

SWISS EPHEMERIS for the year 851

JANUARY 851 C.E.JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|---------|----------|--------|--------|--------|-------|-------|-------|--------|-------|------|--------|-------|-------|-------|---|---|---|---|---|---|---|---|
| T 1 | 6 56 55 | 14°35'59 | 15M 7 | 3≈11 | 19°356 | 25H39 | 7°R11 | 20Y50 | 17°R20 | 26°52 | 4Y54 | 28°R46 | 27Y52 | 10≈31 | 4°R21 | | | | | | | | |
| F 2 | 7 0 52 | 15°59'04 | 27°43 | 3°45 | 21°11 | 26°19 | 7II 6 | 20°52 | 17°R19 | 26°54 | 4°54 | 28Y43 | 27°49 | 10°38 | 4°R20 | | | | | | | | |
| S 3 | 7 4 48 | 17° 0'07 | 10A 7 | 4°10 | 22°26 | 27° 0 | 7° 1 | 20°53 | 17°18 | 26°56 | 4°55 | 28°37 | 27°45 | 10°44 | 4°20 | | | | | | | | |
| S 4 | 7 8 45 | 18° 1'10 | 22°23 | 4°25 | 23°42 | 27°41 | 6°57 | 20°55 | 17°18 | 26°58 | 4°55 | 28°27 | 27°42 | 10°51 | 4°19 | | | | | | | | |
| M 5 | 7 12 41 | 19° 2'13 | 4°31 | 4°R28 | 24°57 | 28°21 | 6°52 | 20°57 | 17°17 | 27° 1 | 4°56 | 28°15 | 27°39 | 10°58 | 4°19 | | | | | | | | |
| T 6 | 7 16 38 | 20° 3'14 | 16°33 | 4°20 | 26°12 | 29° 2 | 6°48 | 20°59 | 17°16 | 27° 3 | 4°56 | 28° 1 | 27°36 | 11° 5 | 4°19 | | | | | | | | |
| W 7 | 7 20 34 | 21° 4'14 | 28°31 | 4° 1 | 27°28 | 29°43 | 6°44 | 21° 1 | 17°15 | 27° 5 | 4°57 | 27°46 | 27°33 | 11°11 | 4°19 | | | | | | | | |
| T 8 | 7 24 31 | 22° 5'13 | 10≈24 | 3°31 | 28°43 | 0Y23 | 6°40 | 21° 3 | 17°14 | 27° 7 | 4°57 | 27°31 | 27°30 | 11°18 | 4°19 | | | | | | | | |
| F 9 | 7 28 27 | 23° 6'11 | 22°15 | 2°50 | 29°58 | 1° 4 | 6°37 | 21° 5 | 17°14 | 27°10 | 4°58 | 27°18 | 27°26 | 11°25 | 4°D19 | | | | | | | | |
| S 10 | 7 32 24 | 24° 7'08 | 4X 6 | 1°59 | 1≈13 | 1°45 | 6°33 | 21° 8 | 17°13 | 27°12 | 4°58 | 27° 7 | 27°23 | 11°31 | 4°19 | | | | | | | | |
| S 11 | 7 36 21 | 25° 8'04 | 15°58 | 1° 0 | 2°29 | 2°25 | 6°30 | 21°10 | 17°13 | 27°14 | 4°59 | 26°59 | 27°20 | 11°38 | 4°19 | | | | | | | | |
| M12 | 7 40 17 | 26° 8'58 | 27°56 | 29°55 | 3°44 | 3° 6 | 6°27 | 21°13 | 17°12 | 27°17 | 5° 0 | 26°54 | 27°17 | 11°45 | 4°19 | | | | | | | | |
| T 13 | 7 44 14 | 27° 9'50 | 10Y 4 | 28°45 | 4°59 | 3°47 | 6°24 | 21°16 | 17°12 | 27°19 | 5° 0 | 26°52 | 27°14 | 11°52 | 4°19 | | | | | | | | |
| W14 | 7 48 10 | 28°10'41 | 22°26 | 27°33 | 6°14 | 4°27 | 6°22 | 21°19 | 17°11 | 27°21 | 5° 1 | 26°51 | 27°10 | 11°58 | 4°20 | | | | | | | | |
| T 15 | 7 52 7 | 29°11'31 | 5B 7 | 26°20 | 7°29 | 5° 8 | 6°19 | 21°21 | 17°11 | 27°23 | 5° 1 | 26°51 | 27° 7 | 12° 5 | 4°20 | | | | | | | | |
| F 16 | 7 56 3 | 0≈12'19 | 18°13 | 25° 8 | 8°45 | 5°49 | 6°17 | 21°24 | 17°11 | 27°26 | 5° 2 | 26°50 | 27° 4 | 12°12 | 4°20 | | | | | | | | |
| S 17 | 8 0 0 | 1°13'06 | 1II47 | 24° 0 | 10° 0 | 6°29 | 6°15 | 21°28 | 17°11 | 27°28 | 5° 3 | 26°48 | 27° 1 | 12°18 | 4°21 | | | | | | | | |
| S 18 | 8 3 56 | 2°13'51 | 15°52 | 22°57 | 11°15 | 7°10 | 6°13 | 21°31 | 17°10 | 27°30 | 5° 4 | 26°42 | 26°58 | 12°25 | 4°21 | | | | | | | | |
| M19 | 8 7 53 | 3°14'34 | 0B26 | 22° 0 | 12°30 | 7°50 | 6°11 | 21°34 | 17°10 | 27°32 | 5° 4 | 26°35 | 26°55 | 12°32 | 4°22 | | | | | | | | |
| T 20 | 8 11 50 | 4°15'16 | 15°25 | 21°10 | 13°45 | 8°31 | 6°10 | 21°38 | 17°10 | 27°35 | 5° 5 | 26°24 | 26°51 | 12°39 | 4°23 | | | | | | | | |
| W21 | 8 15 46 | 5°15'56 | 0A42 | 20°27 | 15° 0 | 9°12 | 6° 9 | 21°41 | 17°D10 | 27°37 | 5° 6 | 26°13 | 26°48 | 12°45 | 4°24 | | | | | | | | |
| T 22 | 8 19 43 | 6°16'35 | 16° 4 | 19°52 | 16°15 | 9°52 | 6° 8 | 21°45 | 17°10 | 27°39 | 5° 7 | 26° 2 | 26°45 | 12°52 | 4°24 | | | | | | | | |
| F 23 | 8 23 39 | 7°17'12 | 1II20 | 19°26 | 17°30 | 10°33 | 6° 7 | 21°48 | 17°10 | 27°42 | 5° 8 | 25°52 | 26°42 | 12°59 | 4°25 | | | | | | | | |
| S 24 | 8 27 36 | 8°17'48 | 16°19 | 19° 7 | 18°45 | 11°13 | 6° 6 | 21°52 | 17°10 | 27°44 | 5° 8 | 25°45 | 26°39 | 13° 6 | 4°26 | | | | | | | | |
| S 25 | 8 31 32 | 9°18'23 | 0A54 | 18°56 | 20° 0 | 11°54 | 6° 6 | 21°56 | 17°11 | 27°46 | 5° 9 | 25°40 | 26°36 | 13°12 | 4°27 | | | | | | | | |
| M26 | 8 35 29 | 10°18'56 | 15° 1 | 18°D52 | 21°15 | 12°34 | 6° 5 | 22° 0 | 17°11 | 27°48 | 5°10 | 25°38 | 26°32 | 13°19 | 4°28 | | | | | | | | |
| T 27 | 8 39 25 | 11°19'28 | 28°40 | 18°56 | 22°30 | 13°15 | 6°D 5 | 22° 4 | 17°11 | 27°50 | 5°11 | 25°D38 | 26°29 | 13°26 | 4°29 | | | | | | | | |
| W28 | 8 43 22 | 12°19'58 | 11II52 | 19° 6 | 23°45 | 13°55 | 6° 5 | 22° 8 | 17°12 | 27°53 | 5°12 | 25°R38 | 26°26 | 13°32 | 4°31 | | | | | | | | |
| T 29 | 8 47 19 | 13°20'27 | 24°42 | 19°22 | 25° 0 | 14°36 | 6° 6 | 22°13 | 17°12 | 27°55 | 5°13 | 25°37 | 26°23 | 13°39 | 4°32 | | | | | | | | |
| F 30 | 8 51 15 | 14°20'55 | 7A13 | 19°44 | 26°15 | 15°16 | 6° 6 | 22°17 | 17°12 | 27°57 | 5°14 | 25°35 | 26°20 | 13°46 | 4°33 | | | | | | | | |
| S 31 | 8 55 12 | 15≈21'22 | 19A30 | 20°11 | 27≈30 | 15Y57 | 6II 7 | 22Y21 | 17°R13 | 27°59 | 5Y15 | 25Y30 | 26Y16 | 13≈53 | 4°R35 | | | | | | | | |

