20°22          | 22° 8          | 28° 4          | 10°24          | 13°58           | 11°21         | 10°17          | 29°39        | 18°24           | S 18 |
| M19  | 19 46 47 | 26°13'04         | 2 <b>る</b> 28   | 6° 2   | 24°47          | 1° 2           | 20°17          | 22°15          | 28° 8          | 10°25          | 14° 0           | 11°13         | 10°14          | 29°46        | 18°D24          | M19  |
| T 20 | 19 50 43 | 27°10'19         | 14°47           | 7°13   | 24°54          | 1°37           | 20°13          | 22°22          | 28°11          | 10°26          | 14° 1           | 11° 2         | 10°11          | 29°52        | 18°25           | T 20 |
| W21  | 19 54 40 | 28° 7'34         | 26°57           | 8°29   | 25° 4          | 2°12           | 20° 8          | 22°29          | 28°14          | 10°27          | 14° 3           | 10°50         | 10° 7          | 29°59        | 18°25           | W21  |
| T 22 | 19 58 36 | 29° 4'49         | 9≈ 1            | 9°49   | 25°15          | 2°47           | 20° 3          | 22°37          | 28°17          | 10°28          | 14° 5           | 10°37         | 10° 4          | 0 <b>∀</b> 6 | 18°25           | T 22 |
| F 23 | 20 2 33  | 0 <b>Ω</b> 2'05  | 20°58           | 11°14  | 25°29          | 3°23           | 19°59          | 22°44          | 28°20          | 10°29          | 14° 7           | 10°24         | 10° 1          | 0°12         | 18°25           | F 23 |
| S 24 | 20 6 29  | 0°59'22          | 2 <b>∺</b> 52   | 12°43  | 25°45          | 3°58           | 19°55          | 22°51          | 28°24          | 10°30          | 14° 9           | 10°12         | 9°58           | 0°19         | 18°26           | S 24 |
| S 25 | 20 10 26 | 1°56'40          | 14°42           | 14°17  | 26° 2          | 4°34           | 19°51          | 22°58          | 28°27          | 10°31          | 14°10           | 10° 2         | 9°55           | 0°26         | 18°27           | S 25 |
| M26  | 20 14 23 | 2°53'58          | 26°33           | 15°54  | 26°22          | 5° 9           | 19°47          | 23° 6          | 28°30          | 10°32          | 14°12           | 9°55          | 9°51           | 0°33         | 18°27           | M26  |
| T 27 | 20 18 19 | 3°51'17          | 8 <b>Υ</b> 28   | 17°36  | 26°43          | 5°45           | 19°43          | 23°13          | 28°33          | 10°33          | 14°14           | 9°51          | 9°48           | 0°39         | 18°28           | T 27 |
| W28  | 20 22 16 | 4°48'37          | 20°32           | 19°21  | 27° 6          | 6°21           | 19°40          | 23°20          | 28°36          | 10°34          | 14°16           | 9°49          | 9°45           | 0°46         | 18°29           | W28  |
| T 29 | 20 26 12 | 5°45'58          | 2 <b>8</b> 48   | 21° 9  | 27°30          | 6°57           | 19°36          | 23°28          | 28°39          | 10°35          | 14°17           | 9°48          | 9°42           | 0°53         | 18°30           | T 29 |
| F 30 | 20 30 9  | 6°43'21          | 15°23           | 23° 0  | 27°57          | 7°33           | 19°33          | 23°35          | 28°42          | 10°36          | 14°19           | 9°48          | 9°39           | 0°59         | 18°31           | F 30 |
| S 31 | 20 34 5  | 7 <b>Ω</b> 40'44 | 28820           | 24955  | 28 <b>Ⅱ</b> 25 | 8 <b>호</b> 9   | 19 <b>×</b> 30 | 23 <b>Ω</b> 43 | 28 <b>Ⅱ</b> 45 | 10 <b>≏</b> 38 | 14 <b>\O</b> 21 | 9 <b>8</b> 47 | 9 <b>8</b> 36  | 1 <b>∺</b> 6 | 18 <b>M</b> .32 | S 31 |

Delta T = 28.40 sec

AUGUST 1948 00:00 UT

| Day  | Sid.t    | 0                | D                | ğ             | Q-     | ♂              | 4              | ħ              | ᡟ     | ¥              | Р              | Ç             | <b>ී</b>      | Ç              | , k             | Day  |
|------|----------|------------------|------------------|---------------|--------|----------------|----------------|----------------|-------|----------------|----------------|---------------|---------------|----------------|-----------------|------|
| S 1  | 20 38 2  | 8 <b>Ω</b> 38'09 | 11 <b>Ⅱ</b> 45   | 26951         | 28∏54  | 8 <b>≏</b> 45  | 19°R27         | 23 <b>£</b> 50 | 28∏48 | 10 <b>≏</b> 39 | 14 <b>Ω</b> 23 | 9°R45         | 9 <b>8</b> 32 | 1 <b>)</b> 13  | 18 <b>M</b> .34 | S 1  |
| M 2  | 20 41 58 | 9°35'35          | 25°39            | 28°50         | 29°25  | 9°22           | 19 <b>×</b> 24 | 23°58          | 28°51 | 10°40          | 14°25          | 9 <b>8</b> 40 | 9°29          | 1°20           | 18°35           | M 2  |
| T 3  | 20 45 55 | 10°33'02         | 1095 2           | 0 <b>Ω</b> 51 | 29°57  | 9°58           | 19°22          | 24° 5          | 28°54 | 10°41          | 14°26          | 9°33          | 9°26          | 1°26           | 18°37           | T 3  |
| W 4  | 20 49 52 | 11°30'30         | 24°51            | 2°53          | 0ഇ30   | 10°35          | 19°20          | 24°13          | 28°57 | 10°43          | 14°28          | 9°23          | 9°23          | 1°33           | 18°38           | W 4  |
| T 5  | 20 53 48 | 12°27'59         | 9 <b>Ω</b> 58    | 4°56          | 1° 5   | 11°12          | 19°17          | 24°20          | 29° 0 | 10°44          | 14°30          | 9°12          | 9°20          | 1°40           | 18°40           | T 5  |
| F 6  | 20 57 45 | 13°25'29         | 25°13            | 7° 0          | 1°41   | 11°48          | 19°15          | 24°28          | 29° 2 | 10°45          | 14°32          | 9° 2          | 9°17          | 1°46           | 18°42           | F 6  |
| S 7  | 21 141   | 14°23'00         | 10 <b>m</b> 25   | 9° 4          | 2°19   | 12°25          | 19°14          | 24°35          | 29° 5 | 10°47          | 14°34          | 8°52          | 9°13          | 1°53           | 18°44           | S 7  |
| S 8  | 21 5 38  | 15°20'31         | 25°23            | 11° 8         | 2°57   | 13° 2          | 19°12          | 24°43          | 29° 8 | 10°48          | 14°36          | 8°45          | 9°10          | 2° 0           | 18°46           | S 8  |
| M 9  | 21 9 34  | 16°18'04         | 10 <b>♀</b> 1    | 13°12         | 3°37   | 13°39          | 19°11          | 24°50          | 29°11 | 10°50          | 14°37          | 8°40          | 9° 7          | 2° 7           | 18°48           | M 9  |
| T 10 | 21 13 31 | 17°15'37         | 24°14            | 15°16         | 4°17   | 14°17          | 19° 9          | 24°58          | 29°13 | 10°51          | 14°39          | 8°38          | 9° 4          | 2°13           | 18°50           | T 10 |
| W11  | 21 17 27 | 18°13'12         | 8 <b>M</b> 1     | 17°19         | 4°59   | 14°54          | 19°8           | 25° 6          | 29°16 | 10°53          | 14°41          | 8°D38         | 9° 1          | 2°20           | 18°53           | W11  |
| T 12 | 21 21 24 | 19°10'47         | 21°23            | 19°22         | 5°41   | 15°31          | 19° 8          | 25°13          | 29°18 | 10°54          | 14°43          | 8°R38         | 8°57          | 2°27           | 18°55           | T 12 |
| F 13 | 21 25 21 | 20° 8'23         | 4 <b>₹</b> 24    | 21°23         | 6°25   | 16° 9          | 19° 7          | 25°21          | 29°21 | 10°56          | 14°45          | 8°37          | 8°54          | 2°33           | 18°58           | F 13 |
| S 14 | 21 29 17 | 21° 6'00         | 17° 6            | 23°24         | 7° 9   | 16°46          | 19° 6          | 25°29          | 29°24 | 10°57          | 14°46          | 8°35          | 8°51          | 2°40           | 19° 0           | S 14 |
| S 15 | 21 33 14 | 22° 3'39         | 29°34            | 25°23         | 7°55   | 17°24          | 19° 6          | 25°36          | 29°26 | 10°59          | 14°48          | 8°30          | 8°48          | 2°47           | 19° 3           | S 15 |
| M16  | 21 37 10 | 23° 1'18         | 11 <b>る</b> 50   | 27°21         | 8°41   | 18° 2          | 19°D 6         | 25°44          | 29°28 | 11° 0          | 14°50          | 8°22          | 8°45          | 2°53           | 19° 6           | M16  |
| T 17 | 21 41 7  | 23°58'58         | 23°57            | 29°18         | 9°28   | 18°40          | 19° 6          | 25°51          | 29°31 | 11° 2          | 14°52          | 8°12          | 8°42          | 3° 0           | 19° 9           | T 17 |
| W18  | 21 45 3  | 24°56'40         | 5≈59             | 1 <b>m</b> 13 | 10°16  | 19°18          | 19° 6          | 25°59          | 29°33 | 11° 4          | 14°54          | 8° 0          | 8°38          | 3° 7           | 19°12           | W18  |
| T 19 | 21 49 0  | 25°54'22         | 17°55            | 3° 7          | 11° 4  | 19°56          | 19° 7          | 26° 7          | 29°36 | 11° 5          | 14°55          | 7°47          | 8°35          | 3°14           | 19°15           | T 19 |
| F 20 | 21 52 56 | 26°52'06         | 29°49            | 5° 0          | 11°54  | 20°34          | 19° 7          | 26°14          | 29°38 | 11° 7          | 14°57          | 7°34          | 8°32          | 3°20           | 19°18           | F 20 |
| S 21 | 21 56 53 | 27°49'52         | 11 <b>) (</b> 40 | 6°52          | 12°44  | 21°12          | 19° 8          | 26°22          | 29°40 | 11° 9          | 14°59          | 7°23          | 8°29          | 3°27           | 19°21           | S 21 |
| S 22 | 22 0 50  | 28°47'38         | 23°31            | 8°42          | 13°35  | 21°50          | 19° 9          | 26°30          | 29°42 | 11°11          | 15° 1          | 7°13          | 8°26          | 3°34           | 19°25           | S 22 |
| M23  | 22 4 46  | 29°45'27         | 5 <b>Y</b> 25    | 10°30         | 14°26  | 22°29          | 19°11          | 26°37          | 29°45 | 11°12          | 15° 2          | 7° 6          | 8°23          | 3°40           | 19°28           | M23  |
| T 24 | 22 8 43  | 0 <b>m</b> 43'17 | 17°22            | 12°18         | 15°18  | 23° 7          | 19°12          | 26°45          | 29°47 | 11°14          | 15° 4          | 7° 2          | 8°19          | 3°47           | 19°32           | T 24 |
| W25  | 22 12 39 | 1°41'08          | 29°28            | 14° 4         | 16°11  | 23°46          | 19°13          | 26°53          | 29°49 | 11°16          | 15° 6          | 7° 0          | 8°16          | 3°54           | 19°35           | W25  |
| T 26 | 22 16 36 | 2°39'02          | 11 <b>8</b> 45   | 15°48         | 17° 5  | 24°25          | 19°15          | 27° 0          | 29°51 | 11°18          | 15° 8          | 7°D 0         | 8°13          | 4° 1           | 19°39           | T 26 |
| F 27 | 22 20 32 | 3°36'57          | 24°19            | 17°32         | 17°58  | 25° 3          | 19°17          | 27° 8          | 29°53 | 11°20          | 15° 9          | 7° 0          | 8°10          | 4° 7           | 19°43           | F 27 |
| S 28 | 22 24 29 | 4°34'54          | 7 <b>Ⅱ</b> 13    | 19°14         | 18°53  | 25°42          | 19°19          | 27°15          | 29°55 | 11°21          | 15°11          | 7°R 1         | 8° 7          | 4°14           | 19°47           | S 28 |
| S 29 | 22 28 25 | 5°32'53          | 20°32            | 20°54         | 19°48  | 26°21          | 19°22          | 27°23          | 29°57 | 11°23          | 15°13          | 7° 0          | 8° 3          | 4°21           | 19°51           | S 29 |
| M30  | 22 32 22 | 6°30'54          | 49519            | 22°34         | 20°44  | 27° 0          | 19°24          | 27°31          | 29°59 | 11°25          | 15°15          | 6°57          | 8° 0          | 4°27           | 19°55           | M30  |
| T 31 | 22 36 19 | 7 <b>m</b> 28'57 | 18935            | 24 Mp 12      | 219540 | 27 <b>≙</b> 39 | 19 <b>~</b> 27 | 27 <b>Ω</b> 38 | 0ණ 1  | 11 <b>≏</b> 27 | 15 <b>Ω</b> 16 | 6 <b>8</b> 51 | 7 <b>8</b> 57 | 4 <b>)</b> €34 | 19 <b>M</b> .59 | T 31 |

Delta T = 28.43 sec

SEPTEMBER 1948 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | P               | ♂              | 4              | ħ              | )Å(  | <del>¥</del>   | Р              | V             | Ω             | ţ              | , k            | Day  |
|------|----------|------------------|----------------|----------------|-----------------|----------------|----------------|----------------|------|----------------|----------------|---------------|---------------|----------------|----------------|------|
| W 1  | 22 40 15 | 8 <b>m</b> 27'02 | 3 <b>Ω</b> 17  | 25 <b>m</b> 49 | 22937           | 28 <b>≏</b> 18 | 19 <b>×</b> 30 | 27 <b>Ω</b> 46 | 0ණ 2 | 11 <b>≏</b> 29 | 15 <b>Ω</b> 18 | 6°R44         | 7 <b>8</b> 54 | 4 <b>){</b> 41 | 20 <b>M</b> 3  | W 1  |
| T 2  | 22 44 12 | 9°25'08          | 18°21          | 27°24          | 23°34           | 28°58          | 19°33          | 27°53          | 0° 4 | 11°31          | 15°20          | 6 <b>8</b> 36 | 7°51          | 4°48           | 20° 8          | T 2  |
| F 3  | 22 48 8  | 10°23'16         | 3 <b>m</b> 36  | 28°59          | 24°31           | 29°37          | 19°36          | 28° 1          | 0° 6 | 11°33          | 15°21          | 6°27          | 7°48          | 4°54           | 20°12          | F 3  |
| S 4  | 22 52 5  | 11°21'26         | 18°53          | 0 <b>ჲ</b> 32  | 25°29           | 0 <b>M</b> .17 | 19°39          | 28° 8          | 0° 8 | 11°35          | 15°23          | 6°20          | 7°44          | 5° 1           | 20°17          | S 4  |
| S 5  | 22 56 1  | 12°19'38         | 4 <b>♀</b> 1   | 2° 4           | 26°28           | 0°56           | 19°43          | 28°16          | 0° 9 | 11°37          | 15°25          | 6°14          | 7°41          | 5° 8           | 20°21          | S 5  |
| M 6  | 22 59 58 | 13°17'51         | 18°49          | 3°34           | 27°27           | 1°36           | 19°46          | 28°23          | 0°11 | 11°39          | 15°26          | 6°11          | 7°38          | 5°14           | 20°26          | M 6  |
| T 7  | 23 3 54  | 14°16'06         | 3 <b>M</b> .13 | 5° 4           | 28°26           | 2°15           | 19°50          | 28°31          | 0°12 | 11°41          | 15°28          | 6°D 9         | 7°35          | 5°21           | 20°31          | T 7  |
| W 8  | 23 7 51  | 15°14'22         | 17° 9          | 6°32           | 29°26           | 2°55           | 19°54          | 28°38          | 0°14 | 11°43          | 15°30          | 6°10          | 7°32          | 5°28           | 20°36          | W 8  |
| T 9  | 23 11 48 | 16°12'40         | 0 <b>∡</b> 38  | 7°59           | 0 <b>Ω</b> 26   | 3°35           | 19°59          | 28°46          | 0°15 | 11°45          | 15°31          | 6°11          | 7°29          | 5°34           | 20°40          | T 9  |
| F 10 | 23 15 44 | 17°11'00         | 13°41          | 9°25           | 1°26            | 4°15           | 20° 3          | 28°53          | 0°17 | 11°47          | 15°33          | 6°R12         | 7°25          | 5°41           | 20°45          | F 10 |
| S 11 | 23 19 41 | 18° 9'21         | 26°23          | 10°49          | 2°27            | 4°55           | 20° 8          | 29° 1          | 0°18 | 11°49          | 15°34          | 6°11          | 7°22          | 5°48           | 20°51          | S 11 |
| S 12 | 23 23 37 | 19° 7'43         | 8 <b>군</b> 48  | 12°12          | 3°28            | 5°35           | 20°12          | 29° 8          | 0°19 | 11°51          | 15°36          | 6° 9          | 7°19          | 5°55           | 20°56          | S 12 |
| M13  | 23 27 34 | 20° 6'07         | 20°59          | 13°34          | 4°30            | 6°16           | 20°17          | 29°15          | 0°20 | 11°53          | 15°38          | 6° 5          | 7°16          | 6° 1           | 21° 1          | M13  |
| T 14 | 23 31 30 | 21° 4'33         | 3≈ 1           | 14°55          | 5°32            | 6°56           | 20°22          | 29°23          | 0°22 | 11°55          | 15°39          | 5°59          | 7°13          | 6° 8           | 21° 6          | T 14 |
| W15  | 23 35 27 | 22° 3'01         | 14°56          | 16°14          | 6°34            | 7°36           | 20°28          | 29°30          | 0°23 | 11°58          | 15°41          | 5°52          | 7° 9          | 6°15           | 21°12          | W15  |
| T 16 | 23 39 23 | 23° 1'30         | 26°49          | 17°31          | 7°37            | 8°17           | 20°33          | 29°37          | 0°24 | 12° 0          | 15°42          | 5°44          | 7° 6          | 6°21           | 21°17          | T 16 |
| F 17 | 23 43 20 | 24° 0'01         | 8 <b>)</b> (41 | 18°47          | 8°39            | 8°57           | 20°39          | 29°44          | 0°25 | 12° 2          | 15°44          | 5°36          | 7° 3          | 6°28           | 21°22          | F 17 |
| S 18 | 23 47 17 | 24°58'33         | 20°33          | 20° 2          | 9°43            | 9°38           | 20°44          | 29°51          | 0°26 | 12° 4          | 15°45          | 5°28          | 7° 0          | 6°35           | 21°28          | S 18 |
| S 19 | 23 51 13 | 25°57'08         | 2 <b>Y</b> 28  | 21°14          | 10°46           | 10°18          | 20°50          | 29°59          | 0°27 | 12° 6          | 15°47          | 5°23          | 6°57          | 6°42           | 21°34          | S 19 |
| M20  | 23 55 10 | 26°55'44         | 14°28          | 22°25          | 11°50           | 10°59          | 20°56          | 0 <b>™</b> 6   | 0°28 | 12° 8          | 15°48          | 5°19          | 6°54          | 6°48           | 21°39          | M20  |
| T 21 | 23 59 6  | 27°54'23         | 26°34          | 23°35          | 12°54           | 11°40          | 21° 2          | 0°13           | 0°29 | 12°10          | 15°50          | 5°17          | 6°50          | 6°55           | 21°45          | T 21 |
| W22  | 0 3 3    | 28°53'04         | 8 <b>8</b> 49  | 24°42          | 13°58           | 12°21          | 21° 9          | 0°20           | 0°29 | 12°13          | 15°51          | 5°D16         | 6°47          | 7° 2           | 21°51          | W22  |
| T 23 | 0 6 59   | 29°51'46         | 21°14          | 25°47          | 15° 3           | 13° 2          | 21°15          | 0°27           | 0°30 | 12°15          | 15°52          | 5°17          | 6°44          | 7° 8           | 21°57          | T 23 |
| F 24 | 0 10 56  | 0 <b>ჲ</b> 50'32 | 3 <b>Ⅱ</b> 54  | 26°50          | 16° 8           | 13°43          | 21°22          | 0°34           | 0°31 | 12°17          | 15°54          | 5°19          | 6°41          | 7°15           | 22° 3          | F 24 |
| S 25 | 0 14 52  | 1°49'19          | 16°51          | 27°50          | 17°13           | 14°24          | 21°29          | 0°41           | 0°31 | 12°19          | 15°55          | 5°20          | 6°38          | 7°22           | 22° 9          | S 25 |
| S 26 | 0 18 49  | 2°48'09          | 0න 8           | 28°49          | 18°18           | 15° 6          | 21°36          | 0°48           | 0°32 | 12°21          | 15°56          | 5°R21         | 6°34          | 7°28           | 22°15          | S 26 |
| M27  | 0 22 46  | 3°47'01          | 13°48          | 29°44          | 19°24           | 15°47          | 21°43          | 0°55           | 0°32 | 12°24          | 15°58          | 5°21          | 6°31          | 7°35           | 22°21          | M27  |
| T 28 | 0 26 42  | 4°45'55          | 27°52          | 0 <b>M</b> .36 | 20°30           | 16°28          | 21°50          | 1° 1           | 0°33 | 12°26          | 15°59          | 5°19          | 6°28          | 7°42           | 22°27          | T 28 |
| W29  | 0 30 39  | 5°44'52          | 12Ω19          | 1°25           | 21°36           | 17°10          | 21°57          | 1° 8           | 0°33 | 12°28          | 16° 0          | 5°16          | 6°25          | 7°49           | 22°34          | W29  |
| T 30 | 0 34 35  | 6 <b>₽</b> 43'51 | 27 <b>N</b> 6  | 2 <b>M</b> .11 | 22 <b>\O</b> 42 | 17 <b>M</b> 51 | 22 <b>×</b> 5  | 1 Mp 15        | 0934 | 12 <b>≏</b> 30 | 16 <b>Ω</b> 2  | 5 <b>8</b> 12 | 6 <b>8</b> 22 | 7 <b>∺</b> 55  | 22 <b>M</b> 40 | T 30 |

