

SWISS EPHEMERIS for the year 1730

JANUARY 1730

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|--------|-------|-------|-------|-------|------|-------|--------|--------|-------|------|--------|-------|
| S 1 | 6 41 26 | 10°25'56 | 3II33 | 29♂4 | 16♂56 | 9♂38 | 6°R41 | 4♂54 | 29♁36 | 10°R49 | 12♂52 | 5°R50 | 7♂8 | 17II17 | 20Y36 |
| M 2 | 6 45 23 | 11°27'05 | 15°23 | 0♂37 | 18°11 | 10° 4 | 6♂35 | 4°59 | 29°39 | 10II48 | 12°52 | 5♂46 | 7° 4 | 17°24 | 20°36 |
| T 3 | 6 49 19 | 12°28'14 | 27°14 | 2° 9 | 19°26 | 10°30 | 6°28 | 5° 4 | 29°42 | 10°46 | 12°52 | 5°42 | 7° 1 | 17°30 | 20°36 |
| W 4 | 6 53 16 | 13°29'22 | 9♂8 | 3°42 | 20°41 | 10°55 | 6°21 | 5°10 | 29°45 | 10°45 | 12°53 | 5°39 | 6°58 | 17°37 | 20°36 |
| T 5 | 6 57 12 | 14°30'31 | 21° 7 | 5°16 | 21°56 | 11°20 | 6°14 | 5°15 | 29°48 | 10°44 | 12°53 | 5°37 | 6°55 | 17°44 | 20°37 |
| F 6 | 7 1 9 | 15°31'39 | 3♂12 | 6°50 | 23°11 | 11°45 | 6° 7 | 5°21 | 29°51 | 10°42 | 12°54 | 5°D36 | 6°52 | 17°50 | 20°37 |
| S 7 | 7 5 6 | 16°32'47 | 15°25 | 8°24 | 24°26 | 12°10 | 6° 0 | 5°26 | 29°53 | 10°41 | 12°54 | 5°36 | 6°48 | 17°57 | 20°37 |
| S 8 | 7 9 2 | 17°33'55 | 27°48 | 9°59 | 25°41 | 12°34 | 5°53 | 5°32 | 29°56 | 10°40 | 12°54 | 5°37 | 6°45 | 18° 4 | 20°38 |
| M 9 | 7 12 59 | 18°35'02 | 10II23 | 11°34 | 26°56 | 12°58 | 5°45 | 5°38 | 29°59 | 10°38 | 12°54 | 5°39 | 6°42 | 18°10 | 20°38 |
| T 10 | 7 16 55 | 19°36'10 | 23°14 | 13°10 | 28°11 | 13°22 | 5°38 | 5°44 | 0♂2 | 10°37 | 12°55 | 5°40 | 6°39 | 18°17 | 20°39 |
| W11 | 7 20 52 | 20°37'17 | 6♂22 | 14°46 | 29°26 | 13°45 | 5°31 | 5°49 | 0° 4 | 10°36 | 12°55 | 5°41 | 6°36 | 18°24 | 20°39 |
| T 12 | 7 24 48 | 21°38'24 | 19°49 | 16°23 | 0♂41 | 14° 9 | 5°23 | 5°55 | 0° 7 | 10°35 | 12°55 | 5°R42 | 6°33 | 18°31 | 20°40 |
| F 13 | 7 28 45 | 22°39'31 | 3II38 | 18° 0 | 1°56 | 14°31 | 5°15 | 6° 1 | 0°10 | 10°33 | 12°55 | 5°41 | 6°29 | 18°37 | 20°41 |
| S 14 | 7 32 41 | 23°40'38 | 17°48 | 19°38 | 3°11 | 14°54 | 5° 8 | 6° 7 | 0°12 | 10°32 | 12°55 | 5°41 | 6°26 | 18°44 | 20°41 |
| S 15 | 7 36 38 | 24°41'44 | 2♂18 | 21°16 | 4°26 | 15°16 | 5° 0 | 6°13 | 0°15 | 10°31 | 12°R55 | 5°39 | 6°23 | 18°51 | 20°42 |
| M16 | 7 40 35 | 25°42'50 | 17° 4 | 22°55 | 5°41 | 15°38 | 4°52 | 6°20 | 0°17 | 10°30 | 12°55 | 5°38 | 6°20 | 18°57 | 20°43 |
| T 17 | 7 44 31 | 26°43'56 | 2♂0 | 24°34 | 6°56 | 16° 0 | 4°44 | 6°26 | 0°20 | 10°29 | 12°55 | 5°37 | 6°17 | 19° 4 | 20°44 |
| W18 | 7 48 28 | 27°45'01 | 16°59 | 26°14 | 8°11 | 16°21 | 4°36 | 6°32 | 0°22 | 10°28 | 12°55 | 5°36 | 6°14 | 19°11 | 20°45 |
| T 19 | 7 52 24 | 28°46'06 | 1♂51 | 27°55 | 9°27 | 16°42 | 4°28 | 6°38 | 0°25 | 10°27 | 12°55 | 5°D36 | 6°10 | 19°17 | 20°46 |
| F 20 | 7 56 21 | 29°47'10 | 16°28 | 29°36 | 10°42 | 17° 3 | 4°20 | 6°45 | 0°27 | 10°26 | 12°55 | 5°36 | 6° 7 | 19°24 | 20°47 |
| S 21 | 8 0 17 | 0♂48'12 | 0♂46 | 1♂17 | 11°57 | 17°23 | 4°12 | 6°51 | 0°29 | 10°25 | 12°55 | 5°36 | 6° 4 | 19°31 | 20°48 |
| S 22 | 8 4 14 | 1°49'14 | 14°38 | 3° 0 | 13°12 | 17°43 | 4° 4 | 6°57 | 0°31 | 10°24 | 12°54 | 5°37 | 6° 1 | 19°37 | 20°50 |
| M23 | 8 8 10 | 2°50'15 | 28° 5 | 4°43 | 14°27 | 18° 2 | 3°56 | 7° 4 | 0°34 | 10°23 | 12°54 | 5°37 | 5°58 | 19°44 | 20°51 |
| T 24 | 8 12 7 | 3°51'14 | 11Y 7 | 6°26 | 15°42 | 18°21 | 3°48 | 7°10 | 0°36 | 10°22 | 12°54 | 5°37 | 5°54 | 19°51 | 20°52 |
| W25 | 8 16 4 | 4°52'13 | 23°46 | 8°10 | 16°57 | 18°40 | 3°40 | 7°17 | 0°38 | 10°21 | 12°53 | 5°37 | 5°51 | 19°57 | 20°54 |
| T 26 | 8 20 0 | 5°53'10 | 6♂7 | 9°55 | 18°12 | 18°58 | 3°32 | 7°24 | 0°40 | 10°21 | 12°53 | 5°37 | 5°48 | 20° 4 | 20°55 |
| F 27 | 8 23 57 | 6°54'05 | 18°12 | 11°40 | 19°27 | 19°16 | 3°24 | 7°30 | 0°42 | 10°20 | 12°53 | 5°38 | 5°45 | 20°11 | 20°57 |
| S 28 | 8 27 53 | 7°55'00 | 0II 8 | 13°26 | 20°42 | 19°34 | 3°16 | 7°37 | 0°44 | 10°19 | 12°52 | 5°38 | 5°42 | 20°18 | 20°58 |
| S 29 | 8 31 50 | 8°55'53 | 11°59 | 15°12 | 21°57 | 19°51 | 3° 8 | 7°44 | 0°46 | 10°18 | 12°52 | 5°38 | 5°39 | 20°24 | 21° 0 |
| M30 | 8 35 46 | 9°56'45 | 23°48 | 16°59 | 23°12 | 20° 7 | 3° 0 | 7°50 | 0°48 | 10°18 | 12°51 | 5°38 | 5°35 | 20°31 | 21° 2 |
| T 31 | 8 39 43 | 10°57'36 | 5♂41 | 18♂46 | 24♂27 | 20♂24 | 2♂53 | 7♂57 | 0♂50 | 10II17 | 12♂51 | 5♂39 | 5♂32 | 20II38 | 21Y 3 |

Delta T = 9.79 sec.

Greg. Calendar

FEBRUARY 1730

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|-------|--------|-------|--------|-------|-------|------|--------|--------|-------|------|--------|-------|
| W 1 | 8 43 39 | 11°58'26 | 17♂39 | 20♂33 | 25♂42 | 20♂39 | 2°R45 | 8♂4 | 0♂51 | 10°R16 | 12°R50 | 5♂40 | 5♂29 | 20II44 | 21Y 5 |
| T 2 | 8 47 36 | 12°59'14 | 29°46 | 22°20 | 26°57 | 20°55 | 2♂37 | 8°11 | 0°53 | 10II16 | 12♂50 | 5°R40 | 5°26 | 20°51 | 21° 7 |
| F 3 | 8 51 33 | 14° 0'00 | 12♂4 | 24° 7 | 28°12 | 21° 9 | 2°29 | 8°18 | 0°55 | 10°15 | 12°49 | 5°40 | 5°23 | 20°58 | 21° 9 |
| S 4 | 8 55 29 | 15° 0'46 | 24°33 | 25°54 | 29°27 | 21°24 | 2°21 | 8°25 | 0°57 | 10°15 | 12°48 | 5°39 | 5°20 | 21° 4 | 21°11 |
| S 5 | 8 59 26 | 16° 1'30 | 7II16 | 27°41 | 0♂42 | 21°38 | 2°14 | 8°32 | 0°58 | 10°14 | 12°48 | 5°38 | 5°16 | 21°11 | 21°13 |
| M 6 | 9 3 22 | 17° 2'13 | 20°11 | 29°26 | 1°57 | 21°51 | 2° 6 | 8°39 | 1° 0 | 10°14 | 12°47 | 5°37 | 5°13 | 21°18 | 21°15 |
| T 7 | 9 7 19 | 18° 2'54 | 3♂20 | 31°11 | 3°12 | 22° 4 | 1°59 | 8°46 | 1° 1 | 10°13 | 12°46 | 5°35 | 5°10 | 21°24 | 21°17 |
| W 8 | 9 11 15 | 19° 3'35 | 16°43 | 2°55 | 4°27 | 22°16 | 1°51 | 8°53 | 1° 3 | 10°13 | 12°45 | 5°34 | 5° 7 | 21°31 | 21°19 |
| T 9 | 9 15 12 | 20° 4'14 | 0II19 | 4°37 | 5°42 | 22°28 | 1°44 | 9° 0 | 1° 4 | 10°12 | 12°44 | 5°32 | 5° 4 | 21°38 | 21°21 |
| F 10 | 9 19 8 | 21° 4'53 | 14° 9 | 6°17 | 6°57 | 22°39 | 1°37 | 9° 7 | 1° 5 | 10°12 | 12°44 | 5°31 | 5° 0 | 21°44 | 21°23 |
| S 11 | 9 23 5 | 22° 5'30 | 28°10 | 7°54 | 8°12 | 22°50 | 1°30 | 9°14 | 1° 7 | 10°12 | 12°43 | 5°D31 | 4°57 | 21°51 | 21°26 |
| S 12 | 9 27 2 | 23° 6'06 | 12♂23 | 9°28 | 9°27 | 23° 0 | 1°23 | 9°21 | 1° 8 | 10°12 | 12°42 | 5°32 | 4°54 | 21°58 | 21°28 |
| M13 | 9 30 58 | 24° 6'41 | 26°46 | 10°59 | 10°42 | 23° 9 | 1°16 | 9°29 | 1° 9 | 10°11 | 12°41 | 5°33 | 4°51 | 22° 4 | 21°30 |
| T 14 | 9 34 55 | 25° 7'15 | 11♂14 | 12°25 | 11°57 | 23°18 | 1° 9 | 9°36 | 1°10 | 10°11 | 12°40 | 5°35 | 4°48 | 22°11 | 21°33 |
| W15 | 9 38 51 | 26° 7'47 | 25°45 | 13°46 | 13°12 | 23°26 | 1° 2 | 9°43 | 1°11 | 10°11 | 12°39 | 5°36 | 4°45 | 22°18 | 21°35 |
| T 16 | 9 42 48 | 27° 8'18 | 10♂13 | 15° 2 | 14°27 | 23°34 | 0°56 | 9°50 | 1°12 | 10°11 | 12°38 | 5°R36 | 4°41 | 22°25 | 21°38 |
| F 17 | 9 46 44 | 28° 8'48 | 24°32 | 16°11 | 15°42 | 23°41 | 0°49 | 9°57 | 1°13 | 10°11 | 12°37 | 5°35 | 4°38 | 22°31 | 21°40 |
| S 18 | 9 50 41 | 29° 9'15 | 8♂38 | 17°14 | 16°57 | 23°47 | 0°43 | 10° 5 | 1°14 | 10°11 | 12°36 | 5°33 | 4°35 | 22°38 | 21°43 |
| S 19 | 9 54 37 | 0♂9'41 | 22°25 | 18° 9 | 18°12 | 23°53 | 0°37 | 10°12 | 1°15 | 10°D11 | 12°35 | 5°29 | 4°32 | 22°45 | 21°45 |
| M20 | 9 58 34 | 1°10'05 | 5Y51 | 18°56 | 19°27 | 23°58 | 0°31 | 10°19 | 1°16 | 10°11 | 12°34 | 5°25 | 4°29 | 22°51 | 21°48 |
| T 21 | 10 2 31 | 2°10'28 | 18°56 | 19°34 | 20°42 | 24° 3 | 0°25 | 10°27 | 1°16 | 10°11 | 12°32 | 5°21 | 4°26 | 22°58 | 21°51 |
| W22 | 10 6 27 | 3°10'48 | 1♂39 | 20° 3 | 21°57 | 24° 6 | 0°19 | 10°34 | 1°17 | 10°11 | 12°31 | 5°17 | 4°22 | 23° 5 | 21°54 |
| T 23 | 10 10 24 | 4°11'07 | 14° 3 | 20°22 | 23°12 | 24° 9 | 0°14 | 10°41 | 1°18 | 10°11 | 12°30 | 5°14 | 4°19 | 23°11 | 21°56 |
| F 24 | 10 14 20 | 5°11'23 | 26°11 | 20°32 | 24°27 | 24°12 | 0° 8 | 10°49 | 1°18 | 10°11 | 12°29 | 5°12 | 4°16 | 23°18 | 21°59 |
| S 25 | 10 18 17 | 6°11'38 | 8II 8 | 20°R32 | 25°42 | 24°13 | 0° 3 | 10°56 | 1°19 | 10°11 | 12°28 | 5°D12 | 4°13 | 23°25 | 22° 2 |
| S 26 | 10 22 13 | 7°11'50 | 19°59 | 20°23 | 26°57 | 24°14 | 29♂58 | 11° 3 | 1°19 | 10°11 | 12°26 | 5°13 | 4°10 | 23°31 | 22° 5 |
| M27 | 10 26 10 | 8°12'00 | 1♂49 | 20° 4 | 28°11 | 24°R15 | 29°53 | 11°11 | 1°20 | 10°12 | 12°25 | 5°14 | 4° 6 | 23°38 | 22° 8 |
| T 28 | 10 30 6 | 9♂12'09 | 13♂42 | 19♂37 | 29♂26 | 24♂14 | 29♂48 | 11♂18 | 1♂20 | 10II12 | 12♂24 | 5♂16 | 4♂3 | 23II45 | 22Y11 |

