

SWISS EPHEMERIS for the year 2280

JANUARY 2280

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|--------|--------|-------|-------|-------|------|---------|--------|-------|--------|-------|-------|--------|
| T 1 | 6 40 36 | 9°54'10 | 9°46 | 12°R51 | 20°3 | 24°36 | 15°24 | 3°49 | 10°R17 | 22°40 | 15°41 | 19°R14 | 19°36 | 16°8 | 26°R11 |
| F 2 | 6 44 33 | 10°55'19 | 24°12 | 11°30 | 21°18 | 25°23 | 15°37 | 3°55 | 10°II15 | 22°40 | 15°42 | 19°33 | 19°33 | 16°15 | 26°8 9 |
| S 3 | 6 48 29 | 11°56'28 | 8°57 | 10° 8 | 22°33 | 26°10 | 15°50 | 4° 1 | 10°13 | 22°41 | 15°44 | 19°12 | 19°30 | 16°21 | 26° 7 |
| S 4 | 6 52 26 | 12°57'38 | 23°54 | 8°47 | 23°49 | 26°56 | 16° 2 | 4° 7 | 10°11 | 22°42 | 15°45 | 19°D12 | 19°27 | 16°28 | 26° 5 |
| M 5 | 6 56 23 | 13°58'48 | 8°55 | 7°31 | 25° 4 | 27°43 | 16°15 | 4°13 | 10° 9 | 22°43 | 15°47 | 19°13 | 19°24 | 16°35 | 26° 3 |
| T 6 | 7 0 19 | 14°59'58 | 23°51 | 6°21 | 26°19 | 28°30 | 16°28 | 4°19 | 10° 7 | 22°43 | 15°49 | 19°13 | 19°21 | 16°41 | 26° 1 |
| W 7 | 7 4 16 | 16° 1'07 | 8°35 | 5°19 | 27°34 | 29°17 | 16°40 | 4°25 | 10° 5 | 22°44 | 15°50 | 19°13 | 19°17 | 16°48 | 25°59 |
| T 8 | 7 8 12 | 17° 2'17 | 23° 2 | 4°26 | 28°50 | 0°3 | 16°53 | 4°31 | 10° 3 | 22°44 | 15°52 | 19°14 | 19°14 | 16°55 | 25°57 |
| F 9 | 7 12 9 | 18° 3'26 | 7°9 | 3°44 | 0°5 | 0°50 | 17° 5 | 4°37 | 10° 1 | 22°45 | 15°53 | 19°14 | 19°11 | 17° 1 | 25°56 |
| S 10 | 7 16 5 | 19° 4'35 | 20°51 | 3°11 | 1°20 | 1°37 | 17°18 | 4°43 | 9°59 | 22°45 | 15°55 | 19°14 | 19° 8 | 17° 8 | 25°54 |
| S 11 | 7 20 2 | 20° 5'43 | 4°14 | 2°49 | 2°35 | 2°24 | 17°30 | 4°48 | 9°58 | 22°46 | 15°57 | 19°14 | 19° 5 | 17°15 | 25°52 |
| M12 | 7 23 58 | 21° 6'51 | 17°17 | 2°36 | 3°50 | 3°11 | 17°43 | 4°54 | 9°56 | 22°46 | 15°59 | 19°14 | 19° 1 | 17°21 | 25°51 |
| T 13 | 7 27 55 | 22° 7'59 | 0°II 3 | 2°D33 | 5° 6 | 3°58 | 17°55 | 5° 0 | 9°54 | 22°47 | 16° 0 | 19°14 | 18°58 | 17°28 | 25°49 |
| W14 | 7 31 52 | 23° 9'06 | 12°33 | 2°39 | 6°21 | 4°45 | 18° 7 | 5° 5 | 9°52 | 22°47 | 16° 2 | 19°15 | 18°55 | 17°35 | 25°48 |
| T 15 | 7 35 48 | 24°10'13 | 24°52 | 2°52 | 7°36 | 5°32 | 18°19 | 5°11 | 9°51 | 22°47 | 16° 4 | 19°15 | 18°52 | 17°41 | 25°47 |
| F 16 | 7 39 45 | 25°11'20 | 7°1 | 3°13 | 8°51 | 6°19 | 18°31 | 5°16 | 9°49 | 22°48 | 16° 5 | 19°15 | 18°49 | 17°48 | 25°46 |
| S 17 | 7 43 41 | 26°12'26 | 19° 1 | 3°41 | 10° 7 | 7° 6 | 18°43 | 5°22 | 9°48 | 22°48 | 16° 7 | 19°R16 | 18°46 | 17°55 | 25°44 |
| S 18 | 7 47 38 | 27°13'32 | 0°56 | 4°15 | 11°22 | 7°53 | 18°55 | 5°27 | 9°46 | 22°48 | 16° 9 | 19°15 | 18°42 | 18° 1 | 25°43 |
| M19 | 7 51 34 | 28°14'37 | 12°47 | 4°54 | 12°37 | 8°40 | 19° 7 | 5°32 | 9°45 | 22°48 | 16°11 | 19°15 | 18°39 | 18° 8 | 25°42 |
| T 20 | 7 55 31 | 29°15'43 | 24°36 | 5°39 | 13°52 | 9°27 | 19°19 | 5°37 | 9°43 | 22°49 | 16°12 | 19°14 | 18°36 | 18°15 | 25°41 |
| W21 | 7 59 27 | 0°16'47 | 6°25 | 6°28 | 15° 8 | 10°14 | 19°31 | 5°42 | 9°42 | 22°49 | 16°14 | 19°12 | 18°33 | 18°21 | 25°40 |
| T 22 | 8 3 24 | 1°17'52 | 18°17 | 7°20 | 16°23 | 11° 1 | 19°42 | 5°47 | 9°41 | 22°49 | 16°16 | 19°10 | 18°30 | 18°28 | 25°39 |
| F 23 | 8 7 21 | 2°18'56 | 0°16 | 8°17 | 17°38 | 11°49 | 19°54 | 5°52 | 9°39 | 22°49 | 16°18 | 19° 8 | 18°27 | 18°35 | 25°39 |
| S 24 | 8 11 17 | 3°20'00 | 12°24 | 9°16 | 18°53 | 12°36 | 20° 5 | 5°57 | 9°38 | 22°R49 | 16°20 | 19° 7 | 18°23 | 18°41 | 25°38 |
| S 25 | 8 15 14 | 4°21'03 | 24°45 | 10°19 | 20° 9 | 13°23 | 20°17 | 6° 2 | 9°37 | 22°49 | 16°21 | 19° 6 | 18°20 | 18°48 | 25°37 |
| M26 | 8 19 10 | 5°22'06 | 7°24 | 11°24 | 21°24 | 14°10 | 20°28 | 6° 7 | 9°36 | 22°49 | 16°23 | 19°D 6 | 18°17 | 18°55 | 25°37 |
| T 27 | 8 23 7 | 6°23'09 | 20°25 | 12°31 | 22°39 | 14°57 | 20°40 | 6°12 | 9°35 | 22°49 | 16°25 | 19° 6 | 18°14 | 19° 1 | 25°36 |
| W28 | 8 27 3 | 7°24'12 | 3°45 | 13°41 | 23°55 | 15°45 | 20°51 | 6°16 | 9°34 | 22°49 | 16°27 | 19° 7 | 18°11 | 19° 8 | 25°36 |
| T 29 | 8 31 0 | 8°25'14 | 17°43 | 14°53 | 25°10 | 16°32 | 21° 2 | 6°21 | 9°33 | 22°49 | 16°29 | 19° 9 | 18° 7 | 19°15 | 25°35 |
| F 30 | 8 34 56 | 9°26'15 | 2°2 | 16° 6 | 26°25 | 17°19 | 21°13 | 6°25 | 9°32 | 22°48 | 16°30 | 19°10 | 18° 4 | 19°21 | 25°35 |
| S 31 | 8 38 53 | 10°27'16 | 16°46 | 17°21 | 27°40 | 18°37 | 21°24 | 6°30 | 9°II31 | 22°48 | 16°32 | 19°R10 | 18°1 | 19°28 | 25°35 |