Delta T = 42m42s

Julian Calendar 1 Jan. 851 == Greg. Calendar 5 Jan. 851

FEBRUARY 851 C.E.JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|--------|-------|-------|-------|-------|-------|--------|--------|------|--------|-------|-------|-------|---|---|---|---|---|---|---|---|
| S 1 | 8 59 8 | 16≈21'47 | 1°36 | 20°34 | 28≈45 | 16Y37 | 6II 8 | 22Y26 | 17°R14 | 28°3 2 | 5Y16 | 25°R22 | 26Y13 | 13≈59 | 4°R36 | | | | | | | | |
| M 2 | 9 3 5 | 17°22'10 | 13°36 | 21°21 | 29°59 | 17°17 | 6° 9 | 22°31 | 17°14 | 28° 4 | 5°17 | 25Y12 | 26°10 | 14° 6 | 4°38 | | | | | | | | |
| T 3 | 9 7 1 | 18°22'32 | 25°31 | 22° 2 | 1X14 | 17°58 | 6°11 | 22°35 | 17°15 | 28° 6 | 5°18 | 25° 0 | 26° 7 | 14°13 | 4°39 | | | | | | | | |
| W 4 | 9 10 58 | 19°22'52 | 7≈23 | 22°47 | 2°29 | 18°38 | 6°12 | 22°40 | 17°16 | 28° 8 | 5°19 | 24°47 | 26° 4 | 14°19 | 4°41 | | | | | | | | |
| T 5 | 9 14 55 | 20°23'11 | 19°15 | 23°35 | 3°44 | 19°18 | 6°14 | 22°45 | 17°16 | 28°10 | 5°20 | 24°34 | 26° 1 | 14°26 | 4°42 | | | | | | | | |
| F 6 | 9 18 51 | 21°23'27 | 1X 7 | 24°27 | 4°59 | 19°59 | 6°16 | 22°50 | 17°17 | 28°12 | 5°21 | 24°22 | 25°57 | 14°33 | 4°44 | | | | | | | | |
| S 7 | 9 22 48 | 22°23'42 | 13° 0 | 25°23 | 6°13 | 20°39 | 6°18 | 22°55 | 17°18 | 28°14 | 5°22 | 24°12 | 25°54 | 14°40 | 4°46 | | | | | | | | |
| S 8 | 9 26 44 | 23°23'55 | 24°58 | 26°21 | 7°28 | 21°19 | 6°20 | 23° 0 | 17°19 | 28°17 | 5°23 | 24° 6 | 25°51 | 14°46 | 4°48 | | | | | | | | |
| M 9 | 9 30 41 | 24°24'05 | 7Y 1 | 27°21 | 8°43 | 22° 0 | 6°23 | 23° 5 | 17°20 | 28°19 | 5°24 | 24° 2 | 25°48 | 14°53 | 4°50 | | | | | | | | |
| T 10 | 9 34 37 | 25°24'14 | 19°13 | 28°25 | 9°57 | 22°40 | 6°25 | 23°10 | 17°21 | 28°21 | 5°25 | 24°D 0 | 25°45 | 15° 0 | 4°52 | | | | | | | | |
| W11 | 9 38 34 | 26°24'20 | 1B38 | 29°30 | 11°12 | 23°20 | 6°28 | 23°16 | 17°22 | 28°23 | 5°26 | 24° 0 | 25°41 | 15° 6 | 4°54 | | | | | | | | |
| T 12 | 9 42 30 | 27°24'25 | 14°19 | 0≈38 | 12°27 | 24° 0 | 6°31 | 23°21 | 17°23 | 28°25 | 5°28 | 24° 1 | 25°38 | 15°13 | 4°56 | | | | | | | | |
| F 13 | 9 46 27 | 28°24'27 | 27°21 | 1°48 | 13°41 | 24°41 | 6°35 | 23°27 | 17°24 | 28°27 | 5°29 | 24°R 2 | 25°35 | 15°20 | 4°58 | | | | | | | | |
| S 14 | 9 50 23 | 29°24'27 | 10II47 | 3° 0 | 14°56 | 25°21 | 6°38 | 23°32 | 17°26 | 28°29 | 5°30 | 24° 1 | 25°32 | 15°27 | 5° 0 | | | | | | | | |
| S 15 | 9 54 20 | 0X24'25 | 24°40 | 4°14 | 16°10 | 26° 1 | 6°42 | 23°38 | 17°27 | 28°31 | 5°31 | 23°58 | 25°29 | 15°33 | 5° 3 | | | | | | | | |
| M16 | 9 58 17 | 1°24'20 | 9B 1 | 5°30 | 17°25 | 26°41 | 6°46 | 23°43 | 17°28 | 28°33 | 5°32 | 23°54 | 25°26 | 15°40 | 5° 5 | | | | | | | | |
| T 17 | 10 2 13 | 2°24'14 | 23°46 | 6°47 | 18°39 | 27°21 | 6°50 | 23°49 | 17°30 | 28°35 | 5°33 | 23°47 | 25°22 | 15°47 | 5° 7 | | | | | | | | |
| W18 | 10 6 10 | 3°24'05 | 8Ω51 | 8° 6 | 19°54 | 28° 1 | 6°54 | 23°55 | 17°31 | 28°37 | 5°35 | 23°39 | 25°19 | 15°53 | 5°10 | | | | | | | | |
| T 19 | 10 10 6 | 4°23'54 | 24° 6 | 9°27 | 21° 8 | 28°42 | 6°58 | 24° 1 | 17°33 | 28°39 | 5°36 | 23°32 | 25°16 | 16° 0 | 5°12 | | | | | | | | |
| F 20 | 10 14 3 | 5°23'40 | 9II21 | 10°49 | 22°22 | 29°22 | 7° 3 | 24° 7 | 17°34 | 28°41 | 5°37 | 23°25 | 25°13 | 16° 7 | 5°15 | | | | | | | | |
| S 21 | 10 17 59 | 6°23'25 | 24°25 | 12°13 | 23°37 | 0B 2 | 7° 7 | 24°13 | 17°36 | 28°43 | 5°38 | 23°20 | 25°10 | 16°14 | 5°17 | | | | | | | | |
| S 22 | 10 21 56 | 7°23'08 | 9Ω 9 | 13°38 | 24°51 | 0°42 | 7°12 | 24°19 | 17°37 | 28°45 | 5°40 | 23°17 | 25° 7 | 16°20 | 5°20 | | | | | | | | |
| M23 | 10 25 52 | 8°22'49 | 23°27 | 15° 4 | 26° 5 | 1°22 | 7°17 | 24°25 | 17°39 | 28°46 | 5°41 | 23°D16 | 25° 3 | 16°27 | 5°22 | | | | | | | | |
| T 24 | 10 29 49 | 9°22'28 | 7II16 | 16°32 | 27°20 | 2° 2 | 7°22 | 24°31 | 17°41 | 28°48 | 5°42 | 23°17 | 25° 0 | 16°34 | 5°25 | | | | | | | | |
| W25 | 10 33 46 | 10°22'05 | 20°38 | 18° 2 | 28°34 | 2°42 | 7°28 | 24°38 | 17°43 | 28°50 | 5°44 | 23°18 | 24°57 | 16°40 | 5°28 | | | | | | | | |
| T 26 | 10 37 42 | 11°21'41 | 3A13 | 19°32 | 29°48 | 3°21 | 7°33 | 24°44 | 17°44 | 28°52 | 5°45 | 23°19 | 24°54 | 16°47 | 5°31 | | | | | | | | |
| F 27 | 10 41 39 | 12°21'15 | 16° 9 | 21° 4 | 1Y 2 | 4° 1 | 7°39 | 24°50 | 17°46 | 28°54 | 5°46 | 23°R20 | 24°51 | 16°54 | 5°34 | | | | | | | | |
| S 28 | 10 45 35 | 13X20'47 | 28A26 | 22≈38 | 2Y16 | 4B41 | 7II45 | 24Y57 | 17°R48 | 28°55 | 5Y47 | 23Y18 | 24Y47 | 17≈ 1 | 5°R36 | | | | | | | | |

Delta T = 42m41s

Julian Calendar

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SWISS EPHEMERIS for the year 851

MARCH 851 C.E.JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|-----------------------|--------------------|--------------------|--------------------|-------------------|---------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|---|---|
| S 1 | 10 49 32 | 14 X 20'17 | 10 Z 31 | 24 ≈ 12 | 3 Y 30 | 5 B 21 | 7 II 51 | 25 Y 3 | 17 B 50 | 28 Z 57 | 5 Y 49 | 23 R 15 | 24 Y 44 | 17 ≈ 7 | 5 B 39 | | |
| M 2 | 10 53 28 | 15°19'45 | 22°27 | 25°48 | 4°44 | 6° 1 | 7°57 | 25°10 | 17°52 | 28°59 | 5°50 | 23 Y 10 | 24°41 | 17°14 | 5°42 | | |
| T 3 | 10 57 25 | 16°19'12 | 4 ≈ 19 | 27°26 | 5°58 | 6°41 | 8° 3 | 25°16 | 17°54 | 29° 1 | 5°51 | 23° 4 | 24°38 | 17°21 | 5°45 | | |
| W 4 | 11 1 21 | 17°18'36 | 16°10 | 29° 4 | 7°12 | 7°21 | 8°10 | 25°23 | 17°56 | 29° 2 | 5°53 | 22°58 | 24°35 | 17°27 | 5°49 | | |
| T 5 | 11 5 18 | 18°17'59 | 28° 2 | 0 X 44 | 8°26 | 8° 0 | 8°16 | 25°30 | 17°58 | 29° 4 | 5°54 | 22°51 | 24°32 | 17°34 | 5°52 | | |
| F 6 | 11 9 15 | 19°17'19 | 9 X 57 | 2°26 | 9°40 | 8°40 | 8°23 | 25°36 | 18° 0 | 29° 6 | 5°56 | 22°45 | 24°28 | 17°41 | 5°55 | | |
| S 7 | 11 13 11 | 20°16'37 | 21°57 | 4° 8 | 10°54 | 9°20 | 8°30 | 25°43 | 18° 3 | 29° 7 | 5°57 | 22°40 | 24°25 | 17°48 | 5°58 | | |
| S 8 | 11 17 8 | 21°15'54 | 4 Y 4 | 5°52 | 12° 8 | 10° 0 | 8°37 | 25°50 | 18° 5 | 29° 9 | 5°58 | 22°37 | 24°22 | 17°54 | 6° 1 | | |
| M 9 | 11 21 4 | 22°15'08 | 16°19 | 7°38 | 13°22 | 10°39 | 8°44 | 25°57 | 18° 7 | 29°10 | 6° 0 | 22°35 | 24°19 | 18° 1 | 6° 5 | | |
| T 10 | 11 25 1 | 23°14'20 | 28°44 | 9°24 | 14°36 | 11°19 | 8°52 | 26° 4 | 18° 9 | 29°12 | 6° 1 | 22°D35 | 24°16 | 18° 8 | 6° 8 | | |
| W11 | 11 28 57 | 24°13'29 | 11 B 21 | 11°13 | 15°49 | 11°59 | 8°59 | 26°11 | 18°12 | 29°13 | 6° 2 | 22°36 | 24°13 | 18°14 | 6°11 | | |
| T 12 | 11 32 54 | 25°12'37 | 24°12 | 13° 2 | 17° 3 | 12°38 | 9° 7 | 26°18 | 18°14 | 29°15 | 6° 4 | 22°38 | 24° 9 | 18°21 | 6°15 | | |
| F 13 | 11 36 50 | 26°11'42 | 7 II 19 | 14°53 | 18°17 | 13°18 | 9°15 | 26°25 | 18°17 | 29°16 | 6° 5 | 22°40 | 24° 6 | 18°28 | 6°18 | | |
| S 14 | 11 40 47 | 27°10'45 | 20°46 | 16°45 | 19°30 | 13°58 | 9°23 | 26°32 | 18°19 | 29°18 | 6° 7 | 22°R41 | 24° 3 | 18°35 | 6°22 | | |
| S 15 | 11 44 44 | 28° 9'45 | 4 B 33 | 18°39 | 20°44 | 14°37 | 9°31 | 26°39 | 18°21 | 29°19 | 6° 8 | 22°41 | 24° 0 | 18°41 | 6°25 | | |
| M16 | 11 48 40 | 29° 8'44 | 18°41 | 20°34 | 21°58 | 15°17 | 9°39 | 26°46 | 18°24 | 29°21 | 6° 9 | 22°39 | 23°57 | 18°48 | 6°29 | | |
| T 17 | 11 52 37 | 0 Y 7'39 | 3 Ω 8 | 22°31 | 23°11 | 15°56 | 9°47 | 26°54 | 18°27 | 29°22 | 6°11 | 22°37 | 23°53 | 18°55 | 6°32 | | |
| W18 | 11 56 33 | 1° 6'33 | 17°51 | 24°29 | 24°25 | 16°36 | 9°56 | 27° 1 | 18°29 | 29°23 | 6°12 | 22°35 | 23°50 | 19° 1 | 6°36 | | |
| T 19 | 12 0 30 | 2° 5'24 | 2 Π 44 | 26°28 | 25°38 | 17°15 | 10° 4 | 27° 8 | 18°32 | 29°24 | 6°14 | 22°32 | 23°47 | 19° 8 | 6°39 | | |
| F 20 | 12 4 26 | 3° 4'12 | 17°40 | 28°29 | 26°51 | 17°55 | 10°13 | 27°15 | 18°35 | 29°26 | 6°15 | 22°29 | 23°44 | 19°15 | 6°43 | | |
| S 21 | 12 8 23 | 4° 2'59 | 2 Ω 30 | 0 Y 30 | 28° 5 | 18°34 | 10°22 | 27°23 | 18°37 | 29°27 | 6°16 | 22°28 | 23°41 | 19°21 | 6°47 | | |
| S 22 | 12 12 19 | 5° 1'43 | 17° 6 | 2°33 | 29°18 | 19°14 | 10°31 | 27°30 | 18°40 | 29°28 | 6°18 | 22°D27 | 23°38 | 19°28 | 6°50 | | |
| M23 | 12 16 16 | 6° 0'26 | 1 Π 23 | 4°38 | 0 B 31 | 19°53 | 10°40 | 27°37 | 18°43 | 29°29 | 6°19 | 22°27 | 23°34 | 19°35 | 6°54 | | |
| T 24 | 12 20 13 | 6°59'07 | 15°15 | 6°43 | 1°44 | 20°32 | 10°49 | 27°45 | 18°46 | 29°30 | 6°21 | 22°28 | 23°31 | 19°42 | 6°58 | | |
| W25 | 12 24 9 | 7°57'46 | 28°43 | 8°48 | 2°58 | 21°12 | 10°58 | 27°52 | 18°48 | 29°32 | 6°22 | 22°29 | 23°28 | 19°48 | 7° 2 | | |
| T 26 | 12 28 6 | 8°56'23 | 11 A 45 | 10°55 | 4°11 | 21°51 | 11° 7 | 28° 0 | 18°51 | 29°33 | 6°24 | 22°30 | 23°25 | 19°55 | 7° 6 | | |
| F 27 | 12 32 2 | 9°54'58 | 24°26 | 13° 2 | 5°24 | 22°30 | 11°17 | 28° 7 | 18°54 | 29°34 | 6°25 | 22°31 | 23°22 | 20° 2 | 7° 9 | | |
| S 28 | 12 35 59 | 10°53'32 | 6 Z 48 | 15° 9 | 6°37 | 23°10 | 11°27 | 28°15 | 18°57 | 29°35 | 6°26 | 22°R32 | 23°18 | 20° 8 | 7°13 | | |
| S 29 | 12 39 55 | 11°52'04 | 18°55 | 17°16 | 7°50 | 23°49 | 11°36 | 28°22 | 19° 0 | 29°36 | 6°28 | 22°31 | 23°15 | 20°15 | 7°17 | | |
| M30 | 12 43 52 | 12°50'35 | 0 ≈ 53 | 19°23 | 9° 3 | 24°28 | 11°46 | 28°30 | 19° 3 | 29°37 | 6°29 | 22°31 | 23°12 | 20°22 | 7°21 | | |
| T 31 | 12 47 48 | 13 Y 49'03 | 12 ≈ 45 | 21 Y 29 | 10 B 16 | 25 B 7 | 11 II 56 | 28 Y 37 | 19 B 6 | 29 Z 38 | 6 Y 31 | 22 Y 30 | 23 Y 9 | 20 ≈ 29 | 7 B 25 | | |