Delta T = 28.46 sec

OCTOBER 1948 00:00 UT

| Day  | Sid.t   | $\odot$          | D              | ğ             | φ              | ♂               | 4              | ħ             | )f(   | ¥              | Р              | v             | Ω             | Ç              | ę,             | Day  |
|------|---------|------------------|----------------|---------------|----------------|-----------------|----------------|---------------|-------|----------------|----------------|---------------|---------------|----------------|----------------|------|
| F 1  | 0 38 32 | 7 <b>-</b> 42'52 | 12Mp 6         | 2M52          | 23 <b>Ω</b> 49 | 18 <b>M</b> .33 | 22 <b>×</b> 12 | 1 <b>m</b> 22 | 0934  | 12 <b>₾</b> 33 | 16 <b>N</b> 3  | 5°R 8         | 6 <b>8</b> 19 | 8 <b>∺</b> 2   | 22M46          | F 1  |
| S 2  | 0 42 28 | 8°41'55          | 27°11          | 3°30          | 24°56          | 19°15           | 22°20          | 1°28          | 0°34  | 12°35          | 16° 4          | 5 <b>8</b> 5  | 6°15          | 8° 9           | 22°53          | S 2  |
| S 3  | 0 46 25 | 9°41'00          | 12 <b>≏</b> 11 | 4° 3          | 26° 3          | 19°57           | 22°28          | 1°35          | 0°35  | 12°37          | 16° 5          | 5° 2          | 6°12          | 8°15           | 22°59          | S 3  |
| M 4  | 0 50 21 | 10°40'08         | 26°59          | 4°31          | 27°10          | 20°38           | 22°36          | 1°41          | 0°35  | 12°39          | 16° 6          | 5° 1          | 6° 9          | 8°22           | 23° 6          | M 4  |
| T 5  | 0 54 18 | 11°39'17         | 11 <b>M</b> 26 | 4°54          | 28°17          | 21°20           | 22°44          | 1°48          | 0°35  | 12°41          | 16° 8          | 5°D 1         | 6° 6          | 8°29           | 23°12          | T 5  |
| W 6  | 0 58 14 | 12°38'28         | 25°28          | 5°11          | 29°25          | 22° 2           | 22°53          | 1°54          | 0°R35 | 12°44          | 16° 9          | 5° 2          | 6° 3          | 8°35           | 23°19          | W 6  |
| T 7  | 1 2 11  | 13°37'41         | 9 <b>.₹</b> 4  | 5°21          | 0 <b>m</b> 33  | 22°45           | 23° 1          | 2° 1          | 0°35  | 12°46          | 16°10          | 5° 3          | 6° 0          | 8°42           | 23°26          | T 7  |
| F 8  | 1 6 8   | 14°36'56         | 22°14          | 5°R25         | 1°41           | 23°27           | 23°10          | 2° 7          | 0°35  | 12°48          | 16°11          | 5° 5          | 5°56          | 8°49           | 23°33          | F 8  |
| S 9  | 1 10 4  | 15°36'13         | 5 <b>る</b> 0   | 5°22          | 2°49           | 24° 9           | 23°18          | 2°13          | 0°35  | 12°50          | 16°12          | 5° 6          | 5°53          | 8°56           | 23°39          | S 9  |
| S 10 | 1 14 1  | 16°35'32         | 17°27          | 5°11          | 3°57           | 24°51           | 23°27          | 2°19          | 0°34  | 12°53          | 16°13          | 5°R 6         | 5°50          | 9° 2           | 23°46          | S 10 |
| M11  | 1 17 57 | 17°34'52         | 29°39          | 4°52          | 5° 6           | 25°34           | 23°36          | 2°26          | 0°34  | 12°55          | 16°14          | 5° 5          | 5°47          | 9° 9           | 23°53          | M11  |
| T 12 | 1 21 54 | 18°34'14         | 11 <b>≈</b> 39 | 4°25          | 6°14           | 26°16           | 23°45          | 2°32          | 0°34  | 12°57          | 16°15          | 5° 4          | 5°44          | 9°16           | 24° 0          | T 12 |
| W13  | 1 25 50 | 19°33'38         | 23°33          | 3°50          | 7°23           | 26°59           | 23°54          | 2°38          | 0°34  | 12°59          | 16°16          | 5° 2          | 5°40          | 9°22           | 24° 7          | W13  |
| T 14 | 1 29 47 | 20°33'04         | 5 <b>)</b> 24  | 3° 6          | 8°32           | 27°41           | 24° 4          | 2°44          | 0°33  | 13° 2          | 16°17          | 5° 0          | 5°37          | 9°29           | 24°14          | T 14 |
| F 15 | 1 33 43 | 21°32'31         | 17°16          | 2°14          | 9°42           | 28°24           | 24°13          | 2°50          | 0°33  | 13° 4          | 16°18          | 4°58          | 5°34          | 9°36           | 24°21          | F 15 |
| S 16 | 1 37 40 | 22°32'00         | 29°12          | 1°15          | 10°51          | 29° 7           | 24°23          | 2°56          | 0°32  | 13° 6          | 16°19          | 4°56          | 5°31          | 9°42           | 24°28          | S 16 |
| S 17 | 1 41 37 | 23°31'31         | 11 <b>Y</b> 14 | 0°10          | 12° 0          | 29°50           | 24°32          | 3° 1          | 0°32  | 13° 8          | 16°20          | 4°55          | 5°28          | 9°49           | 24°35          | S 17 |
| M18  | 1 45 33 | 24°31'05         | 23°24          | 29 <b>Ω</b> 0 | 13°10          | 0 <b>₮</b> 33   | 24°42          | 3° 7          | 0°31  | 13°10          | 16°21          | 4°54          | 5°25          | 9°56           | 24°42          | M18  |
| T 19 | 1 49 30 | 25°30'40         | 5 <b>8</b> 43  | 27°47         | 14°20          | 1°16            | 24°52          | 3°13          | 0°31  | 13°13          | 16°21          | 4°D54         | 5°21          | 10° 3          | 24°50          | T 19 |
| W20  | 1 53 26 | 26°30'17         | 18°14          | 26°32         | 15°30          | 1°59            | 25° 2          | 3°18          | 0°30  | 13°15          | 16°22          | 4°54          | 5°18          | 10° 9          | 24°57          | W20  |
| T 21 | 1 57 23 | 27°29'57         | 0耳56           | 25°18         | 16°40          | 2°42            | 25°12          | 3°24          | 0°29  | 13°17          | 16°23          | 4°54          | 5°15          | 10°16          | 25° 4          | T 21 |
| F 22 | 2 1 19  | 28°29'38         | 13°52          | 24° 8         | 17°50          | 3°25            | 25°22          | 3°29          | 0°28  | 13°19          | 16°24          | 4°55          | 5°12          | 10°23          | 25°11          | F 22 |
| S 23 | 2 5 16  | 29°29'22         | 27° 2          | 23° 2         | 19° 1          | 4° 8            | 25°33          | 3°35          | 0°28  | 13°21          | 16°25          | 4°56          | 5° 9          | 10°29          | 25°19          | S 23 |
| S 24 | 2 9 12  | 0M29'09          | 109527         | 22° 4         | 20°11          | 4°52            | 25°43          | 3°40          | 0°27  | 13°23          | 16°25          | 4°56          | 5° 6          | 10°36          | 25°26          | S 24 |
| M25  | 2 13 9  | 1°28'57          | 24° 8          | 21°15         | 21°22          | 5°35            | 25°53          | 3°45          | 0°26  | 13°26          | 16°26          | 4°56          | 5° 2          | 10°43          | 25°34          | M25  |
| T 26 | 2 17 6  | 2°28'48          | 8 <b>N</b> 5   | 20°36         | 22°33          | 6°19            | 26° 4          | 3°50          | 0°25  | 13°28          | 16°27          | 4°R56         | 4°59          | 10°49          | 25°41          | T 26 |
| W27  | 2 21 2  | 3°28'41          | 22°17          | 20° 8         | 23°44          | 7° 2            | 26°15          | 3°56          | 0°24  | 13°30          | 16°27          | 4°56          | 4°56          | 10°56          | 25°49          | W27  |
| T 28 | 2 24 59 | 4°28'36          | 6Mp42          | 19°51         | 24°55          | 7°46            | 26°26          | 4° 1          | 0°23  | 13°32          | 16°28          | 4°D56         | 4°53          | 11° 3          | 25°56          | T 28 |
| F 29 | 2 28 55 | 5°28'33          | 21°17          | 19°D46        | 26° 6          | 8°29            | 26°36          | 4° 5          | 0°22  | 13°34          | 16°28          | 4°56          | 4°50          | 11°10          | 26° 4          | F 29 |
| S 30 | 2 32 52 | 6°28'32          | 5 <b>≙</b> 57  | 19°52         | 27°17          | 9°13            | 26°47          | 4°10          | 0°20  | 13°36          | 16°29          | 4°56          | 4°46          | 11°16          | 26°11          | S 30 |
| S 31 | 2 36 48 | 7 <b>M</b> 28'34 | 20 <b>ჲ</b> 36 | 20 <b>♀</b> 8 | 28 <b>m</b> 29 | 9 <b>∡</b> 757  | 26 <b>₹</b> 58 | 4 Mp 15       | 09319 | 13 <b>≏</b> 38 | 16 <b>Ω</b> 29 | 4 <b>8</b> 56 | 4843          | 11 <b>∺</b> 23 | 26 <b>M</b> 19 | S 31 |

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| Day  | Sid.t   | 0                 | D              | ğ              | ·              | ð               | 4              | ħ             | ) <b>/</b> (   | 卉              | В              | 'n            | v            | Ç                | ę,             | Day  |
|------|---------|-------------------|----------------|----------------|----------------|-----------------|----------------|---------------|----------------|----------------|----------------|---------------|--------------|------------------|----------------|------|
| M 1  | 2 40 45 | 8ML28'37          | 5M 6           | 20 <b>≏</b> 35 | 29 <b>m</b> 40 | 10 <b>∡</b> 141 | 27 <b>×</b> 10 | 4 Mp 20       | 0°R18          | 13 <u>₽</u> 40 | 16 <b>Ω</b> 30 | 4°R56         | 4840         | 11 <b>)</b> (30  | 26M26          | M 1  |
| T 2  | 2 44 41 | 9°28'43           | 19°23          | 21°11          | 0 <b>≏</b> 52  | 11°25           | 27°21          | 4°24          | 0 <b>୭</b> 17  | 13°42          | 16°30          | 4 <b>8</b> 56 | 4°37         | 11°36            | 26°34          | T 2  |
| W 3  | 2 48 38 | 10°28'50          | 3 <b>₹</b> 22  | 21°56          | 2° 3           | 12° 9           | 27°32          | 4°29          | 0°15           | 13°45          | 16°31          | 4°56          | 4°34         | 11°43            | 26°42          | W 3  |
| T 4  | 2 52 35 | 11°28'59          | 16°58          | 22°47          | 3°15           | 12°53           | 27°44          | 4°33          | 0°14           | 13°47          | 16°31          | 4°55          | 4°31         | 11°50            | 26°49          | T 4  |
| F 5  | 2 56 31 | 12°29'10          | 0중11           | 23°46          | 4°27           | 13°37           | 27°55          | 4°38          | 0°12           | 13°49          | 16°32          | 4°54          | 4°27         | 11°56            | 26°57          | F 5  |
| S 6  | 3 0 28  | 13°29'22          | 13° 2          | 24°50          | 5°39           | 14°21           | 28° 7          | 4°42          | 0°11           | 13°51          | 16°32          | 4°53          | 4°24         | 12° 3            | 27° 5          | S 6  |
| S 7  | 3 4 24  | 14°29'36          | 25°33          | 26° 0          | 6°51           | 15° 6           | 28°18          | 4°46          | 0° 9           | 13°53          | 16°32          | 4°52          | 4°21         | 12°10            | 27°12          | S 7  |
| M 8  | 3 8 21  | 15°29'51          | 7≈47           | 27°14          | 8° 4           | 15°50           | 28°30          | 4°50          | 0° 8           | 13°55          | 16°33          | 4°52          | 4°18         | 12°16            | 27°20          | M 8  |
| T 9  | 3 12 17 | 16°30'08          | 19°48          | 28°31          | 9°16           | 16°34           | 28°42          | 4°54          | 0° 6           | 13°57          | 16°33          | 4°D52         | 4°15         | 12°23            | 27°28          | T 9  |
| W10  | 3 16 14 | 17°30'26          | 1 <b>)</b> 42  | 29°52          | 10°28          | 17°19           | 28°54          | 4°58          | 0° 4           | 13°59          | 16°33          | 4°52          | 4°12         | 12°30            | 27°35          | W10  |
| T 11 | 3 20 10 | 18°30'46          | 13°33          | 1 <b>M</b> _15 | 11°41          | 18° 3           | 29° 6          | 5° 2          | 0° 3           | 14° 0          | 16°33          | 4°53          | 4° 8         | 12°37            | 27°43          | T 11 |
| F 12 | 3 24 7  | 19°31'07          | 25°25          | 2°41           | 12°53          | 18°48           | 29°18          | 5° 6          | 0° 1           | 14° 2          | 16°33          | 4°54          | 4° 5         | 12°43            | 27°51          | F 12 |
| S 13 | 3 28 4  | 20°31'30          | 7 <b>℃</b> 24  | 4° 9           | 14° 6          | 19°33           | 29°30          | 5° 9          | 29∏59          | 14° 4          | 16°34          | 4°56          | 4° 2         | 12°50            | 27°59          | S 13 |
| S 14 | 3 32 0  | 21°31'54          | 19°32          | 5°38           | 15°19          | 20°17           | 29°42          | 5°13          | 29°57          | 14° 6          | 16°34          | 4°57          | 3°59         | 12°57            | 28° 7          | S 14 |
| M15  | 3 35 57 | 22°32'19          | 1852           | 7° 8           | 16°31          | 21° 2           | 29°55          | 5°16          | 29°56          | 14° 8          | 16°34          | 4°R58         | 3°56         | 13° 3            | 28°14          | M15  |
| T 16 | 3 39 53 | 23°32'46          | 14°27          | 8°39           | 17°44          | 21°47           | 0중 7           | 5°20          | 29°54          | 14°10          | 16°34          | 4°57          | 3°52         | 13°10            | 28°22          | T 16 |
| W17  | 3 43 50 | 24°33'15          | 27°17          | 10°11          | 18°57          | 22°32           | 0°19           | 5°23          | 29°52          | 14°12          | 16°34          | 4°56          | 3°49         | 13°17            | 28°30          | W17  |
| T 18 | 3 47 46 | 25°33'45          | 10 <b>Ⅱ</b> 22 | 11°44          | 20°10          | 23°17           | 0°32           | 5°26          | 29°50          | 14°13          | 16°R34         | 4°54          | 3°46         | 13°23            | 28°38          | T 18 |
| F 19 | 3 51 43 | 26°34'17          | 23°42          | 13°17          | 21°23          | 24° 2           | 0°44           | 5°29          | 29°48          | 14°15          | 16°34          | 4°51          | 3°43         | 13°30            | 28°46          | F 19 |
| S 20 | 3 55 39 | 27°34'51          | 7 <b>9</b> 316 | 14°51          | 22°37          | 24°47           | 0°57           | 5°32          | 29°46          | 14°17          | 16°34          | 4°47          | 3°40         | 13°37            | 28°53          | S 20 |
| S 21 | 3 59 36 | 28°35'26          | 21° 1          | 16°25          | 23°50          | 25°32           | 1° 9           | 5°35          | 29°44          | 14°19          | 16°34          | 4°44          | 3°37         | 13°44            | 29° 1          | S 21 |
| M22  | 4 3 33  | 29°36'03          | 4 <b>Ω</b> 55  | 17°59          | 25° 3          | 26°17           | 1°22           | 5°38          | 29°42          | 14°20          | 16°34          | 4°41          | 3°33         | 13°50            | 29° 9          | M22  |
| T 23 | 4 7 29  | 0 <b>₮</b> 36'42  | 18°57          | 19°34          | 26°17          | 27° 2           | 1°35           | 5°41          | 29°39          | 14°22          | 16°34          | 4°40          | 3°30         | 13°57            | 29°17          | T 23 |
| W24  | 4 11 26 | 1°37'22           | 3 Mp 4         | 21° 8          | 27°30          | 27°48           | 1°48           | 5°43          | 29°37          | 14°24          | 16°33          | 4°D39         | 3°27         | 14° 4            | 29°25          | W24  |
| T 25 | 4 15 22 | 2°38'04           | 17°14          | 22°42          | 28°44          | 28°33           | 2° 1           | 5°46          | 29°35          | 14°25          | 16°33          | 4°40          | 3°24         | 14°10            | 29°32          | T 25 |
| F 26 | 4 19 19 | 3°38'47           | 1 <b>≏</b> 27  | 24°17          | 29°57          | 29°18           | 2°14           | 5°48          | 29°33          | 14°27          | 16°33          | 4°41          | 3°21         | 14°17            | 29°40          | F 26 |
| S 27 | 4 23 15 | 4°39'32           | 15°40          | 25°51          | 1 <b>M</b> .11 | 0중 4            | 2°27           | 5°50          | 29°31          | 14°29          | 16°33          | 4°43          | 3°18         | 14°24            | 29°48          | S 27 |
| S 28 | 4 27 12 | 5°40'19           | 29°49          | 27°26          | 2°25           | 0°49            | 2°40           | 5°52          | 29°28          | 14°30          | 16°32          | 4°R44         | 3°14         | 14°30            | 29°56          | S 28 |
| M29  | 4 31 8  | 6°41'07           | 13 <b>M</b> 53 | 29° 0          | 3°38           | 1°35            | 2°53           | 5°54          | 29°26          | 14°32          | 16°32          | 4°43          | 3°11         | 14°37            | 0 <b>∡</b> 7 4 | M29  |
| T 30 | 4 35 5  | 7 <b>.</b> ₹41'57 | 27 <b>M</b> 47 | 0 <b>∡</b> 35  | 4ML52          | 2 <b>ප්</b> 21  | 3 <b>ප</b> 6   | 5 <b>m</b> 56 | 29 <b>Ⅱ</b> 24 | 14 <b>₽</b> 33 | 16 <b>Ω</b> 32 | 4 <b>8</b> 42 | 3 <b>8</b> 8 | 14 <b>) (</b> 44 | 0 <b>√</b> 11  | T 30 |