Delta T = 9.79 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1730

MARCH 1730

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|-----------------------|----------------------|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|---------------------|--------------------|-------------------|-------------------|---------------------|--------|
| W 1 | 10 34 3 | 10 X 12'15 | 25 ☾ 44 | 19°R 2 | 0 X 41 | 24°R13 | 29°R43 | 11 X 25 | 1 X 21 | 10 II 12 | 12°R22 | 5 ≈ 18 | 4 ≈ 0 | 23 II 51 | 22°V14 |
| T 2 | 10 38 0 | 11°12'19 | 7 Ω 58 | 18 X 19 | 1°56 | 24 Ω 11 | 29 ☾ 39 | 11°33 | 1°21 | 10°13 | 12 Ω 21 | 5°R18 | 3°57 | 23°58 | 22°17 |
| F 3 | 10 41 56 | 12°12'21 | 20°27 | 17°31 | 3°11 | 24° 8 | 29°35 | 11°40 | 1°21 | 10°13 | 12°20 | 5°17 | 3°54 | 24° 5 | 22°20 |
| S 4 | 10 45 53 | 13°12'21 | 3 III 13 | 16°37 | 4°26 | 24° 4 | 29°30 | 11°47 | 1°21 | 10°13 | 12°18 | 5°14 | 3°51 | 24°11 | 22°23 |
| S 5 | 10 49 49 | 14°12'19 | 16°17 | 15°41 | 5°40 | 24° 0 | 29°27 | 11°55 | 1°21 | 10°14 | 12°17 | 5° 9 | 3°47 | 24°18 | 22°26 |
| M 6 | 10 53 46 | 15°12'15 | 29°37 | 14°42 | 6°55 | 23°55 | 29°23 | 12° 2 | 1°R21 | 10°14 | 12°15 | 5° 3 | 3°44 | 24°25 | 22°29 |
| T 7 | 10 57 42 | 16°12'10 | 13 Ω 13 | 13°42 | 8°10 | 23°49 | 29°19 | 12° 9 | 1°21 | 10°15 | 12°14 | 4°56 | 3°41 | 24°31 | 22°33 |
| W 8 | 11 1 39 | 17°12'02 | 27° 1 | 12°43 | 9°25 | 23°43 | 29°16 | 12°17 | 1°21 | 10°15 | 12°12 | 4°49 | 3°38 | 24°38 | 22°36 |
| T 9 | 11 5 35 | 18°11'53 | 10 III 58 | 11°46 | 10°39 | 23°35 | 29°13 | 12°24 | 1°21 | 10°16 | 12°11 | 4°43 | 3°35 | 24°45 | 22°39 |
| F 10 | 11 9 32 | 19°11'42 | 25° 1 | 10°51 | 11°54 | 23°27 | 29° 9 | 12°31 | 1°21 | 10°17 | 12° 9 | 4°39 | 3°31 | 24°51 | 22°42 |
| S 11 | 11 13 29 | 20°11'30 | 9 X 8 | 10° 1 | 13° 9 | 23°18 | 29° 7 | 12°39 | 1°21 | 10°17 | 12° 8 | 4°36 | 3°28 | 24°58 | 22°46 |
| S 12 | 11 17 25 | 21°11'15 | 23°17 | 9°15 | 14°24 | 23° 8 | 29° 4 | 12°46 | 1°21 | 10°18 | 12° 6 | 4°D36 | 3°25 | 25° 5 | 22°49 |
| M13 | 11 21 22 | 22°11'00 | 7 Ω 25 | 8°35 | 15°38 | 22°58 | 29° 1 | 12°53 | 1°20 | 10°19 | 12° 5 | 4°36 | 3°22 | 25°11 | 22°52 |
| T 14 | 11 25 18 | 23°10'42 | 21°32 | 8° 1 | 16°53 | 22°47 | 28°59 | 13° 1 | 1°20 | 10°19 | 12° 3 | 4°38 | 3°19 | 25°18 | 22°56 |
| W15 | 11 29 15 | 24°10'23 | 5 ≈ 36 | 7°32 | 18° 8 | 22°35 | 28°57 | 13° 8 | 1°19 | 10°20 | 12° 2 | 4°R38 | 3°16 | 25°25 | 22°59 |
| T 16 | 11 33 11 | 25°10'02 | 19°36 | 7°10 | 19°22 | 22°22 | 28°55 | 13°15 | 1°19 | 10°21 | 12° 0 | 4°37 | 3°12 | 25°31 | 23° 3 |
| F 17 | 11 37 8 | 26° 9'39 | 3 X 28 | 6°53 | 20°37 | 22° 8 | 28°53 | 13°23 | 1°18 | 10°22 | 11°59 | 4°34 | 3° 9 | 25°38 | 23° 6 |
| S 18 | 11 41 4 | 27° 9'13 | 17°10 | 6°44 | 21°52 | 21°54 | 28°52 | 13°30 | 1°18 | 10°23 | 11°57 | 4°28 | 3° 6 | 25°45 | 23°10 |
| S 19 | 11 45 1 | 28° 8'46 | 0 V 40 | 6°D40 | 23° 6 | 21°39 | 28°50 | 13°37 | 1°17 | 10°24 | 11°55 | 4°20 | 3° 3 | 25°51 | 23°13 |
| M20 | 11 48 58 | 29° 8'17 | 13°54 | 6°42 | 24°21 | 21°24 | 28°49 | 13°44 | 1°16 | 10°25 | 11°54 | 4°11 | 3° 0 | 25°58 | 23°17 |
| T 21 | 11 52 54 | 0 V 7'46 | 26°50 | 6°49 | 25°36 | 21° 7 | 28°48 | 13°51 | 1°16 | 10°26 | 11°52 | 4° 0 | 2°57 | 26° 5 | 23°20 |
| W22 | 11 56 51 | 1° 7'13 | 9 Ω 30 | 7° 2 | 26°50 | 20°50 | 28°48 | 13°59 | 1°15 | 10°27 | 11°50 | 3°51 | 2°53 | 26°12 | 23°24 |
| T 23 | 12 0 47 | 2° 6'37 | 21°52 | 7°21 | 28° 5 | 20°33 | 28°47 | 14° 6 | 1°14 | 10°28 | 11°49 | 3°42 | 2°50 | 26°18 | 23°28 |
| F 24 | 12 4 44 | 3° 6'00 | 4 II 0 | 7°44 | 29°19 | 20°15 | 28°47 | 14°13 | 1°13 | 10°29 | 11°47 | 3°36 | 2°47 | 26°25 | 23°31 |
| S 25 | 12 8 40 | 4° 5'20 | 15°57 | 8°12 | 0 V 34 | 19°56 | 28°D46 | 14°20 | 1°12 | 10°30 | 11°46 | 3°32 | 2°44 | 26°32 | 23°35 |
| S 26 | 12 12 37 | 5° 4'37 | 27°48 | 8°44 | 1°48 | 19°37 | 28°46 | 14°27 | 1°11 | 10°31 | 11°44 | 3°30 | 2°41 | 26°38 | 23°38 |
| M27 | 12 16 33 | 6° 3'53 | 9 Ω 38 | 9°20 | 3° 3 | 19°17 | 28°47 | 14°34 | 1°10 | 10°32 | 11°42 | 3°D29 | 2°37 | 26°45 | 23°42 |
| T 28 | 12 20 30 | 7° 3'06 | 21°31 | 10° 1 | 4°17 | 18°57 | 28°47 | 14°41 | 1° 9 | 10°33 | 11°41 | 3°30 | 2°34 | 26°52 | 23°46 |
| W29 | 12 24 27 | 8° 2'16 | 3 Ω 33 | 10°45 | 5°32 | 18°36 | 28°48 | 14°48 | 1° 8 | 10°34 | 11°39 | 3°R30 | 2°31 | 26°58 | 23°50 |
| T 30 | 12 28 23 | 9° 1'25 | 15°50 | 11°32 | 6°46 | 18°15 | 28°48 | 14°55 | 1° 7 | 10°36 | 11°37 | 3°30 | 2°28 | 27° 5 | 23°53 |
| F 31 | 12 32 20 | 10°V 0'31 | 28 Ω 26 | 12 X 23 | 8°V 1 | 17°Ω53 | 28 Ω 49 | 15 X 2 | 1 X 6 | 10 II 37 | 11 Ω 35 | 3 ≈ 27 | 2 ≈ 25 | 27 II 12 | 23°V57 |

Delta T = 9.79 sec.