Delta T = 42m41s Julian Calendar 1 March 851 == Greg. Calendar 5 March 851

APRIL 851 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ |
|------|----------|-----------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|---|
| W 1 | 12 51 45 | 14 Y 47'30 | 24 ≈ 36 | 23 Y 35 | 11 B 29 | 25 B 46 | 12 II 6 | 28 Y 45 | 19 B 9 | 29 Z 39 | 6 Y 32 | 22°R29 | 23 Y 6 | 20 ≈ 35 | 7 B 29 | |
| T 2 | 12 55 42 | 15°45'56 | 6 X 29 | 25°39 | 12°41 | 26°26 | 12°16 | 28°53 | 19°12 | 29°39 | 6°33 | 22 Y 28 | 23° 3 | 20°42 | 7°33 | |
| F 3 | 12 59 38 | 16°44'19 | 18°29 | 27°41 | 13°54 | 27° 5 | 12°26 | 29° 0 | 19°15 | 29°40 | 6°35 | 22°27 | 22°59 | 20°49 | 7°37 | |
| S 4 | 13 3 35 | 17°42'41 | 0 Y 37 | 29°42 | 15° 7 | 27°44 | 12°37 | 29° 8 | 19°18 | 29°41 | 6°36 | 22°27 | 22°56 | 20°55 | 7°41 | |
| S 5 | 13 7 31 | 18°41'01 | 12°55 | 1 B 41 | 16°20 | 28°23 | 12°47 | 29°16 | 19°21 | 29°42 | 6°38 | 22°26 | 22°53 | 21° 2 | 7°45 | |
| M 6 | 13 11 28 | 19°39'19 | 25°26 | 3°37 | 17°32 | 29° 2 | 12°58 | 29°23 | 19°24 | 29°43 | 6°39 | 22°D26 | 22°50 | 21° 9 | 7°49 | |
| T 7 | 13 15 24 | 20°37'35 | 8 B 9 | 5°30 | 18°45 | 29°41 | 13° 8 | 29°31 | 19°28 | 29°43 | 6°40 | 22°26 | 22°47 | 21°16 | 7°53 | |
| W 8 | 13 19 21 | 21°35'49 | 21° 6 | 7°20 | 19°57 | 0 II 20 | 13°19 | 29°39 | 19°31 | 29°44 | 6°42 | 22°26 | 22°44 | 21°22 | 7°57 | |
| T 9 | 13 23 17 | 22°34'02 | 4 II 17 | 9° 8 | 21°10 | 0°59 | 13°30 | 29°47 | 19°34 | 29°45 | 6°43 | 22°R27 | 22°40 | 21°29 | 8° 2 | |
| F 10 | 13 27 14 | 23°32'13 | 17°42 | 10°52 | 22°22 | 1°38 | 13°40 | 29°54 | 19°37 | 29°45 | 6°45 | 22°26 | 22°37 | 21°36 | 8° 6 | |
| S 11 | 13 31 11 | 24°30'21 | 1 B 21 | 12°32 | 23°35 | 2°17 | 13°51 | 0 B 2 | 19°40 | 29°46 | 6°46 | 22°26 | 22°34 | 21°42 | 8°10 | |
| S 12 | 13 35 7 | 25°28'28 | 15°12 | 14° 9 | 24°47 | 2°56 | 14° 2 | 0°10 | 19°44 | 29°46 | 6°47 | 22°26 | 22°31 | 21°49 | 8°14 | |
| M13 | 13 39 4 | 26°26'32 | 29°16 | 15°42 | 25°59 | 3°35 | 14°14 | 0°18 | 19°47 | 29°47 | 6°49 | 22°D26 | 22°28 | 21°56 | 8°18 | |
| T 14 | 13 43 0 | 27°24'35 | 13 Ω 31 | 17°11 | 27°11 | 4°14 | 14°25 | 0°25 | 19°50 | 29°47 | 6°50 | 22°26 | 22°24 | 22° 2 | 8°22 | |
| W15 | 13 46 57 | 28°22'35 | 27°54 | 18°36 | 28°24 | 4°53 | 14°36 | 0°33 | 19°54 | 29°48 | 6°51 | 22°27 | 22°21 | 22° 9 | 8°26 | |
| T 16 | 13 50 53 | 29°20'34 | 12 Π 22 | 19°57 | 29°36 | 5°32 | 14°47 | 0°41 | 19°57 | 29°48 | 6°53 | 22°27 | 22°18 | 22°16 | 8°31 | |
| F 17 | 13 54 50 | 0 B 18'30 | 26°50 | 21°14 | 0 II 48 | 6°11 | 14°59 | 0°49 | 20° 0 | 29°49 | 6°54 | 22°28 | 22°15 | 22°23 | 8°35 | |
| S 18 | 13 58 46 | 1°16'25 | 11 Ω 15 | 22°27 | 2° 0 | 6°50 | 15°10 | 0°56 | 20° 4 | 29°49 | 6°55 | 22°28 | 22°12 | 22°29 | 8°39 | |
| S 19 | 14 2 43 | 2°14'18 | 25°30 | 23°35 | 3°12 | 7°29 | 15°22 | 1° 4 | 20° 7 | 29°49 | 6°57 | 22°R28 | 22° 9 | 22°36 | 8°43 | |
| M20 | 14 6 39 | 3°12'10 | 9 Π 31 | 24°40 | 4°24 | 8° 7 | 15°33 | 1°12 | 20°10 | 29°50 | 6°58 | 22°28 | 22° 5 | 22°43 | 8°48 | |
| T 21 | 14 10 36 | 4°10'00 | 23°14 | 25°40 | 5°35 | 8°46 | 15°45 | 1°20 | 20°14 | 29°50 | 6°59 | 22°27 | 22° 2 | 22°49 | 8°52 | |
| W22 | 14 14 33 | 5° 7'49 | 6 A 37 | 26°35 | 6°47 | 9°25 | 15°57 | 1°27 | 20°17 | 29°50 | 7° 0 | 22°26 | 21°59 | 22°56 | 8°56 | |
| T 23 | 14 18 29 | 6° 5'36 | 19°40 | 27°26 | 7°59 | 10° 4 | 16° 9 | 1°35 | 20°21 | 29°50 | 7° 2 | 22°24 | 21°56 | 23° 3 | 9° 0 | |
| F 24 | 14 22 26 | 7° 3'22 | 2 Z 22 | 28°12 | 9°10 | 10°43 | 16°21 | 1°43 | 20°24 | 29°51 | 7° 3 | 22°22 | 21°53 | 23° 9 | 9° 5 | |
| S 25 | 14 26 22 | 8° 1'07 | 14°46 | 28°54 | 10°22 | 11°21 | 16°33 | 1°51 | 20°28 | 29°51 | 7° 4 | 22°20 | 21°50 | 23°16 | 9° 9 | |
| S 26 | 14 30 19 | 8°58'51 | 26°56 | 29°31 | 11°33 | 12° 0 | 16°45 | 1°58 | 20°31 | 29°51 | 7° 5 | 22°19 | 21°46 | 23°23 | 9°13 | |
| M27 | 14 34 15 | 9°56'33 | 8 ≈ 55 | 0 II 3 | 12°45 | 12°39 | 16°57 | 2° 6 | 20°34 | 29°51 | 7° 7 | 22°D19 | 21°43 | 23°30 | 9°17 | |
| T 28 | 14 38 12 | 10°54'14 | 20°48 | 0°31 | 13°56 | 13°17 | 17° 9 | 2°14 | 20°38 | 29°R51 | 7° 8 | 22°19 | 21°40 | 23°36 | 9°22 | |
| W29 | 14 42 9 | 11°51'55 | 2 X 40 | 0°53 | 15° 8 | 13°56 | 17°21 | 2°22 | 20°41 | 29°51 | 7° 9 | 22°20 | 21°37 | 23°43 | 9°26 | |
| T 30 | 14 46 5 | 12 B 49'34 | 14 X 35 | 1 II 11 | 16 II 19 | 14 II 35 | 17 II 33 | 2 B 29 | 20 B 45 | 29 Z 51 | 7 Y 10 | 22 Y 21 | 21 Y 34 | 23 ≈ 50 | 9 B 30 | |