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| Day          | Sid.t              | 0                           | D   | Ϋ́                     | φ                        | ð                       | 4                     | ħ                      | )ұ(                     | ¥                      | В                      | V                     | v                     | Ç                       | o<br>k                            | Day          |
|--------------|--------------------|-----------------------------|---|------------------------|--------------------------|-------------------------|-----------------------|------------------------|-------------------------|------------------------|------------------------|-----------------------|-----------------------|-------------------------|-----------------------------------|--------------|
| W 1          | 4 39 2             | 8 <b>∡</b> 742'48           | 11 <b>×</b> <sup>7</sup> 28   | 2 <b>₹</b> 9           | 6M 6                     | 3ට 6                    | 3 <b>ට</b> 19         | 5 <b>m</b> 58          | 29°R21                  | 14 <b>₽</b> 35         | 16°R31                 | 4°R38                 | 3 <b>8</b> 5          | 14 <b>)</b> (50         | 0 <b>才</b> 19                     | W 1          |
| T 2          | 4 42 58            | 9°43'40                     | 2 <u>4</u> °54  | 3°43                   | 7°20                     | 3°52                    | 3°32                  | 6° 0                   | 29∏19                   | 14°36                  | 16 <b>Ω</b> 31         | 4 <b>8</b> 33         | 3° 2                  | 14°57                   | 0°27                              | T 2          |
| F 3          | 4 46 55            | 10°44'33                    | 8중 1  | 5°18                   | 8°34                     | 4°38                    | 3°45                  | 6° 1                   | 29°17                   | 14°38                  | 16°31                  | 4°26                  | 2°58                  | 15° 4                   | 0°35                              | F 3          |
| S 4          | 4 50 51            | 11°45'28                    | 20°50   | 6°52                   | 9°48                     | 5°24                    | 3°59                  | 6° 3                   | 29°14                   | 14°39                  | 16°30                  | 4°19                  | 2°55                  | 15°10                   | 0°42                              | S 4          |
| S 5          | 4 54 48            | 12°46'23                    | 3≈21  | 8°26                   | 11° 2                    | 6° 9                    | 4°12                  | 6° 4                   | 29°12                   | 14°40                  | 16°30                  | 4°13                  | 2°52                  | 15°17                   | 0°50                              | S 5          |
| M 6          | 4 58 44            | 13°47'18                    | 15°36   | 10° 0                  | 12°16                    | 6°55                    | 4°25                  | 6° 6                   | 29° 9                   | 14°42                  | 16°29                  | 4° 8                  | 2°49                  | 15°24                   | 0°58                              | M 6          |
| T 7          | 5 2 41             | 14°48'15                    | 27°38   | 11°34                  | 13°30                    | 7°41                    | 4°39                  | 6° 7                   | 29° 7                   | 14°43                  | 16°29                  | 4° 4                  | 2°46                  | 15°31                   | 1° 5                              | T 7          |
| W 8<br>T 9   | 5 6 38<br>5 10 34  | 15°49'12<br>16°50'10        | 9 <b>米</b> 32<br>21°22  | 13° 9<br>14°43         | 14°44<br>15°58           | 8°27<br>9°13            | 4°52<br>5° 6          | 6° 8<br>6° 9           | 29° 4<br>29° 2          | 14°44<br>14°46         | 16°28<br>16°28         | 4° 3<br>4°D 2         | 2°43<br>2°39          | 15°37<br>15°44          | 1°13<br>1°21                      | W 8<br>T 9   |
| F 10         | 5 14 31            | 10°50°10°17°51'09           | $3^{\circ}1^{\circ}1^{\circ}1^{\circ}1^{\circ}1^{\circ}1^{\circ}1^{\circ}1$ | 16°17                  | 17°13                    | 10° 0                   | 5°19                  | 6°10                   | 28°59                   | 14°47                  | 16°27                  | 4 D 2                 | 2°36                  | 15°51                   | 1°28                              | F 10         |
| S 11         | 5 18 27            | 18°52'08                    | 15°12   | 17°51                  | 18°27                    | 10°46                   | 5°33                  | 6°10                   | 28°57                   | 14°48                  | 16°26                  | 4° 5                  | 2°33                  | 15°57                   | 1°36                              | S 11         |
| S 12         | 5 22 24            | 19°53'07                    | 27°22   | 19°26                  | 19°41                    | 11°32                   | 5°46                  | 6°11                   | 28°54                   | 14°49                  | 16°26                  | 4° 6                  | 2°30                  | 16° 4                   | 1°43                              | S 12         |
| M13          | 5 26 20            | 20°54'08                    | 9 <b>8</b> 48   | 21° 0                  | 20°56                    | 12°18                   | 6° 0                  | 6°11                   | 28°52                   | 14°50                  | 16°25                  | 4°R 6                 | 2°27                  | 16°11                   | 1°51                              | M13          |
| T 14         | 5 30 17            | 21°55'09                    | 22°33   | 22°34                  | 22°10                    | 13° 4                   | 6°14                  | 6°12                   | 28°49                   | 14°52                  | 16°24                  | 4° 5                  | 2°24                  | 16°17                   | 1°58                              | T 14         |
| W15<br>T 16  | 5 34 13<br>5 38 10 | 22°56'11<br>23°57'13        | 5 <b>∏</b> 39<br>19°6   | 24° 9<br>25°44         | 23°24<br>24°39           | 13°51<br>14°37          | 6°27                  | 6°12<br>6°12           | 28°47<br>28°44          | 14°53<br>14°54         | 16°24<br>16°23         | 4° 1<br>3°54          | 2°20<br>2°17          | 16°24<br>16°31          | 2° 6<br>2°13                      | W15<br>T 16  |
| F 17         | 5 42 7             | 23°57′13<br>24°58'16        | 2953  | 25°44<br>27°19         | 24°39<br>25°53           | 15°23                   | 6°41<br>6°55          | 6°R12                  | 28°44<br>28°42          | 14°54<br>14°55         | 16°23                  | 3°46                  | 2°14                  | 16°37                   | 2°13                              | F 17         |
| S 18         | 5 46 3             | 25°59'19                    | 16°56   | 28°54                  | 27° 8                    | 16°10                   | 7° 8                  | 6°12                   | 28°39                   | 14°56                  | 16°21                  | 3°37                  | 2°11                  | 16°44                   | 2°28                              | S 18         |
| S 19         | 5 50 0             | 27° 0'24                    | 1 <b>Ω</b> 10   | 0 <b>궁</b> 29          | 28°22                    | 16°56                   | 7°22                  | 6°12                   | 28°36                   | 14°57                  | 16°21                  | 3°28                  | 2° 8                  | 16°51                   | 2°35                              | S 19         |
| M20          | 5 53 56            | 28° 1'29                    | 15°29   | 2° 4                   | 29°37                    | 17°43                   | 7°36                  | 6°12                   | 28°34                   | 14°58                  | 16°20                  | 3°21                  | 2° 4                  | 16°57                   | 2°43                              | M20          |
| T 21         | 5 57 53            | 29° 2'35                    | 29°49   | 3°39                   | 0 <b>₹</b> 51            | 18°29                   | 7°50                  | 6°11                   | 28°31                   | 14°59                  | 16°19                  | 3°15                  | 2° 1                  | 17° 4                   | 2°50                              | T 21         |
| W22<br>T 23  | 6 1 49<br>6 5 46   | 0る 3'41<br>1° 4'48          | 14 m/ 5<br>28°15  | 5°15<br>6°51           | 2° 6<br>3°21             | 19°16<br>20° 3          | 8° 4<br>8°17          | 6°11<br>6°10           | 28°29<br>28°26          | 15° 0<br>15° 0         | 16°18<br>16°17         | 3°11<br>3°D10         | 1°58<br>1°55          | 17°11<br>17°18          | 2°57<br>3° 4                      | W22<br>T 23  |
| F 24         | 6 5 46<br>6 9 42   | 2° 5'56                     | 28°13<br>12 <b>Ω</b> 17   | 8°27                   | 4°35                     | 20° 49                  | 8°31                  | 6°10                   | 28°24                   | 15° 1                  | 16°17                  | 3°10                  | 1°52                  | 17°18                   | 3° 4<br>3°11                      | F 24         |
| S 25         | 6 13 39            | 3° 7'04                     | 26°11   | 10° 3                  | 5°50                     | 21°36                   | 8°45                  | 6° 9                   | 28°21                   | 15° 2                  | 16°15                  | 3°R11                 | 1°49                  | 17°31                   | 3°18                              | S 25         |
| S 26         | 6 17 36            | 4° 8'14                     | 9 <b>M</b> .56  | 11°40                  | 7° 5                     | 22°23                   | 8°59                  | 6° 8                   | 28°18                   | 15° 3                  | 16°14                  | 3°11                  | 1°45                  | 17°38                   | 3°26                              | S 26         |
| M27          | 6 21 32            | 5° 9'24                     | 23°33   | 13°17                  | 8°19                     | 23°10                   | 9°13                  | 6° 7                   | 28°16                   | 15° 3                  | 16°13                  | 3° 9                  | 1°42                  | 17°44                   | 3°33                              | M27          |
| T 28         | 6 25 29            | 6°10'34                     | 7 <b>₹</b> 0  | 14°53                  | 9°34                     | 23°56                   | 9°27                  | 6° 6                   | 28°13                   | 15° 4                  | 16°12                  | 3° 5                  | 1°39                  | 17°51                   | 3°40                              | T 28         |
| W29          | 6 29 25            | 7°11'45                     | 20°17   | 16°30                  | 10°49                    | 24°43                   | 9°41                  | 6° 4                   | 28°11                   | 15° 5                  | 16°11                  | 2°57                  | 1°36                  | 17°58                   | 3°47                              | W29          |
| T 30<br>F 31 | 6 33 22<br>6 37 18 | 8°12'56<br>9 <b>궁</b> 14'07 | 3 <b>ට</b> 23<br>16 <b>ට</b> 15   | 18°7<br>19 <b>る</b> 44 | 12° 4<br>13 <b>⁄</b> 719 | 25°30<br>26 <b>る</b> 17 | 9°55<br>10 <b>る</b> 8 | 6° 3<br>6 <b>m</b> ) 1 | 28° 8<br>28 <b>II</b> 6 | 15° 5<br>15 <b>♀</b> 6 | 16°10<br>16 <b>Ω</b> 9 | 2°47<br>2 <b>8</b> 35 | 1°33<br>1 <b>8</b> 30 | 18° 4<br>18 <b>∺</b> 11 | 3°53<br>4 <b>∡</b> <sup>7</sup> 0 | T 30<br>F 31 |

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| Day  | Sid.t   | 0                 | D               | ğ              | φ              | ♂     | 4              | ħ             | )Å(    | 卉             | Р              | n              | u              | ţ              | ę,            | Day  |
|------|---------|-------------------|-----------------|----------------|----------------|-------|----------------|---------------|--------|---------------|----------------|----------------|----------------|----------------|---------------|------|
| S 1  | 6 41 15 | 10 <b>ට</b> 15'18 | 28 <b>ප්</b> 54 | 21 <b>궁</b> 22 | 14 <b>×</b> 33 | 27중 4 | 10 <b>ට</b> 22 | 6°R 0         | 28°R 3 | 15 <b>♀</b> 6 | 16°R 8         | 2°R22          | 1826           | 18 <b>)</b> 18 | 4 <b>₹</b> 7  | S 1  |
| S 2  | 6 45 12 | 11°16'29          | 11≈18           | 22°59          | 15°48          | 27°51 | 10°36          | 5 <b>m</b> 58 | 28耳 1  | 15° 7         | 16 <b>Ω</b> 7  | 2810           | 1°23           | 18°24          | 4°14          | S 2  |
| M 3  | 6 49 8  | 12°17'40          | 23°30           | 24°36          | 17° 3          | 28°38 | 10°50          | 5°56          | 27°58  | 15° 7         | 16° 6          | 1°58           | 1°20           | 18°31          | 4°21          | M 3  |
| T 4  | 6 53 5  | 13°18'51          | 5 <b>)</b> (30  | 26°12          | 18°18          | 29°25 | 11° 4          | 5°54          | 27°56  | 15° 8         | 16° 5          | 1°50           | 1°17           | 18°38          | 4°27          | T 4  |
| W 5  | 6 57 1  | 14°20'01          | 17°22           | 27°49          | 19°33          | 0≈12  | 11°18          | 5°52          | 27°53  | 15° 8         | 16° 3          | 1°44           | 1°14           | 18°44          | 4°34          | W 5  |
| T 6  | 7 0 58  | 15°21'11          | 29°11           | 29°25          | 20°48          | 0°59  | 11°32          | 5°50          | 27°51  | 15° 9         | 16° 2          | 1°40           | 1°10           | 18°51          | 4°40          | T 6  |
| F 7  | 7 4 54  | 16°22'21          | 11 <b>°</b> 0   | 1≈ 0           | 22° 2          | 1°46  | 11°46          | 5°48          | 27°48  | 15° 9         | 16° 1          | 1°39           | 1° 7           | 18°58          | 4°47          | F 7  |
| S 8  | 7 8 51  | 17°23'30          | 22°56           | 2°34           | 23°17          | 2°33  | 12° 0          | 5°46          | 27°46  | 15° 9         | 16° 0          | 1°D39          | 1° 4           | 19° 4          | 4°53          | S 8  |
| S 9  | 7 12 47 | 18°24'39          | 5 <b>8</b> 4    | 4° 8           | 24°32          | 3°21  | 12°14          | 5°43          | 27°44  | 15°10         | 15°59          | 1°R39          | 1° 1           | 19°11          | 5° 0          | S 9  |
| M10  | 7 16 44 | 19°25'48          | 17°29           | 5°40           | 25°47          | 4° 8  | 12°27          | 5°41          | 27°41  | 15°10         | 15°57          | 1°38           | 0°58           | 19°18          | 5° 6          | M10  |
| T 11 | 7 20 41 | 20°26'56          | 0 <b>耳</b> 16   | 7°10           | 27° 2          | 4°55  | 12°41          | 5°38          | 27°39  | 15°10         | 15°56          | 1°35           | 0°55           | 19°24          | 5°12          | T 11 |
| W12  | 7 24 37 | 21°28'03          | 13°29           | 8°39           | 28°17          | 5°42  | 12°55          | 5°36          | 27°37  | 15°10         | 15°55          | 1°29           | 0°51           | 19°31          | 5°18          | W12  |
| T 13 | 7 28 34 | 22°29'10          | 27° 8           | 10° 5          | 2 <u>9</u> °32 | 6°29  | 13° 9          | 5°33          | 27°34  | 15°10         | 15°54          | 1°21           | 0°48           | 19°38          | 5°25          | T 13 |
| F 14 | 7 32 30 | 23°30'16          | 119513          | 11°28          | 0 <b>궁</b> 47  | 7°17  | 13°23          | 5°30          | 27°32  | 15°10         | 15°52          | 1°10           | 0°45           | 19°45          | 5°31          | F 14 |
| S 15 | 7 36 27 | 24°31'22          | 25°39           | 12°47          | 2° 2           | 8° 4  | 13°37          | 5°27          | 27°30  | 15°11         | 15°51          | 0°58           | 0°42           | 19°51          | 5°37          | S 15 |
| S 16 | 7 40 23 | 25°32'27          | 10 <b>Ω</b> 21  | 14° 3          | 3°17           | 8°51  | 13°50          | 5°24          | 27°28  | 15°R11        | 15°50          | 0°46           | 0°39           | 19°58          | 5°43          | S 16 |
| M17  | 7 44 20 | 26°33'32          | 25° 9           | 15°14          | 4°32           | 9°38  | 14° 4          | 5°21          | 27°26  | 15°11         | 15°48          | 0°35           | 0°36           | 20° 5          | 5°48          | M17  |
| T 18 | 7 48 16 | 27°34'37          | 9 <b>m</b> 55   | 16°19          | 5°47           | 10°26 | 14°18          | 5°17          | 27°24  | 15°11         | 15°47          | 0°26           | 0°32           | 20°11          | 5°54          | T 18 |
| W19  | 7 52 13 | 28°35'41          | 24°33           | 17°18          | 7° 2           | 11°13 | 14°32          | 5°14          | 27°21  | 15°10         | 15°46          | 0°21           | 0°29           | 20°18          | 6° 0          | W19  |
| T 20 | 7 56 10 | 29°36'44          | 8 <b>≏</b> 56   | 18°10          | 8°17           | 12° 0 | 14°45          | 5°11          | 27°19  | 15°10         | 15°44          | 0°18           | 0°26           | 20°25          | 6° 6          | T 20 |
| F 21 | 8 0 6   | 0≈37'48           | 23° 3           | 18°54          | 9°32           | 12°48 | 14°59          | 5° 7          | 27°17  | 15°10         | 15°43          | 0°17           | 0°23           | 20°31          | 6°11          | F 21 |
| S 22 | 8 4 3   | 1°38'51           | 6ML53           | 19°29          | 10°47          | 13°35 | 15°13          | 5° 4          | 27°15  | 15°10         | 15°42          | 0°17           | 0°20           | 20°38          | 6°17          | S 22 |
| S 23 | 8 7 59  | 2°39'53           | 20°27           | 19°54          | 12° 2          | 14°23 | 15°26          | 5° 0          | 27°13  | 15°10         | 15°40          | 0°16           | 0°16           | 20°45          | 6°22          | S 23 |
| M24  | 8 11 56 | 3°40'56           | 3 <b>∡</b> 747  | 20° 9          | 13°17          | 15°10 | 15°40          | 4°56          | 27°11  | 15°10         | 15°39          | 0°14           | 0°13           | 20°51          | 6°28          | M24  |
| T 25 | 8 15 52 | 4°41'57           | 16°54           | 20°R13         | 14°32          | 15°57 | 15°53          | 4°53          | 27° 9  | 15° 9         | 15°37          | 0° 8           | 0°10           | 20°58          | 6°33          | T 25 |
| W26  | 8 19 49 | 5°42'59           | 29°48           | 20° 5          | 15°47          | 16°45 | 16° 7          | 4°49          | 27° 8  | 15° 9         | 15°36          | 29 <b>Y</b> 59 | 0° 7           | 21° 5          | 6°38          | W26  |
| T 27 | 8 23 45 | 6°43'59           | 12 <b>る</b> 33  | 19°46          | 17° 2          | 17°32 | 16°21          | 4°45          | 27° 6  | 15° 9         | 15°35          | 29°49          | 0° 4           | 21°11          | 6°43          | T 27 |
| F 28 | 8 27 42 | 7°44'59           | 25° 6           | 19°16          | 18°17          | 18°20 | 16°34          | 4°41          | 27° 4  | 15° 8         | 15°33          | 29°35          | 0° 1           | 21°18          | 6°48          | F 28 |
| S 29 | 8 31 39 | 8°45'57           | 7 <b>≈</b> 30   | 18°35          | 19°32          | 19° 7 | 16°47          | 4°37          | 27° 2  | 15° 8         | 15°32          | 29°21          | 29 <b>Y</b> 57 | 21°25          | 6°53          | S 29 |
| S 30 | 8 35 35 | 9°46'55           | 19°43           | 17°45          | 20°47          | 19°55 | 17° 1          | 4°33          | 27° 1  | 15° 7         | 15°30          | 29° 6          | 29°54          | 21°31          | 6°58          | S 30 |
| M31  | 8 39 32 | 10≈47'52          | 1 <b>) (</b> 47 | 16≈46          | 22る 2          | 20≈42 | 17 <b>る</b> 14 | 4Mp28         | 26耳59  | 15 <b>♀</b> 7 | 15 <b>Ω</b> 29 | 28 <b>Y</b> 54 | 29 <b>Ƴ</b> 51 | 21 <b>米</b> 38 | 7 <b>,₹</b> 3 | M31  |

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FEBRUARY 1949 00:00 UT

| Day  | Sid.t    | 0               | 9               | φ      | ·              | o <sup>7</sup> | 4     | ħ       | ¥      | ¥              | 2              | ß              | Ω              | Ç              | κ <sub>O</sub> | Day  |
|------|----------|-----------------|-----------------|--------|----------------|----------------|-------|---------|--------|----------------|----------------|----------------|----------------|----------------|----------------|------|
| T 1  | 8 43 28  | 11≈48'47        | 13 <b>)</b> (43 | 15°R40 | 23 <b>궁</b> 17 | 21≈30          | 17る28 | 4°R24   | 26°R57 | 15°R 6         | 15°R27         | 28°R43         | 29 <b>Y</b> 48 | 21 <b>)</b> 45 | 7 <b>,₹</b> 8  | T 1  |
| W 2  | 8 47 25  | 12°49'41        | 25°33           | 14≈30  | 24°32          | 22°17          | 17°41 | 4 Mp 20 | 26耳56  | 15 <b>♀</b> 6  | 15 <b>Ω</b> 26 | 28 <b>Y</b> 36 | 29°45          | 21°51          | 7°13           | W 2  |
| T 3  | 8 51 21  | 13°50'34        | 7 <b>Υ</b> 20   | 13°17  | 25°47          | 23° 4          | 17°54 | 4°16    | 26°54  | 15° 5          | 15°25          | 28°31          | 29°42          | 21°58          | 7°17           | T 3  |
| F 4  | 8 55 18  | 14°51'26        | 19° 8           | 12° 4  | 27° 2          | 23°52          | 18° 7 | 4°11    | 26°53  | 15° 5          | 15°23          | 28°29          | 29°38          | 22° 5          | 7°22           | F 4  |
| S 5  | 8 59 14  | 15°52'16        | 18 1            | 10°52  | 28°17          | 24°39          | 18°20 | 4° 7    | 26°51  | 15° 4          | 15°22          | 28°D29         | 29°35          | 22°11          | 7°26           | S 5  |
| S 6  | 9 3 11   | 16°53'05        | 13° 6           | 9°43   | 29°32          | 25°27          | 18°34 | 4° 2    | 26°50  | 15° 3          | 15°20          | 28°R29         | 29°32          | 22°18          | 7°31           | S 6  |
| M 7  | 9 7 8    | 17°53'52        | 25°27           | 8°39   | 0≈47           | 26°14          | 18°47 | 3°58    | 26°48  | 15° 3          | 15°19          | 28°29          | 29°29          | 22°25          | 7°35           | M 7  |
| T 8  | 9 11 4   | 18°54'38        | 8 <b>Ⅱ</b> 10   | 7°42   | 2° 2           | 27° 2          | 19° 0 | 3°53    | 26°47  | 15° 2          | 15°17          | 28°27          | 29°26          | 22°31          | 7°39           | T 8  |
| W 9  | 9 15 1   | 19°55'22        | 21°19           | 6°51   | 3°17           | 27°49          | 19°13 | 3°48    | 26°46  | 15° 1          | 15°16          | 28°23          | 29°22          | 22°38          | 7°43           | W 9  |
| T 10 | 9 18 57  | 20°56'05        | 4958            | 6° 8   | 4°32           | 28°37          | 19°26 | 3°44    | 26°45  | 15° 0          | 15°15          | 28°16          | 29°19          | 22°45          | 7°47           | T 10 |
| F 11 | 9 22 54  | 21°56'46        | 19° 6           | 5°34   | 5°46           | 29°24          | 19°38 | 3°39    | 26°43  | 15° 0          | 15°13          | 28° 8          | 29°16          | 22°51          | 7°51           | F 11 |
| S 12 | 9 26 50  | 22°57'26        | 3 <b>Ω</b> 41   | 5° 7   | 7° 1           | 0 <b>¥</b> 12  | 19°51 | 3°34    | 26°42  | 14°59          | 15°12          | 27°58          | 29°13          | 22°58          | 7°55           | S 12 |
| S 13 | 9 30 47  | 23°58'04        | 18°36           | 4°48   | 8°16           | 0°59           | 20° 4 | 3°30    | 26°41  | 14°58          | 15°10          | 27°47          | 29°10          | 23° 5          | 7°58           | S 13 |
| M14  | 9 34 43  | 24°58'41        | 3 <b>m</b> ) 44 | 4°37   | 9°31           | 1°47           | 20°17 | 3°25    | 26°40  | 14°57          | 15° 9          | 27°38          | 29° 7          | 23°11          | 8° 2           | M14  |
| T 15 | 9 38 40  | 25°59'16        | 18°53           | 4°D33  | 10°46          | 2°34           | 20°29 | 3°20    | 26°39  | 14°56          | 15° 8          | 27°31          | 29° 3          | 23°18          | 8° 6           | T 15 |
| W16  | 9 42 37  | 26°59'49        | 3 <b>≏</b> 54   | 4°37   | 12° 1          | 3°21           | 20°42 | 3°15    | 26°38  | 14°55          | 15° 6          | 27°26          | 29° 0          | 23°25          | 8° 9           | W16  |
| T 17 | 9 46 33  | 28° 0'22        | 18°39           | 4°47   | 13°16          | 4° 9           | 20°54 | 3°11    | 26°37  | 14°54          | 15° 5          | 27°24          | 28°57          | 23°31          | 8°12           | T 17 |
| F 18 | 9 50 30  | 29° 0'53        | 3 <b>™</b> 2    | 5° 4   | 14°31          | 4°56           | 21° 7 | 3° 6    | 26°37  | 14°53          | 15° 3          | 27°D24         | 28°54          | 23°38          | 8°16           | F 18 |
| S 19 | 9 54 26  | 0 <b>光</b> 1′23 | 17° 2           | 5°26   | 15°46          | 5°44           | 21°19 | 3° 1    | 26°36  | 14°52          | 15° 2          | 27°24          | 28°51          | 23°45          | 8°19           | S 19 |
| S 20 | 9 58 23  | 1° 1'52         | 0 <b>₮</b> 40   | 5°53   | 17° 1          | 6°31           | 21°32 | 2°56    | 26°35  | 14°51          | 15° 1          | 27°R25         | 28°48          | 23°52          | 8°22           | S 20 |
| M21  | 10 2 19  | 2° 2'19         | 13°56           | 6°26   | 18°16          | 7°18           | 21°44 | 2°51    | 26°34  | 14°50          | 14°59          | 27°24          | 28°44          | 23°58          | 8°25           | M21  |
| T 22 | 10 6 16  | 3° 2'46         | 26°53           | 7° 3   | 19°31          | 8° 6           | 21°56 | 2°46    | 26°34  | 14°49          | 14°58          | 27°21          | 28°41          | 24° 5          | 8°28           | T 22 |
| W23  | 10 10 12 | 4° 3'10         | 9 <b>る</b> 35   | 7°45   | 20°46          | 8°53           | 22° 8 | 2°42    | 26°33  | 14°48          | 14°57          | 27°16          | 28°38          | 24°12          | 8°30           | W23  |
| T 24 | 10 14 9  | 5° 3'34         | 22° 4           | 8°30   | 22° 1          | 9°40           | 22°20 | 2°37    | 26°33  | 14°47          | 14°55          | 27° 9          | 28°35          | 24°18          | 8°33           | T 24 |
| F 25 | 10 18 6  | 6° 3'56         | 4≈22            | 9°19   | 23°16          | 10°28          | 22°32 | 2°32    | 26°32  | 14°45          | 14°54          | 27° 0          | 28°32          | 24°25          | 8°36           | F 25 |
| S 26 | 10 22 2  | 7° 4'16         | 16°32           | 10°11  | 24°30          | 11°15          | 22°44 | 2°27    | 26°32  | 14°44          | 14°53          | 26°50          | 28°28          | 24°32          | 8°38           | S 26 |
| S 27 | 10 25 59 | 8° 4'34         | 28°33           | 11° 7  | 25°45          | 12° 2          | 22°56 | 2°22    | 26°31  | 14°43          | 14°51          | 26°40          | 28°25          | 24°38          | 8°40           | S 27 |
| M28  | 10 29 55 | 9 <b>米</b> 4'51 | 10 <b>∺</b> 29  | 12≈ 5  | 27≈ 0          | 12 <b>米</b> 50 | 23중 7 | 2 Mp 18 | 26耳31  | 14 <b>≏</b> 42 | 14 <b>Ω</b> 50 | 26 <b>Y</b> 31 | 28 <b>Y</b> 22 | 24 <b>)</b> 45 | 8 <b>∡</b> 743 | M28  |