Greg. Calendar

APRIL 1730

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------------------|----------------------|--------------------|-------------------|--------|--------------------|--------------------|-------------------|---------------------|--------|-------------------|-------------------|---------------------|--------|
| S 1 | 12 36 16 | 10°V59'34 | 11 III 23 | 13 X 17 | 9°V15 | 17°R32 | 28 ☾ 50 | 15 X 9 | 1°R 4 | 10 II 38 | 11°R34 | 3°R22 | 2 ≈ 22 | 27 II 18 | 24°V 1 |
| S 2 | 12 40 13 | 11°58'36 | 24°42 | 14°14 | 10°29 | 17°Ω10 | 28°52 | 15°16 | 1 X 3 | 10°40 | 11°Ω32 | 3 ≈ 14 | 2°18 | 27°25 | 24° 4 |
| M 3 | 12 44 9 | 12°57'35 | 8 Ω 25 | 15°14 | 11°44 | 16°47 | 28°53 | 15°22 | 1° 2 | 10°41 | 11°30 | 3° 4 | 2°15 | 27°32 | 24° 8 |
| T 4 | 12 48 6 | 13°56'33 | 22°26 | 16°17 | 12°58 | 16°25 | 28°55 | 15°29 | 1° 0 | 10°42 | 11°29 | 2°53 | 2°12 | 27°38 | 24°12 |
| W 5 | 12 52 2 | 14°55'28 | 6 II 42 | 17°22 | 14°13 | 16° 2 | 28°57 | 15°36 | 0°59 | 10°44 | 11°27 | 2°42 | 2° 9 | 27°45 | 24°16 |
| T 6 | 12 55 59 | 15°54'22 | 21° 6 | 18°30 | 15°27 | 15°39 | 28°59 | 15°43 | 0°57 | 10°45 | 11°25 | 2°32 | 2° 6 | 27°52 | 24°20 |
| F 7 | 12 59 55 | 16°53'13 | 5 X 33 | 19°40 | 16°41 | 15°16 | 29° 1 | 15°49 | 0°56 | 10°47 | 11°24 | 2°24 | 2° 3 | 27°58 | 24°23 |
| S 8 | 13 3 52 | 17°52'04 | 19°58 | 20°52 | 17°56 | 14°53 | 29° 4 | 15°56 | 0°54 | 10°48 | 11°22 | 2°19 | 1°59 | 28° 5 | 24°27 |
| S 9 | 13 7 49 | 18°50'52 | 4 Ω 15 | 22° 7 | 19°10 | 14°30 | 29° 6 | 16° 3 | 0°53 | 10°50 | 11°20 | 2°17 | 1°56 | 28°12 | 24°31 |
| M10 | 13 11 45 | 19°49'39 | 18°23 | 23°24 | 20°24 | 14° 7 | 29° 9 | 16° 9 | 0°51 | 10°51 | 11°19 | 2°D16 | 1°53 | 28°18 | 24°35 |
| T 11 | 13 15 42 | 20°48'23 | 2 ≈ 21 | 24°42 | 21°38 | 13°45 | 29°12 | 16°16 | 0°49 | 10°53 | 11°17 | 2°R16 | 1°50 | 28°25 | 24°39 |
| W12 | 13 19 38 | 21°47'07 | 16° 9 | 26° 3 | 22°53 | 13°22 | 29°15 | 16°22 | 0°48 | 10°54 | 11°15 | 2°16 | 1°47 | 28°32 | 24°42 |
| T 13 | 13 23 35 | 22°45'48 | 29°47 | 27°26 | 24° 7 | 12°59 | 29°18 | 16°29 | 0°46 | 10°56 | 11°14 | 2°13 | 1°43 | 28°38 | 24°46 |
| F 14 | 13 27 31 | 23°44'28 | 13 X 15 | 28°50 | 25°21 | 12°37 | 29°22 | 16°35 | 0°44 | 10°57 | 11°12 | 2° 9 | 1°40 | 28°45 | 24°50 |
| S 15 | 13 31 28 | 24°43'05 | 26°33 | 0°V17 | 26°35 | 12°15 | 29°26 | 16°41 | 0°42 | 10°59 | 11°10 | 2° 1 | 1°37 | 28°52 | 24°54 |
| S 16 | 13 35 24 | 25°41'42 | 9°V40 | 1°45 | 27°50 | 11°53 | 29°29 | 16°48 | 0°41 | 11° 1 | 11° 9 | 1°50 | 1°34 | 28°58 | 24°58 |
| M17 | 13 39 21 | 26°40'16 | 22°34 | 3°15 | 29° 4 | 11°32 | 29°33 | 16°54 | 0°39 | 11° 2 | 11° 7 | 1°37 | 1°31 | 29° 5 | 25° 1 |
| T 18 | 13 43 18 | 27°38'48 | 5 Ω 15 | 4°47 | 0 Ω 18 | 11°11 | 29°38 | 17° 0 | 0°37 | 11° 4 | 11° 6 | 1°24 | 1°28 | 29°12 | 25° 5 |
| W19 | 13 47 14 | 28°37'19 | 17°43 | 6°20 | 1°32 | 10°50 | 29°42 | 17° 6 | 0°35 | 11° 6 | 11° 4 | 1°11 | 1°24 | 29°18 | 25° 9 |
| T 20 | 13 51 11 | 29°35'47 | 29°59 | 7°56 | 2°46 | 10°30 | 29°46 | 17°12 | 0°33 | 11° 8 | 11° 2 | 0°59 | 1°21 | 29°25 | 25°13 |
| F 21 | 13 55 7 | 0 Ω 34'14 | 12 II 2 | 9°33 | 4° 0 | 10°11 | 29°51 | 17°18 | 0°31 | 11°10 | 11° 1 | 0°49 | 1°18 | 29°32 | 25°17 |
| S 22 | 13 59 4 | 1°32'38 | 23°57 | 11°12 | 5°14 | 9°52 | 29°56 | 17°24 | 0°29 | 11°11 | 10°59 | 0°43 | 1°15 | 29°38 | 25°21 |
| S 23 | 14 3 0 | 2°31'01 | 5 Ω 46 | 12°52 | 6°28 | 9°33 | 0 Ω 1 | 17°30 | 0°27 | 11°13 | 10°58 | 0°39 | 1°12 | 29°45 | 25°24 |
| M24 | 14 6 57 | 3°29'21 | 17°34 | 14°34 | 7°43 | 9°16 | 0° 6 | 17°36 | 0°24 | 11°15 | 10°56 | 0°37 | 1° 9 | 29°52 | 25°28 |
| T 25 | 14 10 53 | 4°27'39 | 29°26 | 16°19 | 8°57 | 8°58 | 0°11 | 17°42 | 0°22 | 11°17 | 10°55 | 0°37 | 1° 5 | 29°58 | 25°32 |
| W26 | 14 14 50 | 5°25'55 | 11 Ω 27 | 18° 4 | 10°11 | 8°42 | 0°17 | 17°48 | 0°20 | 11°19 | 10°53 | 0°37 | 1° 2 | 0 Ω 5 | 25°36 |
| T 27 | 14 18 47 | 6°24'10 | 23°44 | 19°52 | 11°25 | 8°26 | 0°22 | 17°54 | 0°18 | 11°21 | 10°52 | 0°36 | 0°59 | 0°12 | 25°40 |
| F 28 | 14 22 43 | 7°22'22 | 6 III 20 | 21°41 | 12°39 | 8°11 | 0°28 | 17°59 | 0°16 | 11°23 | 10°50 | 0°33 | 0°56 | 0°18 | 25°43 |
| S 29 | 14 26 40 | 8°20'32 | 19°20 | 23°33 | 13°53 | 7°57 | 0°34 | 18° 5 | 0°14 | 11°24 | 10°49 | 0°28 | 0°53 | 0°25 | 25°47 |
| S 30 | 14 30 36 | 9 Ω 18'40 | 2 Ω 47 | 25°V26 | 15 Ω 7 | 7°Ω43 | 0 Ω 40 | 18 X 10 | 0 X 11 | 11 II 26 | 10°Ω47 | 0 ≈ 21 | 0 ≈ 49 | 0 Ω 32 | 25°V51 |

Delta T = 9.79 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1730

MAY 1730

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|-------|------|-------|-------|-------|--------|--------|-------|------|-------|---|---|
| M 1 | 14 34 33 | 10♈16'46 | 16♁41 | 27♀20 | 16♁20 | 7°R30 | 0♄46 | 18♃16 | 0°R 9 | 11♂28 | 10°R46 | 0°R11 | 0♁46 | 0♃38 | 25♀55 | | |
| T 2 | 14 38 29 | 11°14'50 | 0♄59 | 29°17 | 17°34 | 7♁18 | 0°53 | 18°21 | 0♃7 | 11°30 | 10♁45 | 0♁0 | 0°43 | 0°45 | 25°58 | | |
| W 3 | 14 42 26 | 12°12'53 | 15°36 | 1♃15 | 18°48 | 7° 6 | 0°59 | 18°27 | 0° 4 | 11°32 | 10°43 | 29♃49 | 0°40 | 0°52 | 26° 2 | | |
| T 4 | 14 46 22 | 13°10'54 | 0♃25 | 3°15 | 20° 2 | 6°56 | 1° 6 | 18°32 | 0° 2 | 11°34 | 10°42 | 29°39 | 0°37 | 0°58 | 26° 6 | | |
| F 5 | 14 50 19 | 14° 8'54 | 15°17 | 5°17 | 21°16 | 6°46 | 1°13 | 18°37 | 0° 0 | 11°36 | 10°41 | 29°31 | 0°34 | 1° 5 | 26° 9 | | |
| S 6 | 14 54 16 | 15° 6'52 | 0♃ 4 | 7°20 | 22°30 | 6°37 | 1°19 | 18°42 | 29♄57 | 11°38 | 10°39 | 29°26 | 0°30 | 1°12 | 26°13 | | |
| S 7 | 14 58 12 | 16° 4'49 | 14°39 | 9°25 | 23°44 | 6°28 | 1°27 | 18°47 | 29°55 | 11°40 | 10°38 | 29°23 | 0°27 | 1°18 | 26°17 | | |
| M 8 | 15 2 9 | 17° 2'44 | 28°59 | 11°31 | 24°58 | 6°21 | 1°34 | 18°52 | 29°53 | 11°43 | 10°37 | 29°D22 | 0°24 | 1°25 | 26°20 | | |
| T 9 | 15 6 5 | 18° 0'38 | 13♁ 1 | 13°38 | 26°11 | 6°14 | 1°41 | 18°57 | 29°50 | 11°45 | 10°35 | 29°R23 | 0°21 | 1°32 | 26°24 | | |
| W10 | 15 10 2 | 18°58'31 | 26°46 | 15°47 | 27°25 | 6° 8 | 1°48 | 19° 2 | 29°48 | 11°47 | 10°34 | 29°22 | 0°18 | 1°38 | 26°28 | | |
| T 11 | 15 13 58 | 19°56'23 | 10♃14 | 17°56 | 28°39 | 6° 3 | 1°56 | 19° 7 | 29°45 | 11°49 | 10°33 | 29°21 | 0°14 | 1°45 | 26°31 | | |
| F 12 | 15 17 55 | 20°54'13 | 23°26 | 20° 7 | 29°53 | 5°59 | 2° 4 | 19°12 | 29°43 | 11°51 | 10°32 | 29°17 | 0°11 | 1°52 | 26°35 | | |
| S 13 | 15 21 51 | 21°52'03 | 6♀26 | 22°18 | 1♂ 7 | 5°55 | 2°12 | 19°16 | 29°40 | 11°53 | 10°31 | 29°10 | 0° 8 | 1°58 | 26°38 | | |
| S 14 | 15 25 48 | 22°49'51 | 19°12 | 24°29 | 2°20 | 5°53 | 2°20 | 19°21 | 29°38 | 11°55 | 10°29 | 29° 1 | 0° 5 | 2° 5 | 26°42 | | |
| M15 | 15 29 45 | 23°47'38 | 1♃48 | 26°40 | 3°34 | 5°51 | 2°28 | 19°25 | 29°35 | 11°57 | 10°28 | 28°50 | 0° 2 | 2°12 | 26°45 | | |
| T 16 | 15 33 41 | 24°45'23 | 14°12 | 28°51 | 4°48 | 5°50 | 2°36 | 19°30 | 29°33 | 11°59 | 10°27 | 28°39 | 29♃59 | 2°18 | 26°49 | | |
| W17 | 15 37 38 | 25°43'07 | 26°26 | 1♂ 2 | 6° 2 | 5°D49 | 2°44 | 19°34 | 29°30 | 12° 2 | 10°26 | 28°27 | 29°55 | 2°25 | 26°52 | | |
| T 18 | 15 41 34 | 26°40'50 | 8♂31 | 3°12 | 7°15 | 5°50 | 2°53 | 19°39 | 29°28 | 12° 4 | 10°25 | 28°17 | 29°52 | 2°32 | 26°56 | | |
| F 19 | 15 45 31 | 27°38'32 | 20°28 | 5°20 | 8°29 | 5°51 | 3° 1 | 19°43 | 29°25 | 12° 6 | 10°24 | 28° 9 | 29°49 | 2°38 | 26°59 | | |
| S 20 | 15 49 27 | 28°36'12 | 2♁19 | 7°28 | 9°43 | 5°53 | 3°10 | 19°47 | 29°23 | 12° 8 | 10°23 | 28° 3 | 29°46 | 2°45 | 27° 3 | | |
| S 21 | 15 53 24 | 29°33'51 | 14° 6 | 9°34 | 10°56 | 5°56 | 3°19 | 19°51 | 29°20 | 12°10 | 10°22 | 28° 0 | 29°43 | 2°51 | 27° 6 | | |
| M22 | 15 57 20 | 0♂31'28 | 25°53 | 11°38 | 12°10 | 5°59 | 3°27 | 19°55 | 29°18 | 12°13 | 10°21 | 27°D59 | 29°40 | 2°58 | 27° 9 | | |
| T 23 | 16 1 17 | 1°29'04 | 7♄45 | 13°40 | 13°24 | 6° 3 | 3°36 | 19°59 | 29°15 | 12°15 | 10°20 | 27°59 | 29°36 | 3° 5 | 27°13 | | |
| W24 | 16 5 14 | 2°26'39 | 19°45 | 15°40 | 14°37 | 6° 8 | 3°46 | 20° 3 | 29°13 | 12°17 | 10°19 | 28° 0 | 29°33 | 3°11 | 27°16 | | |
| T 25 | 16 9 10 | 3°24'12 | 2♄ 0 | 17°37 | 15°51 | 6°14 | 3°55 | 20° 6 | 29°11 | 12°19 | 10°19 | 28°R 1 | 29°30 | 3°18 | 27°19 | | |
| F 26 | 16 13 7 | 4°21'44 | 14°34 | 19°33 | 17° 4 | 6°20 | 4° 4 | 20°10 | 29° 8 | 12°21 | 10°18 | 28° 0 | 29°27 | 3°25 | 27°22 | | |
| S 27 | 16 17 3 | 5°19'14 | 27°32 | 21°25 | 18°18 | 6°28 | 4°13 | 20°13 | 29° 6 | 12°24 | 10°17 | 27°58 | 29°24 | 3°31 | 27°26 | | |
| S 28 | 16 21 0 | 6°16'43 | 10♁57 | 23°15 | 19°31 | 6°35 | 4°23 | 20°17 | 29° 3 | 12°26 | 10°16 | 27°54 | 29°20 | 3°38 | 27°29 | | |
| M29 | 16 24 56 | 7°14'10 | 24°52 | 25° 3 | 20°45 | 6°44 | 4°33 | 20°20 | 29° 1 | 12°28 | 10°16 | 27°48 | 29°17 | 3°45 | 27°32 | | |
| T 30 | 16 28 53 | 8°11'37 | 9♄14 | 26°48 | 21°58 | 6°53 | 4°42 | 20°24 | 28°58 | 12°30 | 10°15 | 27°41 | 29°14 | 3°51 | 27°35 | | |
| W31 | 16 32 49 | 9♂ 9'02 | 23♄59 | 28♂30 | 23♂12 | 7♁ 3 | 4♄52 | 20♃27 | 28♄56 | 12♂33 | 10♁14 | 27♃33 | 29♃11 | 3♁58 | 27♀38 | | |