Delta T = 42m40s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 851

MAY 851 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|--------|--------|-------|-------|-------|------|-------|--------|-------|--------|--------|-------|-------|
| F 1 | 14 50 2 | 13♁47'12 | 26♁38 | 1♁24 | 17♁30 | 15♁13 | 17♁46 | 2♁37 | 20♁48 | 29°R51 | 7°V11 | 22°V23 | 21°V30 | 23♁56 | 9♁34 |
| S 2 | 14 53 58 | 14°44'48 | 8°V53 | 1°33 | 18°41 | 15°52 | 17°58 | 2°45 | 20°52 | 29°S51 | 7°13 | 22°24 | 21°27 | 24° 3 | 9°39 |
| S 3 | 14 57 55 | 15°42'24 | 21°22 | 1°R36 | 19°52 | 16°30 | 18°11 | 2°52 | 20°55 | 29°51 | 7°14 | 22°R25 | 21°24 | 24°10 | 9°43 |
| M 4 | 15 1 51 | 16°39'59 | 4♁ 7 | 1°35 | 21° 3 | 17° 9 | 18°23 | 3° 0 | 20°59 | 29°50 | 7°15 | 22°24 | 21°21 | 24°17 | 9°47 |
| T 5 | 15 5 48 | 17°37'33 | 17°11 | 1°29 | 22°14 | 17°48 | 18°36 | 3° 7 | 21° 2 | 29°50 | 7°16 | 22°23 | 21°18 | 24°23 | 9°51 |
| W 6 | 15 9 44 | 18°35'05 | 0♁32 | 1°19 | 23°25 | 18°26 | 18°48 | 3°15 | 21° 6 | 29°50 | 7°17 | 22°20 | 21°15 | 24°30 | 9°55 |
| T 7 | 15 13 41 | 19°32'36 | 14° 8 | 1° 5 | 24°36 | 19° 5 | 19° 1 | 3°23 | 21° 9 | 29°50 | 7°18 | 22°16 | 21°11 | 24°37 | 10° 0 |
| F 8 | 15 17 38 | 20°30'07 | 27°58 | 0°47 | 25°47 | 19°43 | 19°14 | 3°30 | 21°13 | 29°49 | 7°19 | 22°12 | 21° 8 | 24°43 | 10° 4 |
| S 9 | 15 21 34 | 21°27'36 | 11♁58 | 0°26 | 26°57 | 20°22 | 19°26 | 3°38 | 21°17 | 29°49 | 7°20 | 22° 8 | 21° 5 | 24°50 | 10° 8 |
| S 10 | 15 25 31 | 22°25'03 | 26° 6 | 0° 1 | 28° 8 | 21° 0 | 19°39 | 3°45 | 21°20 | 29°49 | 7°22 | 22° 5 | 21° 2 | 24°57 | 10°12 |
| M11 | 15 29 27 | 23°22'30 | 10♁17 | 29♁33 | 29°19 | 21°39 | 19°52 | 3°53 | 21°24 | 29°48 | 7°23 | 22° 3 | 20°59 | 25° 3 | 10°16 |
| T 12 | 15 33 24 | 24°19'54 | 24°30 | 29° 4 | 0♁29 | 22°17 | 20° 5 | 4° 0 | 21°27 | 29°48 | 7°24 | 22°D 2 | 20°56 | 25°10 | 10°21 |
| W13 | 15 37 20 | 25°17'18 | 8♁41 | 28°32 | 1°39 | 22°56 | 20°18 | 4° 8 | 21°31 | 29°47 | 7°25 | 22° 3 | 20°52 | 25°17 | 10°25 |
| T 14 | 15 41 17 | 26°14'40 | 22°50 | 27°59 | 2°50 | 23°34 | 20°30 | 4°15 | 21°34 | 29°47 | 7°26 | 22° 4 | 20°49 | 25°24 | 10°29 |
| F 15 | 15 45 13 | 27°12'01 | 6♁54 | 27°26 | 4° 0 | 24°13 | 20°43 | 4°22 | 21°38 | 29°46 | 7°27 | 22° 6 | 20°46 | 25°30 | 10°33 |
| S 16 | 15 49 10 | 28° 9'21 | 20°51 | 26°52 | 5°10 | 24°51 | 20°56 | 4°30 | 21°41 | 29°46 | 7°28 | 22°R 6 | 20°43 | 25°37 | 10°37 |
| S 17 | 15 53 7 | 29° 6'40 | 4♁39 | 26°19 | 6°20 | 25°29 | 21° 9 | 4°37 | 21°45 | 29°45 | 7°29 | 22° 6 | 20°40 | 25°44 | 10°41 |
| M18 | 15 57 3 | 0♁3'58 | 18°17 | 25°47 | 7°30 | 26° 8 | 21°23 | 4°44 | 21°48 | 29°45 | 7°29 | 22° 3 | 20°36 | 25°50 | 10°45 |
| T 19 | 16 1 0 | 1° 1'16 | 1♁41 | 25°17 | 8°40 | 26°46 | 21°36 | 4°52 | 21°52 | 29°44 | 7°30 | 21°59 | 20°33 | 25°57 | 10°49 |
| W20 | 16 4 56 | 1°58'32 | 14°51 | 24°48 | 9°49 | 27°25 | 21°49 | 4°59 | 21°55 | 29°44 | 7°31 | 21°53 | 20°30 | 26° 4 | 10°54 |
| T 21 | 16 8 53 | 2°55'48 | 27°44 | 24°22 | 10°59 | 28° 3 | 22° 2 | 5° 6 | 21°59 | 29°43 | 7°32 | 21°47 | 20°27 | 26°10 | 10°58 |
| F 22 | 16 12 49 | 3°53'04 | 10♁21 | 24° 0 | 12° 9 | 28°41 | 22°15 | 5°13 | 22° 2 | 29°42 | 7°33 | 21°39 | 20°24 | 26°17 | 11° 2 |
| S 23 | 16 16 46 | 4°50'19 | 22°43 | 23°40 | 13°18 | 29°20 | 22°28 | 5°20 | 22° 5 | 29°41 | 7°34 | 21°33 | 20°21 | 26°24 | 11° 6 |
| S 24 | 16 20 42 | 5°47'33 | 4♁52 | 23°25 | 14°27 | 29°58 | 22°42 | 5°28 | 22° 9 | 29°41 | 7°35 | 21°27 | 20°17 | 26°30 | 11°10 |
| M25 | 16 24 39 | 6°44'47 | 16°50 | 23°13 | 15°37 | 0♁36 | 22°55 | 5°35 | 22°12 | 29°40 | 7°36 | 21°23 | 20°14 | 26°37 | 11°14 |
| T 26 | 16 28 36 | 7°42'01 | 28°43 | 23° 6 | 16°46 | 1°14 | 23° 8 | 5°42 | 22°16 | 29°39 | 7°36 | 21°21 | 20°11 | 26°44 | 11°17 |
| W27 | 16 32 32 | 8°39'14 | 10♁35 | 23°D 3 | 17°55 | 1°53 | 23°21 | 5°49 | 22°19 | 29°38 | 7°37 | 21°D20 | 20° 8 | 26°51 | 11°21 |
| T 28 | 16 36 29 | 9°36'27 | 22°30 | 23° 4 | 19° 4 | 2°31 | 23°35 | 5°56 | 22°23 | 29°37 | 7°38 | 21°21 | 20° 5 | 26°57 | 11°25 |
| F 29 | 16 40 25 | 10°33'40 | 4°V33 | 23°10 | 20°13 | 3° 9 | 23°48 | 6° 2 | 22°26 | 29°36 | 7°39 | 21°22 | 20° 2 | 27° 4 | 11°29 |
| S 30 | 16 44 22 | 11°30'53 | 16°51 | 23°21 | 21°21 | 3°48 | 24° 1 | 6° 9 | 22°29 | 29°35 | 7°39 | 21°R23 | 19°58 | 27°11 | 11°33 |
| S 31 | 16 48 18 | 12♁28'05 | 29°V26 | 23♁37 | 22♁30 | 4♁26 | 24♁15 | 6♁16 | 22♁33 | 29♁34 | 7°V40 | 21°V23 | 19°V55 | 27♁17 | 11♁37 |

Delta T = 42m40s

Julian Calendar 1 May 851 == Greg. Calendar 5 May 851

JUNE 851 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|-------|-------|-------|-------|-------|------|-------|--------|-------|--------|--------|-------|-------|
| M 1 | 16 52 15 | 13♁25'17 | 12♁23 | 23♁57 | 23♁39 | 5♁ 4 | 24♁28 | 6♁23 | 22♁36 | 29°R33 | 7°V41 | 21°R21 | 19°V52 | 27♁24 | 11♁41 |
| T 2 | 16 56 11 | 14°22'30 | 25°42 | 24°21 | 24°47 | 5°42 | 24°42 | 6°30 | 22°39 | 29°S32 | 7°42 | 21°V17 | 19°49 | 27°31 | 11°44 |
| W 3 | 17 0 8 | 15°19'42 | 9♁23 | 24°51 | 25°55 | 6°20 | 24°55 | 6°36 | 22°43 | 29°31 | 7°42 | 21°11 | 19°46 | 27°37 | 11°48 |
| T 4 | 17 4 5 | 16°16'54 | 23°25 | 25°25 | 27° 4 | 6°59 | 25° 9 | 6°43 | 22°46 | 29°30 | 7°43 | 21° 3 | 19°42 | 27°44 | 11°52 |
| F 5 | 17 8 1 | 17°14'05 | 7♁42 | 26° 3 | 28°12 | 7°37 | 25°22 | 6°49 | 22°49 | 29°29 | 7°43 | 20°54 | 19°39 | 27°51 | 11°56 |
| S 6 | 17 11 58 | 18°11'17 | 22° 9 | 26°46 | 29°20 | 8°15 | 25°36 | 6°56 | 22°53 | 29°28 | 7°44 | 20°45 | 19°36 | 27°58 | 11°59 |
| S 7 | 17 15 54 | 19° 8'27 | 6♁40 | 27°33 | 0♁27 | 8°53 | 25°49 | 7° 2 | 22°56 | 29°27 | 7°45 | 20°38 | 19°33 | 28° 4 | 12° 3 |
| M 8 | 17 19 51 | 20° 5'38 | 21° 8 | 28°25 | 1°35 | 9°32 | 26° 3 | 7° 9 | 22°59 | 29°26 | 7°45 | 20°33 | 19°30 | 28°11 | 12° 6 |
| T 9 | 17 23 47 | 21° 2'48 | 5♁29 | 29°21 | 2°43 | 10°10 | 26°16 | 7°15 | 23° 2 | 29°25 | 7°46 | 20°30 | 19°27 | 28°18 | 12°10 |
| W10 | 17 27 44 | 21°59'58 | 19°40 | 0♁21 | 3°50 | 10°48 | 26°30 | 7°22 | 23° 6 | 29°24 | 7°46 | 20°D29 | 19°23 | 28°24 | 12°14 |
| T 11 | 17 31 40 | 22°57'07 | 3♁40 | 1°25 | 4°57 | 11°26 | 26°43 | 7°28 | 23° 9 | 29°22 | 7°47 | 20°29 | 19°20 | 28°31 | 12°17 |
| F 12 | 17 35 37 | 23°54'16 | 17°28 | 2°33 | 6° 5 | 12° 4 | 26°57 | 7°34 | 23°12 | 29°21 | 7°47 | 20°R30 | 19°17 | 28°38 | 12°20 |
| S 13 | 17 39 34 | 24°51'24 | 1♁ 4 | 3°46 | 7°12 | 12°42 | 27°10 | 7°40 | 23°15 | 29°20 | 7°48 | 20°29 | 19°14 | 28°44 | 12°24 |
| S 14 | 17 43 30 | 25°48'33 | 14°29 | 5° 2 | 8°18 | 13°21 | 27°24 | 7°46 | 23°18 | 29°19 | 7°48 | 20°27 | 19°11 | 28°51 | 12°27 |
| M15 | 17 47 27 | 26°45'41 | 27°43 | 6°22 | 9°25 | 13°59 | 27°37 | 7°52 | 23°21 | 29°17 | 7°49 | 20°22 | 19° 8 | 28°58 | 12°31 |
| T 16 | 17 51 23 | 27°42'50 | 10♁46 | 7°47 | 10°32 | 14°37 | 27°51 | 7°58 | 23°24 | 29°16 | 7°49 | 20°15 | 19° 4 | 29° 4 | 12°34 |
| W17 | 17 55 20 | 28°39'58 | 23°37 | 9°15 | 11°38 | 15°15 | 28° 4 | 8° 4 | 23°27 | 29°15 | 7°49 | 20° 5 | 19° 1 | 29°11 | 12°37 |
| T 18 | 17 59 16 | 29°37'07 | 6♁15 | 10°46 | 12°44 | 15°53 | 28°18 | 8°10 | 23°30 | 29°13 | 7°50 | 19°53 | 18°58 | 29°18 | 12°41 |
| F 19 | 18 3 13 | 0♁34'16 | 18°42 | 12°22 | 13°50 | 16°31 | 28°31 | 8°16 | 23°33 | 29°12 | 7°50 | 19°41 | 18°55 | 29°25 | 12°44 |
| S 20 | 18 7 10 | 1°31'26 | 0♁56 | 14° 1 | 14°56 | 17° 9 | 28°45 | 8°21 | 23°36 | 29°11 | 7°50 | 19°30 | 18°52 | 29°31 | 12°47 |
| S 21 | 18 11 6 | 2°28'35 | 13° 0 | 15°43 | 16° 2 | 17°47 | 28°58 | 8°27 | 23°39 | 29° 9 | 7°51 | 19°20 | 18°48 | 29°38 | 12°50 |
| M22 | 18 15 3 | 3°25'45 | 24°56 | 17°29 | 17° 7 | 18°25 | 29°12 | 8°33 | 23°42 | 29° 8 | 7°51 | 19°12 | 18°45 | 29°45 | 12°53 |
| T 23 | 18 18 59 | 4°22'56 | 6♁47 | 19°18 | 18°12 | 19° 4 | 29°25 | 8°38 | 23°45 | 29° 6 | 7°51 | 19° 6 | 18°42 | 29°51 | 12°56 |
| W24 | 18 22 56 | 5°20'07 | 18°36 | 21°11 | 19°17 | 19°42 | 29°39 | 8°44 | 23°48 | 29° 5 | 7°51 | 19° 3 | 18°39 | 29°58 | 12°59 |
| T 25 | 18 26 52 | 6°17'19 | 0°V30 | 23° 5 | 20°22 | 20°20 | 29°52 | 8°49 | 23°51 | 29° 3 | 7°52 | 19° 2 | 18°36 | 0♁ 5 | 13° 2 |
| F 26 | 18 30 49 | 7°14'32 | 12°32 | 25° 3 | 21°27 | 20°58 | 0♁ 6 | 8°54 | 23°53 | 29° 2 | 7°52 | 19° 2 | 18°33 | 0°11 | 13° 5 |
| S 27 | 18 34 45 | 8°11'45 | 24°49 | 27° 2 | 22°31 | 21°36 | 0°19 | 8°59 | 23°56 | 29° 0 | 7°52 | 19° 2 | 18°29 | 0°18 | 13° 8 |
| S 28 | 18 38 42 | 9° 8'59 | 7♁25 | 29° 4 | 23°36 | 22°14 | 0°33 | 9° 5 | 23°59 | 28°59 | 7°52 | 19° 1 | 18°26 | 0°25 | 13°11 |
| M29 | 18 42 39 | 10° 6'14 | 20°25 | 1♁ 8 | 24°40 | 22°52 | 0°46 | 9°10 | 24° 1 | 28°57 | 7°52 | 18°58 | 18°23 | 0°31 | 13°14 |
| T 30 | 18 46 35 | 11♁3'30 | 3♁51 | 3♁12 | 25♁04 | 23♁30 | 0♁59 | 9♁15 | 24♁ 4 | 28♁56 | 7°V52 | 18°V52 | 18°V20 | 0♁38 | 13♁16 |