Delta T = 28.60 sec

MARCH 1949 00:00 UT

| Day          | Sid.t                | 0                           | D                        | ğ              | ·                     | ď                    | 4              | ħ            | )f(            | ¥              | Р              | N.             | U              | ţ              | Ŷ,             | Day          |
|--------------|----------------------|-----------------------------|--------------------------|----------------|-----------------------|----------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| T 1          | 10 33 52             | 10 <b>米</b> 5′06            | 22 <b>米</b> 20           | 13≈ 6          | 28≈15                 | 13 <b>)</b> 37       | 23 <b>궁</b> 19 | 2°R13        | 26°R31         | 14°R40         | 14°R49         | 26°R24         | 28 <b>Y</b> 19 | 24 <b>)</b> 52 | 8 <b>∡</b> 745 | T 1          |
| W 2          | 10 37 48             | 11° 5'19                    | 4 <b>Υ</b> 8             | 14°10          | 29°30                 | 14°24                | 23°31          | 2MD 8        | 26耳31          | 14 <b>≏</b> 39 | 14 <b>Ω</b> 47 | 26 <b>Y</b> 19 | 28°16          | 24°58          | 8°47           | W 2          |
| T 3          | 10 41 45             | 12° 5'30                    | 15°55                    | 15°16          | 0 <b>∺</b> 45         | 15°11                | 23°42          | 2° 3         | 26°31          | 14°38          | 14°46          | 26°16          | 28°13          | 25° 5          | 8°49           | T 3          |
| F 4          | 10 45 41             | 13° 5'40                    | 27°45                    | 16°24          | 2° 0                  | 15°59                | 23°54          | 1°58         | 26°30          | 14°36          | 14°45          | 26°D16         | 28° 9          | 25°12          | 8°51           | F 4          |
| S 5          | 10 49 38             | 14° 5'47                    | 9 <b>8</b> 40            | 17°34          | 3°14                  | 16°46                | 24° 5          | 1°54         | 26°D30         | 14°35          | 14°44          | 26°16          | 28° 6          | 25°18          | 8°52           | S 5          |
| S 6          | 10 53 35             | 15° 5'52                    | 21°46                    | 18°46          | 4°29                  | 17°33                | 24°16          | 1°49         | 26°30          | 14°34          | 14°43          | 26°18          | 28° 3          | 25°25          | 8°54           | S 6          |
| M 7          | 10 57 31             | 16° 5'55                    | 4 <b>I</b> I 6           | 20° 0          | 5°44                  | 18°20                | 24°27          | 1°45         | 26°31          | 14°32          | 14°41          | 26°20          | 28° 0          | 25°32          | 8°55           | M 7          |
| T 8          | 11 1 28              | 17° 5'56                    | 16°45                    | 21°16          | 6°59                  | 19° 7                | 24°38          | 1°40         | 26°31          | 14°31          | 14°40          | 26°R20         | 27°57          | 25°38          | 8°57           | T 8          |
| W 9          | 11 5 24              | 18° 5'55                    | 29°48                    | 22°34          | 8°14                  | 19°54                | 24°49          | 1°35         | 26°31          | 14°30          | 14°39          | 26°19          | 27°53          | 25°45          | 8°58           | W 9          |
| T 10         | 11 9 21              | 19° 5'52                    | 139518                   | 23°53          | 9°28                  | 20°41                | 25° 0          | 1°31         | 26°31          | 14°28          | 14°38          | 26°17          | 27°50          | 25°52          | 8°59           | T 10         |
| F 11<br>S 12 | 11 13 17<br>11 17 14 | 20° 5'47<br>21° 5'39        | 27°18<br>11 <b>Ω</b> 45  | 25°14<br>26°36 | 10°43<br>11°58        | 21°28<br>22°15       | 25°11<br>25°21 | 1°26<br>1°22 | 26°31<br>26°32 | 14°27<br>14°25 | 14°37<br>14°36 | 26°13<br>26° 8 | 27°47<br>27°44 | 25°58<br>26° 5 | 9° 1<br>9° 2   | F 11<br>S 12 |
|              |                      |                             |                          |                |                       |                      |                |              |                |                |                |                |                |                |                |              |
| S 13         | 11 21 10             | 22° 5'29                    | 26°37                    | 27°59          | 13°13                 | 23° 2                | 25°32          | 1°18         | 26°32          | 14°24          | 14°35          | 26° 3          | 27°41          | 26°12          | 9° 2           | S 13         |
| M14          | 11 25 7              | 23° 5'17                    | 11 <b>m</b> )46          | 29°25          | 14°27                 | 23°49                | 25°42          | 1°13         | 26°33          | 14°22          | 14°33          | 25°58          | 27°38          | 26°18          | 9° 3           | M14          |
| T 15         | 11 29 4              | 24° 5'02                    | 27° 2                    | 0 <b>¥</b> 51  | 15°42                 | 24°36                | 25°53          | 1° 9         | 26°33          | 14°21          | 14°32          | 25°55          | 27°34          | 26°25          | 9° 4           | T 15         |
| W16          | 11 33 0              | 25° 4'46                    | 12 <b>Ω</b> 15           | 2°19           | 16°57                 | 25°23                | 26° 3          | 1° 5         | 26°34          | 14°19          | 14°31          | 25°53          | 27°31          | 26°32          | 9° 4           | W16          |
| T 17         | 11 36 57             | 26° 4'28                    | 27°16                    | 3°48           | 18°11                 | 26°10                | 26°13          | 1° 1         | 26°34          | 14°18          | 14°30          | 25°D52         | 27°28          | 26°38          | 9° 5<br>9° 5   | T 17         |
| F 18<br>S 19 | 11 40 53<br>11 44 50 | 27° 4'08<br>28° 3'47        | 11 <b>M</b> .57<br>26°13 | 5°19<br>6°51   | 19°26<br>20°41        | 26°57<br>27°44       | 26°23<br>26°33 | 0°57<br>0°52 | 26°35<br>26°36 | 14°16<br>14°14 | 14°29<br>14°28 | 25°53<br>25°54 | 27°25<br>27°22 | 26°45<br>26°52 | , ,            | F 18<br>S 19 |
|              |                      |                             |                          |                |                       |                      |                |              |                |                |                |                |                |                | , ,            |              |
| S 20         | 11 48 46             | 29° 3'24                    | 10 <b>才</b> 2            | 8°24           | 21°55                 | 28°30                | 26°43          | 0°49         | 26°36          | 14°13          | 14°27          | 25°56          | 27°19          | 26°58          | 9° 6           | S 20         |
| M21          | 11 52 43             | 0 <b>Υ</b> 2'59             | 23°25                    | 9°59           | 23°10                 | 29°17                | 26°53          | 0°45         | 26°37          | 14°11          | 14°26          | 25°57          | 27°15          | 27° 5          | 9°R 6          | M21          |
| T 22         | 11 56 39             | 1° 2'32                     | 6 <b>る</b> 25            | 11°35          | 24°25                 | 0 <b>Υ</b> 4         | 27° 2          | 0°41         | 26°38          | 14°10          | 14°26          | 25°R57         | 27°12          | 27°12          | 9° 6           | T 22         |
| W23          | 12 0 36              | 2° 2'04                     | 19° 4                    | 13°12          | 25°39                 | 0°51                 | 27°12          | 0°37         | 26°39          | 14° 8          | 14°25          | 25°56          | 27° 9          | 27°18          | 9° 6<br>9° 5   | W23          |
| T 24         | 12 4 33              | 3° 1'33                     | 1≈27                     | 14°50          | 26°54                 | 1°37                 | 27°21          | 0°33         | 26°40          | 14° 7          | 14°24          | 25°53          | 27° 6          | 27°25          | , ,            | T 24         |
| F 25<br>S 26 | 12 8 29<br>12 12 26  | 4° 1'01<br>5° 0'27          | 13°37<br>25°37           | 16°30<br>18°11 | 28° 8<br>29°23        | 2°24<br>3°10         | 27°30<br>27°40 | 0°30<br>0°26 | 26°41<br>26°42 | 14° 5<br>14° 3 | 14°23<br>14°22 | 25°50<br>25°47 | 27° 3<br>26°59 | 27°32<br>27°38 | 9° 5<br>9° 5   | F 25<br>S 26 |
|              |                      |                             |                          | _              |                       |                      |                |              | -              | _              |                |                |                |                | , ,            |              |
| S 27         | 12 16 22             | 5°59'52                     | 7 <b>)</b> €30           | 19°54          | 0 <b>Υ</b> 38         | 3°57                 | 27°49          | 0°23         | 26°43          | 14° 2          | 14°21          | 25°43          | 26°56          | 27°45          | 9° 4           | S 27         |
| M28          | 12 20 19             | 6°59'14                     | 19°20                    | 21°38          | 1°52                  | 4°43                 | 27°57          | 0°19         | 26°44          | 14° 0          | 14°21          | 25°40          | 26°53          | 27°52          | 9° 3           | M28          |
| T 29         | 12 24 15             | 7°58'34                     | 1Υ 8                     | 23°23          | 3° 7                  | 5°30                 | 28° 6          | 0°16         | 26°46          | 13°58          | 14°20          | 25°38          | 26°50          | 27°58          | 9° 3           | T 29         |
| W30          | 12 28 12             | 8°57'52<br>9 <b>°</b> 57'08 | 12°57<br>24 <b>Υ</b> 48  | 25° 9          | 4°21<br>5 <b>Ƴ</b> 36 | 6°16<br>7 <b>Y</b> 3 | 28°15          | 0°13         | 26°47          | 13°57          | 14°19          | 25°37          | 26°47          | 28° 5          | 9° 2           | W30          |
| T 31         | 12 32 8              | 9.1.27.08                   | 24°¥°48                  | 26 <b>米</b> 57 | 5.1.36                | / Y 3                | 28중23          | 0 <b>m</b> 9 | 26∏48          | 13 <b>≏</b> 55 | 14 <b>Ω</b> 18 | 25°D36         | 26 <b>℃</b> 44 | 28 <b>米</b> 11 | 9 <b>.7</b> 1  | T 31         |

Delta T = 28.63 sec

APRIL 1949 00:00 UT

| Day         | Sid.t                | 0                    | D                      | ğ               | φ              | ♂              | 4              | ħ              | )∤(            | ¥              | В              | v               | Ω              | Ç                     | Š             | Day         |
|-------------|----------------------|----------------------|------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|-----------------------|---------------|-------------|
| F 1         | 12 36 5              | 10 <b>Y</b> 56'22    | 6 <b>8</b> 44          | 28 <b>)</b> (46 | 6 <b>Υ</b> 50  | 7 <b>Ƴ</b> 49  | 28 <b>궁</b> 32 | 0°R 6          | 26耳50          | 13°R53         | 14°R18         | 25 <b>Y</b> 37  | 26 <b>Y</b> 40 | 28 <b>)</b> 18        | 9°R 0         | F 1         |
| S 2         | 12 40 2              | 11°55'34             | 18°47                  | 0 <b>Υ</b> 37   | 8° 5           | 8°35           | 28°40          | 0 <b>m</b> y 3 | 26°51          | 13 <b>≏</b> 52 | 14 <b>Ω</b> 17 | 25°37           | 26°37          | 28°25                 | 8 <b>才</b> 59 | S 2         |
| S 3         | 12 43 58             | 12°54'44             | 1 <b>I</b> 0           | 2°29            | 9°19           | 9°22           | 28°48          | 0° 0           | 26°52          | 13°50          | 14°16          | 25°39           | 26°34          | 28°31                 | 8°57          | S 3         |
| M 4         | 12 47 55             | 13°53'52             | 13°26                  | 4°22            | 10°34          | 10° 8          | 28°56          | 29 <b>Ω</b> 58 | 26°54          | 13°49          | 14°16          | 25°40           | 26°31          | 28°38                 | 8°56          | M 4         |
| T 5         | 12 51 51             | 14°52'57             | 26° 9                  | 6°17            | 11°48          | 10°54          | 29° 4          | 29°55          | 26°56          | 13°47          | 14°15          | 25°41           | 26°28          | 28°45                 | 8°55          | T 5         |
| W 6         | 12 55 48             | 15°52'00             | 99511                  | 8°13            | 13° 2          | 11°40          | 29°11          | 29°52          | 26°57          | 13°45          | 14°15          | 25°41           | 26°25          | 28°51                 | 8°53          | W 6         |
| T 7         | 12 59 44             | 16°51'01             | 22°35                  | 10°11           | 14°17          | 12°27          | 29°19          | 29°50          | 26°59          | 13°44          | 14°14          | 25°R41          | 26°21          | 28°58                 | 8°51          | T 7         |
| F 8<br>S 9  | 13 3 41              | 17°49'59             | 6 <b>Ω</b> 23          | 12°10           | 15°31          | 13°13          | 29°26          | 29°47          | 27° 1          | 13°42          | 14°14          | 25°41           | 26°18          | 29° 5                 | 8°50          | F 8<br>S 9  |
|             | 13 7 37              | 18°48'55             | 20°36                  | 14°10           | 16°46          | 13°59          | 29°34          | 29°45          | 27° 2          | 13°40          | 14°13          | 25°40           | 26°15          | 29°11                 | 8°48          | ~ /         |
| S 10        | 13 11 34             | 19°47'48             | 5 <b>m</b> 11          | 16°11           | 18° 0          | 14°45          | 29°41          | 29°43          | 27° 4          | 13°39          | 14°13          | 25°40           | 26°12          | 29°18                 | 8°46          | S 10        |
| M11         | 13 15 31             | 20°46'40             | 20° 5                  | 18°14           | 19°14          | 15°31          | 29°48          | 29°41          | 27° 6          | 13°37          | 14°12          | 25°39           | 26° 9          | 29°25                 | 8°44          | M11         |
| T 12        | 13 19 27             | 21°45'29             | 5 <u>₽</u> 10          | 20°18           | 20°29          | 16°17          | 29°55          | 29°38          | 27° 8          | 13°35          | 14°12          | 25°39           | 26° 5          | 29°31                 | 8°42          | T 12        |
| W13<br>T 14 | 13 23 24<br>13 27 20 | 22°44'16<br>23°43'01 | 20°18<br>5 <b>M</b> 20 | 22°23<br>24°28  | 21°43<br>22°57 | 17° 2<br>17°48 | 0≈ 1<br>0° 8   | 29°37<br>29°35 | 27°10<br>27°12 | 13°34<br>13°32 | 14°11<br>14°11 | 25°D38<br>25°38 | 26° 2<br>25°59 | 29°38<br>29°45        | 8°40<br>8°37  | W13<br>T 14 |
| F 15        | 13 27 20             | 23 43 01<br>24°41'44 | 20° 7                  | 24 28<br>26°34  | 24°11          | 17 48<br>18°34 | 0°14           | 29°33          | 27°14          | 13°31          | 14 11<br>14°11 | 25°39           | 25°56          | 29°51                 | 8°35          | F 15        |
| S 16        | 13 35 17             | 25°40'25             | 4×732                  | 28°41           | 25°26          | 19°20          | 0°20           | 29°31          | 27°16          | 13°29          | 14°10          | 25°R39          | 25°53          | 29°58                 | 8°32          | S 16        |
| S 17        | 13 39 10             | 26°39'05             | 18°32                  | 0 <b>8</b> 48   | 26°40          | 20° 5          | 0°26           | 29°30          | 27°18          | 13°27          | 14°10          | 25°38           | 25°50          | oΥ 5                  | 8°30          | S 17        |
| M18         | 13 43 6              | 20°39'03<br>27°37'43 | 2 <b>云</b> 5           | 2°55            | 20°40<br>27°54 | 20°51          | 0°32           | 29°28          | 27°18<br>27°20 | 13°27          | 14°10          | 25°38           | 25°46          | 0°11                  | 8°27          | M18         |
| T 19        | 13 47 3              | 28°36'19             | 15°12                  | 5° 2            | 29° 8          | 20°37          | 0°38           | 29°27          | 27°22          | 13°24          | 14°10          | 25°38           | 25°43          | 0°18                  | 8°25          | T 19        |
| W20         | 13 51 0              | 29°34'54             | 27°55                  | 7° 8            | 0822           | 22°22          | 0°44           | 29°26          | 27°25          | 13°23          | 14° 9          | 25°D38          | 25°40          | 0°25                  | 8°22          | W20         |
| T 21        | 13 54 56             | 0833'27              | 10≈19                  | 9°13            | 1°37           | 23° 8          | 0°49           | 29°24          | 27°27          | 13°21          | 14° 9          | 25°38           | 25°37          | 0°31                  | 8°19          | T 21        |
| F 22        | 13 58 53             | 1°31'58              | 22°27                  | 11°18           | 2°51           | 23°53          | 0°54           | 29°23          | 27°29          | 13°19          | 14° 9          | 25°38           | 25°34          | 0°38                  | 8°16          | F 22        |
| S 23        | 14 2 49              | 2°30'28              | 4 <b>)</b> €24         | 13°20           | 4° 5           | 24°39          | 1° 0           | 29°22          | 27°32          | 13°18          | 14° 9          | 25°39           | 25°30          | 0°45                  | 8°13          | S 23        |
| S 24        | 14 6 46              | 3°28'56              | 16°14                  | 15°21           | 5°19           | 25°24          | 1° 4           | 29°22          | 27°34          | 13°16          | 14° 9          | 25°40           | 25°27          | 0°51                  | 8°10          | S 24        |
| M25         | 14 10 42             | 4°27'22              | 28° 2                  | 17°20           | 6°33           | 26° 9          | 1° 9           | 29°21          | 27°36          | 13°15          | 14° 9          | 25°41           | 25°24          | 0°58                  | 8° 7          | M25         |
| T 26        | 14 14 39             | 5°25'46              | 9 <b>Ƴ</b> 50          | 19°17           | 7°47           | 26°55          | 1°14           | 29°20          | 27°39          | 13°13          | 14° 9          | 25°41           | 25°21          | 1° 5                  | 8° 4          | T 26        |
| W27         | 14 18 35             | 6°24'09              | 21°42                  | 21°10           | 9° 1           | 27°40          | 1°18           | 29°20          | 27°41          | 13°12          | 14°D 9         | 25°R42          | 25°18          | 1°11                  | 8° 0          | W27         |
| T 28        | 14 22 32             | 7°22'30              | 3840                   | 23° 1           | 10°16          | 28°25          | 1°22           | 29°19          | 27°44          | 13°10          | 14° 9          | 25°42           | 25°15          | 1°18                  | 7°57          | T 28        |
| F 29        | 14 26 28             | 8°20'49              | 15°46                  | 24°49           | 11°30          | 29°10          | 1°27           | 29°19          | 27°46          | 13° 9          | 14° 9          | 25°41           | 25°11          | 1°25<br>1 <b>Ƴ</b> 31 | 7°54          | F 29        |
| S 30        | 14 30 25             | 9 <b>8</b> 19'07     | 28 <b>8</b> 3          | 26 <b>8</b> 33  | 12 <b>8</b> 44 | 29 <b>Y</b> 55 | 1≈30           | 29 <b>Ω</b> 19 | 27 <b>Ⅱ</b> 49 | 13 <b>♀</b> 7  | 14 <b>Ω</b> 9  | 25 <b>Ƴ</b> 40  | 25 <b>℃</b> 8  | 1.1.31                | 7 <b>₹</b> 50 | S 30        |