Delta T = 10m35s

FEBRUARY 2280

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|--------|-------|-------|-------|-------|------|--------|--------|-------|--------|-------|-------|--------|
| S 1 | 8 42 50 | 11°28'17 | 1°49 | 18°38 | 28°56 | 18°54 | 21°35 | 6°34 | 9°R30 | 22°R48 | 16°34 | 19°R10 | 17°58 | 19°35 | 25°R34 |
| M 2 | 8 46 46 | 12°29'16 | 17° 3 | 19°56 | 0°11 | 19°41 | 21°46 | 6°38 | 9°II29 | 22°48 | 16°36 | 19°38 | 17°55 | 19°41 | 25°34 |
| T 3 | 8 50 43 | 13°30'15 | 2°17 | 21°15 | 1°26 | 20°29 | 21°56 | 6°42 | 9°29 | 22°47 | 16°38 | 19° 6 | 17°52 | 19°48 | 25°D34 |
| W 4 | 8 54 39 | 14°31'12 | 17°22 | 22°36 | 2°41 | 21°16 | 22° 7 | 6°46 | 9°28 | 22°47 | 16°40 | 19° 2 | 17°48 | 19°55 | 25°34 |
| T 5 | 8 58 36 | 15°32'08 | 2°9 | 23°57 | 3°57 | 22° 4 | 22°18 | 6°50 | 9°27 | 22°47 | 16°42 | 18°58 | 17°45 | 20° 1 | 25°34 |
| F 6 | 9 2 32 | 16°33'03 | 16°32 | 25°20 | 5°12 | 22°51 | 22°28 | 6°54 | 9°27 | 22°46 | 16°43 | 18°55 | 17°42 | 20° 8 | 25°34 |
| S 7 | 9 6 29 | 17°33'57 | 0°27 | 26°44 | 6°27 | 23°38 | 22°38 | 6°58 | 9°26 | 22°46 | 16°45 | 18°53 | 17°39 | 20°15 | 25°35 |
| S 8 | 9 10 25 | 18°34'49 | 13°54 | 28° 9 | 7°42 | 24°26 | 22°49 | 7° 2 | 9°26 | 22°45 | 16°47 | 18°D51 | 17°36 | 20°21 | 25°35 |
| M 9 | 9 14 22 | 19°35'40 | 26°55 | 29°35 | 8°58 | 25°13 | 22°59 | 7° 5 | 9°25 | 22°45 | 16°49 | 18°51 | 17°33 | 20°28 | 25°35 |
| T 10 | 9 18 19 | 20°36'30 | 9°II35 | 1°1 | 10°13 | 26° 1 | 23° 9 | 7° 9 | 9°25 | 22°44 | 16°51 | 18°53 | 17°29 | 20°35 | 25°36 |
| W11 | 9 22 15 | 21°37'18 | 21°56 | 2°29 | 11°28 | 26°48 | 23°19 | 7°12 | 9°25 | 22°44 | 16°53 | 18°54 | 17°26 | 20°41 | 25°36 |
| T 12 | 9 26 12 | 22°38'05 | 4°4 | 3°58 | 12°43 | 27°36 | 23°28 | 7°16 | 9°24 | 22°43 | 16°54 | 18°56 | 17°23 | 20°48 | 25°37 |
| F 13 | 9 30 8 | 23°38'50 | 16° 2 | 5°27 | 13°58 | 28°23 | 23°38 | 7°19 | 9°24 | 22°42 | 16°56 | 18°R57 | 17°20 | 20°55 | 25°37 |
| S 14 | 9 34 5 | 24°39'34 | 27°54 | 6°57 | 15°14 | 29°10 | 23°48 | 7°22 | 9°24 | 22°42 | 16°58 | 18°57 | 17°17 | 21° 1 | 25°38 |
| S 15 | 9 38 1 | 25°40'17 | 9°43 | 8°28 | 16°29 | 29°58 | 23°57 | 7°25 | 9°24 | 22°41 | 17° 0 | 18°55 | 17°13 | 21° 8 | 25°39 |
| M16 | 9 41 58 | 26°40'58 | 21°32 | 10° 0 | 17°44 | 0°45 | 24° 7 | 7°29 | 9°24 | 22°40 | 17° 2 | 18°50 | 17°10 | 21°15 | 25°40 |
| T 17 | 9 45 54 | 27°41'38 | 3°22 | 11°33 | 18°59 | 1°33 | 24°16 | 7°31 | 9°D24 | 22°40 | 17° 4 | 18°45 | 17° 7 | 21°21 | 25°40 |
| W18 | 9 49 51 | 28°42'16 | 15°16 | 13° 7 | 20°14 | 2°20 | 24°25 | 7°34 | 9°24 | 22°39 | 17° 5 | 18°37 | 17° 4 | 21°28 | 25°41 |
| T 19 | 9 53 48 | 29°42'54 | 27°14 | 14°41 | 21°29 | 3° 8 | 24°34 | 7°37 | 9°24 | 22°38 | 17° 7 | 18°29 | 17° 1 | 21°35 | 25°42 |
| F 20 | 9 57 44 | 0°43'29 | 9°20 | 16°17 | 22°45 | 3°55 | 24°43 | 7°40 | 9°24 | 22°37 | 17° 9 | 18°21 | 16°58 | 21°41 | 25°44 |
| S 21 | 10 1 41 | 1°44'04 | 21°34 | 17°53 | 24° 0 | 4°43 | 24°52 | 7°42 | 9°24 | 22°36 | 17°11 | 18°14 | 16°54 | 21°48 | 25°45 |
| S 22 | 10 5 37 | 2°44'37 | 3°59 | 19°30 | 25°15 | 5°30 | 25° 0 | 7°45 | 9°25 | 22°35 | 17°13 | 18° 8 | 16°51 | 21°55 | 25°46 |
| M23 | 10 9 34 | 3°45'09 | 16°38 | 21° 8 | 26°30 | 6°18 | 25° 9 | 7°47 | 9°25 | 22°34 | 17°14 | 18° 5 | 16°48 | 22° 1 | 25°47 |
| T 24 | 10 13 30 | 4°45'40 | 29°34 | 22°47 | 27°45 | 7° 5 | 25°17 | 7°49 | 9°25 | 22°33 | 17°16 | 18°D 3 | 16°45 | 22° 8 | 25°48 |
| W25 | 10 17 27 | 5°46'10 | 12°51 | 24°27 | 29° 0 | 7°52 | 25°26 | 7°52 | 9°26 | 22°32 | 17°18 | 18° 3 | 16°42 | 22°15 | 25°50 |
| T 26 | 10 21 23 | 6°46'38 | 26°30 | 26° 7 | 0°15 | 8°40 | 25°34 | 7°54 | 9°26 | 22°31 | 17°20 | 18° 4 | 16°38 | 22°21 | 25°51 |
| F 27 | 10 25 20 | 7°47'05 | 10°35 | 27°49 | 1°30 | 9°27 | 25°42 | 7°56 | 9°27 | 22°30 | 17°21 | 18° 5 | 16°35 | 22°28 | 25°53 |
| S 28 | 10 29 17 | 8°47'31 | 25° 4 | 29°32 | 2°45 | 10°15 | 25°50 | 7°57 | 9°27 | 22°29 | 17°23 | 18°R 5 | 16°32 | 22°35 | 25°55 |
| S 29 | 10 33 13 | 9°47'56 | 9°55 | 1°15 | 4°0 | 11°2 | 25°58 | 7°59 | 9°II28 | 22°28 | 17°25 | 18°3 | 16°29 | 22°41 | 25°56 |

Delta T = 10m36s

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SWISS EPHEMERIS for the year 2280