Delta T = 9.79 sec.

Greg. Calendar

JUNE 1730

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|--------|-------|-------|-------|-------|--------|-------|--------|--------|-------|------|-------|---|---|
| T 1 | 16 36 46 | 10♂ 6'27 | 9♃ 1 | 0♁ 9 | 24♂25 | 7♁13 | 5♄ 2 | 20♃30 | 28°R53 | 12♂35 | 10°R14 | 27°R26 | 29♃ 8 | 4♁ 5 | 27♀41 | | |
| F 2 | 16 40 43 | 11° 3'50 | 24°10 | 1°46 | 25°39 | 7°24 | 5°12 | 20°33 | 28♄51 | 12°37 | 10♁13 | 27♃21 | 29° 5 | 4°11 | 27°44 | | |
| S 3 | 16 44 39 | 12° 1'13 | 9♃16 | 3°19 | 26°52 | 7°35 | 5°22 | 20°36 | 28°48 | 12°39 | 10°12 | 27°18 | 29° 1 | 4°18 | 27°47 | | |
| S 4 | 16 48 36 | 12°58'35 | 24°10 | 4°50 | 28° 6 | 7°48 | 5°32 | 20°39 | 28°46 | 12°42 | 10°12 | 27°D17 | 28°58 | 4°25 | 27°50 | | |
| M 5 | 16 52 32 | 13°55'56 | 8♁46 | 6°18 | 29°19 | 8° 0 | 5°42 | 20°41 | 28°44 | 12°44 | 10°11 | 27°17 | 28°55 | 4°31 | 27°53 | | |
| T 6 | 16 56 29 | 14°53'17 | 23° 0 | 7°43 | 0♁33 | 8°14 | 5°53 | 20°44 | 28°41 | 12°46 | 10°11 | 27°18 | 28°52 | 4°38 | 27°56 | | |
| W 7 | 17 0 25 | 15°50'37 | 6♃52 | 9° 5 | 1°46 | 8°28 | 6° 3 | 20°47 | 28°39 | 12°48 | 10°10 | 27°20 | 28°49 | 4°45 | 27°59 | | |
| T 8 | 17 4 22 | 16°47'57 | 20°20 | 10°25 | 2°59 | 8°42 | 6°14 | 20°49 | 28°37 | 12°51 | 10°10 | 27°R20 | 28°46 | 4°51 | 28° 2 | | |
| F 9 | 17 8 19 | 17°45'16 | 3♀28 | 11°41 | 4°13 | 8°57 | 6°24 | 20°51 | 28°34 | 12°53 | 10° 9 | 27°19 | 28°42 | 4°58 | 28° 4 | | |
| S 10 | 17 12 15 | 18°42'35 | 16°18 | 12°54 | 5°26 | 9°13 | 6°35 | 20°54 | 28°32 | 12°55 | 10° 9 | 27°16 | 28°39 | 5° 5 | 28° 7 | | |
| S 11 | 17 16 12 | 19°39'53 | 28°52 | 14° 4 | 6°40 | 9°29 | 6°46 | 20°56 | 28°30 | 12°57 | 10° 9 | 27°11 | 28°36 | 5°11 | 28°10 | | |
| M12 | 17 20 8 | 20°37'11 | 11♂14 | 15°11 | 7°53 | 9°45 | 6°57 | 20°58 | 28°27 | 12°59 | 10° 9 | 27° 6 | 28°33 | 5°18 | 28°13 | | |
| T 13 | 17 24 5 | 21°34'29 | 23°25 | 16°15 | 9° 6 | 10° 3 | 7° 8 | 21° 0 | 28°25 | 13° 2 | 10° 8 | 26°59 | 28°30 | 5°25 | 28°15 | | |
| W14 | 17 28 1 | 22°31'47 | 5♂27 | 17°15 | 10°20 | 10°20 | 7°19 | 21° 2 | 28°23 | 13° 4 | 10° 8 | 26°53 | 28°26 | 5°31 | 28°18 | | |
| T 15 | 17 31 58 | 23°29'03 | 17°23 | 18°12 | 11°33 | 10°38 | 7°30 | 21° 4 | 28°21 | 13° 6 | 10° 8 | 26°48 | 28°23 | 5°38 | 28°20 | | |
| F 16 | 17 35 54 | 24°26'20 | 29°13 | 19° 5 | 12°46 | 10°57 | 7°41 | 21° 5 | 28°19 | 13° 8 | 10° 8 | 26°44 | 28°20 | 5°45 | 28°23 | | |
| S 17 | 17 39 51 | 25°23'36 | 11♁ 1 | 19°55 | 13°59 | 11°16 | 7°52 | 21° 7 | 28°17 | 13°11 | 10° 8 | 26°41 | 28°17 | 5°51 | 28°25 | | |
| S 18 | 17 43 48 | 26°20'51 | 22°48 | 20°41 | 15°13 | 11°36 | 8° 3 | 21° 9 | 28°14 | 13°13 | 10° 7 | 26°D40 | 28°14 | 5°58 | 28°28 | | |
| M19 | 17 47 44 | 27°18'06 | 4♄37 | 21°24 | 16°26 | 11°56 | 8°15 | 21°10 | 28°12 | 13°15 | 10° 7 | 26°40 | 28°11 | 6° 5 | 28°30 | | |
| T 20 | 17 51 41 | 28°15'20 | 16°32 | 22° 2 | 17°39 | 12°16 | 8°26 | 21°11 | 28°10 | 13°17 | 10°D 7 | 26°41 | 28° 7 | 6°11 | 28°32 | | |
| W21 | 17 55 37 | 29°12'34 | 28°35 | 22°37 | 18°52 | 12°37 | 8°37 | 21°13 | 28° 8 | 13°19 | 10° 7 | 26°43 | 28° 4 | 6°18 | 28°35 | | |
| T 22 | 17 59 34 | 0♁ 9'47 | 10♄52 | 23° 7 | 20° 6 | 12°59 | 8°49 | 21°14 | 28° 6 | 13°21 | 10° 7 | 26°44 | 28° 1 | 6°25 | 28°37 | | |
| F 23 | 18 3 30 | 1° 7'00 | 23°25 | 23°33 | 21°19 | 13°20 | 9° 1 | 21°15 | 28° 4 | 13°24 | 10° 7 | 26°45 | 27°58 | 6°31 | 28°39 | | |
| S 24 | 18 7 27 | 2° 4'12 | 6♁20 | 23°55 | 22°32 | 13°43 | 9°12 | 21°16 | 28° 2 | 13°26 | 10° 8 | 26°R45 | 27°55 | 6°38 | 28°41 | | |
| S 25 | 18 11 23 | 3° 1'24 | 19°41 | 24°12 | 23°45 | 14° 5 | 9°24 | 21°16 | 28° 0 | 13°28 | 10° 8 | 26°45 | 27°52 | 6°45 | 28°43 | | |
| M26 | 18 15 20 | 3°58'35 | 3♄28 | 24°25 | 24°58 | 14°28 | 9°36 | 21°17 | 27°59 | 13°30 | 10° 8 | 26°43 | 27°48 | 6°51 | 28°45 | | |
| T 27 | 18 19 17 | 4°55'46 | 17°43 | 24°33 | 26°11 | 14°52 | 9°48 | 21°18 | 27°57 | 13°32 | 10° 8 | 26°40 | 27°45 | 6°58 | 28°47 | | |
| W28 | 18 23 13 | 5°52'57 | 2♃22 | 24°R36 | 27°24 | 15°15 | 9°59 | 21°18 | 27°55 | 13°34 | 10° 8 | 26°38 | 27°42 | 7° 5 | 28°49 | | |
| T 29 | 18 27 10 | 6°50'07 | 17°21 | 24°35 | 28°37 | 15°39 | 10°11 | 21°19 | 27°53 | 13°36 | 10° 9 | 26°35 | 27°39 | 7°11 | 28°51 | | |
| F 30 | 18 31 6 | 7♁47'17 | 2♃32 | 24♁29 | 29♁51 | 16♁ 4 | 10♄23 | 21♃19 | 27♄51 | 13♂39 | 10♁ 9 | 26♃33 | 27♃36 | 7♁18 | 28♀53 | | |