Delta T = 28.66 sec

MAY 1949 00:00 UT

| Day  | Sid.t                | 0                | D               | ğ              | Q              | ď              | 4            | ħ              | )∤(            | ¥              | В              | n              | v              | Ç             | o<br>k         | Day          |
|------|----------------------|------------------|-----------------|----------------|----------------|----------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|--------------|
| S 1  | 14 34 22             | 10817'23         | 10耳30           | 28814          | 13 <b>8</b> 58 | 0 <b>8</b> 40  | 1≈34         | 29°D19         | 27 <b>Ⅲ</b> 52 | 13°R 6         | 14 <b>Q</b> 9  | 25°R38         | 25 <b>Y</b> 5  | 1 <b>Υ</b> 38 | 7°R47          | S 1          |
| M 2  | 14 38 18             | 11°15'36         | 23°11           | 29°51          | 15°12          | 1°25           | 1°38         | 29 <b>Ω</b> 19 | 27°54          | 13 <b>♀</b> 5  | 14° 9          | 25 <b>Y</b> 36 | 25° 2          | 1°45          | 7 <b>.</b> ₹43 | M 2          |
| T 3  | 14 42 15             | 12°13'48         | 699 6           | 1∏24           | 16°26          | 2°10           | 1°41         | 29°19          | 27°57          | 13° 3          | 14° 9          | 25°33          | 24°59          | 1°51          | 7°40           | T 3          |
| W 4  | 14 46 11             | 13°11'58         | 19°16           | 2°53           | 17°40          | 2°55           | 1°44         | 29°19          | 28° 0          | 13° 2          | 14°10          | 25°32          | 24°56          | 1°58          | 7°36           | W 4          |
| T 5  | 14 50 8              | 14°10'06         | 2 <b>Ω</b> 43   | 4°19           | 18°54          | 3°40           | 1°47         | 29°19          | 28° 3          | 13° 0          | 14°10          | 25°30          | 24°52          | 2° 5          | 7°32           | T 5          |
| F 6  | 14 54 4              | 15° 8'12         | 16°27           | 5°40           | 20° 8          | 4°25           | 1°50         | 29°20          | 28° 6          | 12°59          | 14°10          | 25°D30         | 24°49          | 2°11          | 7°28           | F 6          |
| S 7  | 14 58 1              | 16° 6'16         | 0 <b>m</b> 29   | 6°57           | 21°22          | 5° 9           | 1°53         | 29°20          | 28° 8          | 12°58          | 14°10          | 25°30          | 24°46          | 2°18          | 7°24           | S 7          |
| S 8  | 15 1 58              | 17° 4'18         | 14°47           | 8°10           | 22°36          | 5°54           | 1°55         | 29°21          | 28°11          | 12°56          | 14°11          | 25°32          | 24°43          | 2°25          | 7°21           | S 8          |
| M 9  | 15 5 54              | 18° 2'18         | 29°19           | 9°19           | 23°49          | 6°39           | 1°58         | 29°22          | 28°14          | 12°55          | 14°11          | 25°33          | 24°40          | 2°31          | 7°17           | M 9          |
| T 10 | 15 9 51              | 19° 0'16         | 14 <u>₽</u> 2   | 10°23          | 25° 3          | 7°23           | 2° 0         | 29°23          | 28°17          | 12°54          | 14°11          | 25°34          | 24°36          | 2°38          | 7°13           | T 10         |
| W11  | 15 13 47             | 19°58'13         | 28°50           | 11°22          | 26°17          | 8° 8           | 2° 2         | 29°24          | 28°20          | 12°53          | 14°12          | 25°R34         | 24°33          | 2°44          | 7° 9           | W11          |
| T 12 | 15 17 44             | 20°56'07         | 13 <b>M</b> .36 | 12°18          | 27°31          | 8°52           | 2° 3         | 29°25          | 28°23          | 12°51          | 14°12          | 25°33          | 24°30          | 2°51          | 7° 5           | T 12         |
| F 13 | 15 21 40             | 21°54'01         | 28°13           | 13° 8          | 28°45          | 9°37           | 2° 5         | 29°26          | 28°26          | 12°50          | 14°13          | 25°31          | 24°27          | 2°58          | 7° 1           | F 13         |
| S 14 | 15 25 37             | 22°51'53         | 12 <b>~</b> 35  | 13°54          | 29°59          | 10°21          | 2° 6         | 29°27          | 28°29          | 12°49          | 14°13          | 25°28          | 24°24          | 3° 4          | 6°56           | S 14         |
| S 15 | 15 29 33             | 23°49'43         | 26°35           | 14°36          | 1 <b>I</b> I13 | 11° 5          | 2° 7         | 29°29          | 28°32          | 12°48          | 14°14          | 25°24          | 24°21          | 3°11          | 6°52           | S 15         |
| M16  | 15 33 30             | 24°47'32         | 10중12           | 15°12          | 2°26           | 11°50          | 2° 8         | 29°30          | 28°35          | 12°47          | 14°14          | 25°20          | 24°17          | 3°18          | 6°48           | M16          |
| T 17 | 15 37 27             | 25°45'20         | 23°23           | 15°44          | 3°40           | 12°34          | 2° 9         | 29°32          | 28°38          | 12°46          | 14°15          | 25°16          | 24°14          | 3°24          | 6°44           | T 17         |
| W18  | 15 41 23             | 26°43'07         | 6≈11            | 16°11          | 4°54           | 13°18          | 2°10         | 29°33          | 28°42          | 12°45          | 14°15          | 25°13          | 24°11          | 3°31          | 6°40           | W18          |
| T 19 | 15 45 20             | 27°40'52         | 18°38           | 16°33          | 6° 8           | 14° 2          | 2°10         | 29°35          | 28°45          | 12°43          | 14°16          | 25°11          | 24° 8          | 3°38          | 6°35           | T 19         |
| F 20 | 15 49 16             | 28°38'37         | 0 <b>)</b> €47  | 16°50<br>17° 3 | 7°21           | 14°46          | 2°10         | 29°37          | 28°48          | 12°42          | 14°16          | 25°D11         | 24° 5          | 3°44          | 6°31           | F 20         |
| S 21 | 15 53 13             | 29°36'20         | 12°45           |                | 8°35           | 15°30          | 2°R10        | 29°39          | 28°51          | 12°41          | 14°17          | 25°11          | 24° 2          | 3°51          | 6°27           | S 21         |
| S 22 | 15 57 9              | 0 <b>Ⅲ</b> 34'02 | 24°35           | 17°10          | 9°49           | 16°14          | 2°10         | 29°41          | 28°54          | 12°40          | 14°18          | 25°13          | 23°58          | 3°58          | 6°23           | S 22         |
| M23  | 16 1 6               | 1°31'43          | 6 <b>℃</b> 23   | 17°R13         | 11° 3          | 16°58          | 2°10         | 29°43          | 28°58          | 12°39          | 14°18          | 25°14          | 23°55          | 4° 4          | 6°18           | M23          |
| T 24 | 16 5 2               | 2°29'23          | 18°13           | 17°11          | 12°16          | 17°42          | 2° 9         | 29°46          | 29° 1          | 12°39          | 14°19          | 25°16          | 23°52          | 4°11          | 6°14           | T 24         |
| W25  | 16 8 59              | 3°27'02          | 08 9            | 17° 5          | 13°30          | 18°25          | 2° 9         | 29°48          | 29° 4          | 12°38          | 14°20          | 25°R16         | 23°49          | 4°18          | 6°10           | W25          |
| T 26 | 16 12 56             | 4°24'40          | 12°16           | 16°54          | 14°44          | 19° 9          | 2° 8         | 29°50          | 29° 8          | 12°37          | 14°21          | 25°14          | 23°46          | 4°24          | 6° 5           | T 26         |
| F 27 | 16 16 52<br>16 20 49 | 5°22'17          | 24°34           | 16°39          | 15°57<br>17°11 | 19°53<br>20°36 | 2° 6         | 29°53<br>29°56 | 29°11<br>29°14 | 12°36          | 14°22          | 25°11<br>25° 6 | 23°42<br>23°39 | 4°31          | 6° 1<br>5°57   | F 27<br>S 28 |
| S 28 |                      | 6°19'53          | 7 <b>I</b> 7    | 16°20          |                |                | 2° 5         |                | -              | 12°35          | 14°22          |                |                | 4°38          |                |              |
| S 29 | 16 24 45             | 7°17'27          | 19°54           | 15°58          | 18°25          | 21°20          | 2° 4         | 29°58          | 29°18          | 12°34          | 14°23          | 24°59          | 23°36          | 4°44          | 5°52           | S 29         |
| M30  | 16 28 42             | 8°15'01          | 2956            | 15°33          | 19°38          | 22° 3          | 2° 2         | 0 Mp 1         | 29°21          | 12°33          | 14°24          | 24°52          | 23°33          | 4°51          | 5°48           | M30          |
| T 31 | 16 32 38             | 9 <b>Ⅱ</b> 12'33 | 169911          | 15 <b>II</b> 5 | 20 <b>Ⅱ</b> 52 | 22 <b>8</b> 47 | 2 <b>≈</b> 0 | 0Mp 4          | 29 <b>Ⅱ</b> 25 | 12 <b>₾</b> 33 | 14 <b>Ω</b> 25 | 24 <b>Y</b> 45 | 23 <b>Y</b> 30 | 4 <b>Υ</b> 58 | 5 <b>√</b> 144 | T 31         |

Delta T = 28.69 sec

JUNE 1949 00:00 UT

| Day  | Sid.t    | 0                 | D               | ğ               | φ               | ♂              | 4              | ħ       | )f(   | ¥              | В              | v              | Ω              | Ç             | ç              | Day  |
|------|----------|-------------------|-----------------|-----------------|-----------------|----------------|----------------|---------|-------|----------------|----------------|----------------|----------------|---------------|----------------|------|
| W 1  | 16 36 35 | 10 <b>Ⅱ</b> 10′04 | 299540          | 14°R35          | 22 <b>I</b> I 6 | 23 <b>8</b> 30 | 1°R58          | 0Mp 7   | 29∏28 | 12°R32         | 14 <b>Ω</b> 26 | 24°R39         | 23 <b>Y</b> 27 | 5 <b>Υ</b> 4  | 5°R39          | W 1  |
| T 2  | 16 40 31 | 11° 7'34          | 13 <b>Ω</b> 19  | 14 <b>I</b> I 3 | 23°19           | 24°14          | 1≈56           | 0°11    | 29°31 | 12 <b>≏</b> 31 | 14°27          | 24 <b>Y</b> 34 | 23°23          | 5°11          | 5 <b>₹</b> 35  | T 2  |
| F 3  | 16 44 28 | 12° 5'03          | 27°10           | 13°30           | 24°33           | 24°57          | 1°53           | 0°14    | 29°35 | 12°31          | 14°28          | 24°31          | 23°20          | 5°18          | 5°31           | F 3  |
| S 4  | 16 48 25 | 13° 2'30          | 11 <b>m</b> 9   | 12°57           | 25°46           | 25°40          | 1°51           | 0°17    | 29°38 | 12°30          | 14°29          | 24°D30         | 23°17          | 5°24          | 5°27           | S 4  |
| S 5  | 16 52 21 | 13°59'56          | 25°17           | 12°23           | 27° 0           | 26°23          | 1°48           | 0°21    | 29°42 | 12°29          | 14°30          | 24°30          | 23°14          | 5°31          | 5°22           | S 5  |
| M 6  | 16 56 18 | 14°57'20          | 9 <b>≙</b> 32   | 11°50           | 28°13           | 27° 6          | 1°45           | 0°24    | 29°45 | 12°29          | 14°31          | 24°31          | 23°11          | 5°38          | 5°18           | M 6  |
| T 7  | 17 0 14  | 15°54'44          | 23°53           | 11°18           | 29°27           | 27°50          | 1°42           | 0°28    | 29°49 | 12°28          | 14°32          | 24°R32         | 23° 8          | 5°44          | 5°14           | T 7  |
| W 8  | 17 4 11  | 16°52'06          | 8 <b>M</b> .16  | 10°48           | 09540           | 28°32          | 1°39           | 0°31    | 29°52 | 12°28          | 14°33          | 24°31          | 23° 4          | 5°51          | 5°10           | W 8  |
| T 9  | 17 8 7   | 17°49'28          | 22°37           | 10°21           | 1°54            | 29°15          | 1°35           | 0°35    | 29°56 | 12°27          | 14°34          | 24°28          | 23° 1          | 5°57          | 5° 6           | T 9  |
| F 10 | 17 12 4  | 18°46'48          | 6 <b>₹</b> 53   | 9°55            | 3° 7            | 29°58          | 1°31           | 0°39    | 29°59 | 12°27          | 14°35          | 24°23          | 22°58          | 6° 4          | 5° 1           | F 10 |
| S 11 | 17 16 0  | 19°44'08          | 20°57           | 9°33            | 4°21            | 0 <b>Ⅱ</b> 41  | 1°28           | 0°43    | 099 3 | 12°26          | 14°36          | 24°16          | 22°55          | 6°11          | 4°57           | S 11 |
| S 12 | 17 19 57 | 20°41'27          | 4 <b>궁</b> 46   | 9°15            | 5°34            | 1°24           | 1°24           | 0°47    | 0° 6  | 12°26          | 14°38          | 24° 7          | 22°52          | 6°17          | 4°53           | S 12 |
| M13  | 17 23 54 | 21°38'45          | 18°15           | 9° 0            | 6°48            | 2° 7           | 1°19           | 0°51    | 0°10  | 12°26          | 14°39          | 23°57          | 22°48          | 6°24          | 4°49           | M13  |
| T 14 | 17 27 50 | 22°36'03          | 1≈23            | 8°49            | 8° 1            | 2°49           | 1°15           | 0°55    | 0°14  | 12°25          | 14°40          | 23°48          | 22°45          | 6°31          | 4°45           | T 14 |
| W15  | 17 31 47 | 23°33'21          | 14°10           | 8°42            | 9°15            | 3°32           | 1°11           | 1° 0    | 0°17  | 12°25          | 14°41          | 23°41          | 22°42          | 6°37          | 4°41           | W15  |
| T 16 | 17 35 43 | 24°30'37          | 26°36           | 8°D40           | 10°28           | 4°14           | 1° 6           | 1° 4    | 0°21  | 12°25          | 14°42          | 23°35          | 22°39          | 6°44          | 4°38           | T 16 |
| F 17 | 17 39 40 | 25°27'54          | 8 <b>) (</b> 47 | 8°42            | 11°41           | 4°57           | 1° 1           | 1° 8    | 0°24  | 12°24          | 14°44          | 23°31          | 22°36          | 6°51          | 4°34           | F 17 |
| S 18 | 17 43 36 | 26°25'10          | 20°45           | 8°49            | 12°55           | 5°39           | 0°56           | 1°13    | 0°28  | 12°24          | 14°45          | 23°30          | 22°33          | 6°57          | 4°30           | S 18 |
| S 19 | 17 47 33 | 27°22'26          | 2 <b>Y</b> 35   | 9° 0            | 14° 8           | 6°22           | 0°51           | 1°17    | 0°32  | 12°24          | 14°46          | 23°D30         | 22°29          | 7° 4          | 4°26           | S 19 |
| M20  | 17 51 29 | 28°19'42          | 14°24           | 9°17            | 15°22           | 7° 4           | 0°46           | 1°22    | 0°35  | 12°24          | 14°48          | 23°30          | 22°26          | 7°11          | 4°22           | M20  |
| T 21 | 17 55 26 | 29°16'57          | 26°16           | 9°37            | 16°35           | 7°46           | 0°40           | 1°27    | 0°39  | 12°24          | 14°49          | 23°R31         | 22°23          | 7°17          | 4°19           | T 21 |
| W22  | 17 59 23 | 09্ত14'12         | 8816            | 10° 3           | 17°48           | 8°29           | 0°35           | 1°32    | 0°42  | 12°24          | 14°50          | 23°30          | 22°20          | 7°24          | 4°15           | W22  |
| T 23 | 18 3 19  | 1°11'28           | 20°29           | 10°33           | 19° 2           | 9°11           | 0°29           | 1°37    | 0°46  | 12°24          | 14°52          | 23°26          | 22°17          | 7°31          | 4°12           | T 23 |
| F 24 | 18 7 16  | 2° 8'43           | 2耳59            | 11° 7           | 20°15           | 9°53           | 0°23           | 1°42    | 0°49  | 12°D24         | 14°53          | 23°21          | 22°14          | 7°37          | 4° 8           | F 24 |
| S 25 | 18 11 12 | 3° 5'57           | 15°46           | 11°46           | 21°28           | 10°35          | 0°17           | 1°47    | 0°53  | 12°24          | 14°55          | 23°13          | 22°10          | 7°44          | 4° 5           | S 25 |
| S 26 | 18 15 9  | 4° 3'12           | 28°53           | 12°29           | 22°42           | 11°17          | 0°11           | 1°52    | 0°57  | 12°24          | 14°56          | 23° 3          | 22° 7          | 7°51          | 4° 1           | S 26 |
| M27  | 18 19 5  | 5° 0'27           | 129518          | 13°17           | 23°55           | 11°59          | 0° 5           | 1°57    | 1° 0  | 12°24          | 14°57          | 22°52          | 22° 4          | 7°57          | 3°58           | M27  |
| T 28 | 18 23 2  | 5°57'41           | 25°58           | 14° 9           | 25° 8           | 12°41          | 29 <b>궁</b> 59 | 2° 2    | 1° 4  | 12°24          | 14°59          | 22°40          | 22° 1          | 8° 4          | 3°55           | T 28 |
| W29  | 18 26 59 | 6°54'55           | 9 <b>Ω</b> 51   | 15° 5           | 26°21           | 13°23          | 29°52          | 2° 7    | 1° 7  | 12°24          | 15° 0          | 22°30          | 21°58          | 8°10          | 3°52           | W29  |
| T 30 | 18 30 55 | 7952'08           | 23 <b>N</b> 52  | 16 <b>I</b> I 6 | 27935           | 14 <b>II</b> 5 | 29 <b>궁</b> 46 | 2 Mp 13 | 19911 | 12 <b>≏</b> 24 | 15 <b>Ω</b> 2  | 22 <b>Y</b> 22 | 21 <b>Y</b> 54 | 8 <b>Υ</b> 17 | 3 <b>,</b> ₹48 | T 30 |