MARCH 2280

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|-----------|-------|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|-------|--------|---|---|---|---|---|---|---|---|
| M 1 | 10 37 10 | 10♋48'19 | 25♌2 | 3♌0 | 5♌16 | 11♌49 | 26♌5 | 8♌1 | 9♌29 | 22°R27 | 17♌27 | 17°R59 | 16♌26 | 22♌48 | 25♌58 | | | | | | | | |
| T 2 | 10 41 6 | 11°48'40 | 10♌16 | 4°46 | 6°31 | 12°37 | 26°13 | 8°3 | 9°29 | 22♌26 | 17°28 | 17♌52 | 16°23 | 22°55 | 26°0 | | | | | | | | |
| W 3 | 10 45 3 | 12°48'59 | 25°26 | 6°32 | 7°46 | 13°24 | 26°20 | 8°4 | 9°30 | 22°25 | 17°30 | 17°44 | 16°19 | 23°1 | 26°2 | | | | | | | | |
| T 4 | 10 48 59 | 13°49'17 | 10♌23 | 8°20 | 9°1 | 14°12 | 26°27 | 8°5 | 9°31 | 22°24 | 17°32 | 17°35 | 16°16 | 23°8 | 26°3 | | | | | | | | |
| F 5 | 10 52 56 | 14°49'33 | 24°57 | 10°8 | 10°16 | 14°59 | 26°34 | 8°7 | 9°32 | 22°22 | 17°33 | 17°26 | 16°13 | 23°15 | 26°5 | | | | | | | | |
| S 6 | 10 56 52 | 15°49'47 | 9♌4 | 11°58 | 11°31 | 15°46 | 26°41 | 8°8 | 9°33 | 22°21 | 17°35 | 17°19 | 16°10 | 23°21 | 26°7 | | | | | | | | |
| S 7 | 11 0 49 | 16°49'59 | 22°40 | 13°49 | 12°46 | 16°34 | 26°48 | 8°9 | 9°34 | 22°20 | 17°37 | 17°14 | 16°7 | 23°28 | 26°10 | | | | | | | | |
| M 8 | 11 4 46 | 17°50'09 | 5♌48 | 15°40 | 14°1 | 17°21 | 26°55 | 8°10 | 9°35 | 22°19 | 17°38 | 17°11 | 16°4 | 23°35 | 26°12 | | | | | | | | |
| T 9 | 11 8 42 | 18°50'16 | 18°30 | 17°33 | 15°16 | 18°8 | 27°1 | 8°11 | 9°36 | 22°17 | 17°40 | 17°D11 | 16°0 | 23°41 | 26°14 | | | | | | | | |
| W10 | 11 12 39 | 19°50'22 | 0♌50 | 19°26 | 16°31 | 18°56 | 27°7 | 8°12 | 9°37 | 22°16 | 17°42 | 17°11 | 15°57 | 23°48 | 26°16 | | | | | | | | |
| T 11 | 11 16 35 | 20°50'26 | 12°55 | 21°21 | 17°45 | 19°43 | 27°14 | 8°12 | 9°38 | 22°15 | 17°43 | 17°R12 | 15°54 | 23°55 | 26°18 | | | | | | | | |
| F 12 | 11 20 32 | 21°50'27 | 24°50 | 23°16 | 19°0 | 20°30 | 27°20 | 8°13 | 9°40 | 22°13 | 17°45 | 17°12 | 15°51 | 24°2 | 26°21 | | | | | | | | |
| S 13 | 11 24 28 | 22°50'27 | 6♌39 | 25°12 | 20°15 | 21°17 | 27°25 | 8°13 | 9°41 | 22°12 | 17°46 | 17°9 | 15°48 | 24°8 | 26°23 | | | | | | | | |
| S 14 | 11 28 25 | 23°50'24 | 18°26 | 27°9 | 21°30 | 22°4 | 27°31 | 8°14 | 9°42 | 22°11 | 17°48 | 17°5 | 15°44 | 24°15 | 26°26 | | | | | | | | |
| M15 | 11 32 21 | 24°50'19 | 0♌15 | 29°7 | 22°45 | 22°52 | 27°37 | 8°14 | 9°44 | 22°9 | 17°49 | 16°58 | 15°41 | 24°22 | 26°28 | | | | | | | | |
| T 16 | 11 36 18 | 25°50'13 | 12°9 | 1°Y4 | 24°0 | 23°39 | 27°42 | 8°14 | 9°45 | 22°8 | 17°51 | 16°48 | 15°38 | 24°28 | 26°31 | | | | | | | | |
| W17 | 11 40 15 | 26°50'04 | 24°10 | 3°3 | 25°15 | 24°26 | 27°47 | 8°R14 | 9°47 | 22°6 | 17°52 | 16°36 | 15°35 | 24°35 | 26°33 | | | | | | | | |
| T 18 | 11 44 11 | 27°49'53 | 6♌18 | 5°1 | 26°29 | 25°13 | 27°52 | 8°14 | 9°48 | 22°5 | 17°54 | 16°23 | 15°32 | 24°42 | 26°36 | | | | | | | | |
| F 19 | 11 48 8 | 28°49'40 | 18°36 | 6°59 | 27°44 | 26°0 | 27°57 | 8°14 | 9°50 | 22°3 | 17°55 | 16°9 | 15°29 | 24°48 | 26°39 | | | | | | | | |
| S 20 | 11 52 4 | 29°49'26 | 1♌3 | 8°57 | 28°59 | 26°47 | 28°2 | 8°14 | 9°51 | 22°2 | 17°57 | 15°57 | 15°25 | 24°55 | 26°42 | | | | | | | | |
| S 21 | 11 56 1 | 0°Y49'10 | 13°40 | 10°54 | 0°Y14 | 27°34 | 28°7 | 8°13 | 9°53 | 22°0 | 17°58 | 15°47 | 15°22 | 25°2 | 26°45 | | | | | | | | |
| M22 | 11 59 57 | 1°48'52 | 26°29 | 12°51 | 1°29 | 28°21 | 28°11 | 8°13 | 9°55 | 21°59 | 18°0 | 15°40 | 15°19 | 25°8 | 26°47 | | | | | | | | |
| T 23 | 12 3 54 | 2°48'32 | 9♌31 | 14°46 | 2°43 | 29°8 | 28°15 | 8°12 | 9°56 | 21°57 | 18°1 | 15°36 | 15°16 | 25°15 | 26°50 | | | | | | | | |
| W24 | 12 7 50 | 3°48'10 | 22°47 | 16°39 | 3°58 | 29°55 | 28°19 | 8°12 | 9°58 | 21°56 | 18°3 | 15°34 | 15°13 | 25°22 | 26°53 | | | | | | | | |
| T 25 | 12 11 47 | 4°47'47 | 6♌21 | 18°30 | 5°13 | 0°Y42 | 28°23 | 8°11 | 10°0 | 21°54 | 18°4 | 15°D33 | 15°10 | 25°28 | 26°56 | | | | | | | | |
| F 26 | 12 15 43 | 5°47'23 | 20°14 | 20°18 | 6°27 | 1°29 | 28°27 | 8°10 | 10°2 | 21°53 | 18°5 | 15°R33 | 15°6 | 25°35 | 27°0 | | | | | | | | |
| S 27 | 12 19 40 | 6°46'56 | 4♌27 | 22°4 | 7°42 | 2°16 | 28°30 | 8°9 | 10°4 | 21°51 | 18°7 | 15°32 | 15°3 | 25°42 | 27°3 | | | | | | | | |
| S 28 | 12 23 37 | 7°46'28 | 18°58 | 23°46 | 8°57 | 3°3 | 28°34 | 8°8 | 10°6 | 21°50 | 18°8 | 15°29 | 15°0 | 25°48 | 27°6 | | | | | | | | |
| M29 | 12 27 33 | 8°45'58 | 3♌45 | 25°24 | 10°11 | 3°50 | 28°37 | 8°7 | 10°8 | 21°48 | 18°9 | 15°24 | 14°57 | 25°55 | 27°9 | | | | | | | | |
| T 30 | 12 31 30 | 9°45'26 | 18°41 | 26°58 | 11°26 | 4°37 | 28°40 | 8°6 | 10°10 | 21°46 | 18°10 | 15°15 | 14°54 | 26°2 | 27°12 | | | | | | | | |
| W31 | 12 35 26 | 10°Y44'52 | 3°Y38 | 28°Y27 | 12°Y41 | 5°Y23 | 28°Y43 | 8°Y5 | 10°Y12 | 21°Y45 | 18°Y12 | 15°Y4 | 14°Y50 | 26°Y8 | 27°Y16 | | | | | | | | |