Delta T = 42m39s

Julian Calendar

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SWISS EPHEMERIS for the year 851

JULY 851 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|--------|--------|--------|--------|-------|--------|--------|--------|-------|--------|--------|-------|--------|
| W 1 | 18 50 32 | 12°04' | 17°45' | 5°18' | 26°47' | 24°08' | 1°13' | 9°20' | 24°07' | 28°R54 | 7°V53 | 18°R44 | 18°V17 | 0°K45 | 13°B19 |
| T 2 | 18 54 28 | 12°58'04 | 2°04' | 7°25' | 27°51' | 24°46' | 1°26' | 9°24' | 24°09' | 28°S53 | 7°V53 | 18°V34 | 18°14' | 0°52' | 13°22' |
| F 3 | 18 58 25 | 13°55'23 | 16°43' | 9°32' | 28°54' | 25°25' | 1°40' | 9°29' | 24°12' | 28°51' | 7°53' | 18°23' | 18°10' | 0°58' | 13°24' |
| S 4 | 19 2 21 | 14°52'42 | 1°L34 | 11°39' | 29°57' | 26°03' | 1°53' | 9°34' | 24°14' | 28°50' | 7°R53 | 18°12' | 18°07' | 1°05' | 13°27' |
| S 5 | 19 6 18 | 15°50'01 | 16°29' | 13°46' | 0°M59 | 26°41' | 2°06' | 9°39' | 24°17' | 28°48' | 7°53' | 18°02' | 18°04' | 1°12' | 13°29' |
| M 6 | 19 10 14 | 16°47'21 | 1°M19 | 15°53' | 2°02' | 27°19' | 2°19' | 9°43' | 24°19' | 28°47' | 7°53' | 17°55' | 18°01' | 1°18' | 13°32' |
| T 7 | 19 14 11 | 17°44'42 | 15°56' | 17°59' | 3°04' | 27°57' | 2°33' | 9°48' | 24°22' | 28°45' | 7°53' | 17°51' | 17°58' | 1°25' | 13°34' |
| W 8 | 19 18 8 | 18°42'03 | 0°A17 | 20°04' | 4°06' | 28°35' | 2°46' | 9°52' | 24°24' | 28°43' | 7°52' | 17°48' | 17°54' | 1°32' | 13°37' |
| T 9 | 19 22 4 | 19°39'24 | 14°19' | 22°09' | 5°07' | 29°13' | 2°59' | 9°56' | 24°27' | 28°42' | 7°52' | 17°48' | 17°51' | 1°38' | 13°39' |
| F 10 | 19 26 1 | 20°36'46 | 28°02' | 24°12' | 6°09' | 29°51' | 3°12' | 10°00' | 24°29' | 28°40' | 7°52' | 17°48' | 17°48' | 1°45' | 13°41' |
| S 11 | 19 29 57 | 21°34'09 | 11°M27 | 26°14' | 7°09' | 0°L29 | 3°26' | 10°05' | 24°31' | 28°38' | 7°52' | 17°47' | 17°45' | 1°52' | 13°43' |
| S 12 | 19 33 54 | 22°31'33 | 24°37' | 28°15' | 8°10' | 1°07' | 3°39' | 10°09' | 24°33' | 28°37' | 7°52' | 17°44' | 17°42' | 1°58' | 13°45' |
| M 13 | 19 37 50 | 23°28'57 | 7°A33 | 0°L14 | 9°10' | 1°46' | 3°52' | 10°13' | 24°36' | 28°35' | 7°52' | 17°39' | 17°39' | 2°05' | 13°48' |
| T 14 | 19 41 47 | 24°26'22 | 20°17' | 2°12' | 10°10' | 2°24' | 4°05' | 10°16' | 24°38' | 28°34' | 7°52' | 17°30' | 17°35' | 2°12' | 13°50' |
| W 15 | 19 45 43 | 25°23'49 | 2°S50 | 4°08' | 11°10' | 3°02' | 4°18' | 10°20' | 24°40' | 28°32' | 7°51' | 17°20' | 17°32' | 2°18' | 13°52' |
| T 16 | 19 49 40 | 26°21'16 | 15°13' | 6°03' | 12°09' | 3°40' | 4°31' | 10°24' | 24°42' | 28°30' | 7°51' | 17°07' | 17°29' | 2°25' | 13°53' |
| F 17 | 19 53 37 | 27°18'44 | 27°27' | 7°57' | 13°08' | 4°18' | 4°44' | 10°27' | 24°44' | 28°29' | 7°51' | 16°54' | 17°26' | 2°32' | 13°55' |
| S 18 | 19 57 33 | 28°16'13 | 9°A32 | 9°48' | 14°06' | 4°56' | 4°57' | 10°31' | 24°46' | 28°27' | 7°51' | 16°41' | 17°23' | 2°39' | 13°57' |
| S 19 | 20 1 30 | 29°13'43 | 21°30' | 11°39' | 15°04' | 5°34' | 5°10' | 10°34' | 24°48' | 28°25' | 7°50' | 16°29' | 17°20' | 2°45' | 13°59' |
| M 20 | 20 5 26 | 0°L11'15 | 3°K22 | 13°28' | 16°02' | 6°12' | 5°22' | 10°38' | 24°50' | 28°24' | 7°50' | 16°20' | 17°16' | 2°52' | 14°01' |
| T 21 | 20 9 23 | 1°08'47 | 15°10' | 15°15' | 16°59' | 6°50' | 5°35' | 10°41' | 24°52' | 28°22' | 7°50' | 16°14' | 17°13' | 2°59' | 14°02' |
| W 22 | 20 13 19 | 2°06'22 | 26°59' | 17°01' | 17°56' | 7°29' | 5°48' | 10°44' | 24°54' | 28°21' | 7°49' | 16°10' | 17°10' | 3°05' | 14°04' |
| T 23 | 20 17 16 | 3°03'57 | 8°V51 | 18°45' | 18°52' | 8°07' | 6°01' | 10°47' | 24°55' | 28°19' | 7°49' | 16°09' | 17°07' | 3°12' | 14°05' |
| F 24 | 20 21 12 | 4°01'35 | 20°53' | 20°28' | 19°48' | 8°45' | 6°13' | 10°50' | 24°57' | 28°17' | 7°49' | 16°08' | 17°04' | 3°19' | 14°07' |
| S 25 | 20 25 9 | 4°59'13 | 3°B7 | 22°09' | 20°44' | 9°23' | 6°26' | 10°53' | 24°59' | 28°16' | 7°48' | 16°09' | 17°00' | 3°25' | 14°08' |
| S 26 | 20 29 6 | 5°56'54 | 15°41' | 23°49' | 21°38' | 10°01' | 6°39' | 10°55' | 25°00' | 28°14' | 7°48' | 16°08' | 16°57' | 3°32' | 14°10' |
| M 27 | 20 33 2 | 6°54'36 | 28°39' | 25°27' | 22°33' | 10°39' | 6°51' | 10°58' | 25°02' | 28°12' | 7°47' | 16°06' | 16°54' | 3°39' | 14°11' |
| T 28 | 20 36 59 | 7°52'20 | 12°II4 | 27°04' | 23°27' | 11°17' | 7°04' | 11°01' | 25°04' | 28°11' | 7°47' | 16°02' | 16°51' | 3°45' | 14°12' |
| W 29 | 20 40 55 | 8°50'06 | 25°58' | 28°39' | 24°20' | 11°56' | 7°16' | 11°03' | 25°05' | 28°09' | 7°46' | 15°56' | 16°48' | 3°52' | 14°13' |
| T 30 | 20 44 52 | 9°47'53 | 10°E21 | 0°M13 | 25°13' | 12°34' | 7°28' | 11°05' | 25°07' | 28°08' | 7°46' | 15°47' | 16°45' | 3°59' | 14°15' |
| F 31 | 20 48 48 | 10°45'42 | 25°E9 | 1°M46 | 26°M5 | 13°L12 | 7°E41 | 11°08' | 25°08' | 28°06' | 7°V45 | 15°V38 | 16°V41 | 4°K5 | 14°B16 |