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| Day          | Sid.t                | 0                    | D                              | ğ                     | Q.              | δ              | 4                     | ħ            | )Å(          | ¥                                  | Р              | P.             | v                | ţ              | ę,             | Day          |
|--------------|----------------------|----------------------|--------------------------------|-----------------------|-----------------|----------------|-----------------------|--------------|--------------|------------------------------------|----------------|----------------|------------------|----------------|----------------|--------------|
| F 1          | 18 34 52             | 8949'21              | 7 <b>m</b> 59                  | 17 <b>Ⅲ</b> 10        | 289548          | 14∏46          | 29°R39                | 2 Mp 18      | 19915        | 12 <b>≏</b> 25                     | 15 <b>Ω</b> 3  | 22°R17         | 21 <b>Y</b> 51   | 8 <b>Υ</b> 24  | 3°R45          | F 1          |
| S 2          | 18 38 48             | 9°46'34              | 22° 7                          | 18°19                 | 0 <b>Ω</b> 1    | 15°28          | 29 <b>궁</b> 32        | 2°24         | 1°18         | 12°25                              | 15° 5          | 22 <b>Y</b> 14 | 21°48            | 8°30           | 3 <b>∡</b> 142 | S 2          |
| S 3          | 18 42 45             | 10°43'46             | 6 <b>₽</b> 16                  | 19°31                 | 1°14            | 16°10          | 29°25                 | 2°29         | 1°22         | 12°25                              | 15° 7          | 22°D13         | 21°45            | 8°37           | 3°40           | S 3          |
| M 4          | 18 46 41             | 11°40'58             | 20°23                          | 20°48                 | 2°27            | 16°51          | 29°18                 | 2°35         | 1°25         | 12°25                              | 15° 8          | 22°R13         | 21°42            | 8°44           | 3°37           | M 4          |
| T 5          | 18 50 38             | 12°38'09             | 4ML29                          | 22° 8                 | 3°40            | 17°33          | 29°11                 | 2°41         | 1°29         | 12°26                              | 15°10          | 22°12          | 21°39            | 8°50           | 3°34           | T 5          |
| W 6          | 18 54 34             | 13°35'21             | 18°31                          | 23°32                 | 4°54            | 18°14          | 29° 4                 | 2°47         | 1°32         | 12°26                              | 15°11          | 22°11          | 21°35            | 8°57           | 3°31           | W 6          |
| T 7          | 18 58 31             | 14°32'32             | 2 <b>₹</b> 28                  | 25° 0                 | 6° 7            | 18°55          | 28°57                 | 2°52         | 1°36         | 12°27                              | 15°13          | 22° 6          | 21°32            | 9° 4           | 3°29           | T 7          |
| F 8          | 19 2 28              | 15°29'43             | 16°18                          | 26°32                 | 7°20            | 19°37          | 28°50                 | 2°58         | 1°39         | 12°27                              | 15°14          | 21°59          | 21°29            | 9°10           | 3°26           | F 8          |
| S 9          | 19 6 24              | 16°26'54             | 29°59                          | 28° 7                 | 8°33            | 20°18          | 28°42                 | 3° 4         | 1°43         | 12°27                              | 15°16          | 21°50          | 21°26            | 9°17           | 3°24           | S 9          |
| S 10         | 19 10 21             | 17°24'06             | 13 <b>る</b> 27                 | 29°46                 | 9°46            | 20°59          | 28°35                 | 3°10         | 1°46         | 12°28                              | 15°18          | 21°38          | 21°23            | 9°24           | 3°21           | S 10         |
| M11          | 19 14 17             | 18°21'17             | 26°40                          | 19528                 | 10°59           | 21°40          | 28°27                 | 3°16         | 1°50         | 12°28                              | 15°19          | 21°25          | 21°20            | 9°30           | 3°19           | M11          |
| T 12         | 19 18 14             | 19°18'29             | 9 <b>≈</b> 35                  | 3°14                  | 12°12           | 22°21          | 28°20                 | 3°22         | 1°53         | 12°29                              | 15°21          | 21°13          | 21°16            | 9°37           | 3°17           | T 12         |
| W13          | 19 22 10             | 20°15'41             | 22°14                          | 5° 3                  | 13°25           | 23° 3          | 28°12                 | 3°29         | 1°57         | 12°30                              | 15°23          | 21° 3          | 21°13            | 9°44           | 3°15           | W13          |
| T 14         | 19 26 7              | 21°12'53             | 4 <b>)</b> €36                 | 6°55                  | 14°38           | 23°44          | 28° 5                 | 3°35         | 2° 0         | 12°30                              | 15°24          | 20°54          | 21°10            | 9°50           | 3°13           | T 14         |
| F 15         | 19 30 3              | 22°10'06             | 16°43                          | 8°50                  | 15°51           | 24°24          | 27°57                 | 3°41         | 2° 4         | 12°31                              | 15°26          | 20°49          | 21° 7            | 9°57           | 3°11           | F 15         |
| S 16         | 19 34 0              | 23° 7'19             | 28°40                          | 10°47                 | 17° 4           | 25° 5          | 27°49                 | 3°47         | 2° 7         | 12°32                              | 15°28          | 20°45          | 21° 4            | 10° 4          | 3° 9           | S 16         |
| S 17         | 19 37 57             | 24° 4'33             | 10 <b>Y</b> 29                 | 12°47                 | 18°17           | 25°46          | 27°42                 | 3°54         | 2°11         | 12°32                              | 15°30          | 20°44          | 21° 0            | 10°10          | 3° 7           | S 17         |
| M18          | 19 41 53             | 25° 1'47             | 22°18                          | 14°48                 | 19°30           | 26°27          | 27°34                 | 4° 0         | 2°14         | 12°33                              | 15°31          | 20°44          | 20°57            | 10°17          | 3° 6           | M18          |
| T 19         | 19 45 50             | 25°59'02             | 4810                           | 16°52                 | 20°43           | 27° 8          | 27°26                 | 4° 7         | 2°17         | 12°34                              | 15°33          | 20°44          | 20°54            | 10°23          | 3° 4           | T 19         |
| W20          | 19 49 46             | 26°56'19             | 16°12                          | 18°57                 | 21°55           | 27°48          | 27°18                 | 4°13         | 2°21         | 12°35                              | 15°35          | 20°42          | 20°51            | 10°30          | 3° 3           | W20          |
| T 21         | 19 53 43             | 27°53'35<br>28°50'53 | 28°28                          | 21° 3<br>23°10        | 23° 8<br>24°21  | 28°29<br>29°10 | 27°11<br>27° 3        | 4°20<br>4°26 | 2°24         | 12°36<br>12°36                     | 15°36          | 20°39<br>20°34 | 20°48<br>20°45   | 10°37<br>10°43 | 3° 1<br>3° 0   | T 21<br>F 22 |
| F 22<br>S 23 | 19 57 39<br>20 1 36  | 28°30'33<br>29°48'12 | 11 <b>II</b> 3<br>24° 0        | 25°17                 | 25°34           | 29°50          | 26°55                 | 4°26<br>4°33 | 2°27<br>2°31 | 12°36<br>12°37                     | 15°38<br>15°40 | 20°34<br>20°26 | 20°43<br>20°41   | 10°43<br>10°50 | 3° 0<br>2°59   | S 23         |
|              |                      |                      | -                              |                       |                 |                |                       |              |              |                                    |                |                | -                |                |                |              |
| S 24         | 20 5 32              | 0 <b>Ω</b> 45'31     | 79521                          | 27°24                 | 26°47           | 0931           | 26°47                 | 4°40         | 2°34         | 12°38                              | 15°42          | 20°16          | 20°38            | 10°57          | 2°58           | S 24         |
| M25          | 20 9 29              | 1°42'51              | 21° 4                          | 29°32                 | 28° 0           | 1°11           | 26°40                 | 4°46         | 2°37         | 12°39                              | 15°44          | 20° 5          | 20°35            | 11° 3          | 2°57           | M25          |
| T 26         | 20 13 26             | 2°40'11<br>3°37'33   | 5 <b>Ω</b> 7                   | 1 <b>Ω</b> 39<br>3°45 | 29°12           | 1°51           | 26°32                 | 4°53<br>5° 0 | 2°40<br>2°44 | 12°40<br>12°41                     | 15°45          | 19°53          | 20°32<br>20°29   | 11°10<br>11°17 | 2°56<br>2°55   | T 26<br>W27  |
| W27<br>T 28  | 20 17 22<br>20 21 19 | 4°34'55              | 19°25<br>3 <b>m</b> 52         | 5°51                  | 0 Mp 25<br>1°38 | 2°32<br>3°12   | 26°24<br>26°17        | 5° 0         | 2°44<br>2°47 | 12°41<br>12°42                     | 15°47<br>15°49 | 19°43<br>19°35 | 20°29<br>20°26   | 11°17<br>11°23 | 2°53<br>2°54   | T 28         |
| F 29         | 20 21 19 20 25 15    | 5°32'17              | 18°21                          | 7°56                  | 2°50            | 3°52           | 26° 17<br>26° 9       | 5°14         | 2°50         | 12°42<br>12°43                     | 15°49<br>15°51 | 19°33          | 20°26<br>20°22   | 11°23          | 2°53           | F 29         |
| S 30         | 20 29 12             | 6°29'40              | 2 <u>0</u> 48                  | 10° 0                 | 4° 3            | 4°32           | 26° 2                 | 5°21         | 2°53         | 12°44                              | 15°53          | 19°26          | 20°19            | 11°37          | 2°53           | S 30         |
| S 31         | 20 33 8              | $7\Omega_{27}$ 03    | 2 <b>—</b> 46<br>17 <b>Ω</b> 9 | 12Ω 2                 | 5 Mp 16         | 5 <b>9</b> 12  | 25 <b>\forall5</b> 54 | 5 m 28       | 2956         | 12 <del>44</del><br>12 <b>Ω</b> 46 | 15 <b>Ω</b> 54 | 19°D25         | 20 T)<br>20 Υ 16 | 11 <b>°</b> 43 | 2 ×7 52        | S 31         |
| 551          | 2000 0               | ,062703              | 1/ <b>—</b> /                  | 1206 2                | ט זי אָנוי כ    | 3-12           | 20007                 | J 11 20      | 2-30         | 12-70                              | 10007          | 17 1523        | 20 1 10          | 11173          | 2× 32          | 551          |

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|---|------|----------|--------------------|----------------|---------------|----------------|----------------|----------------|----------------|-------|----------------|----------------|--------|----------------|----------------|---------------|------|
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  | Day  | Sid.t    | 0                  | D              | ğ             | φ              | o <sup>7</sup> | 4              | ħ              | )Å(   | ¥              | В              | ₽.     | v              | ţ              | , k           | Day  |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  | M 1  | 20 37 5  | 8 <b>Ω</b> 24'28   | 1 <b>M</b> 20  | 14 <b>Ω</b> 3 | 6 <b>m</b> 28  | 5952           | 25°R47         | 5 <b>m</b> 35  | 2959  | 12 <b>≙</b> 47 | 15 <b>Ω</b> 56 | 19°R25 | 20Υ13          | 11 <b>Y</b> 50 | 2°R52         | M 1  |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  | T 2  | 20 41 1  | 9°21'52            | -              |               |                |                |                |                |       |                |                |        |                |                |               | T 2  |
| F 5 20 52 51 12°14'10 26°20 21°53 11°19 8°32 25°18 6° 3 3°11 12°52 16° 3 19°14 20° 0 12°16 2°52 F S 6 20 56 48 13°11'38 9°53 7 23°47 12°31 9°11 25°11 6°10 3°14 12°53 16° 5 19° 6 19°57 12°23 2°52 S S 7 21 0 44 11° 9′06 22°42 25°39 13°43 9°51 25° 4 6°18 3°17 12°54 16° 7 18°56 19°54 12°30 2°52 S M 8 21 4 41 15° 6′35 58°34 27°30 14°56 10°31 24°57 6°25 3°20 12°56 16° 9 18°45 19°51 12°36 2°52 S M 7 9 21 8 37 16° 4′06 18°13 29°19 16° 8 11°10 24°50 6°32 3°23 12°57 16°11 18°34 19°47 12°43 2°53 T W10 21 12 34 17° 137 0 13°81 18°33 12°29 24°37 6°47 3°29 13° 0 16°14 18°17 19°44 12°50 2°53 W T 11 21 16 30 17°5909 12°51 2°53 18°33 12°29 24°37 6°47 3°29 13° 0 16°14 18°17 19°44 12°56 2°54 T F 12 21 20 27 18°56'43 24°52 4°37 19°45 13° 8 24°30 6°54 3°31 13° 1 16°16 18°12 19°38 13° 3 2°55 F S 13 21 24 24 19°54'18 6°14 56°20 20°57 13°48 24°24 7° 1 3°34 13° 3 16°18 18° 9 19°35 13°10 2°56 S S 14 21 28 20 20°5154 18°33 8° 2 22° 9 14°27 24°18 7° 9 3°37 13° 4 16°20 18°D 8 19°32 13°10 2°56 S S 14 21 28 20 20°5154 18°33 32 26′58 17° 4 24°35 47° 13° 13° 14° 16° 16° 18° 12 19° 38 13° 3 2°55 F S 13 21 24 4 6 24°42'35 6∏29 14°3 26′58 17° 4 23°54 7°31 3°45 13° 9 16°24 18° 10 19°25 13° 30 2°59 T W17 21 40 10 23° 44′33 24°13 12°57 25° 46 16° 24 24° 0 7° 31 3° 44 16° 27 18° 10 19° 22 13° 36 3° 0 W T 18 21 44 6 24° 24′25 6∏29 14°33 26′58 17° 4 23° 54 7° 38 3° 52 13° 14 16° 18° 18° 19° 19° 13° 43 3° 1 F 19 21 48 3 25° 40′ 19 19° 4 16° 7 28° 10 17° 43 23° 49 7° 46 3° 50 13° 12 16° 29° 18° 7 19° 16 13° 49 3° 3 F S 20 21 51 59 26° 38′ 05 22° 1 14° 31 26° 5 15° 22° 12° 13° 10 29° 22 18° 11 10° 11 16° 11 18° 14 16° 11 18° 14 19° 11 14° 11 11 11 11 11 11 11 11 11 11 11 11 11  | W 3  | 20 44 58 |                    | -              | -             |                |                |                |                |       |                |                |        |                | _              |               | W 3  |
| S 6 20 56 48    13°11'38    9₹37    23°47    12°31    9°11    25°11    6°10    3°14    12°53    16° 5    19° 6    19°57    12°23    2°52    S S 7    21    044    14° 9'06    22°42    25°39    13°43    9°51    25° 4    6°18    3°17    12°54    16° 7    18°56    19°54    12°30    2°52    S M 8 21    441    15° 6'35    58≈34    27°30    14°56    10°31    24°57    6°25    3°20    12°56    16° 9    18°45    19°51    12°36    2°52    M 8 21    441    15° 6'35    58≈34    27°30    14°56    10°31    24°57    6°25    3°20    12°56    16° 9    18°45    19°51    12°36    2°52    M 8 21    441    15° 6'35    58≈34    27°30    14°56    10°31    24°57    6°25    3°20    12°56    16° 9    18°45    19°51    12°36    2°53    M 7    17°21    15° 10° 1    18°34    10° 1    18°34    19°47    12°43    2°53    M 7    17°20    11°50    24°43    6°39    3°26    12°58    16°13    18°24    19°44    12°50    2°53    M 7    111    116 30    17°590    12°51    2°53    18°33    12°29    24°37    6°47    3°29    13° 0    16°14    18°17    19°41    12°56    2°54    M 7    12°10    27° 1    18°36    18° 1    10° 14    18° 17    19°41    12°56    2°54    M 1    12° 12° 12° 12° 12° 12° 12° 13° 18° 8    24°30    6°54    3°31    13° 1    16°16    18°17    19°48    13° 3    2°55    S 13    21 24 24    19°54′18    6°45    6°20    20°57    13°48    24°24    7° 1    3°34    13° 3    16°18    18° 9    19°35    13° 10    2°56    S 14    21 28 20    20°51′54    18°33    8° 2    22°9    14°27    24°18    7° 9    3°37    13° 4    16°20    18° 18    18° 19° 19° 18    13° 10    2°56    S 116    13° 10    23°44′53    22°47′12    12°12    11°20    24°34    15°45    24° 6    7°23    3°40    13° 6    16°22    18° 9    19°28    13°33    2°57    M 17    116    2136 13    22°47′12    12°12    11°20    24°34    15°45    24° 6    7°23    3°40    13° 6    16°22    18° 9    19°28    13°33    2°57    10°11    10°14    18°10    19°19    13°43    10°14    18°10    19°19    13°43    10°14    18°10    19°19    13°43    10°14    18°10    10°14    18°10    10°14    18°10   |      |          |                    |                | -, -,         |                |                |                |                |       |                |                |        |                |                |               | T 4  |
| $ \begin{array}{c} 8 \ 7 \ 21 \ 044 \ 14^{\circ} \ 9'06 \ 22^{\circ}42 \ 25^{\circ}39 \ 13^{\circ}43 \ 9'51 \ 25^{\circ}4 \ 6'18 \ 3''17 \ 12^{\circ}54 \ 16'' 7 \ 18^{\circ}56 \ 19''54 \ 12''30 \ 2''52 \ S \\ M 8 \ 21 \ 441 \ 15'' \ 6'35 \ 5 \approx 34 \ 27''30 \ 14''56 \ 10''31 \ 24''57 \ 6''25 \ 3''20 \ 12''56 \ 16'' 9 \ 18''45 \ 19''51 \ 12''36 \ 2''52 \ M \\ T \ 9 \ 21 \ 8 \ 37 \ 16'' \ 4''06 \ 18''13 \ 29''19 \ 16'' 8 \ 11''10 \ 24''50 \ 6''32 \ 3''23 \ 12''57 \ 16''11 \ 18''34 \ 19''47 \ 12''43 \ 2''53 \ T \\ T \ 12' \ 13' \ 0 \ 13'' \ 12''54 \ 16'' 7 \ 18''34 \ 19''44 \ 12''43 \ 2''53 \ T \\ T \ 12' \ 13'' \ 0 \ 12''56 \ 16'' 9 \ 18''45 \ 19''51 \ 12''36 \ 2''53 \ M \\ T \ 10' \ 13'' \ 1$   |      |          | -                  |                |               | -              |                |                |                |       | -              |                |        |                | -              |               | -    |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   | S 6  | 20 56 48 | 13°11'38           | 9 <b>3</b> 37  | 23°47         | 12°31          | 9°11           | 25°11          | 6°10           | 3°14  | 12°53          | 16° 5          | 19° 6  | 19°57          | 12°23          | 2°52          | S 6  |
| $\begin{array}{c} T \ 9 \ 21 \ 837 \ 16^{\circ} \ 406 \ 18^{\circ} 13 \ 29^{\circ} 19 \ 16^{\circ} 8 \ 11^{\circ} 10 \ 24^{\circ} 50 \ 6^{\circ} 32 \ 3^{\circ} 23 \ 12^{\circ} 57 \ 16^{\circ} 11 \ 18^{\circ} 34 \ 19^{\circ} 47 \ 12^{\circ} 43 \ 2^{\circ} 53 \ T \\ W10 \ 21 \ 12 \ 34 \ 17^{\circ} 137 \ 0) \ 438 \ 1 \ 10^{\circ} 7 \ 17^{\circ} 20 \ 11^{\circ} 50 \ 24^{\circ} 43 \ 6^{\circ} 39 \ 3^{\circ} 26 \ 12^{\circ} 58 \ 16^{\circ} 13 \ 18^{\circ} 24 \ 19^{\circ} 44 \ 12^{\circ} 50 \ 2^{\circ} 53 \ W \\ T 11 \ 21 \ 16 \ 30 \ 17^{\circ} 5909 \ 12^{\circ} 51 \ 2^{\circ} 53 \ 18^{\circ} 33 \ 12^{\circ} 29 \ 24^{\circ} 37 \ 6^{\circ} 47 \ 3^{\circ} 29 \ 13^{\circ} 0 \ 16^{\circ} 14 \ 18^{\circ} 17 \ 19^{\circ} 41 \ 12^{\circ} 56 \ 2^{\circ} 54 \ T \\ F 12 \ 21 \ 20 \ 27 \ 18^{\circ} 5643 \ 24^{\circ} 22 \ 24^{\circ} 37 \ 19^{\circ} 45 \ 13^{\circ} 8 \ 24^{\circ} 30 \ 6^{\circ} 43 \ 3^{\circ} 31 \ 13^{\circ} 1 \ 16^{\circ} 16 \ 18^{\circ} 12 \ 19^{\circ} 38 \ 13^{\circ} 3 \ 2^{\circ} 55 \ F \\ S 13 \ 21 \ 24 \ 24 \ 19^{\circ} 54^{\circ} 18 \ 6^{\circ} 45 \ 6^{\circ} 20 \ 20^{\circ} 57 \ 13^{\circ} 48 \ 24^{\circ} 24 \ 7^{\circ} 1 \ 3^{\circ} 34 \ 13^{\circ} 3 \ 16^{\circ} 18 \ 18^{\circ} 9 \ 19^{\circ} 35 \ 13^{\circ} 10 \ 2^{\circ} 56 \ S \\ M15 \ 21 \ 32 \ 17 \ 21^{\circ} 49 32 \ 0821 \ 9^{\circ} 42 \ 23^{\circ} 22 \ 15^{\circ} 6 \ 24^{\circ} 12 \ 7^{\circ} 16 \ 3^{\circ} 34 \ 13^{\circ} 3 \ 16^{\circ} 18 \ 18^{\circ} 9 \ 19^{\circ} 35 \ 13^{\circ} 10 \ 2^{\circ} 56 \ S \\ M15 \ 21 \ 32 \ 17 \ 21^{\circ} 49 32 \ 0821 \ 9^{\circ} 42 \ 23^{\circ} 22 \ 15^{\circ} 6 \ 24^{\circ} 12 \ 7^{\circ} 16 \ 3^{\circ} 34 \ 13^{\circ} 3 \ 16^{\circ} 18 \ 18^{\circ} 9 \ 19^{\circ} 35 \ 13^{\circ} 10 \ 2^{\circ} 56 \ S \\ M15 \ 21 \ 32 \ 17 \ 21^{\circ} 49 32 \ 0821 \ 12^{\circ} 57 \ 25^{\circ} 46 \ 16^{\circ} 24 \ 24^{\circ} 0 \ 7^{\circ} 31 \ 3^{\circ} 45 \ 13^{\circ} 9 \ 16^{\circ} 25 \ 18^{\circ} 10 \ 19^{\circ} 22 \ 13^{\circ} 30 \ 2^{\circ} 57 \ M \\ T 18 \ 21 \ 44 \ 6 \ 24^{\circ} 24^{\circ} 23 \ 24^{\circ} 13 \ 12^{\circ} 57 \ 25^{\circ} 46 \ 16^{\circ} 24 \ 24^{\circ} 0 \ 7^{\circ} 31 \ 3^{\circ} 45 \ 13^{\circ} 9 \ 16^{\circ} 25 \ 18^{\circ} 10 \ 19^{\circ} 22 \ 13^{\circ} 30 \ 2^{\circ} 57 \ M \\ T 18 \ 21 \ 44 \ 6 \ 24^{\circ} 23^{\circ} 53 \ 17^{\circ} 4 \ 23^{\circ} 54 \ 7^{\circ} 38 \ 3^{\circ} 47 \ 13^{\circ} 11 \ 16^{\circ} 27 \ 18^{\circ} 10 \ 19^{\circ} 22 \ 13^{\circ} 30 \ 2^{\circ} 57 \ M \\ T 18 \ 21 \ 44 \ 6 \ 24^{\circ} 23^{\circ} 53 \ 17^{\circ} 4 \ 23^{\circ} 54 \ 7^{\circ} 38 \ 3^{\circ} 47 \ 13^{\circ} 11 \ 16^{\circ} 27 \ 18^{\circ} 10 \ 19^{\circ} 13^{\circ} 33 \ 3^{\circ} 1 \ T \\ F 19 \ 21 \ 48 \ 3 $ | S 7  | 21 0 44  | 14° 9'06           | 22°42          | 25°39         | 13°43          | 9°51           | 25° 4          | 6°18           | 3°17  | 12°54          | 16° 7          | 18°56  | 19°54          | 12°30          | 2°52          | S 7  |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  |      |          |                    |                |               |                |                |                |                |       |                |                |        |                |                |               | M 8  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   | T 9  |          |                    |                | 29°19         |                | 11°10          | 24°50          |                |       |                | -              |        | 19°47          | -              |               | T 9  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |      |          |                    |                |               |                |                | _              |                |       |                |                | -      | _              |                |               | W10  |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   |      |          |                    | -              |               |                | -              |                |                |       |                |                |        |                |                |               | T 11 |
| \$\begin{array}{ c c c c c c c c c c c c c c c c c c c  |      |          |                    |                |               |                |                |                |                |       | -              |                | _      |                |                |               | F 12 |
| M15   | S 13 | 21 24 24 | 19°54'18           | 6 <b>Υ</b> ′45 | 6°20          | 20°57          | 13°48          | 24°24          | 7° 1           | 3°34  | 13° 3          | 16°18          | 18° 9  | 19°35          | 13°10          | 2°56          | S 13 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  | S 14 | 21 28 20 | 20°51'54           | 18°33          | 8° 2          | 22° 9          | 14°27          | 24°18          | 7° 9           | 3°37  | 13° 4          | 16°20          | 18°D 8 | 19°32          | 13°16          | 2°56          | S 14 |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  | M15  | 21 32 17 | 21°49'32           | 0821           | 9°42          | 23°22          | 15° 6          | 24°12          | 7°16           | 3°40  | 13° 6          | 16°22          | 18° 9  | 19°28          | 13°23          | 2°57          | M15  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   | T 16 | 21 36 13 | 22°47'12           | 12°12          | 11°20         | 24°34          | 15°45          | 24° 6          |                | 3°42  | 13° 7          | 16°24          | 18°10  | 19°25          | 13°30          |               | T 16 |
| F 19  |      |          |                    | _              |               |                | -              | -              |                |       |                |                | -      | _              |                |               | W17  |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  |      | -        |                    |                |               |                | -, -           |                |                |       |                | -              |        |                |                | -             | T 18 |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   |      |          |                    | -              |               |                |                |                |                |       | -              |                |        |                |                |               | F 19 |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  | S 20 | 21 51 59 | 26°38'05           | 299 3          | 17°40         | 29°22          | 18°21          | 23°43          | 7°53           | 3°52  | 13°14          | 16°31          | 18° 2  | 19°12          | 13°56          | 3° 4          | S 20 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   | S 21 | 21 55 56 | 27°35'53           | 15°29          | 19°11         | 0 <b>ჲ</b> 34  | 19° 0          | 23°38          |                | 3°55  | 13°16          | 16°33          | 17°56  | 19° 9          |                |               | S 21 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  |      |          |                    |                |               | -              |                |                |                |       | ,              |                | -,     |                |                |               | M22  |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   |      |          |                    |                |               |                |                |                |                |       |                |                | -,     |                | -              |               | T 23 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  |      |          | ~                  | -              |               |                |                |                |                |       |                |                |        |                | _              |               | W24  |
| S 27     22 19 35     3°23'10     12 \( \old{\Pmatrix}\)43     27°47     7°45     22°52     23°10     8°46     4° 9     13°26     16°43     17°D23     18°50     14°43     3°17     S       S 28     22 23 32     4°21'07     27°23     29° 8     8°57     23°31     23° 5     8°53     4°11     13°28     16°45     17°23     18°47     14°49     3°19     S       M29     22 27 28     5°19'06     11 m.48     0 27     10° 9     24° 9     23° 1     9° 1     4°13     13°30     16°47     17°24     18°44     14°56     3°22     M       T 30     22 31 25     6°17'07     25°56     1°44     11°20     24°48     22°58     9° 8     4°15     13°31     16°49     17°26     18°41     15° 3     3°24     T  |      |          |                    |                |               | -              |                |                |                |       |                |                |        |                | -              |               | T 25 |
| S 28     22 23 32     4°21'07     27°23     29° 8     8°57     23°31     23° 5     8°53     4°11     13°28     16°45     17°23     18°47     14°49     3°19     S       M29     22 27 28     5°19'06     11 m48     0 27     10° 9     24° 9     23° 1     9° 1     4°13     13°30     16°47     17°24     18°44     14°56     3°22     M       T 30     22 31 25     6°17'07     25°56     1°44     11°20     24°48     22°58     9° 8     4°15     13°31     16°49     17°26     18°41     15° 3     3°24     T   |      |          |                    |                |               |                |                | -              |                |       | _              | -              |        |                |                |               | F 26 |
| M29   22 27 28   5°19′06   11 M48   0 \( \Omega \)27   10° 9   24° 9   23° 1   9° 1   4°13   13°30   16°47   17°24   18°44   14°56   3°22   M   T 30   22 31 25   6°17′07   25°56   1°44   11°20   24°48   22°58   9° 8   4°15   13°31   16°49   17°26   18°41   15° 3   3°24   T   | S 27 | 22 19 35 | 3°23'10            | 12 <b>≏</b> 43 | 27°47         | 7°45           | 22°52          | 23°10          | 8°46           | 4° 9  | 13°26          | 16°43          | 17°D23 | 18°50          | 14°43          | 3°17          | S 27 |
| T 30   22 31 25   6°17'07   25°56   1°44   11°20   24°48   22°58   9°8   4°15   13°31   16°49   17°26   18°41   15°3   3°24   T   | S 28 | 22 23 32 | 4°21'07            | 27°23          |               | 8°57           | 23°31          | 23° 5          | 8°53           | 4°11  | 13°28          | 16°45          | 17°23  | 18°47          | 14°49          | 3°19          | S 28 |
|   |      |          |                    |                |               |                |                | -              |                |       |                | -              |        | -              |                |               | M29  |
| W31 223522  7Mp15′08  9⊀46  3♀0 12♀32 25©26 22♂54  9Mp16  4©17 13♀33 16Q50 17°R26 18Ƴ38 15Ƴ9  3⊀27 W  |      |          |                    |                |               |                | -              |                |                |       |                |                |        |                |                |               | T 30 |
|   | W31  | 22 35 22 | 7 <b>m</b> ) 15'08 | 9 <b>才</b> 46  | 3 <b>₾</b> 0  | 12 <b>≏</b> 32 | 25926          | 22 <b>궁</b> 54 | 9 <b>m</b> p16 | 49917 | 13 <b>₾</b> 33 | 16 <b>Ω</b> 50 | 17°R26 | 18 <b>Y</b> 38 | 15 <b>Y</b> 9  | 3 <b>₹</b> 27 | W31  |