Delta T = 10m36s

APRIL 2280

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|-----------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|---|---|---|---|---|---|---|---|
| T 1 | 12 39 23 | 11°Y44'16 | 18°Y26 | 29°Y51 | 13°Y55 | 6°Y10 | 28°Y45 | 8°R3 | 10°Y14 | 21°R43 | 18°Y13 | 14°R52 | 14°Y47 | 26°Y15 | 27°Y19 | | | | | | | | |
| F 2 | 12 43 19 | 12°43'38 | 2♌58 | 1♌10 | 15°10 | 6°57 | 28°48 | 8°Y2 | 10°17 | 21°Y42 | 18°14 | 14°Y41 | 14°44 | 26°22 | 27°22 | | | | | | | | |
| S 3 | 12 47 16 | 13°42'58 | 17°5 | 2°23 | 16°24 | 7°43 | 28°50 | 8°0 | 10°19 | 21°40 | 18°15 | 14°31 | 14°41 | 26°28 | 27°26 | | | | | | | | |
| S 4 | 12 51 12 | 14°42'16 | 0♌45 | 3°29 | 17°39 | 8°30 | 28°52 | 7°58 | 10°21 | 21°38 | 18°16 | 14°23 | 14°38 | 26°35 | 27°29 | | | | | | | | |
| M 5 | 12 55 9 | 15°41'32 | 13°58 | 4°30 | 18°53 | 9°17 | 28°54 | 7°56 | 10°24 | 21°37 | 18°18 | 14°18 | 14°35 | 26°42 | 27°33 | | | | | | | | |
| T 6 | 12 59 6 | 16°40'45 | 26°44 | 5°24 | 20°8 | 10°3 | 28°56 | 7°55 | 10°26 | 21°35 | 18°19 | 14°16 | 14°31 | 26°48 | 27°36 | | | | | | | | |
| W 7 | 13 3 2 | 17°39'57 | 9♌8 | 6°11 | 21°22 | 10°50 | 28°57 | 7°53 | 10°28 | 21°33 | 18°20 | 14°15 | 14°28 | 26°55 | 27°40 | | | | | | | | |
| T 8 | 13 6 59 | 18°39'05 | 21°15 | 6°51 | 22°37 | 11°36 | 28°59 | 7°51 | 10°31 | 21°32 | 18°21 | 14°15 | 14°25 | 27°2 | 27°44 | | | | | | | | |
| F 9 | 13 10 55 | 19°38'12 | 3♌11 | 7°25 | 23°51 | 12°23 | 29°0 | 7°48 | 10°33 | 21°30 | 18°22 | 14°15 | 14°22 | 27°8 | 27°47 | | | | | | | | |
| S 10 | 13 14 52 | 20°37'16 | 15°1 | 7°51 | 25°6 | 13°9 | 29°1 | 7°46 | 10°36 | 21°28 | 18°23 | 14°13 | 14°19 | 27°15 | 27°51 | | | | | | | | |
| S 11 | 13 18 48 | 21°36'18 | 26°49 | 8°11 | 26°20 | 13°56 | 29°2 | 7°44 | 10°38 | 21°27 | 18°24 | 14°8 | 14°15 | 27°22 | 27°55 | | | | | | | | |
| M12 | 13 22 45 | 22°35'18 | 8♌41 | 8°23 | 27°34 | 14°42 | 29°2 | 7°41 | 10°41 | 21°25 | 18°25 | 14°1 | 14°12 | 27°29 | 27°58 | | | | | | | | |
| T 13 | 13 26 41 | 23°34'15 | 20°40 | 8°R29 | 28°49 | 15°28 | 29°3 | 7°39 | 10°43 | 21°24 | 18°26 | 13°51 | 14°9 | 27°35 | 28°2 | | | | | | | | |
| W14 | 13 30 38 | 24°33'10 | 2♌48 | 8°28 | 0♌3 | 16°15 | 29°3 | 7°36 | 10°46 | 21°22 | 18°27 | 13°39 | 14°6 | 27°42 | 28°6 | | | | | | | | |
| T 15 | 13 34 35 | 25°32'03 | 15°8 | 8°21 | 1°17 | 17°1 | 29°R3 | 7°34 | 10°49 | 21°20 | 18°28 | 13°26 | 14°3 | 27°49 | 28°10 | | | | | | | | |
| F 16 | 13 38 31 | 26°30'55 | 27°40 | 8°7 | 2°32 | 17°47 | 29°3 | 7°31 | 10°52 | 21°19 | 18°29 | 13°13 | 14°0 | 27°55 | 28°14 | | | | | | | | |
| S 17 | 13 42 28 | 27°29'44 | 10♌25 | 7°48 | 3°46 | 18°33 | 29°2 | 7°28 | 10°54 | 21°17 | 18°30 | 13°1 | 13°56 | 28°2 | 28°18 | | | | | | | | |
| S 18 | 13 46 24 | 28°28'31 | 23°21 | 7°24 | 5°0 | 19°19 | 29°2 | 7°25 | 10°57 | 21°15 | 18°30 | 12°51 | 13°53 | 28°9 | 28°22 | | | | | | | | |
| M19 | 13 50 21 | 29°27'17 | 6♌28 | 6°55 | 6°14 | 20°5 | 29°1 | 7°22 | 11°0 | 21°14 | 18°31 | 12°44 | 13°50 | 28°15 | 28°26 | | | | | | | | |
| T 20 | 13 54 17 | 0♌26'00 | 19°46 | 6°22 | 7°29 | 20°51 | 29°0 | 7°19 | 11°3 | 21°12 | 18°32 | 12°39 | 13°47 | 28°22 | 28°30 | | | | | | | | |
| W21 | 13 58 14 | 1°24'42 | 3♌15 | 5°45 | 8°43 | 21°37 | 28°59 | 7°16 | 11°6 | 21°10 | 18°33 | 12°37 | 13°44 | 28°29 | 28°34 | | | | | | | | |
| T 22 | 14 2 10 | 2°23'23 | 16°56 | 5°6 | 9°57 | 22°23 | 28°58 | 7°13 | 11°8 | 21°9 | 18°34 | 12°D37 | 13°41 | 28°35 | 28°38 | | | | | | | | |
| F 23 | 14 6 7 | 3°22'02 | 0♌48 | 4°25 | 11°11 | 23°9 | 28°57 | 7°10 | 11°11 | 21°7 | 18°34 | 12°R37 | 13°37 | 28°42 | 28°42 | | | | | | | | |
| S 24 | 14 10 4 | 4°20'39 | 14°53 | 3°43 | 12°25 | 23°55 | 28°55 | 7°6 | 11°14 | 21°6 | 18°35 | 12°37 | 13°34 | 28°49 | 28°46 | | | | | | | | |
| S 25 | 14 14 0 | 5°19'14 | 29°9 | 3°0 | 13°39 | 24°41 | 28°53 | 7°3 | 11°17 | 21°4 | 18°36 | 12°35 | 13°31 | 28°55 | 28°50 | | | | | | | | |
| M26 | 14 17 57 | 6°17'48 | 13♌35 | 2°18 | 14°54 | 25°27 | 28°51 | 6°59 | 11°20 | 21°2 | 18°36 | 12°30 | 13°28 | 29°2 | 28°54 | | | | | | | | |
| T 27 | 14 21 53 | 7°16'20 | 28°6 | 1°38 | 16°8 | 26°12 | 28°49 | 6°56 | 11°23 | 21°1 | 18°37 | 12°23 | 13°25 | 29°9 | 28°58 | | | | | | | | |
| W28 | 14 25 50 | 8°14'50 | 12°Y38 | 0°59 | 17°22 | 26°58 | 28°47 | 6°52 | 11°26 | 20°59 | 18°37 | 12°14 | 13°21 | 29°15 | 29°2 | | | | | | | | |
| T 29 | 14 29 46 | 9°13'19 | 27°3 | 0°22 | 18°36 | 27°44 | 28°44 | 6°49 | 11°30 | 20°58 | 18°38 | 12°4 | 13°18 | 29°22 | 29°7 | | | | | | | | |
| F 30 | 14 33 43 | 10°Y11'46 | 11°Y16 | 29°Y49 | 19°Y50 | 28°Y29 | 28°Y41 | 6°Y45 | 11°Y33 | 20°Y56 | 18°Y39 | 11°Y54 | 13°Y15 | 29°Y29 | 29°Y11 | | | | | | | | |

Delta T = 10m36s

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SWISS EPHEMERIS for the year 2280