Delta T = 9.80 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1730

JULY 1730

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|------------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| S 1 | 18 35 3 | 8 ^h 44'27" | 17 ^h 345 | 24°R19 | 1 ^h Ω 4 | 16 ^h Ω29 | 10 ^h Ω35 | 21 ^h ✕19 | 27°R50 | 13 ^h II41 | 10 ^h Ω 9 | 26°R32 | 27 ^h Ω32 | 7 ^h Ω24 | 28 ^h Υ55 |
| S 2 | 18 38 59 | 9°41'38" | 2 ^h Ω51 | 24 ^h Ω 4 | 2°17 | 16°54 | 10°47 | 21°19 | 27 ^h M48 | 13°43 | 10°10 | 26°D32 | 27°29 | 7°31 | 28°57 |
| M 3 | 18 42 56 | 10°38'48" | 17°40 | 23°45 | 3°30 | 17°20 | 11° 0 | 21°R19 | 27°47 | 13°45 | 10°10 | 26°Ω33 | 27°26 | 7°38 | 28°58 |
| T 4 | 18 46 52 | 11°35'59" | 2 ^h ✕ 8 | 23°22 | 4°43 | 17°45 | 11°12 | 21°19 | 27°45 | 13°47 | 10°10 | 26°34 | 27°23 | 7°44 | 29° 0 |
| W 5 | 18 50 49 | 12°33'09" | 16°10 | 22°55 | 5°55 | 18°12 | 11°24 | 21°19 | 27°43 | 13°49 | 10°11 | 26°35 | 27°20 | 7°51 | 29° 2 |
| T 6 | 18 54 46 | 13°30'21" | 29°46 | 22°25 | 7° 8 | 18°38 | 11°36 | 21°19 | 27°42 | 13°51 | 10°11 | 26°36 | 27°17 | 7°58 | 29° 3 |
| F 7 | 18 58 42 | 14°27'32" | 12 ^h Υ57 | 21°51 | 8°21 | 19° 5 | 11°49 | 21°18 | 27°40 | 13°53 | 10°12 | 26°R36 | 27°13 | 8° 4 | 29° 5 |
| S 8 | 19 2 39 | 15°24'45" | 25°45 | 21°16 | 9°34 | 19°32 | 12° 1 | 21°18 | 27°39 | 13°55 | 10°13 | 26°36 | 27°10 | 8°11 | 29° 6 |
| S 9 | 19 6 35 | 16°21'58" | 8 ^h Ω15 | 20°38 | 10°47 | 20° 0 | 12°13 | 21°17 | 27°38 | 13°57 | 10°13 | 26°35 | 27° 7 | 8°18 | 29° 8 |
| M10 | 19 10 32 | 17°19'11" | 20°30 | 19°59 | 12° 0 | 20°28 | 12°26 | 21°17 | 27°36 | 13°59 | 10°14 | 26°34 | 27° 4 | 8°24 | 29° 9 |
| T 11 | 19 14 28 | 18°16'25" | 2 ^h II32 | 19°20 | 13°13 | 20°56 | 12°38 | 21°16 | 27°35 | 14° 1 | 10°14 | 26°33 | 27° 1 | 8°31 | 29°10 |
| W12 | 19 18 25 | 19°13'39" | 14°27 | 18°40 | 14°26 | 21°24 | 12°51 | 21°15 | 27°34 | 14° 3 | 10°15 | 26°32 | 26°58 | 8°38 | 29°12 |
| T 13 | 19 22 22 | 20°10'54" | 26°17 | 18° 2 | 15°38 | 21°53 | 13° 3 | 21°14 | 27°33 | 14° 4 | 10°16 | 26°31 | 26°54 | 8°44 | 29°13 |
| F 14 | 19 26 18 | 21° 8'10" | 8 ^h Ω 5 | 17°24 | 16°51 | 22°22 | 13°16 | 21°13 | 27°32 | 14° 6 | 10°17 | 26°31 | 26°51 | 8°51 | 29°14 |
| S 15 | 19 30 15 | 22° 5'26" | 19°52 | 16°49 | 18° 4 | 22°51 | 13°29 | 21°12 | 27°30 | 14° 8 | 10°17 | 26°30 | 26°48 | 8°58 | 29°15 |
| S 16 | 19 34 11 | 23° 2'43" | 1 ^h Ω43 | 16°17 | 19°17 | 23°21 | 13°41 | 21°11 | 27°29 | 14°10 | 10°18 | 26°D30 | 26°45 | 9° 4 | 29°16 |
| M17 | 19 38 8 | 23°59'59" | 13°38 | 15°48 | 20°29 | 23°50 | 13°54 | 21° 9 | 27°28 | 14°12 | 10°19 | 26°30 | 26°42 | 9°11 | 29°17 |
| T 18 | 19 42 4 | 24°57'17" | 25°40 | 15°22 | 21°42 | 24°21 | 14° 7 | 21° 8 | 27°27 | 14°14 | 10°20 | 26°31 | 26°38 | 9°18 | 29°18 |
| W19 | 19 46 1 | 25°54'35" | 7 ^h η52 | 15° 1 | 22°55 | 24°51 | 14°20 | 21° 6 | 27°26 | 14°15 | 10°21 | 26°31 | 26°35 | 9°24 | 29°19 |
| T 20 | 19 49 57 | 26°51'53" | 20°16 | 14°45 | 24° 7 | 25°22 | 14°32 | 21° 5 | 27°26 | 14°17 | 10°22 | 26°R31 | 26°32 | 9°31 | 29°20 |
| F 21 | 19 53 54 | 27°49'11" | 2 ^h Ω56 | 14°34 | 25°20 | 25°52 | 14°45 | 21° 3 | 27°25 | 14°19 | 10°23 | 26°31 | 26°29 | 9°38 | 29°21 |
| S 22 | 19 57 51 | 28°46'30" | 15°52 | 14°D29 | 26°33 | 26°24 | 14°58 | 21° 1 | 27°24 | 14°21 | 10°24 | 26°31 | 26°26 | 9°44 | 29°21 |
| S 23 | 20 1 47 | 29°43'50" | 29°10 | 14°29 | 27°45 | 26°55 | 15°11 | 20°59 | 27°23 | 14°22 | 10°25 | 26°D31 | 26°23 | 9°51 | 29°22 |
| M24 | 20 5 44 | 0 ^h Ω41'09" | 12 ^h η50 | 14°35 | 28°58 | 27°27 | 15°24 | 20°57 | 27°23 | 14°24 | 10°26 | 26°31 | 26°19 | 9°57 | 29°23 |
| T 25 | 20 9 40 | 1°38'30" | 26°52 | 14°47 | 0 ^h η10 | 27°58 | 15°37 | 20°55 | 27°22 | 14°26 | 10°27 | 26°31 | 26°16 | 10° 4 | 29°23 |
| W26 | 20 13 37 | 2°35'51" | 11 ^h ✕18 | 15° 6 | 1°23 | 28°31 | 15°50 | 20°53 | 27°21 | 14°27 | 10°28 | 26°31 | 26°13 | 10°11 | 29°24 |
| T 27 | 20 17 33 | 3°33'12" | 26° 2 | 15°30 | 2°35 | 29° 3 | 16° 3 | 20°50 | 27°21 | 14°29 | 10°30 | 26°32 | 26°10 | 10°17 | 29°24 |
| F 28 | 20 21 30 | 4°30'34" | 11 ^h Ω 0 | 16° 1 | 3°48 | 29°35 | 16°16 | 20°48 | 27°20 | 14°31 | 10°31 | 26°32 | 26° 7 | 10°24 | 29°25 |
| S 29 | 20 25 26 | 5°27'57" | 26° 5 | 16°38 | 5° 0 | 0 ^h η 8 | 16°29 | 20°46 | 27°20 | 14°32 | 10°32 | 26°R33 | 26° 4 | 10°31 | 29°25 |
| S 30 | 20 29 23 | 6°25'21" | 11 ^h Ω 7 | 17°21 | 6°12 | 0°41 | 16°42 | 20°43 | 27°19 | 14°34 | 10°33 | 26°32 | 26° 0 | 10°37 | 29°25 |
| M31 | 20 33 20 | 7 ^h Ω22'45" | 25 ^h Ω59 | 18 ^h Ω10 | 7 ^h η25 | 1 ^h η14 | 16 ^h Ω55 | 20 ^h ✕40 | 27 ^h η19 | 14 ^h II35 | 10 ^h Ω35 | 26 ^h Ω32 | 25 ^h Ω57 | 10 ^h Ω44 | 29 ^h Υ25 |

Delta T = 9.80 sec.