Delta T = 28.78 sec

SEPTEMBER 1949 00:00 UT

| Day  | Sid.t    | 0                | D              | ğ              | φ              | ♂             | 4              | ħ              | )Å(   | <del>\f</del>  | В              | ß              | v              | Ç              | ç             | Day  |
|------|----------|------------------|----------------|----------------|----------------|---------------|----------------|----------------|-------|----------------|----------------|----------------|----------------|----------------|---------------|------|
| T 1  | 22 39 18 | 8 mg 13'12       | 23 <b>~</b> 18 | 4 <b>₽</b> 14  | 13 <b>≏</b> 43 | 269 4         | 22°R51         | 9 <b>m</b> 24  | 49519 | 13 <b>≏</b> 35 | 16 <b>Ω</b> 52 | 17°R25         | 18 <b>Y</b> 34 | 15 <b>Υ</b> 16 | 3 <b>₹</b> 29 | T 1  |
| F 2  | 22 43 15 | 9°11'16          | 6 <b>궁</b> 33  | 5°26           | 14°55          | 26°42         | 22 <b>궁</b> 47 | 9°31           | 4°21  | 13°37          | 16°54          | 17 <b>Y</b> 22 | 18°31          | 15°23          | 3°32          | F 2  |
| S 3  | 22 47 11 | 10° 9'22         | 19°33          | 6°36           | 16° 6          | 27°21         | 22°44          | 9°39           | 4°23  | 13°39          | 16°56          | 17°18          | 18°28          | 15°29          | 3°35          | S 3  |
| S 4  | 22 51 8  | 11° 7'29         | 2≈19           | 7°44           | 17°18          | 27°59         | 22°41          | 9°46           | 4°25  | 13°41          | 16°57          | 17°12          | 18°25          | 15°36          | 3°38          | S 4  |
| M 5  | 22 55 4  | 12° 5'38         | 14°52          | 8°49           | 18°29          | 28°37         | 22°39          | 9°54           | 4°27  | 13°43          | 16°59          | 17° 6          | 18°22          | 15°42          | 3°41          | M 5  |
| T 6  | 22 59 1  | 13° 3'48         | 27°14          | 9°53           | 19°41          | 29°14         | 22°36          | 10° 1          | 4°29  | 13°45          | 17° 1          | 17° 0          | 18°18          | 15°49          | 3°44          | T 6  |
| W 7  | 23 2 57  | 14° 2'00         | 9 <b>)</b> 25  | 10°54          | 20°52          | 29°52         | 22°34          | 10° 9          | 4°31  | 13°47          | 17° 2          | 16°55          | 18°15          | 15°56          | 3°47          | W 7  |
| T 8  | 23 6 54  | 15° 0'14         | 21°27          | 11°53          | 22° 3          | 0 <b>Ω</b> 30 | 22°31          | 10°17          | 4°32  | 13°49          | 17° 4          | 16°51          | 18°12          | 16° 2          | 3°50          | T 8  |
| F 9  | 23 10 51 | 15°58'30         | 3 <b>Υ</b> 21  | 12°49          | 23°14          | 1° 8          | 22°29          | 10°24          | 4°34  | 13°51          | 17° 6          | 16°49          | 18° 9          | 16° 9          | 3°54          | F 9  |
| S 10 | 23 14 47 | 16°56'47         | 15°11          | 13°42          | 24°25          | 1°46          | 22°28          | 10°32          | 4°36  | 13°53          | 17° 7          | 16°D48         | 18° 6          | 16°16          | 3°57          | S 10 |
| S 11 | 23 18 44 | 17°55'06         | 26°57          | 14°32          | 25°36          | 2°23          | 22°26          | 10°39          | 4°37  | 13°55          | 17° 9          | 16°48          | 18° 3          | 16°22          | 4° 1          | S 11 |
| M12  | 23 22 40 | 18°53'28         | 8 <b>8</b> 45  | 15°19          | 26°47          | 3° 1          | 22°25          | 10°47          | 4°39  | 13°57          | 17°11          | 16°49          | 17°59          | 16°29          | 4° 4          | M12  |
| T 13 | 23 26 37 | 19°51'51         | 20°37          | 16° 2          | 27°58          | 3°38          | 22°23          | 10°54          | 4°40  | 13°59          | 17°12          | 16°51          | 17°56          | 16°36          | 4° 8          | T 13 |
| W14  | 23 30 33 | 20°50'17         | 2Ⅲ38           | 16°42          | 29° 9          | 4°16          | 22°22          | 11° 2          | 4°42  | 14° 1          | 17°14          | 16°53          | 17°53          | 16°42          | 4°12          | W14  |
| T 15 | 23 34 30 | 21°48'44         | 14°52          | 17°17          | 0 <b>M</b> 20  | 4°53          | 22°22          | 11° 9          | 4°43  | 14° 3          | 17°15          | 16°54          | 17°50          | 16°49          | 4°16          | T 15 |
| F 16 | 23 38 26 | 22°47'14         | 27°25          | 17°49          | 1°31           | 5°30          | 22°21          | 11°17          | 4°44  | 14° 5          | 17°17          | 16°R54         | 17°47          | 16°56          | 4°20          | F 16 |
| S 17 | 23 42 23 | 23°45'46         | 109520         | 18°15          | 2°42           | 6° 8          | 22°21          | 11°24          | 4°46  | 14° 8          | 17°18          | 16°53          | 17°43          | 17° 2          | 4°24          | S 17 |
| S 18 | 23 46 20 | 24°44'21         | 23°41          | 18°37          | 3°52           | 6°45          | 22°20          | 11°32          | 4°47  | 14°10          | 17°20          | 16°51          | 17°40          | 17° 9          | 4°28          | S 18 |
| M19  | 23 50 16 | 25°42'57         | $7\Omega_{30}$ | 18°53          | 5° 3           | 7°22          | 22°D20         | 11°39          | 4°48  | 14°12          | 17°21          | 16°49          | 17°37          | 17°15          | 4°32          | M19  |
| T 20 | 23 54 13 | 26°41'36         | 21°45          | 19° 3          | 6°14           | 7°59          | 22°20          | 11°47          | 4°49  | 14°14          | 17°23          | 16°46          | 17°34          | 17°22          | 4°36          | T 20 |
| W21  | 23 58 9  | 27°40'16         | 6 <b>m</b> 25  | 19°R 7         | 7°24           | 8°36          | 22°21          | 11°54          | 4°50  | 14°16          | 17°24          | 16°43          | 17°31          | 17°29          | 4°40          | W21  |
| T 22 | 0 2 6    | 28°38'59         | 21°23          | 19° 5          | 8°35           | 9°13          | 22°21          | 12° 1          | 4°51  | 14°18          | 17°26          | 16°41          | 17°28          | 17°35          | 4°45          | T 22 |
| F 23 | 0 6 2    | 29°37'44         | 6 <b>₾</b> 30  | 18°56          | 9°45           | 9°50          | 22°22          | 12° 9          | 4°52  | 14°20          | 17°27          | 16°40          | 17°24          | 17°42          | 4°49          | F 23 |
| S 24 | 0 9 59   | 0 <b>ჲ</b> 36'30 | 21°38          | 18°40          | 10°55          | 10°27         | 22°23          | 12°16          | 4°53  | 14°23          | 17°29          | 16°D40         | 17°21          | 17°49          | 4°54          | S 24 |
| S 25 | 0 13 55  | 1°35'19          | 6 <b>M</b> .38 | 18°16          | 12° 6          | 11° 3         | 22°24          | 12°23          | 4°54  | 14°25          | 17°30          | 16°41          | 17°18          | 17°55          | 4°58          | S 25 |
| M26  | 0 17 52  | 2°34'09          | 21°22          | 17°45          | 13°16          | 11°40         | 22°25          | 12°31          | 4°55  | 14°27          | 17°32          | 16°42          | 17°15          | 18° 2          | 5° 3          | M26  |
| T 27 | 0 21 49  | 3°33'01          | 5 <b>,</b> 744 | 17° 7          | 14°26          | 12°17         | 22°27          | 12°38          | 4°56  | 14°29          | 17°33          | 16°43          | 17°12          | 18° 9          | 5° 8          | T 27 |
| W28  | 0 25 45  | 4°31'55          | 19°43          | 16°22          | 15°36          | 12°53         | 22°28          | 12°45          | 4°56  | 14°31          | 17°34          | 16°44          | 17° 9          | 18°15          | 5°13          | W28  |
| T 29 | 0 29 42  | 5°30'51          | 3 <b>조</b> 18  | 15°30          | 16°46          | 13°30         | 2 <u>2</u> °30 | 12°52          | 4°57  | 14°34          | 17°36          | 16°R44         | 17° 5          | 18°22          | 5°18          | T 29 |
| F 30 | 0 33 38  | 6 <b>≏</b> 29'48 | 16 <b>ろ</b> 30 | 14 <b>₾</b> 33 | 17 <b>M</b> 56 | 14 <b>0</b> 6 | 22 <b>る</b> 32 | 12 <b>m</b> 59 | 4958  | 14 <b>₾</b> 36 | 17 <b>Ω</b> 37 | 16 <b>Y</b> 44 | 17 <b>Y</b> 2  | 18 <b>Υ</b> 29 | 5 <b>₹</b> 23 | F 30 |

Delta T = 28.81 sec

OCTOBER 1949 00:00 UT

| Day  | Sid.t   | $\odot$           | <b>)</b>       | φ              | φ              | o <sup>7</sup> | 4              | ħ                          | )Å(   | ¥              | P 2            | ß              | Ω              | ţ              | Š             | Day  |
|------|---------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------------------|-------|----------------|----------------|----------------|----------------|----------------|---------------|------|
| S 1  | 0 37 35 | 7 <b>≏</b> 28'47  | 29 <b>궁</b> 21 | 13°R30         | 19 <b>M</b> 6  | 14 <b>Ω</b> 42 | 22 <b>る</b> 35 | 13 <b>M</b> 7              | 4958  | 14 <b>≏</b> 38 | 17 <b>Ω</b> 38 | 16°R43         | 16 <b>Y</b> 59 | 18 <b>Y</b> 35 | 5 <b>₹</b> 28 | S 1  |
| S 2  | 0 41 31 | 8°27'48           | 11≈55          | 12 <b>≏</b> 23 | 20°16          | 15°19          | 22°37          | 13°14                      | 4°59  | 14°40          | 17°39          | 16 <b>Y</b> 42 | 16°56          | 18°42          | 5°33          | S 2  |
| M 3  | 0 45 28 | 9°26'51           | 24°15          | 11°15          | 21°25          | 15°55          | 22°40          | 13°21                      | 4°59  | 14°42          | 17°41          | 16°41          | 16°53          | 18°49          | 5°38          | M 3  |
| T 4  | 0 49 24 | 10°25'55          | 6 <b>∺</b> 23  | 10° 6          | 22°35          | 16°31          | 22°43          | 13°28                      | 5° 0  | 14°45          | 17°42          | 16°40          | 16°49          | 18°55          | 5°43          | T 4  |
| W 5  | 0 53 21 | 11°25'01          | 18°23          | 8°58           | 23°44          | 17° 7          | 22°46          | 13°35                      | 5° 0  | 14°47          | 17°43          | 16°40          | 16°46          | 19° 2          | 5°49          | W 5  |
| T 6  | 0 57 18 | 12°24'09          | 0 <b>Υ</b> 16  | 7°53           | 24°54          | 17°43          | 22°49          | 13°42                      | 5° 0  | 14°49          | 17°44          | 16°39          | 16°43          | 19°8           | 5°54          | T 6  |
| F 7  | 1 1 14  | 13°23'19          | 12° 6          | 6°53           | 26° 3          | 18°19          | 22°52          | 13°49                      | 5° 1  | 14°51          | 17°46          | 16°D39         | 16°40          | 19°15          | 5°59          | F 7  |
| S 8  | 1 5 11  | 14°22'32          | 23°53          | 6° 0           | 27°12          | 18°54          | 22°56          | 13°56                      | 5° 1  | 14°54          | 17°47          | 16°39          | 16°37          | 19°22          | 6° 5          | S 8  |
| S 9  | 1 9 7   | 15°21'46          | 5 <b>8</b> 41  | 5°15           | 28°21          | 19°30          | 23° 0          | 14° 3                      | 5° 1  | 14°56          | 17°48          | 16°39          | 16°34          | 19°28          | 6°10          | S 9  |
| M10  | 1 13 4  | 16°21'02          | 17°32          | 4°40           | 29°30          | 20° 6          | 23° 4          | 14° 9                      | 5° 1  | 14°58          | 17°49          | 16°R39         | 16°30          | 19°35          | 6°16          | M10  |
| T 11 | 1 17 0  | 17°20'21          | 29°29          | 4°15           | 0 <b>∡</b> 39  | 20°41          | 23° 8          | 14°16                      | 5°R 1 | 15° 0          | 17°50          | 16°39          | 16°27          | 19°42          | 6°22          | T 11 |
| W12  | 1 20 57 | 18°19'42          | 11 <b>Ⅱ</b> 34 | 4° 0           | 1°48           | 21°17          | 23°12          | 14°23                      | 5° 1  | 15° 3          | 17°51          | 16°39          | 16°24          | 19°48          | 6°27          | W12  |
| T 13 | 1 24 53 | 19°19'05          | 23°51          | 3°D57          | 2°57           | 21°52          | 23°17          | 14°30                      | 5° 1  | 15° 5          | 17°52          | 16°39          | 16°21          | 19°55          | 6°33          | T 13 |
| F 14 | 1 28 50 | 20°18'31          | 6923           | 4° 4           | 4° 6           | 22°27          | 23°21          | 14°36                      | 5° 1  | 15° 7          | 17°53          | 16°38          | 16°18          | 20° 2          | 6°39          | F 14 |
| S 15 | 1 32 47 | 21°17'59          | 19°14          | 4°22           | 5°14           | 23° 3          | 23°26          | 14°43                      | 5° 1  | 15° 9          | 17°54          | 16°D38         | 16°15          | 20° 8          | 6°45          | S 15 |
| S 16 | 1 36 43 | 22°17'29          | $2\Omega$ 28   | 4°50           | 6°22           | 23°38          | 23°31          | 14°49                      | 5° 0  | 15°11          | 17°55          | 16°38          | 16°11          | 20°15          | 6°51          | S 16 |
| M17  | 1 40 40 | 23°17'01          | 16° 6          | 5°28           | 7°31           | 24°13          | 23°36          | 14°56                      | 5° 0  | 15°14          | 17°56          | 16°39          | 16° 8          | 20°22          | 6°57          | M17  |
| T 18 | 1 44 36 | 24°16'36          | 0 Mp 10        | 6°14           | 8°39           | 24°48          | 23°42          | 15° 2                      | 5° 0  | 15°16          | 17°57          | 16°39          | 16° 5          | 20°28          | 7° 3          | T 18 |
| W19  | 1 48 33 | 25°16'13          | 14°40          | 7° 8           | 9°47           | 25°23          | 23°47          | 15° 9                      | 4°59  | 15°18          | 17°58          | 16°40          | 16° 2          | 20°35          | 7° 9          | W19  |
| T 20 | 1 52 29 | 26°15'52          | 29°30          | 8° 9           | 10°55          | 25°58          | 23°53          | 15°15                      | 4°59  | 15°20          | 17°59          | 16°41          | 15°59          | 20°41          | 7°15          | T 20 |
| F 21 | 1 56 26 | 27°15'33          | 14 <b>Ω</b> 36 | 9°16           | 12° 3          | 26°32<br>27° 7 | 23°59<br>24° 5 | 15°21                      | 4°59  | 15°23<br>15°25 | 17°59<br>18° 0 | 16°R41         | 15°55          | 20°48          | 7°22<br>7°28  | F 21 |
| S 22 | 2 0 22  | 28°15'17          | 29°48          | 10°29          | 13°11          |                | _              | 15°28                      | 4°58  |                |                | 16°41          | 15°52          | 20°55          |               | S 22 |
| S 23 | 2 4 19  | 29°15'02          | 14 <b>M</b> 58 | 11°47          | 14°18          | 27°41          | 24°11          | 15°34                      | 4°57  | 15°27          | 18° 1          | 16°40          | 15°49          | 21° 1          | 7°34          | S 23 |
| M24  | 2 8 15  | 0ML14'50          | 29°55          | 13° 9          | 15°26          | 28°16          | 24°17          | 15°40                      | 4°57  | 15°29          | 18° 2          | 16°39          | 15°46          | 21° 8          | 7°40          | M24  |
| T 25 | 2 12 12 | 1°14'39           | 14 <b>×</b> 32 | 14°34          | 16°33          | 28°50          | 24°24          | 15°46                      | 4°56  | 15°31          | 18° 3          | 16°37          | 15°43          | 21°15          | 7°47          | T 25 |
| W26  | 2 16 9  | 2°14'30           | 28°44          | 16° 2          | 17°40          | 29°24          | 24°30          | 15°52                      | 4°55  | 15°33          | 18° 3          | 16°35          | 15°40          | 21°21          | 7°53          | W26  |
| T 27 | 2 20 5  | 3°14'23           | 12 <b>3</b> 29 | 17°32          | 18°47          | 29°59          | 24°37          | 15°58                      | 4°55  | 15°36          | 18° 4          | 16°33          | 15°36          | 21°28          | 8° 0          | T 27 |
| F 28 | 2 24 2  | 4°14'17           | 25°45          | 19° 5          | 19°54          | 0 <b>m</b> 33  | 24°44          | 16° 4                      | 4°54  | 15°38          | 18° 5          | 16°32          | 15°33          | 21°35          | 8° 6          | F 28 |
| S 29 | 2 27 58 | 5°14'13           | 8 <b>≈</b> 37  | 20°39          | 21° 0          | 1° 7           | 24°51          | 16°10                      | 4°53  | 15°40          | 18° 5          | 16°D32         | 15°30          | 21°41          | 8°13          | S 29 |
| S 30 | 2 31 55 | 6°14'11           | 21° 8          | 22°14          | 22° 7          | 1°40           | 24°59          | 16°16                      | 4°52  | 15°42          | 18° 6          | 16°33          | 15°27          | 21°48          | 8°20          | S 30 |
| M31  | 2 35 51 | 7 <b>M</b> .14'10 | 3 <b>∺</b> 22  | 23 <b>≙</b> 50 | 23 <b>×</b> 13 | 2 Mp 14        | 25 <b>궁</b> 6  | 16 <b>M</b> <sub>2</sub> 1 | 4951  | 15 <b>≏</b> 44 | 18 <b>Ω</b> 6  | 16 <b>Y</b> 34 | 15 <b>Υ</b> 24 | 21 <b>Y</b> 55 | 8 <b>₮</b> 26 | M31  |