MAY 2280

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|--------|-------|--------|--------|-------|-------|--------|--------|--------|-------|--------|--------|---|---|---|---|---|---|---|---|
| S 1 | 14 37 39 | 11♁10'11 | 25♁10 | 29°R20 | 21♁ 4 | 29°V15 | 28°R38 | 6°R41 | 11♁36 | 20°R55 | 18♁39 | 11°R46 | 13♁12 | 29°Ω35 | 29°♁15 | | | | | | | | |
| S 2 | 14 41 36 | 12° 8'35 | 8♁42 | 28°V54 | 22°18 | 0♁ 1 | 28°A35 | 6♁37 | 11°39 | 20♁53 | 18°39 | 11♁39 | 13° 9 | 29°42 | 29°19 | | | | | | | | |
| M 3 | 14 45 33 | 13° 6'56 | 21°51 | 28°32 | 23°32 | 0°46 | 28°32 | 6°33 | 11°42 | 20°52 | 18°40 | 11°35 | 13° 6 | 29°49 | 29°24 | | | | | | | | |
| T 4 | 14 49 29 | 14° 5'16 | 4♁37 | 28°15 | 24°46 | 1°31 | 28°29 | 6°30 | 11°45 | 20°50 | 18°40 | 11°33 | 13° 2 | 29°56 | 29°28 | | | | | | | | |
| W 5 | 14 53 26 | 15° 3'33 | 17° 2 | 28° 3 | 26° 0 | 2°17 | 28°25 | 6°26 | 11°49 | 20°49 | 18°41 | 11°D33 | 12°59 | 0♁ 2 | 29°32 | | | | | | | | |
| T 6 | 14 57 22 | 16° 1'49 | 29°12 | 27°55 | 27°14 | 3° 2 | 28°21 | 6°22 | 11°52 | 20°47 | 18°41 | 11°34 | 12°56 | 0° 9 | 29°37 | | | | | | | | |
| F 7 | 15 1 19 | 17° 0'02 | 11♁10 | 27°D53 | 28°27 | 3°47 | 28°17 | 6°17 | 11°55 | 20°46 | 18°41 | 11°35 | 12°53 | 0°16 | 29°41 | | | | | | | | |
| S 8 | 15 5 15 | 17°58'13 | 23° 1 | 27°55 | 29°41 | 4°33 | 28°13 | 6°13 | 11°58 | 20°44 | 18°42 | 11°R35 | 12°50 | 0°22 | 29°45 | | | | | | | | |
| S 9 | 15 9 12 | 18°56'23 | 4♁52 | 28° 1 | 0♁55 | 5°18 | 28° 9 | 6° 9 | 12° 2 | 20°43 | 18°42 | 11°33 | 12°47 | 0°29 | 29°50 | | | | | | | | |
| M10 | 15 13 8 | 19°54'30 | 16°46 | 28°13 | 2° 9 | 6° 3 | 28° 4 | 6° 5 | 12° 5 | 20°42 | 18°42 | 11°30 | 12°43 | 0°36 | 29°54 | | | | | | | | |
| T 11 | 15 17 5 | 20°52'36 | 28°49 | 28°29 | 3°23 | 6°48 | 28° 0 | 6° 1 | 12° 8 | 20°40 | 18°43 | 11°24 | 12°40 | 0°42 | 29°58 | | | | | | | | |
| W12 | 15 21 2 | 21°50'40 | 11♁ 4 | 28°50 | 4°36 | 7°33 | 27°55 | 5°57 | 12°12 | 20°39 | 18°43 | 11°17 | 12°37 | 0°49 | 0♁ 3 | | | | | | | | |
| T 13 | 15 24 58 | 22°48'41 | 23°33 | 29°15 | 5°50 | 8°18 | 27°50 | 5°52 | 12°15 | 20°37 | 18°43 | 11° 9 | 12°34 | 0°56 | 0° 7 | | | | | | | | |
| F 14 | 15 28 55 | 23°46'42 | 6♁18 | 29°44 | 7° 4 | 9° 3 | 27°45 | 5°48 | 12°18 | 20°36 | 18°43 | 11° 0 | 12°31 | 1° 2 | 0°12 | | | | | | | | |
| S 15 | 15 32 51 | 24°44'40 | 19°19 | 0♁17 | 8°18 | 9°48 | 27°40 | 5°44 | 12°22 | 20°35 | 18°43 | 10°52 | 12°27 | 1° 9 | 0°16 | | | | | | | | |
| S 16 | 15 36 48 | 25°42'37 | 2♁36 | 0°54 | 9°31 | 10°32 | 27°35 | 5°39 | 12°25 | 20°34 | 18°43 | 10°46 | 12°24 | 1°16 | 0°20 | | | | | | | | |
| M17 | 15 40 44 | 26°40'33 | 29° 6 | 1°35 | 10°45 | 11°17 | 27°29 | 5°35 | 12°29 | 20°32 | 18°43 | 10°41 | 12°21 | 1°22 | 0°25 | | | | | | | | |
| T 18 | 15 44 41 | 27°38'27 | 29°48 | 2°20 | 11°59 | 12° 2 | 27°23 | 5°31 | 12°32 | 20°31 | 18°43 | 10°39 | 12°18 | 1°29 | 0°29 | | | | | | | | |
| W19 | 15 48 37 | 28°36'20 | 13♁40 | 3° 9 | 13°12 | 12°47 | 27°18 | 5°26 | 12°35 | 20°30 | 18°R44 | 10°D39 | 12°15 | 1°36 | 0°34 | | | | | | | | |
| T 20 | 15 52 34 | 29°34'11 | 27°39 | 4° 0 | 14°26 | 13°31 | 27°12 | 5°22 | 12°39 | 20°29 | 18°44 | 10°39 | 12°12 | 1°43 | 0°38 | | | | | | | | |
| F 21 | 15 56 31 | 0♁32'01 | 11♁43 | 4°55 | 15°39 | 14°16 | 27° 6 | 5°17 | 12°42 | 20°27 | 18°43 | 10°41 | 12° 8 | 1°49 | 0°42 | | | | | | | | |
| S 22 | 16 0 27 | 1°29'51 | 25°52 | 5°54 | 16°53 | 15° 0 | 27° 0 | 5°13 | 12°46 | 20°26 | 18°43 | 10°R42 | 12° 5 | 1°56 | 0°47 | | | | | | | | |
| S 23 | 16 4 24 | 2°27'39 | 10♁ 4 | 6°55 | 18° 6 | 15°45 | 26°54 | 5° 8 | 12°49 | 20°25 | 18°43 | 10°42 | 12° 2 | 2° 3 | 0°51 | | | | | | | | |
| M24 | 16 8 20 | 3°25'25 | 24°16 | 7°59 | 19°20 | 16°29 | 26°47 | 5° 4 | 12°53 | 20°24 | 18°43 | 10°40 | 11°59 | 2° 9 | 0°56 | | | | | | | | |
| T 25 | 16 12 17 | 4°23'11 | 8°V26 | 9° 7 | 20°33 | 17°13 | 26°41 | 4°59 | 12°56 | 20°23 | 18°43 | 10°37 | 11°56 | 2°16 | 1° 0 | | | | | | | | |
| W26 | 16 16 13 | 5°20'56 | 22°32 | 10°17 | 21°47 | 17°58 | 26°34 | 4°55 | 13° 0 | 20°22 | 18°43 | 10°32 | 11°52 | 2°23 | 1° 5 | | | | | | | | |
| T 27 | 16 20 10 | 6°18'39 | 6♁29 | 11°30 | 23° 0 | 18°42 | 26°27 | 4°51 | 13° 3 | 20°21 | 18°43 | 10°27 | 11°49 | 2°29 | 1° 9 | | | | | | | | |
| F 28 | 16 24 6 | 7°16'22 | 20°15 | 12°45 | 24°14 | 19°26 | 26°21 | 4°46 | 13° 7 | 20°20 | 18°43 | 10°22 | 11°46 | 2°36 | 1°14 | | | | | | | | |
| S 29 | 16 28 3 | 8°14'03 | 3♁46 | 14° 4 | 25°27 | 20°10 | 26°14 | 4°42 | 13°10 | 20°19 | 18°42 | 10°17 | 11°43 | 2°43 | 1°18 | | | | | | | | |
| S 30 | 16 32 0 | 9°11'44 | 17° 0 | 15°25 | 26°41 | 20°54 | 26° 7 | 4°37 | 13°14 | 20°18 | 18°42 | 10°14 | 11°40 | 2°49 | 1°22 | | | | | | | | |
| M31 | 16 35 56 | 10♁ 9'23 | 29♁56 | 16♁48 | 27♁54 | 21♁39 | 26♁ 0 | 4♁33 | 13♁17 | 20♁17 | 18♁42 | 10♁12 | 11♁37 | 2♁56 | 1♁27 | | | | | | | | |