Greg. Calendar

AUGUST 1730

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| T 1 | 20 37 16 | 8 ^h Ω20'11" | 10 ^h ✕33 | 19 ^h Ω 6 | 8 ^h η37 | 1 ^h η48 | 17 ^h Ω 8 | 20°R38 | 27°R19 | 14 ^h II37 | 10 ^h Ω36 | 26°R30 | 25 ^h Ω54 | 10 ^h Ω51 | 29 ^h Υ26 |
| W 2 | 20 41 13 | 9°17'38" | 24°42 | 20° 7 | 9°49 | 2°21 | 17°21 | 20 ^h ✕35 | 27 ^h η19 | 14°38 | 10°37 | 26°Ω29 | 25°51 | 10°57 | 29°26 |
| T 3 | 20 45 9 | 10°15'05" | 8 ^h Υ26 | 21°14 | 11° 1 | 2°55 | 17°34 | 20°32 | 27°18 | 14°40 | 10°39 | 26°27 | 25°48 | 11° 4 | 29°R26 |
| F 4 | 20 49 6 | 11°12'35" | 21°43 | 22°27 | 12°13 | 3°29 | 17°47 | 20°29 | 27°18 | 14°41 | 10°40 | 26°26 | 25°44 | 11°11 | 29°26 |
| S 5 | 20 53 2 | 12°10'05" | 4 ^h Ω35 | 23°45 | 13°26 | 4° 4 | 18° 0 | 20°26 | 27°18 | 14°42 | 10°41 | 26°25 | 25°41 | 11°17 | 29°26 |
| S 6 | 20 56 59 | 13° 7'37" | 17° 5 | 25° 8 | 14°38 | 4°38 | 18°13 | 20°23 | 27°D18 | 14°44 | 10°43 | 26°D25 | 25°38 | 11°24 | 29°25 |
| M 7 | 21 0 55 | 14° 5'11" | 29°18 | 26°36 | 15°50 | 5°13 | 18°26 | 20°20 | 27°18 | 14°45 | 10°44 | 26°26 | 25°35 | 11°31 | 29°25 |
| T 8 | 21 4 52 | 15° 2'45" | 11 ^h II18 | 28° 9 | 17° 2 | 5°47 | 18°39 | 20°16 | 27°18 | 14°46 | 10°46 | 26°27 | 25°32 | 11°37 | 29°25 |
| W 9 | 21 8 49 | 16° 0'22" | 23°10 | 29°46 | 18°14 | 6°22 | 18°52 | 20°13 | 27°18 | 14°48 | 10°47 | 26°28 | 25°29 | 11°44 | 29°25 |
| T 10 | 21 12 45 | 16°58'00" | 4 ^h Ω58 | 1 ^h Ω27 | 19°26 | 6°58 | 19° 5 | 20°10 | 27°19 | 14°49 | 10°49 | 26°30 | 25°25 | 11°51 | 29°24 |
| F 11 | 21 16 42 | 17°55'39" | 16°45 | 3°12 | 20°38 | 7°33 | 19°19 | 20° 6 | 27°19 | 14°50 | 10°51 | 26°31 | 25°22 | 11°57 | 29°24 |
| S 12 | 21 20 38 | 18°53'19" | 28°36 | 5° 0 | 21°50 | 8° 9 | 19°32 | 20° 3 | 27°19 | 14°51 | 10°52 | 26°R31 | 25°19 | 12° 4 | 29°23 |
| S 13 | 21 24 35 | 19°51'01" | 10 ^h Ω33 | 6°51 | 23° 2 | 8°44 | 19°45 | 19°59 | 27°19 | 14°53 | 10°54 | 26°31 | 25°16 | 12°10 | 29°23 |
| M14 | 21 28 31 | 20°48'44" | 22°38 | 8°45 | 24°14 | 9°20 | 19°58 | 19°55 | 27°20 | 14°54 | 10°55 | 26°29 | 25°13 | 12°17 | 29°22 |
| T 15 | 21 32 28 | 21°46'29" | 4 ^h η54 | 10°40 | 25°25 | 9°56 | 20°11 | 19°51 | 27°20 | 14°55 | 10°57 | 26°26 | 25°10 | 12°24 | 29°22 |
| W16 | 21 36 24 | 22°44'14" | 17°20 | 12°38 | 26°37 | 10°33 | 20°24 | 19°48 | 27°21 | 14°56 | 10°59 | 26°22 | 25° 6 | 12°30 | 29°21 |
| T 17 | 21 40 21 | 23°42'01" | 0 ^h Ω 0 | 14°36 | 27°49 | 11° 9 | 20°37 | 19°44 | 27°21 | 14°57 | 11° 1 | 26°17 | 25° 3 | 12°37 | 29°20 |
| F 18 | 21 44 18 | 24°39'50" | 12°53 | 16°35 | 29° 1 | 11°46 | 20°50 | 19°40 | 27°22 | 14°58 | 11° 2 | 26°13 | 25° 0 | 12°44 | 29°20 |
| S 19 | 21 48 14 | 25°37'39" | 26° 0 | 18°35 | 0 ^h Ω12 | 12°23 | 21° 4 | 19°36 | 27°22 | 14°59 | 11° 4 | 26° 9 | 24°57 | 12°50 | 29°19 |
| S 20 | 21 52 11 | 26°35'30" | 9 ^h η22 | 20°35 | 1°24 | 13° 0 | 21°17 | 19°32 | 27°23 | 15° 0 | 11° 6 | 26° 7 | 24°54 | 12°57 | 29°18 |
| M21 | 21 56 7 | 27°33'22" | 23° 0 | 22°36 | 2°35 | 13°37 | 21°30 | 19°28 | 27°24 | 15° 1 | 11° 8 | 26°D 6 | 24°50 | 13° 4 | 29°17 |
| T 22 | 22 0 4 | 28°31'15" | 6 ^h ✕54 | 24°36 | 3°47 | 14°14 | 21°43 | 19°24 | 27°25 | 15° 2 | 11°10 | 26° 6 | 24°47 | 13°10 | 29°16 |
| W23 | 22 4 0 | 29°29'10" | 21° 5 | 26°35 | 4°58 | 14°52 | 21°56 | 19°20 | 27°26 | 15° 3 | 11°12 | 26° 7 | 24°44 | 13°17 | 29°15 |
| T 24 | 22 7 57 | 0 ^h η27'05" | 5 ^h Ω29 | 28°34 | 6°10 | 15°29 | 22° 9 | 19°15 | 27°26 | 15° 4 | 11°13 | 26° 9 | 24°41 | 13°24 | 29°14 |
| F 25 | 22 11 53 | 1°25'02" | 20° 6 | 0 ^h η32 | 7°21 | 16° 7 | 22°22 | 19°11 | 27°27 | 15° 4 | 11°15 | 26°R10 | 24°38 | 13°30 | 29°12 |
| S 26 | 22 15 50 | 2°23'01" | 4 ^h Ω50 | 2°29 | 8°33 | 16°45 | 22°35 | 19° 7 | 27°28 | 15° 5 | 11°17 | 26° 9 | 24°35 | 13°37 | 29°11 |
| S 27 | 22 19 47 | 3°21'01" | 19°36 | 4°26 | 9°44 | 17°23 | 22°48 | 19° 2 | 27°29 | 15° 6 | 11°19 | 26° 8 | 24°31 | 13°44 | 29°10 |
| M28 | 22 23 43 | 4°19'02" | 4 ^h ✕15 | 6°21 | 10°55 | 18° 1 | 23° 1 | 18°58 | 27°31 | 15° 7 | 11°21 | 26° 4 | 24°28 | 13°50 | 29° 9 |
| T 29 | 22 27 40 | 5°17'05" | 18°42 | 8°15 | 12° 6 | 18°40 | 23°14 | 18°54 | 27°32 | 15° 7 | 11°23 | 25°59 | 24°25 | 13°57 | 29° 7 |
| W30 | 22 31 36 | 6°15'10" | 2 ^h Υ50 | 10° 8 | 13°17 | 19°18 | 23°27 | 18°49 | 27°33 | 15° 8 | 11°25 | 25°53 | 24°22 | 14° 4 | 29° 6 |
| T 31 | 22 35 33 | 7 ^h η13'16" | 16 ^h Υ35 | 12 ^h η 0 | 14 ^h Ω28 | 19 ^h η57 | 23 ^h Ω40 | 18 ^h ✕45 | 27 ^h η34 | 15 ^h II 9 | 11 ^h Ω27 | 25 ^h Ω46 | 24 ^h Ω19 | 14 ^h Ω10 | 29 ^h Υ 4 |

Delta T = 9.80 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1730

SEPTEMBER 1730

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|-------|--------|---|
| F 1 | 22 39 29 | 8♍11'24 | 29♍54 | 13♍51 | 15♍39 | 20♍35 | 23♍53 | 18°R40 | 27♍35 | 15♍9 | 11♍29 | 25°R40 | 24♍16 | 14♍17 | 29°R 3 | |
| S 2 | 22 43 26 | 9° 9'35 | 12♌49 | 15°40 | 16°50 | 21°14 | 24° 6 | 18♋36 | 27°37 | 15°10 | 11°31 | 25♌35 | 24°12 | 14♌23 | 29♍ 1 | |
| S 3 | 22 47 22 | 10° 7'47 | 25°22 | 17°29 | 18° 1 | 21°53 | 24°19 | 18°31 | 27°38 | 15°10 | 11°33 | 25°32 | 24° 9 | 14°30 | 28°59 | |
| M 4 | 22 51 19 | 11° 6'02 | 7♊36 | 19°16 | 19°12 | 22°33 | 24°31 | 18°27 | 27°40 | 15°11 | 11°36 | 25°D31 | 24° 6 | 14°37 | 28°58 | |
| T 5 | 22 55 16 | 12° 4'19 | 19°36 | 21° 2 | 20°23 | 23°12 | 24°44 | 18°22 | 27°41 | 15°11 | 11°38 | 25°31 | 24° 3 | 14°43 | 28°56 | |
| W 6 | 22 59 12 | 13° 2'37 | 19°27 | 22°47 | 21°34 | 23°52 | 24°57 | 18°17 | 27°43 | 15°12 | 11°40 | 25°33 | 24° 0 | 14°50 | 28°54 | |
| T 7 | 23 3 9 | 14° 0'58 | 13°15 | 24°31 | 22°44 | 24°31 | 25°10 | 18°13 | 27°44 | 15°12 | 11°42 | 25°34 | 23°56 | 14°57 | 28°52 | |
| F 8 | 23 7 5 | 14°59'21 | 25° 4 | 26°13 | 23°55 | 25°11 | 25°22 | 18° 8 | 27°46 | 15°13 | 11°44 | 25°R35 | 23°53 | 15° 3 | 28°51 | |
| S 9 | 23 11 2 | 15°57'46 | 6♋59 | 27°55 | 25° 6 | 25°51 | 25°35 | 18° 4 | 27°48 | 15°13 | 11°46 | 25°34 | 23°50 | 15°10 | 28°49 | |
| S 10 | 23 14 58 | 16°56'12 | 19° 3 | 29°35 | 26°16 | 26°31 | 25°48 | 17°59 | 27°49 | 15°13 | 11°48 | 25°31 | 23°47 | 15°17 | 28°47 | |
| M11 | 23 18 55 | 17°54'41 | 1♉20 | 1♌14 | 27°27 | 27°11 | 26° 0 | 17°54 | 27°51 | 15°13 | 11°51 | 25°26 | 23°44 | 15°23 | 28°45 | |
| T12 | 23 22 51 | 18°53'12 | 13°51 | 2°52 | 28°37 | 27°51 | 26°13 | 17°50 | 27°53 | 15°14 | 11°53 | 25°19 | 23°41 | 15°30 | 28°43 | |
| W13 | 23 26 48 | 19°51'44 | 26°37 | 4°30 | 29°47 | 28°32 | 26°26 | 17°45 | 27°55 | 15°14 | 11°55 | 25°10 | 23°37 | 15°37 | 28°41 | |
| T14 | 23 30 44 | 20°50'19 | 9♌38 | 6° 6 | 0♍58 | 29°12 | 26°38 | 17°40 | 27°57 | 15°14 | 11°57 | 25° 0 | 23°34 | 15°43 | 28°38 | |
| F15 | 23 34 41 | 21°48'55 | 22°52 | 7°41 | 2° 8 | 29°53 | 26°51 | 17°36 | 27°59 | 15°14 | 12° 0 | 24°50 | 23°31 | 15°50 | 28°36 | |
| S16 | 23 38 38 | 22°47'34 | 6♌18 | 9°15 | 3°18 | 0♌34 | 27° 3 | 17°31 | 28° 1 | 15°14 | 12° 2 | 24°41 | 23°28 | 15°56 | 28°34 | |
| S17 | 23 42 34 | 23°46'14 | 19°56 | 10°48 | 4°28 | 1°14 | 27°15 | 17°27 | 28° 3 | 15°14 | 12° 4 | 24°35 | 23°25 | 16° 3 | 28°32 | |
| M18 | 23 46 31 | 24°44'55 | 3♌42 | 12°20 | 5°38 | 1°55 | 27°28 | 17°22 | 28° 5 | 15°R14 | 12° 6 | 24°31 | 23°21 | 16°10 | 28°30 | |
| T19 | 23 50 27 | 25°43'39 | 17°37 | 13°51 | 6°48 | 2°37 | 27°40 | 17°17 | 28° 7 | 15°14 | 12° 9 | 24°29 | 23°18 | 16°16 | 28°27 | |
| W20 | 23 54 24 | 26°42'24 | 1♌40 | 15°21 | 7°58 | 3°18 | 27°52 | 17°13 | 28° 9 | 15°14 | 12°11 | 24°D29 | 23°15 | 16°23 | 28°25 | |
| T21 | 23 58 20 | 27°41'11 | 15°50 | 16°50 | 9° 8 | 3°59 | 28° 5 | 17° 8 | 28°11 | 15°14 | 12°13 | 24°29 | 23°12 | 16°30 | 28°22 | |
| F22 | 0 2 17 | 28°39'59 | 0♌6 | 18°18 | 10°17 | 4°41 | 28°17 | 17° 4 | 28°14 | 15°14 | 12°16 | 24°R29 | 23° 9 | 16°36 | 28°20 | |
| S23 | 0 6 13 | 29°38'50 | 14°25 | 19°45 | 11°27 | 5°22 | 28°29 | 16°59 | 28°16 | 15°14 | 12°18 | 24°28 | 23° 6 | 16°43 | 28°18 | |
| S24 | 0 10 10 | 0♌37'42 | 28°46 | 21°11 | 12°37 | 6° 4 | 28°41 | 16°55 | 28°18 | 15°14 | 12°20 | 24°24 | 23° 2 | 16°50 | 28°15 | |
| M25 | 0 14 7 | 1°36'35 | 13♋2 | 22°36 | 13°46 | 6°46 | 28°53 | 16°51 | 28°21 | 15°14 | 12°23 | 24°17 | 22°59 | 16°56 | 28°13 | |
| T26 | 0 18 3 | 2°35'31 | 27° 9 | 24° 0 | 14°55 | 7°28 | 29° 5 | 16°46 | 28°23 | 15°13 | 12°25 | 24° 8 | 22°56 | 17° 3 | 28°10 | |
| W27 | 0 22 0 | 3°34'28 | 11♍3 | 25°23 | 16° 5 | 8°10 | 29°17 | 16°42 | 28°26 | 15°13 | 12°27 | 23°57 | 22°53 | 17°10 | 28° 7 | |
| T28 | 0 25 56 | 4°33'28 | 24°38 | 26°44 | 17°14 | 8°52 | 29°29 | 16°38 | 28°28 | 15°13 | 12°30 | 23°45 | 22°50 | 17°16 | 28° 5 | |
| F29 | 0 29 53 | 5°32'30 | 7♌53 | 28° 5 | 18°23 | 9°34 | 29°40 | 16°33 | 28°31 | 15°12 | 12°32 | 23°34 | 22°47 | 17°23 | 28° 2 | |
| S30 | 0 33 49 | 6♌31'34 | 20♌45 | 29°24 | 19♌32 | 10♌16 | 29♌52 | 16♋29 | 28♌33 | 15♌12 | 12♌34 | 23♌25 | 22♌43 | 17♌30 | 27♌59 | |

Delta T = 9.80 sec.