Delta T = 42m38s Julian Calendar 1 July 851 == Greg. Calendar 5 July 851

AUGUST 851 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|-------|--------|
| S 1 | 20 52 45 | 11°L43'32 | 10°L13 | 3°M17 | 26°M56 | 13°L50 | 7°E53 | 11°B10 | 25°B9 | 28°R5 | 7°R45 | 15°R28 | 16°V38 | 4°K12 | 14°B17 |
| S 2 | 20 56 42 | 12°41'24 | 25°25' | 4°47' | 27°47' | 14°28' | 8°05' | 11°12' | 25°11' | 28°B3 | 7°V44 | 15°V20 | 16°35' | 4°19' | 14°18' |
| M 3 | 21 0 38 | 13°39'17 | 10°M33 | 6°15' | 28°37' | 15°07' | 8°17' | 11°14' | 25°12' | 28°01' | 7°44' | 15°13' | 16°32' | 4°25' | 14°18' |
| T 4 | 21 4 35 | 14°37'12 | 25°29' | 7°42' | 29°27' | 15°45' | 8°29' | 11°16' | 25°13' | 28°00' | 7°43' | 15°10' | 16°29' | 4°32' | 14°19' |
| W 5 | 21 8 31 | 15°35'08 | 10°A4 | 9°07' | 0°A16 | 16°23' | 8°41' | 11°17' | 25°14' | 27°58' | 7°42' | 15°08' | 16°26' | 4°39' | 14°20' |
| T 6 | 21 12 28 | 16°33'05 | 24°17' | 10°31' | 1°04' | 17°01' | 8°53' | 11°19' | 25°15' | 27°57' | 7°42' | 15°08' | 16°22' | 4°45' | 14°21' |
| F 7 | 21 16 24 | 17°31'04 | 8°M5 | 11°53' | 1°51' | 17°39' | 9°05' | 11°20' | 25°17' | 27°55' | 7°41' | 15°09' | 16°19' | 4°52' | 14°21' |
| S 8 | 21 20 21 | 18°29'04 | 21°31' | 13°14' | 2°38' | 18°18' | 9°17' | 11°22' | 25°18' | 27°54' | 7°40' | 15°09' | 16°16' | 4°59' | 14°22' |
| S 9 | 21 24 17 | 19°27'06 | 4°A35 | 14°33' | 3°23' | 18°56' | 9°29' | 11°23' | 25°19' | 27°52' | 7°40' | 15°08' | 16°13' | 5°06' | 14°22' |
| M 10 | 21 28 14 | 20°25'09 | 17°22' | 15°50' | 4°08' | 19°34' | 9°41' | 11°24' | 25°20' | 27°51' | 7°39' | 15°05' | 16°10' | 5°12' | 14°23' |
| T 11 | 21 32 10 | 21°23'13 | 29°54' | 17°06' | 4°52' | 20°13' | 9°52' | 11°25' | 25°20' | 27°49' | 7°38' | 14°59' | 16°06' | 5°19' | 14°23' |
| W 12 | 21 36 7 | 22°21'19 | 12°S14 | 18°20' | 5°35' | 20°51' | 10°04' | 11°26' | 25°21' | 27°48' | 7°37' | 14°52' | 16°03' | 5°26' | 14°24' |
| T 13 | 21 40 4 | 23°19'27 | 24°24' | 19°32' | 6°17' | 21°29' | 10°15' | 11°27' | 25°22' | 27°46' | 7°37' | 14°43' | 16°00' | 5°32' | 14°24' |
| F 14 | 21 44 0 | 24°17'36 | 6°A27 | 20°42' | 6°58' | 22°07' | 10°27' | 11°28' | 25°23' | 27°45' | 7°36' | 14°33' | 15°57' | 5°39' | 14°24' |
| S 15 | 21 47 57 | 25°15'46 | 18°24' | 21°50' | 7°38' | 22°46' | 10°38' | 11°29' | 25°23' | 27°44' | 7°35' | 14°24' | 15°54' | 5°46' | 14°24' |
| S 16 | 21 51 53 | 26°13'59 | 0°K16 | 22°56' | 8°16' | 23°24' | 10°49' | 11°29' | 25°24' | 27°42' | 7°34' | 14°16' | 15°51' | 5°52' | 14°R24 |
| M 17 | 21 55 50 | 27°12'13 | 12°06' | 24°00' | 8°54' | 24°02' | 11°01' | 11°30' | 25°25' | 27°41' | 7°33' | 14°09' | 15°47' | 5°59' | 14°24' |
| T 18 | 21 59 46 | 28°10'29 | 23°55' | 25°01' | 9°30' | 24°41' | 11°12' | 11°30' | 25°25' | 27°39' | 7°33' | 14°05' | 15°44' | 6°06' | 14°24' |
| W 19 | 22 3 43 | 29°08'48 | 5°V45 | 26°00' | 10°06' | 25°19' | 11°23' | 11°30' | 25°26' | 27°38' | 7°32' | 14°03' | 15°41' | 6°12' | 14°24' |
| T 20 | 22 7 39 | 0°M7'08 | 17°40' | 26°56' | 10°39' | 25°57' | 11°34' | 11°30' | 25°26' | 27°37' | 7°31' | 14°02' | 15°38' | 6°19' | 14°24' |
| F 21 | 22 11 36 | 1°05'30 | 29°44' | 27°49' | 11°12' | 26°36' | 11°44' | 11°R30 | 25°27' | 27°35' | 7°30' | 14°03' | 15°35' | 6°26' | 14°23' |
| S 22 | 22 15 33 | 2°03'54 | 11°B59 | 28°39' | 11°43' | 27°14' | 11°55' | 11°30' | 25°27' | 27°34' | 7°29' | 14°05' | 15°31' | 6°32' | 14°23' |
| S 23 | 22 19 29 | 3°02'21 | 24°32' | 29°26' | 12°13' | 27°53' | 12°06' | 11°30' | 25°27' | 27°33' | 7°28' | 14°06' | 15°28' | 6°39' | 14°23' |
| M 24 | 22 23 26 | 4°00'50 | 7°II26 | 0°A10 | 12°41' | 28°31' | 12°17' | 11°30' | 25°27' | 27°32' | 7°27' | 14°R6 | 15°25' | 6°46' | 14°22' |
| T 25 | 22 27 22 | 4°59'21 | 20°46' | 0°49' | 13°08' | 29°09' | 12°27' | 11°29' | 25°28' | 27°30' | 7°26' | 14°05' | 15°22' | 6°52' | 14°22' |
| W 26 | 22 31 19 | 5°57'55 | 4°E33 | 1°25' | 13°33' | 29°48' | 12°37' | 11°29' | 25°28' | 27°29' | 7°25' | 14°02' | 15°19' | 6°59' | 14°21' |
| T 27 | 22 35 15 | 6°56'30 | 18°48' | 1°56' | 13°56' | 0°M26 | 12°48' | 11°28' | 25°28' | 27°28' | 7°24' | 13°58' | 15°16' | 7°06' | 14°21' |
| F 28 | 22 39 12 | 7°55'08 | 3°L29 | 2°23' | 14°18' | 1°05' | 12°58' | 11°27' | 25°R28 | 27°27' | 7°24' | 13°53' | 15°12' | 7°12' | 14°20' |
| S 29 | 22 43 8 | 8°53'48 | 18°30' | 2°44' | 14°38' | 1°43' | 13°08' | 11°26' | 25°28' | 27°26' | 7°23' | 13°48' | 15°09' | 7°19' | 14°19' |
| S 30 | 22 47 5 | 9°52'30 | 3°M44 | 3°00' | 14°56' | 2°22' | 13°18' | 11°25' | 25°28' | 27°25' | 7°22' | 13°43' | 15°06' | 7°26' | 14°18' |
| M 31 | 22 51 2 | 10°M51'14 | 18°M58 | 3°A11 | 15°L13 | 3°M0 | 13°E28 | 11°B24 | 25°B28 | 27°B24 | 7°V21 | 13°V40 | 15°V3 | 7°K32 | 14°B17 |

Delta T = 42m38s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [10.1.2003]

SWISS EPHEMERIS for the year 851

SEPTEMBER 851 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|-------|-------|-------|-------|-------|--------|--------|--------|-------|--------|--------|-------|--------|
| T 1 | 22 54 58 | 11♎50'00 | 4♋4 | 3°R15 | 15♌27 | 3♎39 | 13♍38 | 11°R23 | 25°R27 | 27°R23 | 7°R20 | 13°R38 | 15°Y0 | 7♋39 | 14°R16 |
| W 2 | 22 58 55 | 12°48'48 | 18°53 | 3♋12 | 15°39 | 4°17 | 13°48 | 11♋22 | 25♋27 | 27♋22 | 7°Y18 | 13°D38 | 14°57 | 7°46 | 14♋15 |
| T 3 | 23 2 51 | 13°47'38 | 3♌18 | 3°3 | 15°49 | 4°56 | 13°57 | 11°20 | 25°27 | 27°20 | 7°17 | 13°Y39 | 14°53 | 7°52 | 14°14 |
| F 4 | 23 6 48 | 14°46'29 | 17°18 | 2°47 | 15°57 | 5°34 | 14°7 | 11°19 | 25°26 | 27°20 | 7°16 | 13°40 | 14°50 | 7°59 | 14°13 |
| S 5 | 23 10 44 | 15°45'23 | 0♌50 | 2°23 | 16°3 | 6°13 | 14°16 | 11°17 | 25°26 | 27°19 | 7°15 | 13°42 | 14°47 | 8°6 | 14°12 |
| S 6 | 23 14 41 | 16°44'18 | 13°58 | 1°51 | 16°7 | 6°52 | 14°25 | 11°16 | 25°26 | 27°18 | 7°14 | 13°R43 | 14°44 | 8°12 | 14°11 |
| M 7 | 23 18 37 | 17°43'15 | 26°44 | 1°13 | 16°R8 | 7°30 | 14°34 | 11°14 | 25°25 | 27°17 | 7°13 | 13°42 | 14°41 | 8°19 | 14°9 |
| T 8 | 23 22 34 | 18°42'14 | 9♌12 | 0°27 | 16°7 | 8°9 | 14°43 | 11°12 | 25°25 | 27°16 | 7°12 | 13°41 | 14°37 | 8°26 | 14°8 |
| W 9 | 23 26 31 | 19°41'15 | 21°26 | 29♎35 | 16°3 | 8°47 | 14°52 | 11°10 | 25°24 | 27°15 | 7°11 | 13°38 | 14°34 | 8°32 | 14°7 |
| T 10 | 23 30 27 | 20°40'17 | 3♎29 | 28°36 | 15°57 | 9°26 | 15°1 | 11°8 | 25°23 | 27°14 | 7°10 | 13°35 | 14°31 | 8°39 | 14°5 |
| F 11 | 23 34 24 | 21°39'22 | 15°25 | 27°33 | 15°49 | 10°5 | 15°10 | 11°6 | 25°23 | 27°13 | 7°9 | 13°31 | 14°28 | 8°46 | 14°4 |
| S 12 | 23 38 20 | 22°38'28 | 27°16 | 26°26 | 15°38 | 10°43 | 15°18 | 11°3 | 25°22 | 27°13 | 7°8 | 13°27 | 14°25 | 8°52 | 14°2 |
| S 13 | 23 42 17 | 23°37'36 | 9♋6 | 25°16 | 15°25 | 11°22 | 15°27 | 11°1 | 25°21 | 27°12 | 7°7 | 13°24 | 14°22 | 8°59 | 14°0 |
| M 14 | 23 46 13 | 24°36'46 | 20°56 | 24°7 | 15°10 | 12°1 | 15°35 | 10°58 | 25°20 | 27°11 | 7°6 | 13°22 | 14°18 | 9°6 | 13°58 |
| T 15 | 23 50 10 | 25°35'59 | 2°Y48 | 22°58 | 14°52 | 12°40 | 15°43 | 10°56 | 25°19 | 27°11 | 7°4 | 13°21 | 14°15 | 9°12 | 13°57 |
| W 16 | 23 54 6 | 26°35'13 | 14°45 | 21°54 | 14°32 | 13°18 | 15°51 | 10°53 | 25°18 | 27°10 | 7°3 | 13°D20 | 14°12 | 9°19 | 13°55 |
| T 17 | 23 58 3 | 27°34'29 | 26°49 | 20°54 | 14°9 | 13°57 | 15°59 | 10°50 | 25°18 | 27°9 | 7°2 | 13°21 | 14°9 | 9°26 | 13°53 |
| F 18 | 0 2 0 | 28°33'48 | 9♋1 | 20°1 | 13°45 | 14°36 | 16°7 | 10°47 | 25°16 | 27°9 | 7°1 | 13°22 | 14°6 | 9°33 | 13°51 |
| S 19 | 0 5 56 | 29°33'09 | 21°25 | 19°17 | 13°19 | 15°15 | 16°15 | 10°44 | 25°15 | 27°8 | 7°0 | 13°23 | 14°3 | 9°39 | 13°49 |
| S 20 | 0 9 53 | 0♋32'33 | 4♌3 | 18°42 | 12°50 | 15°53 | 16°22 | 10°41 | 25°14 | 27°8 | 6°59 | 13°24 | 13°59 | 9°46 | 13°47 |
| M 21 | 0 13 49 | 1°31'59 | 16°59 | 18°17 | 12°20 | 16°32 | 16°30 | 10°38 | 25°13 | 27°7 | 6°58 | 13°25 | 13°56 | 9°53 | 13°45 |
| T 22 | 0 17 46 | 2°31'27 | 0♌16 | 18°4 | 11°49 | 17°11 | 16°37 | 10°35 | 25°12 | 27°7 | 6°56 | 13°R26 | 13°53 | 9°59 | 13°43 |
| W 23 | 0 21 42 | 3°30'58 | 13°54 | 18°D1 | 11°16 | 17°50 | 16°44 | 10°32 | 25°11 | 27°6 | 6°55 | 13°25 | 13°50 | 10°6 | 13°41 |
| T 24 | 0 25 39 | 4°30'31 | 27°57 | 18°9 | 10°42 | 18°29 | 16°51 | 10°28 | 25°9 | 27°6 | 6°54 | 13°25 | 13°47 | 10°13 | 13°38 |
| F 25 | 0 29 35 | 5°30'06 | 12♌21 | 18°28 | 10°7 | 19°8 | 16°58 | 10°25 | 25°8 | 27°5 | 6°53 | 13°24 | 13°43 | 10°19 | 13°36 |
| S 26 | 0 33 32 | 6°29'44 | 27°5 | 18°57 | 9°31 | 19°47 | 17°4 | 10°21 | 25°7 | 27°5 | 6°52 | 13°23 | 13°40 | 10°26 | 13°34 |
| S 27 | 0 37 29 | 7°29'24 | 12♎3 | 19°35 | 8°55 | 20°26 | 17°11 | 10°17 | 25°5 | 27°5 | 6°51 | 13°22 | 13°37 | 10°33 | 13°31 |
| M 28 | 0 41 25 | 8°29'06 | 27°7 | 20°22 | 8°18 | 21°5 | 17°17 | 10°14 | 25°4 | 27°5 | 6°50 | 13°22 | 13°34 | 10°39 | 13°29 |
| T 29 | 0 45 22 | 9°28'50 | 12♋9 | 21°17 | 7°42 | 21°44 | 17°23 | 10°10 | 25°2 | 27°4 | 6°48 | 13°D22 | 13°31 | 10°46 | 13°26 |
| W 30 | 0 49 18 | 10°28'36 | 26♋59 | 22♎18 | 7♋5 | 22♎23 | 17♋30 | 10♋6 | 25♋1 | 27♋4 | 6°Y47 | 13°Y22 | 13°Y28 | 10♋53 | 13♋24 |