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JUNE 2280

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|-------|------|------|---|---|---|---|---|---|---|---|
| T 1 | 16 39 53 | 11♁ 7'00 | 12♁34 | 18♁14 | 29♁ 7 | 22♁22 | 25°R53 | 4°R28 | 13♁21 | 20°R16 | 18°R41 | 10°D12 | 11♁33 | 3♁ 3 | 1♁31 | | | | | | | | |
| W 2 | 16 43 49 | 12° 4'37 | 24°55 | 19°43 | 0♁21 | 23° 6 | 25°A46 | 4♁24 | 13°24 | 20♁15 | 18♁41 | 10♁13 | 11°30 | 3°10 | 1°36 | | | | | | | | |
| T 3 | 16 47 46 | 13° 2'12 | 7♁ 4 | 21°14 | 1°34 | 23°50 | 25°38 | 4°19 | 13°28 | 20°14 | 18°41 | 10°14 | 11°27 | 3°16 | 1°40 | | | | | | | | |
| F 4 | 16 51 42 | 13°59'45 | 19° 2 | 22°47 | 2°47 | 24°34 | 25°31 | 4°15 | 13°31 | 20°13 | 18°40 | 10°16 | 11°24 | 3°23 | 1°44 | | | | | | | | |
| S 5 | 16 55 39 | 14°57'18 | 0♁55 | 24°24 | 4° 1 | 25°18 | 25°24 | 4°11 | 13°35 | 20°13 | 18°40 | 10°17 | 11°21 | 3°30 | 1°49 | | | | | | | | |
| S 6 | 16 59 35 | 15°54'49 | 12°46 | 26° 2 | 5°14 | 26° 2 | 25°16 | 4° 6 | 13°39 | 20°12 | 18°39 | 10°R18 | 11°18 | 3°36 | 1°53 | | | | | | | | |
| M 7 | 17 3 32 | 16°52'19 | 24°42 | 27°43 | 6°27 | 26°45 | 25° 9 | 4° 2 | 13°42 | 20°11 | 18°39 | 10°18 | 11°14 | 3°43 | 1°57 | | | | | | | | |
| T 8 | 17 7 29 | 17°49'47 | 6♁46 | 29°27 | 7°40 | 27°29 | 25° 1 | 3°58 | 13°46 | 20°10 | 18°38 | 10°16 | 11°11 | 3°50 | 2° 2 | | | | | | | | |
| W 9 | 17 11 25 | 18°47'14 | 19° 2 | 1♁13 | 8°54 | 28°12 | 24°54 | 3°54 | 13°49 | 20°10 | 18°38 | 10°14 | 11° 8 | 3°56 | 2° 6 | | | | | | | | |
| T 10 | 17 15 22 | 19°44'40 | 11♁36 | 3° 1 | 10° 7 | 28°56 | 24°46 | 3°49 | 13°53 | 20° 9 | 18°37 | 10°12 | 11° 5 | 4° 3 | 2°10 | | | | | | | | |
| F 11 | 17 19 18 | 20°42'05 | 14°28 | 4°52 | 11°20 | 29°39 | 24°38 | 3°45 | 13°56 | 20° 8 | 18°37 | 10° 9 | 11° 2 | 4°10 | 2°15 | | | | | | | | |
| S 12 | 17 23 15 | 21°39'29 | 27°41 | 6°45 | 12°33 | 0♁22 | 24°31 | 3°41 | 14° 0 | 20° 8 | 18°36 | 10° 6 | 10°58 | 4°17 | 2°19 | | | | | | | | |
| S 13 | 17 27 11 | 22°36'52 | 11♁14 | 8°40 | 13°46 | 1° 6 | 24°23 | 3°37 | 14° 3 | 20° 7 | 18°36 | 10° 4 | 10°55 | 4°23 | 2°23 | | | | | | | | |
| M14 | 17 31 8 | 23°34'15 | 25° 6 | 10°38 | 14°59 | 1°49 | 24°16 | 3°33 | 14° 7 | 20° 7 | 18°35 | 10° 3 | 10°52 | 4°30 | 2°27 | | | | | | | | |
| T 15 | 17 35 4 | 24°31'36 | 9♁13 | 12°38 | 16°12 | 2°32 | 24° 8 | 3°29 | 14°10 | 20° 6 | 18°34 | 10°D 2 | 10°49 | 4°37 | 2°32 | | | | | | | | |
| W16 | 17 39 1 | 25°28'57 | 23°31 | 14°40 | 17°25 | 3°15 | 24° 0 | 3°25 | 14°14 | 20° 6 | 18°34 | 10° 3 | 10°46 | 4°43 | 2°36 | | | | | | | | |
| T 17 | 17 42 58 | 26°26'17 | 7♁56 | 16°43 | 18°38 | 3°58 | 23°53 | 3°21 | 14°17 | 20° 5 | 18°33 | 10° 3 | 10°43 | 4°50 | 2°40 | | | | | | | | |
| F 18 | 17 46 54 | 27°23'37 | 22°22 | 18°49 | 19°51 | 4°41 | 23°45 | 3°17 | 14°21 | 20° 5 | 18°32 | 10° 4 | 10°39 | 4°57 | 2°44 | | | | | | | | |
| S 19 | 17 50 51 | 28°20'56 | 6♁47 | 20°56 | 21° 4 | 5°24 | 23°37 | 3°13 | 14°24 | 20° 4 | 18°31 | 10° 5 | 10°36 | 5° 3 | 2°48 | | | | | | | | |
| S 20 | 17 54 47 | 29°18'15 | 21° 5 | 23° 5 | 22°17 | 6° 7 | 23°30 | 3° 9 | 14°27 | 20° 4 | 18°31 | 10° 6 | 10°33 | 5°10 | 2°52 | | | | | | | | |
| M21 | 17 58 44 | 0♁15'33 | 5°V15 | 25°15 | 23°30 | 6°50 | 23°22 | 3° 6 | 14°31 | 20° 4 | 18°30 | 10°R 6 | 10°30 | 5°17 | 2°56 | | | | | | | | |
| T 22 | 18 2 40 | 1°12'51 | 19°13 | 27°25 | 24°43 | 7°33 | 23°15 | 3° 2 | 14°34 | 20° 3 | 18°29 | 10° 5 | 10°27 | 5°23 | 3° 0 | | | | | | | | |
| W23 | 18 6 37 | 2°10'09 | 3♁ 0 | 29°37 | 25°56 | 8°16 | 23° 7 | 2°58 | 14°38 | 20° 3 | 18°28 | 10° 5 | 10°24 | 5°30 | 3° 5 | | | | | | | | |
| T 24 | 18 10 33 | 3° 7'27 | 16°33 | 1♁48 | 27° 8 | 8°58 | 23° 0 | 2°55 | 14°41 | 20° 3 | 18°27 | 10° 4 | 10°20 | 5°37 | 3° 9 | | | | | | | | |
| F 25 | 18 14 30 | 4° 4'45 | 29°53 | 4° 0 | 28°21 | 9°41 | 22°52 | 2°51 | 14°45 | 20° 3 | 18°27 | 10° 3 | 10°17 | 5°44 | 3°13 | | | | | | | | |
| S 26 | 18 18 27 | 5° 2'02 | 12♁59 | 6°12 | 29°34 | 10°24 | 22°45 | 2°48 | 14°48 | 20° 3 | 18°26 | 10° 3 | 10°14 | 5°50 | 3°16 | | | | | | | | |
| S 27 | 18 22 23 | 5°59'19 | 25°51 | 8°23 | 0♁47 | 11° 6 | 22°38 | 2°44 | 14°51 | 20° 2 | 18°25 | 10° 2 | 10°11 | 5°57 | 3°20 | | | | | | | | |
| M28 | 18 26 20 | 6°56'35 | 8♁29 | 10°33 | 2° 0 | 11°49 | 22°30 | 2°41 | 14°55 | 20° 2 | 18°24 | 10°D 2 | 10° 8 | 6° 4 | 3°24 | | | | | | | | |
| T 29 | 18 30 16 | 7°53'52 | 20°54 | 12°43 | 3°12 | 12°31 | 22°23 | 2°38 | 14°58 | 20° 2 | 18°23 | 10° 2 | 10° 4 | 6°10 | 3°28 | | | | | | | | |
| W30 | 18 34 13 | 8♁51'07 | 3♁ 7 | 14♁51 | 4♁25 | 13♁13 | 22♁16 | 2♁35 | 15♁ 1 | 20♁ 2 | 18♁22 | 10♁ 2 | 10♁ 1 | 6♁17 | 3♁32 | | | | | | | | |

Delta T = 10m37s

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SWISS EPHEMERIS for the year 2280