Delta T = 28.84 sec

NOVEMBER 1949 00:00 UT

| Day  | Sid.t   | 0                 | D              | Ϋ́             | φ              | ♂               | 4              | ħ              | )/(   | ¥              | В              | n              | v              | Ç              | Q<br>K         | Day  |
|------|---------|-------------------|----------------|----------------|----------------|-----------------|----------------|----------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|------|
| T 1  | 2 39 48 | 8 <b>M</b> .14'11 | 15 <b>)</b> 23 | 25 <b>≙</b> 27 | 24 <b>~</b> 19 | 2 Mp 48         | 25 <b>궁</b> 14 | 16 <b>m</b> 27 | 4°R50 | 15 <b>≏</b> 46 | 18 <b>Ω</b> 7  | 16 <b>Y</b> 36 | 15 <b>Y</b> 21 | 22 <b>°</b> 1  | 8 <b>₹</b> 33  | T 1  |
| W 2  | 2 43 45 | 9°14'13           | 27°15          | 27° 5          | 25°25          | 3°21            | 25°21          | 16°32          | 49549 | 15°48          | 18° 7          | 16°37          | 15°17          | 22° 8          | 8°40           | W 2  |
| T 3  | 2 47 41 | 10°14'17          | 9 <b>Υ</b> 3   | 28°42          | 26°31          | 3°55            | 25°29          | 16°38          | 4°48  | 15°50          | 18° 8          | 16°38          | 15°14          | 22°14          | 8°46           | T 3  |
| F 4  | 2 51 38 | 11°14'23          | 20°51          | 0 <b>M</b> 21  | 27°36          | 4°28            | 25°37          | 16°43          | 4°46  | 15°53          | 18° 8          | 16°R39         | 15°11          | 22°21          | 8°53           | F 4  |
| S 5  | 2 55 34 | 12°14'30          | 2 <b>8</b> 39  | 1°59           | 28°42          | 5° 1            | 25°45          | 16°49          | 4°45  | 15°55          | 18° 9          | 16°37          | 15° 8          | 22°28          | 9° 0           | S 5  |
| S 6  | 2 59 31 | 13°14'40          | 14°32          | 3°37           | 29°47          | 5°34            | 25°54          | 16°54          | 4°44  | 15°57          | 18° 9          | 16°35          | 15° 5          | 22°34          | 9° 7           | S 6  |
| M 7  | 3 3 27  | 14°14'51          | 26°31          | 5°15           | 0 <b>궁</b> 52  | 6° 7            | 26° 2          | 16°59          | 4°42  | 15°59          | 18°10          | 16°31          | 15° 1          | 22°41          | 9°14           | M 7  |
| T 8  | 3 7 24  | 15°15'04          | 8 <b>Ⅱ</b> 38  | 6°54           | 1°56           | 6°40            | 26°11          | 17° 4          | 4°41  | 16° 1          | 18°10          | 16°26          | 14°58          | 22°48          | 9°21           | T 8  |
| W 9  | 3 11 20 | 16°15'19          | 20°54          | 8°32           | 3° 1           | 7°13            | 26°19          | 17°10          | 4°40  | 16° 3          | 18°10          | 16°21          | 14°55          | 22°54          | 9°28           | W 9  |
| T 10 | 3 15 17 | 17°15'36          | 39521          | 10° 9          | 4° 5           | 7°46            | 26°28          | 17°15          | 4°38  | 16° 5          | 18°11          | 16°16          | 14°52          | 23° 1          | 9°34           | T 10 |
| F 11 | 3 19 14 | 18°15'55          | 16° 0          | 11°47          | 5° 9           | 8°18            | 26°37          | 17°19          | 4°37  | 16° 7          | 18°11          | 16°11          | 14°49          | 23° 8          | 9°41           | F 11 |
| S 12 | 3 23 10 | 19°16'16          | 28°55          | 13°24          | 6°12           | 8°51            | 26°46          | 17°24          | 4°35  | 16° 9          | 18°11          | 16° 8          | 14°46          | 23°14          | 9°48           | S 12 |
| S 13 | 3 27 7  | 20°16'38          | 12 <b>N</b> 6  | 15° 1          | 7°15           | 9°23            | 26°56          | 17°29          | 4°34  | 16°10          | 18°11          | 16° 6          | 14°42          | 23°21          | 9°56           | S 13 |
| M14  | 3 31 3  | 21°17'03          | 25°36          | 16°38          | 8°19           | 9°55            | 27° 5          | 17°34          | 4°32  | 16°12          | 18°12          | 16°D 6         | 14°39          | 23°28          | 10° 3          | M14  |
| T 15 | 3 35 0  | 22°17'29          | 9 <b>™</b> 26  | 18°15          | 9°21           | 10°27           | 27°14          | 17°38          | 4°30  | 16°14          | 18°12          | 16° 7          | 14°36          | 23°34          | 10°10          | T 15 |
| W16  | 3 38 56 | 23°17'58          | 23°38          | 19°51          | 10°24          | 10°59           | 27°24          | 17°43          | 4°28  | 16°16          | 18°12          | 16° 8          | 14°33          | 23°41          | 10°17          | W16  |
| T 17 | 3 42 53 | 24°18'28          | 8 <b>℃</b> 9   | 21°27          | 11°26          | 11°31           | 27°34          | 17°47          | 4°27  | 16°18          | 18°12          | 16°10          | 14°30          | 23°48          | 10°24          | T 17 |
| F 18 | 3 46 49 | 25°19'00          | 22°57          | 23° 3          | 12°28          | 12° 3           | 27°44          | 17°52          | 4°25  | 16°20          | 18°12          | 16°R10         | 14°26          | 23°54          | 10°31          | F 18 |
| S 19 | 3 50 46 | 26°19'34          | 7 <b>M</b> .56 | 24°39          | 13°29          | 12°34           | 27°54          | 17°56          | 4°23  | 16°22          | 18°12          | 16° 8          | 14°23          | 24° 1          | 10°38          | S 19 |
| S 20 | 3 54 43 | 27°20'09          | 22°59          | 26°14          | 14°30          | 13° 5           | 28° 4          | 18° 0          | 4°21  | 16°24          | 18°R12         | 16° 4          | 14°20          | 24° 7          | 10°45          | S 20 |
| M21  | 3 58 39 | 28°20'46          | 7 <b>.₹</b> 55 | 27°49          | 15°31          | 13°37           | 28°14          | 18° 4          | 4°19  | 16°25          | 18°12          | 15°58          | 14°17          | 24°14          | 10°53          | M21  |
| T 22 | 4 2 36  | 29°21'25          | 2 <u>2</u> °36 | 29°24          | 16°31          | 14° 8           | 28°24          | 18° 8          | 4°17  | 16°27          | 18°12          | 15°52          | 14°14          | 24°21          | 11° 0          | T 22 |
| W23  | 4 6 32  | 0 <b>∡</b> 122'05 | 6 <b>ප</b> 55  | 0 <b>才</b> 59  | 17°31          | 14°39           | 28°35          | 18°12          | 4°15  | 16°29          | 18°12          | 15°44          | 14°11          | 24°27          | 11° 7          | W23  |
| T 24 | 4 10 29 | 1°22'46           | 20°47          | 2°33           | 18°31          | 15° 9           | 28°45          | 18°16          | 4°13  | 16°31          | 18°12          | 15°37          | 14° 7          | 24°34          | 11°14          | T 24 |
| F 25 | 4 14 25 | 2°23'28           | 4≈12           | 4° 8           | 19°30          | 15°40           | 28°56          | 18°20          | 4°11  | 16°32          | 18°12          | 15°32          | 14° 4          | 24°41          | 11°22          | F 25 |
| S 26 | 4 18 22 | 3°24'11           | 17° 9          | 5°42           | 20°29          | 16°10           | 29° 7          | 18°23          | 4° 9  | 16°34          | 18°11          | 15°29          | 14° 1          | 24°47          | 11°29          | S 26 |
| S 27 | 4 22 18 | 4°24'55           | 29°42          | 7°16           | 21°27          | 16°41           | 29°17          | 18°27          | 4° 7  | 16°36          | 18°11          | 15°D27         | 13°58          | 24°54          | 11°36          | S 27 |
| M28  | 4 26 15 | 5°25'40           | 11 <b>米</b> 56 | 8°50           | 22°25          | 17°11           | 29°28          | 18°30          | 4° 5  | 16°37          | 18°11          | 15°27          | 13°55          | 25° 1          | 11°43          | M28  |
| T 29 | 4 30 12 | 6°26'27           | 23°55          | 10°24          | 2 <u>3</u> °22 | 17°41           | 29°39          | 18°34          | 4° 3  | 16°39          | 18°11          | 15°28          | 13°52          | 25° 7          | 11°51          | T 29 |
| W30  | 4 34 8  | 7 <b>.7</b> 27'14 | 5 <b>Υ</b> 46  | 11 <b>才</b> 58 | 24 <b>궁</b> 19 | 18 <b>M</b> p11 | 29 <b>궁</b> 51 | 18 <b>M</b> 37 | 499 1 | 16 <b>≏</b> 40 | 18 <b>Ω</b> 10 | 15 <b>Ƴ</b> 29 | 13 <b>Ƴ</b> 48 | 25 <b>Y</b> 14 | 11 <b>才</b> 58 | W30  |

Delta T = 28.87 sec

DECEMBER 1949 00:00 UT

| Day  | Sid.t   | $\odot$           | ))             | φ              | φ              | ď              | 24   | ħ               | )∤(           | ¥              | 5              | ß              | Ω              | ţ              | Š              | Day  |
|------|---------|-------------------|----------------|----------------|----------------|----------------|------|-----------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|------|
| T 1  | 4 38 5  | 8 <b>×</b> 128'02 | 17 <b>Y</b> 32 | 13 <b>×</b> 32 | 25 <b>る</b> 15 | 18 <b>m</b> 40 | 0≈ 2 | 18 <b>M</b> )40 | 3°R58         | 16 <b>₽</b> 42 | 18°R10         | 15°R30         | 13 <b>Y</b> 45 | 25 <b>Y</b> 21 | 12 <b>√</b> 5  | T 1  |
| F 2  | 4 42 1  | 9°28'51           | 29°20          | 15° 5          | 26°10          | 19°10          | 0°13 | 18°43           | 3 <b>9</b> 56 | 16°43          | 18 <b>Ω</b> 10 | 15 <b>Y</b> 29 | 13°42          | 25°27          | 12°12          | F 2  |
| S 3  | 4 45 58 | 10°29'41          | 11812          | 16°39          | 27° 5          | 19°39          | 0°25 | 18°46           | 3°54          | 16°45          | 18° 9          | 15°25          | 13°39          | 25°34          | 12°20          | S 3  |
| S 4  | 4 49 54 | 11°30'32          | 23°12          | 18°12          | 28° 0          | 20° 8          | 0°36 | 18°49           | 3°51          | 16°46          | 18° 9          | 15°19          | 13°36          | 25°41          | 12°27          | S 4  |
| M 5  | 4 53 51 | 12°31'25          | 5 <b>Ⅱ</b> 21  | 19°46          | 28°54          | 20°37          | 0°48 | 18°52           | 3°49          | 16°48          | 18° 9          | 15°11          | 13°32          | 25°47          | 12°34          | M 5  |
| T 6  | 4 57 47 | 13°32'18          | 17°42          | 21°20          | 29°47          | 21° 6          | 0°59 | 18°54           | 3°47          | 16°49          | 18° 8          | 15° 0          | 13°29          | 25°54          | 12°42          | T 6  |
| W 7  | 5 1 44  | 14°33'12          | 09୍ତ15         | 22°53          | 0≈39           | 21°34          | 1°11 | 18°57           | 3°44          | 16°51          | 18° 8          | 14°49          | 13°26          | 26° 0          | 12°49          | W 7  |
| T 8  | 5 5 41  | 15°34'08          | 13° 0          | 24°27          | 1°31           | 22° 3          | 1°23 | 18°59           | 3°42          | 16°52          | 18° 7          | 14°37          | 13°23          | 26° 7          | 12°56          | T 8  |
| F 9  | 5 9 37  | 16°35'04          | 25°56          | 26° 0          | 2°22           | 22°31          | 1°35 | 19° 2           | 3°40          | 16°53          | 18° 7          | 14°27          | 13°20          | 26°14          | 13° 3          | F 9  |
| S 10 | 5 13 34 | 17°36'02          | 9Ω 4           | 27°34          | 3°12           | 22°59          | 1°47 | 19° 4           | 3°37          | 16°55          | 18° 6          | 14°19          | 13°17          | 26°20          | 13°11          | S 10 |
| S 11 | 5 17 30 | 18°37'00          | 22°24          | 29° 7          | 4° 1           | 23°26          | 1°59 | 19° 6           | 3°35          | 16°56          | 18° 6          | 14°13          | 13°13          | 26°27          | 13°18          | S 11 |
| M12  | 5 21 27 | 19°38'00          | 5 <b>M</b> 56  | 0 <b>궁</b> 40  | 4°50           | 23°54          | 2°12 | 19° 8           | 3°32          | 16°57          | 18° 5          | 14°10          | 13°10          | 26°34          | 13°25          | M12  |
| T 13 | 5 25 23 | 20°39'01          | 19°41          | 2°14           | 5°37           | 24°21          | 2°24 | 19°10           | 3°30          | 16°59          | 18° 4          | 14°D10         | 13° 7          | 26°40          | 13°32          | T 13 |
| W14  | 5 29 20 | 21°40'03          | 3 <b>≏</b> 40  | 3°47           | 6°24           | 24°48          | 2°36 | 19°12           | 3°27          | 17° 0          | 18° 4          | 14°10          | 13° 4          | 26°47          | 13°40          | W14  |
| T 15 | 5 33 16 | 22°41'06          | 17°52          | 5°20           | 7°10           | 25°15          | 2°49 | 19°14           | 3°25          | 17° 1          | 18° 3          | 14°R10         | 13° 1          | 26°54          | 13°47          | T 15 |
| F 16 | 5 37 13 | 23°42'10          | 2 <b>M</b> 17  | 6°53           | 7°55           | 25°42          | 3° 1 | 19°15           | 3°22          | 17° 2          | 18° 2          | 14° 9          | 12°58          | 27° 0          | 13°54          | F 16 |
| S 17 | 5 41 10 | 24°43'14          | 16°51          | 8°26           | 8°38           | 26° 8          | 3°14 | 19°17           | 3°20          | 17° 3          | 18° 2          | 14° 5          | 12°54          | 27° 7          | 14° 1          | S 17 |
| S 18 | 5 45 6  | 25°44'20          | 1 <b>₹</b> 30  | 9°58           | 9°21           | 26°35          | 3°26 | 19°18           | 3°17          | 17° 4          | 18° 1          | 13°59          | 12°51          | 27°14          | 14° 8          | S 18 |
| M19  | 5 49 3  | 26°45'27          | 16° 8          | 11°30          | 10° 3          | 27° 1          | 3°39 | 19°20           | 3°14          | 17° 5          | 18° 0          | 13°49          | 12°48          | 27°20          | 14°16          | M19  |
| T 20 | 5 52 59 | 27°46'34          | 0 <b>궁</b> 36  | 13° 2          | 10°43          | 27°26          | 3°52 | 19°21           | 3°12          | 17° 6          | 17°59          | 13°38          | 12°45          | 27°27          | 14°23          | T 20 |
| W21  | 5 56 56 | 28°47'42          | 14°48          | 14°32          | 11°22          | 27°52          | 4° 5 | 19°22           | 3° 9          | 17° 7          | 17°58          | 13°26          | 12°42          | 27°34          | 14°30          | W21  |
| T 22 | 6 0 52  | 29°48'50          | 28°38          | 16° 3          | 12° 0          | 28°17          | 4°18 | 19°23           | 3° 7          | 17° 8          | 17°58          | 13°14          | 12°39          | 27°40          | 14°37          | T 22 |
| F 23 | 6 4 49  | 0 <b>궁</b> 49'59  | 12≈ 3          | 17°32          | 12°37          | 28°42          | 4°31 | 19°24           | 3° 4          | 17° 9          | 17°57          | 13° 4          | 12°35          | 27°47          | 14°44          | F 23 |
| S 24 | 6 8 46  | 1°51'07           | 25° 3          | 19° 0          | 13°13          | 29° 6          | 4°44 | 19°24           | 3° 2          | 17°10          | 17°56          | 12°56          | 12°32          | 27°54          | 14°51          | S 24 |
| S 25 | 6 12 42 | 2°52'16           | 7 <b>){</b> 40 | 20°27          | 13°46          | 29°31          | 4°57 | 19°25           | 2°59          | 17°11          | 17°55          | 12°51          | 12°29          | 28° 0          | 14°58          | S 25 |
| M26  | 6 16 39 | 3°53'25           | 19°56          | 21°52          | 14°19          | 29°55          | 5°10 | 19°25           | 2°56          | 17°12          | 17°54          | 12°49          | 12°26          | 28° 7          | 15° 5          | M26  |
| T 27 | 6 20 35 | 4°54'34           | 1 <b>Ƴ</b> 57  | 23°15          | 14°50          | 0 <b>ჲ</b> 18  | 5°23 | 19°26           | 2°54          | 17°13          | 17°53          | 12°D48         | 12°23          | 28°14          | 15°12          | T 27 |
| W28  | 6 24 32 | 5°55'43           | 13°48          | 24°36          | 15°19          | 0°42           | 5°37 | 19°26           | 2°51          | 17°13          | 17°52          | 12°R48         | 12°19          | 28°20          | 15°19          | W28  |
| T 29 | 6 28 28 | 6°56'51           | 25°36          | 25°54          | 15°47          | 1° 5           | 5°50 | 19°26           | 2°49          | 17°14          | 17°51          | 12°48          | 12°16          | 28°27          | 15°26          | T 29 |
| F 30 | 6 32 25 | 7°58'00           | 7824           | 27° 9          | 16°12          | 1°28           | 6° 3 | 19°R26          | 2°46          | 17°15          | 17°50          | 12°46          | 12°13          | 28°33          | 15°33          | F 30 |
| S 31 | 6 36 21 | 8 <b>궁</b> 59'09  | 19 <b>8</b> 19 | 28 <b>궁</b> 20 | 16≈37          | 1 <b>≏</b> 50  | 6≈17 | 19 <b>m</b> 26  | 29544         | 17 <b>≏</b> 15 | 17 <b>Ω</b> 49 | 12 <b>Y</b> 41 | 12 <b>Y</b> 10 | 28 <b>Υ</b> 40 | 15 <b>₹</b> 40 | S 31 |

Delta T = 28.90 sec