Delta T = 42m37s

Julian Calendar 1 Sept. 851 == Greg. Calendar 5 Sept. 851

OCTOBER 851 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|-------|--------|
| T 1 | 0 53 15 | 11♏28'24 | 11♌30 | 23♎26 | 6°R30 | 23♎2 | 17♋35 | 10°R2 | 24°R59 | 27°R4 | 6°R46 | 13°Y22 | 13°Y24 | 10♋59 | 13°R21 |
| F 2 | 0 57 11 | 12°28'15 | 25°38 | 24°39 | 5♋54 | 23°41 | 17°41 | 9♋58 | 24♋57 | 27♋4 | 6°Y45 | 13°22 | 13°21 | 11°6 | 13♋19 |
| S 3 | 1 1 8 | 13°28'07 | 9♌19 | 25°57 | 5°20 | 24°20 | 17°47 | 9°54 | 24°56 | 27°4 | 6°44 | 13°R22 | 13°18 | 11°13 | 13°16 |
| S 4 | 1 5 4 | 14°28'00 | 22°34 | 27°19 | 4°47 | 24°59 | 17°52 | 9°50 | 24°54 | 27°4 | 6°43 | 13°22 | 13°15 | 11°19 | 13°13 |
| M 5 | 1 9 1 | 15°27'56 | 5♌25 | 28°44 | 4°15 | 25°38 | 17°57 | 9°46 | 24°52 | 27°D4 | 6°42 | 13°22 | 13°12 | 11°26 | 13°11 |
| T 6 | 1 12 58 | 16°27'53 | 17°55 | 0♌12 | 3°45 | 26°17 | 18°2 | 9°41 | 24°50 | 27°4 | 6°40 | 13°D22 | 13°8 | 11°33 | 13°8 |
| W 7 | 1 16 54 | 17°27'52 | 0♋8 | 1°43 | 3°17 | 26°56 | 18°7 | 9°37 | 24°49 | 27°4 | 6°39 | 13°22 | 13°5 | 11°39 | 13°5 |
| T 8 | 1 20 51 | 18°27'52 | 12°9 | 3°15 | 2°50 | 27°35 | 18°12 | 9°33 | 24°47 | 27°4 | 6°38 | 13°23 | 13°2 | 11°46 | 13°2 |
| F 9 | 1 24 47 | 19°27'54 | 24°2 | 4°49 | 2°26 | 28°14 | 18°17 | 9°28 | 24°45 | 27°4 | 6°37 | 13°23 | 12°59 | 11°53 | 13°0 |
| S 10 | 1 28 44 | 20°27'58 | 5♋51 | 6°24 | 2°3 | 28°53 | 18°21 | 9°24 | 24°43 | 27°4 | 6°36 | 13°24 | 12°56 | 11°59 | 12°57 |
| S 11 | 1 32 40 | 21°28'04 | 17°40 | 8°0 | 1°43 | 29°33 | 18°25 | 9°19 | 24°41 | 27°4 | 6°35 | 13°25 | 12°53 | 12°6 | 12°54 |
| M 12 | 1 36 37 | 22°28'11 | 29°33 | 9°37 | 1°25 | 0♋12 | 18°29 | 9°15 | 24°39 | 27°4 | 6°34 | 13°25 | 12°49 | 12°13 | 12°51 |
| T 13 | 1 40 33 | 23°28'20 | 11°Y32 | 11°14 | 1°10 | 0°51 | 18°33 | 9°10 | 24°37 | 27°5 | 6°33 | 13°R26 | 12°46 | 12°19 | 12°48 |
| W 14 | 1 44 30 | 24°28'31 | 23°39 | 12°52 | 0°57 | 1°30 | 18°37 | 9°6 | 24°35 | 27°5 | 6°31 | 13°26 | 12°43 | 12°26 | 12°45 |
| T 15 | 1 48 26 | 25°28'44 | 5♌56 | 14°30 | 0°46 | 2°10 | 18°40 | 9°1 | 24°33 | 27°5 | 6°30 | 13°25 | 12°40 | 12°33 | 12°42 |
| F 16 | 1 52 23 | 26°28'58 | 18°25 | 16°8 | 0°38 | 2°49 | 18°43 | 8°56 | 24°30 | 27°6 | 6°29 | 13°23 | 12°37 | 12°39 | 12°39 |
| S 17 | 1 56 20 | 27°29'15 | 1♌6 | 17°46 | 0°32 | 3°28 | 18°47 | 8°51 | 24°28 | 27°6 | 6°28 | 13°21 | 12°34 | 12°46 | 12°36 |
| S 18 | 2 0 16 | 28°29'33 | 14°0 | 19°24 | 0°29 | 4°7 | 18°50 | 8°47 | 24°26 | 27°6 | 6°27 | 13°19 | 12°30 | 12°53 | 12°33 |
| M 19 | 2 4 13 | 29°29'54 | 27°8 | 21°2 | 0°D28 | 4°47 | 18°52 | 8°42 | 24°24 | 27°7 | 6°26 | 13°17 | 12°27 | 12°59 | 12°30 |
| T 20 | 2 8 9 | 0♌30'16 | 10♋31 | 22°40 | 0°30 | 5°26 | 18°55 | 8°37 | 24°22 | 27°7 | 6°25 | 13°15 | 12°24 | 13°6 | 12°26 |
| W 21 | 2 12 6 | 1°30'41 | 24°9 | 24°18 | 0°34 | 6°6 | 18°57 | 8°32 | 24°19 | 27°8 | 6°24 | 13°14 | 12°21 | 13°13 | 12°23 |
| T 22 | 2 16 2 | 2°31'08 | 8♌3 | 25°55 | 0°41 | 6°45 | 18°59 | 8°27 | 24°17 | 27°8 | 6°23 | 13°D14 | 12°18 | 13°19 | 12°20 |
| F 23 | 2 19 59 | 3°31'36 | 22°11 | 27°32 | 0°50 | 7°24 | 19°1 | 8°22 | 24°15 | 27°9 | 6°22 | 13°15 | 12°14 | 13°26 | 12°17 |
| S 24 | 2 23 56 | 4°32'07 | 6♎33 | 29°9 | 1°1 | 8°4 | 19°3 | 8°18 | 24°13 | 27°10 | 6°21 | 13°16 | 12°11 | 13°33 | 12°14 |
| S 25 | 2 27 52 | 5°32'39 | 21°7 | 0♌46 | 1°14 | 8°43 | 19°5 | 8°13 | 24°10 | 27°10 | 6°20 | 13°18 | 12°8 | 13°39 | 12°11 |
| M 26 | 2 31 49 | 6°33'13 | 5♋46 | 2°23 | 1°29 | 9°23 | 19°6 | 8°8 | 24°8 | 27°11 | 6°19 | 13°19 | 12°5 | 13°46 | 12°7 |
| T 27 | 2 35 45 | 7°33'49 | 20°27 | 3°59 | 1°47 | 10°2 | 19°8 | 8°3 | 24°5 | 27°12 | 6°18 | 13°R19 | 12°2 | 13°52 | 12°4 |
| W 28 | 2 39 42 | 8°34'26 | 5♌2 | 5°35 | 2°6 | 10°42 | 19°9 | 7°58 | 24°3 | 27°12 | 6°17 | 13°17 | 11°59 | 13°59 | 12°1 |
| T 29 | 2 43 38 | 9°35'06 | 19°25 | 7°11 | 2°27 | 11°22 | 19°9 | 7°53 | 24°1 | 27°13 | 6°16 | 13°15 | 11°55 | 14°6 | 11°58 |
| F 30 | 2 47 35 | 10°35'46 | 3♌30 | 8°46 | 2°50 | 12°1 | 19°10 | 7°48 | 23°58 | 27°14 | 6°15 | 13°11 | 11°52 | 14°12 | 11°54 |
| S 31 | 2 51 31 | 11♌36'28 | 17♌13 | 10♌21 | 3♋15 | 12♋41 | 19♋10 | 7♋43 | 23♋56 | 27♋15 | 6°Y14 | 13°Y6 | 11°Y49 | 14♋19 | 11♋51 |

Delta T = 42m36s

Julian Calendar

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SWISS EPHEMERIS for the year 851