JULY 2280

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|------|----------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------|
| T 1 | 18 38 9 | 9 ⁵⁸ 48'23 | 15 ¹⁰ 10 | 16 ⁵⁸ 58 | 5 ¹⁰ 38 | 13 ¹¹ 56 | 22 ² R 9 | 2 ² R32 | 15 ¹¹ 5 | 20 ² D 2 | 18 ² R21 | 10 ² R 2 | 9 ⁵⁸ 58 | 6 ¹⁷ 24 | 3 ¹¹ 36 |
| F 2 | 18 42 6 | 10 ⁴⁵ '38 | 27 ⁶ 6 | 19 ⁴ 4 | 6 ⁵⁰ 0 | 14 ³⁸ 2 | 22 ² ♂ 2 | 2 ² ♂29 | 15 ⁸ 8 | 20 ² ♁ 2 | 18 ² ♁20 | 10 ² ♁ 2 | 9 ⁵⁵ 5 | 6 ³⁰ 0 | 3 ⁴⁰ 0 |
| S 3 | 18 46 3 | 11 ⁴² '52 | 8 ¹⁷ 58 | 21 ⁸ 8 | 8 ³ 3 | 15 ²⁰ 2 | 21 ⁵⁵ 5 | 2 ²⁶ 2 | 15 ¹¹ 11 | 20 ² 2 | 18 ¹⁹ 19 | 10 ² 2 | 9 ⁵² 2 | 6 ³⁷ 3 | 3 ⁴³ 3 |
| S 4 | 18 49 59 | 12 ⁴⁰ '06 | 20 ⁴⁹ 20 | 23 ¹⁰ 23 | 9 ¹⁵ 9 | 16 ² 2 | 21 ⁴⁸ 21 | 2 ²³ 23 | 15 ¹⁴ 14 | 20 ² 2 | 18 ¹⁸ 18 | 10 ² 2 | 9 ⁴⁹ 49 | 6 ⁴⁴ 44 | 3 ⁴⁷ 47 |
| M 5 | 18 53 56 | 13 ³⁷ '20 | 2 ⁴⁴ 2 | 25 ¹⁰ 25 | 10 ²⁸ 10 | 16 ⁴⁴ 16 | 21 ⁴² 21 | 2 ²⁰ 20 | 15 ¹⁷ 17 | 20 ³ 3 | 18 ¹⁷ 18 | 10 ² 2 | 9 ⁴⁵ 45 | 6 ⁵¹ 51 | 3 ⁵¹ 51 |
| T 6 | 18 57 52 | 14 ³⁴ '33 | 14 ⁴⁷ 14 | 27 ⁹ 27 | 11 ⁴⁰ 11 | 17 ²⁶ 17 | 21 ³⁵ 21 | 2 ¹⁷ 17 | 15 ²¹ 15 | 20 ³ 3 | 18 ¹⁶ 18 | 10 ² D 2 | 9 ⁴² 42 | 6 ⁵⁷ 57 | 3 ⁵⁴ 54 |
| W 7 | 19 1 49 | 15 ³¹ '46 | 27 ³ 27 | 29 ⁵ 29 | 12 ⁵³ 12 | 18 ⁸ 18 | 21 ²⁹ 21 | 2 ¹⁵ 15 | 15 ²⁴ 15 | 20 ³ 3 | 18 ¹⁵ 18 | 10 ² 2 | 9 ³⁹ 39 | 7 ⁴ 7 | 3 ⁵⁸ 58 |
| T 8 | 19 5 45 | 16 ²⁸ '59 | 9 ¹¹ 35 | 1 ¹⁰ 0 | 14 ⁵ 14 | 18 ⁵⁰ 18 | 21 ²² 21 | 2 ¹² 12 | 15 ²⁷ 15 | 20 ³ 3 | 18 ¹³ 18 | 10 ² 2 | 9 ³⁶ 36 | 7 ¹¹ 7 | 4 ² 2 |
| F 9 | 19 9 42 | 17 ²⁶ '11 | 22 ²⁸ 22 | 2 ⁵² 2 | 15 ¹⁸ 15 | 19 ³² 19 | 21 ¹⁶ 21 | 2 ⁹ 9 | 15 ³⁰ 15 | 20 ³ 3 | 18 ¹² 18 | 10 ³ 3 | 9 ³³ 33 | 7 ¹⁷ 7 | 4 ⁵ 5 |
| S 10 | 19 13 38 | 18 ²³ '23 | 5 ² 44 | 4 ⁴³ 4 | 16 ³⁰ 16 | 20 ¹³ 20 | 21 ¹⁰ 21 | 2 ⁷ 7 | 15 ³³ 15 | 20 ⁴ 4 | 18 ¹¹ 18 | 10 ⁴ 4 | 9 ³⁰ 30 | 7 ²⁴ 7 | 4 ⁹ 9 |
| S 11 | 19 17 35 | 19 ²⁰ '35 | 19 ²⁴ 19 | 6 ³¹ 6 | 17 ⁴² 17 | 20 ⁵⁵ 20 | 21 ⁴ 21 | 2 ⁵ 5 | 15 ³⁶ 15 | 20 ⁴ 4 | 18 ¹⁰ 18 | 10 ⁴ 4 | 9 ²⁶ 26 | 7 ³¹ 7 | 4 ¹² 12 |
| M12 | 19 21 32 | 20 ¹⁷ '47 | 3 ³ 29 | 8 ¹⁸ 8 | 18 ⁵⁵ 18 | 21 ³⁷ 21 | 20 ⁵⁸ 20 | 2 ² 2 | 15 ³⁹ 15 | 20 ⁴ 4 | 18 ⁹ 18 | 10 ⁴ R 5 | 9 ²³ 23 | 7 ³⁸ 7 | 4 ¹⁶ 16 |
| T13 | 19 25 28 | 21 ¹⁴ '59 | 17 ⁵⁴ 17 | 10 ³ 10 | 20 ⁷ 20 | 22 ¹⁸ 22 | 20 ⁵³ 20 | 2 ⁰ 0 | 15 ⁴² 15 | 20 ⁵ 5 | 18 ⁸ 18 | 10 ⁵ 5 | 9 ²⁰ 20 | 7 ⁴⁴ 7 | 4 ¹⁹ 19 |
| W14 | 19 29 25 | 22 ¹² '11 | 2 ³⁶ 2 | 11 ⁴⁵ 11 | 21 ¹⁹ 21 | 23 ⁰ 23 | 20 ⁴⁷ 20 | 1 ⁵⁸ 1 | 15 ⁴⁵ 15 | 20 ⁵ 5 | 18 ⁷ 18 | 10 ⁴ 4 | 9 ¹⁷ 17 | 7 ⁵¹ 7 | 4 ²² 22 |
| T15 | 19 33 21 | 23 ⁹ '23 | 17 ²⁷ 17 | 13 ²⁶ 13 | 22 ³¹ 22 | 23 ⁴¹ 23 | 20 ⁴¹ 20 | 1 ⁵⁶ 1 | 15 ⁴⁸ 15 | 20 ⁵ 5 | 18 ⁵ 18 | 10 ³ 3 | 9 ¹⁴ 14 | 7 ⁵⁸ 7 | 4 ²⁶ 26 |
| F16 | 19 37 18 | 24 ⁶ '35 | 2 ¹⁹ 2 | 15 ⁴ 15 | 23 ⁴⁴ 23 | 24 ²³ 24 | 20 ³⁶ 20 | 1 ⁵⁴ 1 | 15 ⁵¹ 15 | 20 ⁶ 6 | 18 ⁴ 18 | 10 ¹ 1 | 9 ¹⁰ 10 | 8 ⁴ 8 | 4 ²⁹ 29 |
| S17 | 19 41 14 | 25 ³ '48 | 17 ⁵ 17 | 16 ⁴⁰ 16 | 24 ⁵⁶ 24 | 25 ⁴ 25 | 20 ³¹ 20 | 1 ⁵³ 1 | 15 ⁵⁴ 15 | 20 ⁶ 6 | 18 ³ 18 | 10 ⁰ 0 | 9 ⁷ 9 | 8 ¹¹ 8 | 4 ³² 32 |
| S18 | 19 45 11 | 26 ¹ '01 | 1 ¹ 39 | 18 ¹⁵ 18 | 26 ⁸ 26 | 25 ⁴⁵ 25 | 20 ²⁶ 20 | 1 ⁵¹ 1 | 15 ⁵⁷ 15 | 20 ⁷ 7 | 18 ² 18 | 9 ⁵⁸ 9 | 9 ⁴ 9 | 8 ¹⁸ 8 | 4 ³⁵ 35 |
| M19 | 19 49 7 | 26 ⁵⁸ '15 | 15 ⁵⁶ 15 | 19 ⁴⁷ 19 | 27 ²⁰ 27 | 26 ²⁷ 26 | 20 ²¹ 20 | 1 ⁴⁹ 1 | 16 ⁰ 16 | 20 ⁸ 8 | 18 ⁰ 18 | 9 ⁵⁷ 9 | 9 ¹ 9 | 8 ²⁴ 8 | 4 ³⁹ 39 |
| T20 | 19 53 4 | 27 ⁵⁵ '29 | 29 ⁵⁴ 29 | 21 ¹⁷ 21 | 28 ³² 28 | 27 ⁸ 27 | 20 ¹⁶ 20 | 1 ⁴⁸ 1 | 16 ³ 16 | 20 ⁸ 8 | 17 ⁵⁹ 17 | 9 ⁵⁷ D57 | 8 ⁵⁸ 8 | 8 ³¹ 8 | 4 ⁴² 42 |
| W21 | 19 57 1 | 28 ⁵² '44 | 13 ³ 31 | 22 ⁴⁶ 22 | 29 ⁴⁴ 29 | 27 ⁴⁹ 27 | 20 ¹² 20 | 1 ⁴⁶ 1 | 16 ⁶ 16 | 20 ⁹ 9 | 17 ⁵⁸ 17 | 9 ⁵⁷ 9 | 8 ⁵⁵ 8 | 8 ³⁸ 8 | 4 ⁴⁵ 45 |
| T22 | 20 0 57 | 29 ⁵⁰ '00 | 26 ⁵⁰ 26 | 24 ¹² 24 | 0 ¹¹ 56 | 28 ³⁰ 28 | 20 ⁷ 20 | 1 ⁴⁵ 1 | 16 ⁸ 16 | 20 ⁹ 9 | 17 ⁵⁷ 17 | 9 ⁵⁸ 9 | 8 ⁵¹ 8 | 8 ⁴⁵ 8 | 4 ⁴⁸ 48 |
| F23 | 20 4 54 | 0 ¹⁰ 47'17 | 9 ¹¹ 50 | 25 ³⁶ 25 | 2 ⁸ 2 | 29 ¹¹ 29 | 20 ³ 20 | 1 ⁴⁴ 1 | 16 ¹¹ 16 | 20 ¹⁰ 10 | 17 ⁵⁵ 17 | 10 ⁰ 0 | 8 ⁴⁸ 8 | 8 ⁵¹ 8 | 4 ⁵¹ 51 |
| S24 | 20 8 50 | 1 ⁴⁴ '34 | 22 ³⁶ 22 | 26 ⁵⁸ 26 | 3 ²⁰ 3 | 29 ⁵² 29 | 19 ⁵⁹ 19 | 1 ⁴² 1 | 16 ¹⁴ 16 | 20 ¹¹ 10 | 17 ⁵⁴ 17 | 10 ¹ 1 | 8 ⁴⁵ 8 | 8 ⁵⁸ 8 | 4 ⁵⁴ 54 |
| S25 | 20 12 47 | 2 ⁴¹ '52 | 5 ⁵ 8 | 28 ¹⁸ 28 | 4 ³¹ 4 | 0 ⁵ 33 | 19 ⁵⁵ 19 | 1 ⁴¹ 1 | 16 ¹⁷ 16 | 20 ¹² 12 | 17 ⁵³ 17 | 10 ² R 2 | 8 ⁴² 8 | 9 ⁵ 9 | 4 ⁵⁷ 57 |
| M26 | 20 16 43 | 3 ³⁹ '10 | 17 ²⁹ 17 | 29 ³⁵ 29 | 5 ⁴³ 5 | 1 ¹⁴ 1 | 19 ⁵¹ 19 | 1 ⁴⁰ 1 | 16 ¹⁹ 16 | 20 ¹² 12 | 17 ⁵² 17 | 10 ² 2 | 8 ³⁹ 8 | 9 ¹¹ 9 | 4 ⁵⁹ 59 |
| T27 | 20 20 40 | 4 ³⁶ '29 | 29 ⁴⁰ 29 | 0 ¹¹ 50 | 6 ⁵⁵ 6 | 1 ⁵⁴ 1 | 19 ⁴⁷ 19 | 1 ³⁹ 1 | 16 ²² 16 | 20 ¹³ 12 | 17 ⁵⁰ 17 | 10 ¹ 1 | 8 ³⁶ 8 | 9 ¹⁸ 9 | 5 ² 2 |
| W28 | 20 24 36 | 5 ³³ '49 | 11 ¹⁰ 43 | 2 ³ 2 | 8 ⁷ 8 | 2 ³⁵ 2 | 19 ⁴⁴ 19 | 1 ³⁹ 1 | 16 ²⁴ 16 | 20 ¹⁴ 13 | 17 ⁴⁹ 17 | 9 ⁵⁸ 9 | 8 ³² 8 | 9 ²⁵ 9 | 5 ⁵ 5 |
| T29 | 20 28 33 | 6 ³¹ '09 | 23 ⁴⁰ 23 | 3 ¹⁴ 3 | 9 ¹⁸ 9 | 3 ¹⁶ 3 | 19 ⁴¹ 19 | 1 ³⁸ 1 | 16 ²⁷ 16 | 20 ¹⁵ 14 | 17 ⁴⁸ 17 | 9 ⁵⁴ 9 | 8 ²⁹ 8 | 9 ³¹ 9 | 5 ⁸ 8 |
| F30 | 20 32 30 | 7 ²⁸ '30 | 5 ¹¹ 33 | 4 ²² 4 | 10 ³⁰ 10 | 3 ⁵⁶ 3 | 19 ³⁸ 19 | 1 ³⁷ 1 | 16 ³⁰ 16 | 20 ¹⁶ 15 | 17 ⁴⁶ 17 | 9 ⁵⁰ 9 | 8 ²⁶ 8 | 9 ³⁸ 9 | 5 ¹⁰ 10 |
| S31 | 20 36 26 | 8 ¹⁰ 25'51 | 17 ¹⁷ 24 | 5 ¹⁷ 27 | 11 ¹¹ 41 | 4 ⁵ 37 | 19 ³⁵ 19 | 1 ³⁷ 1 | 16 ³² 16 | 20 ¹⁷ 16 | 17 ⁴⁵ 17 | 9 ⁵⁴ 9 | 8 ²³ 8 | 9 ⁴⁵ 9 | 5 ¹³ 13 |