Greg. Calendar

OCTOBER 1730

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|-----|---------|----------|-------|--------|-------|-------|------|--------|-------|--------|-------|--------|-------|-------|--------|---|
| S 1 | 0 37 46 | 7♌30'41 | 3♊17 | 0♍42 | 20♍41 | 10♌59 | 0♉ 4 | 16°R25 | 28♌36 | 15°R12 | 12♌37 | 23°R18 | 22♌40 | 17♌36 | 27°R57 | |
| M 2 | 0 41 42 | 8°29'49 | 15°31 | 1°59 | 21°49 | 11°41 | 0°15 | 16♋21 | 28°39 | 15♌11 | 12°39 | 23♌13 | 22°37 | 17°43 | 27°R54 | |
| T 3 | 0 45 39 | 9°29'00 | 27°32 | 3°14 | 22°58 | 12°24 | 0°27 | 16°17 | 28°41 | 15°11 | 12°41 | 23°11 | 22°34 | 17°49 | 27°51 | |
| W 4 | 0 49 36 | 10°28'14 | 9♌23 | 4°28 | 24° 7 | 13° 6 | 0°38 | 16°13 | 28°44 | 15°10 | 12°44 | 23°D10 | 22°31 | 17°56 | 27°49 | |
| T 5 | 0 53 32 | 11°27'29 | 21°11 | 5°40 | 25°15 | 13°49 | 0°50 | 16° 9 | 28°47 | 15°10 | 12°46 | 23°R10 | 22°27 | 18° 3 | 27°46 | |
| F 6 | 0 57 29 | 12°26'47 | 3♋1 | 6°51 | 26°23 | 14°32 | 1° 1 | 16° 5 | 28°50 | 15° 9 | 12°49 | 23°10 | 22°24 | 18° 9 | 27°43 | |
| S 7 | 1 1 25 | 13°26'08 | 14°58 | 8° 0 | 27°32 | 15°15 | 1°12 | 16° 1 | 28°52 | 15° 9 | 12°51 | 23° 8 | 22°21 | 18°16 | 27°40 | |
| S 8 | 1 5 22 | 14°25'30 | 27° 8 | 9° 6 | 28°40 | 15°58 | 1°23 | 15°57 | 28°55 | 15° 8 | 12°53 | 23° 4 | 22°18 | 18°23 | 27°37 | |
| M 9 | 1 9 18 | 15°24'55 | 9♉33 | 10°11 | 29°48 | 16°41 | 1°35 | 15°53 | 28°58 | 15° 7 | 12°56 | 22°58 | 22°15 | 18°29 | 27°34 | |
| T10 | 1 13 15 | 16°24'22 | 22°17 | 11°13 | 0♌56 | 17°25 | 1°46 | 15°50 | 29° 1 | 15° 7 | 12°58 | 22°48 | 22°12 | 18°36 | 27°32 | |
| W11 | 1 17 11 | 17°23'51 | 5♌21 | 12°13 | 2° 3 | 18° 8 | 1°56 | 15°46 | 29° 4 | 15° 6 | 13° 0 | 22°36 | 22° 8 | 18°43 | 27°29 | |
| T12 | 1 21 8 | 18°23'22 | 18°44 | 13°10 | 3°11 | 18°51 | 2° 7 | 15°43 | 29° 7 | 15° 5 | 13° 3 | 22°24 | 22° 5 | 18°49 | 27°26 | |
| F13 | 1 25 5 | 19°22'55 | 2♌23 | 14° 4 | 4°19 | 19°35 | 2°18 | 15°39 | 29°10 | 15° 4 | 13° 5 | 22°11 | 22° 2 | 18°56 | 27°23 | |
| S14 | 1 29 1 | 20°22'30 | 16°15 | 14°54 | 5°26 | 20°19 | 2°29 | 15°36 | 29°13 | 15° 4 | 13° 7 | 21°59 | 21°59 | 19° 3 | 27°20 | |
| S15 | 1 32 58 | 21°22'08 | 0♌17 | 15°41 | 6°33 | 21° 2 | 2°39 | 15°33 | 29°16 | 15° 3 | 13°10 | 21°50 | 21°56 | 19° 9 | 27°17 | |
| M16 | 1 36 54 | 22°21'47 | 14°23 | 16°24 | 7°40 | 21°46 | 2°50 | 15°29 | 29°19 | 15° 2 | 13°12 | 21°44 | 21°53 | 19°16 | 27°14 | |
| T17 | 1 40 51 | 23°21'28 | 28°31 | 17° 2 | 8°47 | 22°30 | 3° 0 | 15°26 | 29°22 | 15° 1 | 13°15 | 21°41 | 21°49 | 19°22 | 27°11 | |
| W18 | 1 44 47 | 24°21'10 | 12♌39 | 17°35 | 9°54 | 23°14 | 3°11 | 15°23 | 29°26 | 15° 0 | 13°17 | 21°39 | 21°46 | 19°29 | 27° 8 | |
| T19 | 1 48 44 | 25°20'54 | 26°46 | 18° 2 | 11° 1 | 23°58 | 3°21 | 15°20 | 29°29 | 14°59 | 13°19 | 21°39 | 21°43 | 19°36 | 27° 5 | |
| F20 | 1 52 40 | 26°20'40 | 10♌49 | 18°24 | 12° 7 | 24°42 | 3°31 | 15°17 | 29°32 | 14°58 | 13°22 | 21°39 | 21°40 | 19°42 | 27° 2 | |
| S21 | 1 56 37 | 27°20'28 | 24°49 | 18°39 | 13°13 | 25°26 | 3°41 | 15°14 | 29°35 | 14°57 | 13°24 | 21°37 | 21°37 | 19°49 | 26°59 | |
| S22 | 2 0 34 | 28°20'17 | 8♋45 | 18°R47 | 14°19 | 26°11 | 3°51 | 15°12 | 29°39 | 14°56 | 13°26 | 21°32 | 21°33 | 19°56 | 26°56 | |
| M23 | 2 4 30 | 29°20'08 | 22°35 | 18°46 | 15°25 | 26°55 | 4° 1 | 15° 9 | 29°42 | 14°55 | 13°28 | 21°25 | 21°30 | 20° 2 | 26°54 | |
| T24 | 2 8 27 | 0♌20'00 | 6♍17 | 18°38 | 16°31 | 27°39 | 4°11 | 15° 6 | 29°45 | 14°54 | 13°31 | 21°15 | 21°27 | 20° 9 | 26°51 | |
| W25 | 2 12 23 | 1°19'55 | 19°47 | 18°21 | 17°36 | 28°24 | 4°21 | 15° 4 | 29°49 | 14°53 | 13°33 | 21° 2 | 21°24 | 20°16 | 26°48 | |
| T26 | 2 16 20 | 2°19'51 | 3♌3 | 17°54 | 18°42 | 29° 8 | 4°30 | 15° 1 | 29°52 | 14°52 | 13°35 | 20°49 | 21°21 | 20°22 | 26°45 | |
| F27 | 2 20 16 | 3°19'49 | 16° 3 | 17°19 | 19°47 | 29°53 | 4°40 | 14°59 | 29°55 | 14°51 | 13°38 | 20°37 | 21°18 | 20°29 | 26°42 | |
| S28 | 2 24 13 | 4°19'49 | 28°46 | 16°33 | 20°51 | 0♌38 | 4°49 | 14°57 | 29°59 | 14°49 | 13°40 | 20°26 | 21°14 | 20°36 | 26°39 | |
| S29 | 2 28 9 | 5°19'52 | 11♊12 | 15°39 | 21°56 | 1°23 | 4°58 | 14°55 | 0♌2 | 14°48 | 13°42 | 20°17 | 21°11 | 20°42 | 26°36 | |
| M30 | 2 32 6 | 6°19'56 | 23°23 | 14°37 | 23° 0 | 2° 7 | 5° 7 | 14°53 | 0° 6 | 14°47 | 13°44 | 20°12 | 21° 8 | 20°49 | 26°33 | |
| T31 | 2 36 3 | 7♌20'03 | 5♌22 | 13♌28 | 24♌4 | 2♌52 | 5♉16 | 14♋51 | 0♌9 | 14♌46 | 13♌47 | 20♌9 | 21♌5 | 20♌55 | 26♌30 | |