NOVEMBER 851 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|-------|-------|-------|--------|-------|--------|-------|-------|--------|--------|-------|--------|
| S 1 | 2 55 28 | 12♌37'12 | 0♃33 | 11♌56 | 3♁42 | 13♁20 | 19♁11 | 7°R38 | 23°R53 | 27♃16 | 6°R13 | 13°R 2 | 11°Y46 | 14♋26 | 11°R48 |
| M 2 | 2 59 25 | 13°37'56 | 13°28 | 13°31 | 4°11 | 14° 0 | 19°R11 | 7♃33 | 23♃51 | 27°17 | 6°Y13 | 12°Y58 | 11°43 | 14°32 | 11♃45 |
| T 3 | 3 3 21 | 14°38'42 | 26° 2 | 15° 6 | 4°41 | 14°40 | 19°11 | 7°29 | 23°48 | 27°18 | 6°12 | 12°55 | 11°40 | 14°39 | 11°41 |
| W 4 | 3 7 18 | 15°39'29 | 8♁17 | 16°41 | 5°12 | 15°19 | 19°10 | 7°24 | 23°46 | 27°19 | 6°11 | 12°53 | 11°36 | 14°46 | 11°38 |
| T 5 | 3 11 14 | 16°40'17 | 20°19 | 18°15 | 5°45 | 15°59 | 19°10 | 7°19 | 23°43 | 27°20 | 6°10 | 12°D53 | 11°33 | 14°52 | 11°35 |
| F 6 | 3 15 11 | 17°41'05 | 2♋11 | 19°49 | 6°20 | 16°39 | 19° 9 | 7°14 | 23°41 | 27°21 | 6° 9 | 12°54 | 11°30 | 14°59 | 11°32 |
| S 7 | 3 19 7 | 18°41'55 | 14° 0 | 21°23 | 6°56 | 17°18 | 19° 8 | 7° 9 | 23°38 | 27°22 | 6° 8 | 12°55 | 11°27 | 15° 6 | 11°29 |
| S 8 | 3 23 4 | 19°42'46 | 25°49 | 22°58 | 7°33 | 17°58 | 19° 7 | 7° 5 | 23°36 | 27°23 | 6° 8 | 12°57 | 11°24 | 15°12 | 11°25 |
| M 9 | 3 27 0 | 20°43'38 | 7°Y45 | 24°31 | 8°12 | 18°38 | 19° 5 | 7° 0 | 23°33 | 27°24 | 6° 7 | 12°R58 | 11°20 | 15°19 | 11°22 |
| T 10 | 3 30 57 | 21°44'31 | 19°50 | 26° 5 | 8°52 | 19°18 | 19° 4 | 6°55 | 23°31 | 27°25 | 6° 6 | 12°58 | 11°17 | 15°26 | 11°19 |
| W11 | 3 34 53 | 22°45'24 | 2♋ 8 | 27°39 | 9°33 | 19°58 | 19° 2 | 6°51 | 23°28 | 27°26 | 6° 5 | 12°56 | 11°14 | 15°32 | 11°16 |
| T 12 | 3 38 50 | 23°46'19 | 14°40 | 29°13 | 10°15 | 20°37 | 19° 0 | 6°46 | 23°26 | 27°27 | 6° 5 | 12°52 | 11°11 | 15°39 | 11°13 |
| F 13 | 3 42 47 | 24°47'15 | 27°29 | 0♁47 | 10°58 | 21°17 | 18°58 | 6°41 | 23°23 | 27°29 | 6° 4 | 12°47 | 11° 8 | 15°46 | 11°10 |
| S 14 | 3 46 43 | 25°48'12 | 10♌33 | 2°21 | 11°43 | 21°57 | 18°56 | 6°37 | 23°20 | 27°30 | 6° 3 | 12°39 | 11° 5 | 15°52 | 11° 7 |
| S 15 | 3 50 40 | 26°49'11 | 23°51 | 3°54 | 12°28 | 22°37 | 18°53 | 6°32 | 23°18 | 27°31 | 6° 2 | 12°31 | 11° 1 | 15°59 | 11° 3 |
| M16 | 3 54 36 | 27°50'10 | 7♁22 | 5°28 | 13°14 | 23°17 | 18°51 | 6°28 | 23°15 | 27°33 | 6° 2 | 12°24 | 10°58 | 16° 6 | 11° 0 |
| T 17 | 3 58 33 | 28°51'10 | 21° 4 | 7° 2 | 14° 2 | 23°57 | 18°48 | 6°24 | 23°13 | 27°34 | 6° 1 | 12°17 | 10°55 | 16°12 | 10°57 |
| W18 | 4 2 29 | 29°52'12 | 4♌54 | 8°36 | 14°50 | 24°37 | 18°45 | 6°19 | 23°10 | 27°35 | 6° 1 | 12°12 | 10°52 | 16°19 | 10°54 |
| T 19 | 4 6 26 | 0♁53'15 | 18°51 | 10° 9 | 15°39 | 25°17 | 18°41 | 6°15 | 23° 8 | 27°37 | 6° 0 | 12° 9 | 10°49 | 16°26 | 10°51 |
| F 20 | 4 10 23 | 1°54'19 | 2♌54 | 11°43 | 16°29 | 25°57 | 18°38 | 6°11 | 23° 5 | 27°38 | 5°59 | 12°D 9 | 10°46 | 16°32 | 10°48 |
| S 21 | 4 14 19 | 2°55'23 | 17° 2 | 13°17 | 17°20 | 26°37 | 18°34 | 6° 7 | 23° 3 | 27°40 | 5°59 | 12° 9 | 10°42 | 16°39 | 10°45 |
| S 22 | 4 18 16 | 3°56'29 | 1♁13 | 14°50 | 18°12 | 27°17 | 18°30 | 6° 3 | 23° 0 | 27°41 | 5°58 | 12°10 | 10°39 | 16°46 | 10°42 |
| M23 | 4 22 12 | 4°57'36 | 15°26 | 16°24 | 19° 4 | 27°57 | 18°26 | 5°59 | 22°58 | 27°43 | 5°58 | 12°R11 | 10°36 | 16°52 | 10°40 |
| T 24 | 4 26 9 | 5°58'44 | 29°38 | 17°58 | 19°58 | 28°37 | 18°22 | 5°55 | 22°55 | 27°44 | 5°57 | 12° 9 | 10°33 | 16°59 | 10°37 |
| W25 | 4 30 5 | 6°59'53 | 13♌47 | 19°31 | 20°51 | 29°17 | 18°18 | 5°51 | 22°53 | 27°46 | 5°57 | 12° 5 | 10°30 | 17° 6 | 10°34 |
| T 26 | 4 34 2 | 8° 1'03 | 27°47 | 21° 4 | 21°46 | 29°58 | 18°13 | 5°47 | 22°51 | 27°48 | 5°56 | 11°59 | 10°26 | 17°12 | 10°31 |
| F 27 | 4 37 58 | 9° 2'13 | 11♁36 | 22°37 | 22°41 | 0♌38 | 18° 8 | 5°44 | 22°48 | 27°49 | 5°56 | 11°50 | 10°23 | 17°19 | 10°28 |
| S 28 | 4 41 55 | 10° 3'24 | 25° 8 | 24°10 | 23°37 | 1°18 | 18° 3 | 5°40 | 22°46 | 27°51 | 5°55 | 11°40 | 10°20 | 17°26 | 10°26 |
| S 29 | 4 45 52 | 11° 4'35 | 8♃22 | 25°42 | 24°33 | 1°58 | 17°58 | 5°36 | 22°43 | 27°52 | 5°55 | 11°29 | 10°17 | 17°32 | 10°23 |
| M30 | 4 49 48 | 12♁ 5'47 | 21♃15 | 27♁14 | 25♁30 | 2♌38 | 17♁53 | 5♃33 | 22♃41 | 27♃54 | 5°Y55 | 11°Y18 | 10°Y14 | 17♋39 | 10♃20 |

Delta T = 42m36s

Julian Calendar 1 Nov. 851 == Greg. Calendar 5 Nov. 851

DECEMBER 851 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|-------|--------|-------|--------|-------|-------|--------|--------|-------|--------|
| T 1 | 4 53 45 | 13♁ 6'59 | 3♁49 | 28♁46 | 26♁28 | 3♌19 | 17°R48 | 5°R30 | 22°R39 | 27♃56 | 5°R54 | 11°R10 | 10°Y11 | 17♋46 | 10°R18 |
| W 2 | 4 57 41 | 14° 8'11 | 16° 5 | 0♃16 | 27°26 | 3°59 | 17♁42 | 5♃26 | 22♃36 | 27°58 | 5°Y54 | 11°Y 3 | 10° 7 | 17°52 | 10♃15 |
| T 3 | 5 1 38 | 15° 9'23 | 28° 7 | 1°46 | 28°24 | 4°39 | 17°36 | 5°23 | 22°34 | 27°59 | 5°54 | 10°59 | 10° 4 | 17°59 | 10°13 |
| F 4 | 5 5 34 | 16°10'35 | 10♋ 0 | 3°14 | 29°23 | 5°19 | 17°31 | 5°20 | 22°32 | 28° 1 | 5°53 | 10°58 | 10° 1 | 18° 6 | 10°10 |
| S 5 | 5 9 31 | 17°11'47 | 21°48 | 4°41 | 0♌23 | 6° 0 | 17°25 | 5°17 | 22°30 | 28° 3 | 5°53 | 10°D57 | 9°58 | 18°12 | 10° 8 |
| S 6 | 5 13 27 | 18°12'59 | 3°Y37 | 6° 7 | 1°22 | 6°40 | 17°18 | 5°14 | 22°27 | 28° 5 | 5°53 | 10°58 | 9°55 | 18°19 | 10° 5 |
| M 7 | 5 17 24 | 19°14'11 | 15°33 | 7°30 | 2°23 | 7°20 | 17°12 | 5°11 | 22°25 | 28° 7 | 5°53 | 10°R58 | 9°52 | 18°26 | 10° 3 |
| T 8 | 5 21 21 | 20°15'23 | 27°41 | 8°52 | 3°24 | 8° 1 | 17° 6 | 5° 9 | 22°23 | 28° 9 | 5°52 | 10°57 | 9°48 | 18°32 | 10° 1 |
| W 9 | 5 25 17 | 21°16'35 | 10♃ 5 | 10°10 | 4°25 | 8°41 | 16°59 | 5° 6 | 22°21 | 28°11 | 5°52 | 10°53 | 9°45 | 18°39 | 9°59 |
| T 10 | 5 29 14 | 22°17'47 | 22°49 | 11°25 | 5°26 | 9°22 | 16°53 | 5° 3 | 22°19 | 28°12 | 5°52 | 10°46 | 9°42 | 18°45 | 9°56 |
| F 11 | 5 33 10 | 23°18'58 | 5♌53 | 12°36 | 6°28 | 10° 2 | 16°46 | 5° 1 | 22°17 | 28°14 | 5°52 | 10°37 | 9°39 | 18°52 | 9°54 |
| S 12 | 5 37 7 | 24°20'10 | 19°19 | 13°43 | 7°31 | 10°43 | 16°39 | 4°59 | 22°15 | 28°16 | 5°52 | 10°26 | 9°36 | 18°59 | 9°52 |
| S 13 | 5 41 3 | 25°21'22 | 3♁ 3 | 14°45 | 8°34 | 11°23 | 16°32 | 4°56 | 22°13 | 28°18 | 5°52 | 10°14 | 9°32 | 19° 5 | 9°50 |
| M14 | 5 45 0 | 26°22'33 | 17° 2 | 15°40 | 9°37 | 12° 4 | 16°25 | 4°54 | 22°11 | 28°20 | 5°52 | 10° 1 | 9°29 | 19°12 | 9°48 |
| T 15 | 5 48 57 | 27°23'45 | 1♌11 | 16°29 | 10°40 | 12°44 | 16°18 | 4°52 | 22° 9 | 28°22 | 5°52 | 9°51 | 9°26 | 19°19 | 9°46 |
| W16 | 5 52 53 | 28°24'57 | 15°26 | 17°10 | 11°44 | 13°25 | 16°10 | 4°50 | 22° 7 | 28°24 | 5°52 | 9°42 | 9°23 | 19°25 | 9°44 |
| T 17 | 5 56 50 | 29°26'08 | 29°41 | 17°43 | 12°48 | 14° 5 | 16° 3 | 4°48 | 22° 5 | 28°26 | 5°D52 | 9°37 | 9°20 | 19°32 | 9°43 |
| F 18 | 6 0 46 | 0♃27'20 | 13♌53 | 18° 6 | 13°52 | 14°46 | 15°55 | 4°47 | 22° 3 | 28°28 | 5°52 | 9°34 | 9°17 | 19°39 | 9°41 |
| S 19 | 6 4 43 | 1°28'31 | 28° 1 | 18°19 | 14°57 | 15°26 | 15°48 | 4°45 | 22° 1 | 28°30 | 5°52 | 9°33 | 9°13 | 19°45 | 9°39 |
| S 20 | 6 8 39 | 2°29'43 | 12♁ 2 | 18°R21 | 16° 2 | 16° 7 | 15°40 | 4°44 | 21°59 | 28°33 | 5°52 | 9°33 | 9°10 | 19°52 | 9°38 |
| M21 | 6 12 36 | 3°30'54 | 25°58 | 18°11 | 17° 7 | 16°48 | 15°33 | 4°42 | 21°58 | 28°35 | 5°52 | 9°32 | 9° 7 | 19°59 | 9°36 |
| T 22 | 6 16 32 | 4°32'06 | 9♌47 | 17°49 | 18°13 | 17°28 | 15°25 | 4°41 | 21°56 | 28°37 | 5°52 | 9°30 | 9° 4 | 20° 5 | 9°34 |
| W23 | 6 20 29 | 5°33'17 | 23°29 | 17°16 | 19°18 | 18° 9 | 15°17 | 4°40 | 21°54 | 28°39 | 5°52 | 9°24 | 9° 1 | 20°12 | 9°33 |
| T 24 | 6 24 26 | 6°34'28 | 7♁ 3 | 16°32 | 20°24 | 18°50 | 15° 9 | 4°39 | 21°53 | 28°41 | 5°52 | 9°16 | 8°58 | 20°19 | 9°32 |
| F 25 | 6 28 22 | 7°35'39 | 20°27 | 15°37 | 21°31 | 19°31 | 15° 1 | 4°38 | 21°51 | 28°43 | 5°52 | 9° 5 | 8°54 | 20°25 | 9°30 |
| S 26 | 6 32 19 | 8°36'49 | 3♃38 | 14°34 | 22°37 | 20°11 | 14°53 | 4°37 | 21°50 | 28°45 | 5°53 | 8°51 | 8°51 | 20°32 | 9°29 |
| S 27 | 6 36 15 | 9°37'59 | 16°36 | 13°23 | 23°44 | 20°52 | 14°45 | 4°36 | 21°48 | 28°48 | 5°53 | 8°37 | 8°48 | 20°39 | 9°28 |
| M28 | 6 40 12 | 10°39'08 | 29°18 | 12° 8 | 24°51 | 21°33 | 14°37 | 4°36 | 21°47 | 28°50 | 5°53 | 8°23 | 8°45 | 20°45 | 9°27 |
| T 29 | 6 44 8 | 11°40'17 | 11♁44 | 10°50 | 25°58 | 22°14 | 14°29 | 4°35 | 21°45 | 28°52 | 5°53 | 8°11 | 8°42 | 20°52 | 9°26 |
| W30 | 6 48 5 | 12°41'24 | 23°57 | 9°33 | 27° 5 | 22°54 | 14°21 | 4°35 | 21°44 | 28°54 | 5°54 | 8° 2 | 8°38 | 20°59 | 9°25 |
| T 31 | 6 52 1 | 13♁42'31 | 5♋57 | 8♃17 | 28♌12 | 23♌35 | 14♁13 | 4♃35 | 21♃43 | 28♃56 | 5°Y54 | 7°Y55 | 8°Y35 | 21♋ 5 | 9♃24 |

Delta T = 42m35s

Julian Calendar

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