Delta T = 9.80 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1730

NOVEMBER 1730

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|-------|------|--------|------|---------|-------|--------|-------|-------|--------|
| W 1 | 2 39 59 | 8♍20'11 | 17♄12 | 12°R13 | 25♂ 8 | 3♂37 | 5♍25 | 14°R49 | 0♂13 | 14°R44 | 13♁49 | 20♂ 8 | 21♂ 2 | 21♄ 2 | 26°R27 |
| T 2 | 2 43 56 | 9°20'22 | 28°59 | 10♍55 | 26°12 | 4°22 | 5°34 | 14°K47 | 0°16 | 14♍43 | 13°51 | 20° 8 | 20°58 | 21° 9 | 26°Y24 |
| F 3 | 2 47 52 | 10°20'34 | 10♌49 | 9°36 | 27°15 | 5° 7 | 5°43 | 14°46 | 0°20 | 14°42 | 13°53 | 20°R 8 | 20°55 | 21°15 | 26°22 |
| S 4 | 2 51 49 | 11°20'49 | 22°46 | 8°19 | 28°18 | 5°53 | 5°51 | 14°44 | 0°23 | 14°40 | 13°55 | 20° 7 | 20°52 | 21°22 | 26°19 |
| S 5 | 2 55 45 | 12°21'05 | 4♍56 | 7° 5 | 29°21 | 6°38 | 6° 0 | 14°43 | 0°27 | 14°39 | 13°58 | 20° 5 | 20°49 | 21°29 | 26°16 |
| M 6 | 2 59 42 | 13°21'24 | 17°24 | 5°58 | 0♂24 | 7°23 | 6° 8 | 14°41 | 0°30 | 14°38 | 14° 0 | 20° 0 | 20°46 | 21°35 | 26°13 |
| T 7 | 3 3 38 | 14°21'44 | 0♁14 | 4°59 | 1°26 | 8° 8 | 6°16 | 14°40 | 0°34 | 14°36 | 14° 2 | 19°53 | 20°43 | 21°42 | 26°10 |
| W 8 | 3 7 35 | 15°22'07 | 13°27 | 4°11 | 2°28 | 8°54 | 6°25 | 14°39 | 0°37 | 14°35 | 14° 4 | 19°43 | 20°39 | 21°49 | 26° 8 |
| T 9 | 3 11 31 | 16°22'31 | 27° 5 | 3°33 | 3°29 | 9°39 | 6°32 | 14°38 | 0°41 | 14°33 | 14° 6 | 19°32 | 20°36 | 21°55 | 26° 5 |
| F 10 | 3 15 28 | 17°22'57 | 11♍ 4 | 3° 6 | 4°30 | 10°25 | 6°40 | 14°37 | 0°45 | 14°32 | 14° 8 | 19°22 | 20°33 | 22° 2 | 26° 2 |
| S 11 | 3 19 25 | 18°23'25 | 25°21 | 2°52 | 5°31 | 11°10 | 6°48 | 14°36 | 0°48 | 14°30 | 14°10 | 19°12 | 20°30 | 22° 9 | 26° 0 |
| S 12 | 3 23 21 | 19°23'54 | 9♂49 | 2°D49 | 6°32 | 11°56 | 6°56 | 14°36 | 0°52 | 14°29 | 14°12 | 19° 4 | 20°27 | 22°15 | 25°57 |
| M13 | 3 27 18 | 20°24'25 | 24°23 | 2°57 | 7°32 | 12°42 | 7° 3 | 14°35 | 0°56 | 14°27 | 14°14 | 18°59 | 20°24 | 22°22 | 25°54 |
| T 14 | 3 31 14 | 21°24'58 | 8♂55 | 3°15 | 8°32 | 13°27 | 7°10 | 14°34 | 0°59 | 14°26 | 14°16 | 18°57 | 20°20 | 22°29 | 25°52 |
| W15 | 3 35 11 | 22°25'31 | 23°21 | 3°42 | 9°31 | 14°13 | 7°17 | 14°34 | 1° 3 | 14°24 | 14°18 | 18°D56 | 20°17 | 22°35 | 25°49 |
| T 16 | 3 39 7 | 23°26'06 | 7♁37 | 4°19 | 10°30 | 14°59 | 7°24 | 14°34 | 1° 7 | 14°23 | 14°20 | 18°57 | 20°14 | 22°42 | 25°47 |
| F 17 | 3 43 4 | 24°26'42 | 21°42 | 5° 2 | 11°28 | 15°45 | 7°31 | 14°34 | 1°10 | 14°21 | 14°22 | 18°R58 | 20°11 | 22°48 | 25°44 |
| S 18 | 3 47 1 | 25°27'19 | 5♁36 | 5°53 | 12°26 | 16°31 | 7°38 | 14°D34 | 1°14 | 14°20 | 14°24 | 18°57 | 20° 8 | 22°55 | 25°42 |
| S 19 | 3 50 57 | 26°27'57 | 19°17 | 6°50 | 13°24 | 17°17 | 7°44 | 14°34 | 1°18 | 14°18 | 14°26 | 18°55 | 20° 4 | 23° 2 | 25°39 |
| M20 | 3 54 54 | 27°28'37 | 2°Y47 | 7°51 | 14°21 | 18° 3 | 7°51 | 14°34 | 1°21 | 14°17 | 14°28 | 18°50 | 20° 1 | 23° 8 | 25°37 |
| T 21 | 3 58 50 | 28°29'17 | 16° 4 | 8°58 | 15°17 | 18°49 | 7°57 | 14°34 | 1°25 | 14°15 | 14°30 | 18°43 | 19°58 | 23°15 | 25°34 |
| W22 | 4 2 47 | 29°29'59 | 29°10 | 10° 8 | 16°13 | 19°35 | 8° 3 | 14°34 | 1°29 | 14°13 | 14°32 | 18°35 | 19°55 | 23°22 | 25°32 |
| T 23 | 4 6 43 | 0♂30'42 | 12♂ 3 | 11°22 | 17° 8 | 20°21 | 8° 9 | 14°35 | 1°32 | 14°12 | 14°33 | 18°26 | 19°52 | 23°28 | 25°30 |
| F 24 | 4 10 40 | 1°31'26 | 24°44 | 12°38 | 18° 3 | 21° 7 | 8°15 | 14°35 | 1°36 | 14°10 | 14°35 | 18°17 | 19°49 | 23°35 | 25°27 |
| S 25 | 4 14 36 | 2°32'11 | 7♍11 | 13°57 | 18°57 | 21°54 | 8°21 | 14°36 | 1°40 | 14° 8 | 14°37 | 18° 9 | 19°45 | 23°42 | 25°25 |
| S 26 | 4 18 33 | 3°32'58 | 19°26 | 15°18 | 19°50 | 22°40 | 8°26 | 14°37 | 1°43 | 14° 7 | 14°39 | 18° 3 | 19°42 | 23°48 | 25°23 |
| M27 | 4 22 30 | 4°33'46 | 1♄30 | 16°41 | 20°43 | 23°26 | 8°31 | 14°38 | 1°47 | 14° 5 | 14°40 | 18° 0 | 19°39 | 23°55 | 25°21 |
| T 28 | 4 26 26 | 5°34'36 | 13°25 | 18° 5 | 21°35 | 24°13 | 8°37 | 14°39 | 1°51 | 14° 3 | 14°42 | 17°D58 | 19°36 | 24° 2 | 25°19 |
| W29 | 4 30 23 | 6°35'26 | 25°14 | 19°31 | 22°26 | 24°59 | 8°42 | 14°40 | 1°55 | 14° 2 | 14°44 | 17°58 | 19°33 | 24° 8 | 25°17 |
| T 30 | 4 34 19 | 7♂36'18 | 7♍ 0 | 20♍58 | 23♂17 | 25♂45 | 8♍46 | 14°K41 | 1♂58 | 14°II 0 | 14♁45 | 18♂ 0 | 19♂30 | 24♄15 | 25°Y15 |

Delta T = 9.80 sec.

Greg. Calendar

DECEMBER 1730

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|--------|-------|-------|-------|-------|--------|------|---------|-------|--------|-------|-------|--------|
| F 1 | 4 38 16 | 8♂37'11 | 18♌49 | 22♍25 | 24♂ 7 | 26♂32 | 8♍51 | 14°K42 | 2♂ 2 | 13°R58 | 14♁47 | 18♂ 1 | 19♂26 | 24♄21 | 25°R13 |
| S 2 | 4 42 12 | 9°38'06 | 0♍44 | 23°54 | 24°56 | 27°18 | 8°56 | 14°44 | 2° 6 | 13°II57 | 14°49 | 18° 3 | 19°23 | 24°28 | 25°Y11 |
| S 3 | 4 46 9 | 10°39'02 | 12°52 | 25°23 | 25°44 | 28° 5 | 9° 0 | 14°45 | 2° 9 | 13°55 | 14°50 | 18°R 3 | 19°20 | 24°35 | 25° 9 |
| M 4 | 4 50 5 | 11°39'59 | 25°17 | 26°53 | 26°31 | 28°51 | 9° 4 | 14°47 | 2°13 | 13°53 | 14°52 | 18° 2 | 19°17 | 24°41 | 25° 7 |
| T 5 | 4 54 2 | 12°40'57 | 8♁ 4 | 28°23 | 27°18 | 29°38 | 9° 8 | 14°49 | 2°17 | 13°52 | 14°53 | 17°59 | 19°14 | 24°48 | 25° 6 |
| W 6 | 4 57 59 | 13°41'56 | 21°16 | 29°53 | 28° 3 | 0♁24 | 9°12 | 14°50 | 2°20 | 13°50 | 14°55 | 17°55 | 19°10 | 24°55 | 25° 4 |
| T 7 | 5 1 55 | 14°42'57 | 4♍56 | 1♂24 | 28°47 | 1°11 | 9°15 | 14°52 | 2°24 | 13°48 | 14°56 | 17°50 | 19° 7 | 25° 1 | 25° 2 |
| F 8 | 5 5 52 | 15°43'59 | 19° 2 | 2°55 | 29°31 | 1°58 | 9°19 | 14°54 | 2°28 | 13°46 | 14°57 | 17°45 | 19° 4 | 25° 8 | 25° 0 |
| S 9 | 5 9 48 | 16°45'02 | 3♂32 | 4°27 | 0♁13 | 2°44 | 9°22 | 14°57 | 2°31 | 13°45 | 14°59 | 17°40 | 19° 1 | 25°15 | 24°59 |
| S 10 | 5 13 45 | 17°46'05 | 18°18 | 5°59 | 0°54 | 3°31 | 9°25 | 14°59 | 2°35 | 13°43 | 15° 0 | 17°36 | 18°58 | 25°21 | 24°57 |
| M11 | 5 17 41 | 18°47'10 | 3♂15 | 7°31 | 1°34 | 4°18 | 9°28 | 15° 1 | 2°38 | 13°41 | 15° 1 | 17°34 | 18°55 | 25°28 | 24°56 |
| T 12 | 5 21 38 | 19°48'15 | 18°13 | 9° 3 | 2°13 | 5° 4 | 9°31 | 15° 4 | 2°42 | 13°40 | 15° 3 | 17°D33 | 18°51 | 25°35 | 24°55 |
| W13 | 5 25 34 | 20°49'21 | 3♁ 4 | 10°35 | 2°51 | 5°51 | 9°33 | 15° 6 | 2°46 | 13°38 | 15° 4 | 17°34 | 18°48 | 25°41 | 24°53 |
| T 14 | 5 29 31 | 21°50'26 | 17°42 | 12° 7 | 3°27 | 6°38 | 9°36 | 15° 9 | 2°49 | 13°36 | 15° 5 | 17°35 | 18°45 | 25°48 | 24°52 |
| F 15 | 5 33 28 | 22°51'33 | 2♁ 2 | 13°40 | 4° 2 | 7°25 | 9°38 | 15°12 | 2°53 | 13°35 | 15° 6 | 17°37 | 18°42 | 25°55 | 24°51 |
| S 16 | 5 37 24 | 23°52'39 | 16° 3 | 15°13 | 4°35 | 8°12 | 9°40 | 15°14 | 2°56 | 13°33 | 15° 8 | 17°38 | 18°39 | 26° 1 | 24°49 |
| S 17 | 5 41 21 | 24°53'46 | 29°43 | 16°46 | 5° 7 | 8°58 | 9°42 | 15°17 | 3° 0 | 13°31 | 15° 9 | 17°R38 | 18°36 | 26° 8 | 24°48 |
| M18 | 5 45 17 | 25°54'53 | 13°Y 4 | 18°19 | 5°38 | 9°45 | 9°43 | 15°20 | 3° 3 | 13°30 | 15°10 | 17°37 | 18°32 | 26°14 | 24°47 |
| T 19 | 5 49 14 | 26°56'00 | 26° 8 | 19°52 | 6° 6 | 10°32 | 9°45 | 15°24 | 3° 7 | 13°28 | 15°11 | 17°35 | 18°29 | 26°21 | 24°46 |
| W20 | 5 53 10 | 27°57'07 | 8♂55 | 21°26 | 6°33 | 11°19 | 9°46 | 15°27 | 3°10 | 13°26 | 15°12 | 17°32 | 18°26 | 26°28 | 24°45 |
| T 21 | 5 57 7 | 28°58'14 | 21°29 | 23° 0 | 6°59 | 12° 6 | 9°47 | 15°30 | 3°14 | 13°25 | 15°13 | 17°29 | 18°23 | 26°34 | 24°44 |
| F 22 | 6 1 3 | 29°59'22 | 3♍50 | 24°34 | 7°22 | 12°53 | 9°48 | 15°34 | 3°17 | 13°23 | 15°14 | 17°26 | 18°20 | 26°41 | 24°44 |
| S 23 | 6 5 0 | 1♂ 0'30 | 16° 2 | 26° 8 | 7°44 | 13°40 | 9°48 | 15°37 | 3°20 | 13°21 | 15°15 | 17°24 | 18°16 | 26°48 | 24°43 |
| S 24 | 6 8 57 | 2° 1'38 | 28° 4 | 27°42 | 8° 3 | 14°27 | 9°49 | 15°41 | 3°24 | 13°20 | 15°16 | 17°22 | 18°13 | 26°54 | 24°42 |
| M25 | 6 12 53 | 3° 2'46 | 10♄ 0 | 29°17 | 8°21 | 15°13 | 9°49 | 15°44 | 3°27 | 13°18 | 15°17 | 17°21 | 18°10 | 27° 1 | 24°41 |
| T 26 | 6 16 50 | 4° 3'55 | 21°51 | 0♂52 | 8°36 | 16° 0 | 9°R49 | 15°48 | 3°30 | 13°17 | 15°18 | 17°D21 | 18° 7 | 27° 8 | 24°41 |
| W27 | 6 20 46 | 5° 5'04 | 3♌38 | 2°27 | 8°50 | 16°47 | 9°49 | 15°52 | 3°34 | 13°15 | 15°18 | 17°22 | 18° 4 | 27°14 | 24°40 |
| T 28 | 6 24 43 | 6° 6'13 | 15°26 | 4° 3 | 9° 1 | 17°34 | 9°49 | 15°56 | 3°37 | 13°14 | 15°19 | 17°23 | 18° 1 | 27°21 | 24°40 |
| F 29 | 6 28 39 | 7° 7'22 | 27°16 | 5°39 | 9°10 | 18°21 | 9°48 | 16° 0 | 3°40 | 13°12 | 15°20 | 17°24 | 17°57 | 27°28 | 24°39 |
| S 30 | 6 32 36 | 8° 8'31 | 9♍12 | 7°15 | 9°17 | 19° 8 | 9°47 | 16° 4 | 3°43 | 13°11 | 15°21 | 17°25 | 17°54 | 27°34 | 24°39 |
| S 31 | 6 36 33 | 9♂ 9'41 | 21♍20 | 8♂52 | 9♁21 | 19♁55 | 9♍47 | 16°K 8 | 3♂47 | 13°II 9 | 15♁21 | 17♂26 | 17♂51 | 27♄41 | 24°Y39 |

Delta T = 9.80 sec.

Greg. Calendar

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