Delta T = 10m37s

AUGUST 2280

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | |
|-----|----------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|-------------------|---------------------|--------------------|
| S 1 | 20 40 23 | 9 ¹⁰ 23'12 | 29 ¹⁷ 15 | 6 ¹⁷ 30 | 12 ¹⁷ 53 | 5 ⁵ 17 | 19 ² R32 | 1 ² R36 | 16 ¹¹ 35 | 20 ¹⁸ 20 | 17 ² R44 | 9 ² R40 | 8 ² 20 | 9 ¹⁷ 52 | 5 ¹¹ 15 |
| M 2 | 20 44 19 | 10 ²⁰ '34 | 11 ¹⁵ 10 | 7 ³⁰ 7 | 14 ⁴ 14 | 5 ⁵⁸ 5 | 19 ² ♂29 | 1 ² ♂36 | 16 ³⁷ 16 | 20 ¹⁹ 19 | 17 ² ♁42 | 9 ² ♁36 | 8 ¹⁶ 8 | 9 ⁵⁸ 9 | 5 ¹⁸ 18 |
| T 3 | 20 48 16 | 11 ¹⁷ '57 | 23 ¹¹ 23 | 8 ²⁷ 8 | 15 ¹⁶ 15 | 6 ³⁸ 6 | 19 ²⁷ 19 | 1 ³⁶ 1 | 16 ³⁹ 16 | 20 ²⁰ 19 | 17 ⁴¹ 17 | 9 ³³ 9 | 8 ¹³ 8 | 10 ⁵ 10 | 5 ²⁰ 20 |
| W 4 | 20 52 12 | 12 ¹⁵ '20 | 5 ¹¹ 24 | 9 ²² 9 | 16 ²⁷ 16 | 7 ¹⁸ 7 | 19 ²⁵ 19 | 1 ³⁶ 1 | 16 ⁴² 16 | 20 ²¹ 20 | 17 ³⁹ 17 | 9 ³² 9 | 8 ¹⁰ 8 | 10 ¹² 10 | 5 ²³ 23 |
| T 5 | 20 56 9 | 13 ¹² '44 | 17 ⁵³ 17 | 10 ¹³ 10 | 17 ³⁹ 17 | 7 ⁵⁸ 7 | 19 ²³ 19 | 1 ³⁶ 1 | 16 ⁴⁴ 16 | 20 ²² 21 | 17 ³⁸ 17 | 9 ³² D32 | 8 ⁷ 8 | 10 ¹⁸ 10 | 5 ²⁵ 25 |
| F 6 | 21 0 5 | 14 ¹⁰ '08 | 0 ² 41 | 11 ⁰ 11 | 18 ⁵⁰ 18 | 8 ³⁹ 8 | 19 ²¹ 19 | 1 ³⁶ 1 | 16 ⁴⁶ 16 | 20 ²³ 22 | 17 ³⁷ 17 | 9 ³³ 9 | 8 ⁴ 8 | 10 ²⁵ 10 | 5 ²⁷ 27 |
| S 7 | 21 4 2 | 15 ⁷ '33 | 13 ⁵³ 13 | 11 ⁴⁵ 11 | 20 ¹ 20 | 9 ¹⁹ 9 | 19 ¹⁹ 19 | 1 ³⁶ 1 | 16 ⁴⁸ 16 | 20 ²⁴ 23 | 17 ³⁵ 17 | 9 ³⁴ 9 | 8 ¹ 8 | 10 ³² 10 | 5 ²⁹ 29 |
| S 8 | 21 7 59 | 16 ⁴ '59 | 27 ³¹ 27 | 12 ²⁵ 12 | 21 ¹² 21 | 9 ⁵⁹ 9 | 19 ¹⁸ 19 | 1 ³⁶ 1 | 16 ⁵¹ 16 | 20 ²⁵ 24 | 17 ³⁴ 17 | 9 ³⁶ 9 | 7 ⁵⁷ 7 | 10 ³⁹ 10 | 5 ³¹ 31 |
| M 9 | 21 11 55 | 17 ² '25 | 11 ³ 37 | 13 ² 13 | 22 ²³ 22 | 10 ³⁹ 10 | 19 ¹⁶ 19 | 1 ³⁷ 1 | 16 ⁵³ 16 | 20 ²⁷ 26 | 17 ³³ 17 | 9 ³⁶ R36 | 7 ⁵⁴ 7 | 10 ⁴⁵ 10 | 5 ³⁴ 34 |
| T10 | 21 15 52 | 17 ⁵⁹ '53 | 26 ⁹ 26 | 13 ³⁵ 13 | 23 ³⁵ 23 | 11 ¹⁹ 11 | 19 ¹⁵ 19 | 1 ³⁷ 1 | 16 ⁵⁵ 16 | 20 ²⁸ 27 | 17 ³¹ 17 | 9 ³⁵ 9 | 7 ⁵¹ 7 | 10 ⁵² 10 | 5 ³⁶ 36 |
| W11 | 21 19 48 | 18 ⁵⁷ '20 | 11 ³ 11 | 14 ⁴ 14 | 24 ⁴⁶ 24 | 11 ⁵⁹ 11 | 19 ¹⁴ 19 | 1 ³⁸ 1 | 16 ⁵⁷ 16 | 20 ²⁹ 28 | 17 ³⁰ 17 | 9 ³² 9 | 7 ⁴⁸ 7 | 10 ⁵⁹ 10 | 5 ³⁸ 38 |
| T12 | 21 23 45 | 19 ⁵⁴ '49 | 26 ¹¹ 26 | 14 ²⁹ 14 | 25 ⁵⁶ 25 | 12 ³⁸ 12 | 19 ¹⁴ 19 | 1 ³⁸ 1 | 16 ⁵⁹ 16 | 20 ³⁰ 29 | 17 ²⁹ 17 | 9 ²⁸ 9 | 7 ⁴⁵ 7 | 11 ⁵ 11 | 5 ³⁹ 39 |
| F13 | 21 27 41 | 20 ⁵² '19 | 11 ¹ 24 | 14 ⁴⁹ 14 | 27 ⁷ 27 | 13 ¹⁸ 13 | 19 ¹³ 19 | 1 ³⁹ 1 | 17 ¹ 17 | 20 ³² 31 | 17 ²⁷ 17 | 9 ²² 9 | 7 ⁴² 7 | 11 ¹² 11 | 5 ⁴¹ 41 |
| S14 | 21 31 38 | 21 ⁴⁹ '50 | 26 ³¹ 26 | 15 ⁴ 15 | 28 ¹⁸ 28 | 13 ⁵⁸ 13 | 19 ¹³ 19 | 1 ⁴⁰ 1 | 17 ³ 17 | 20 ³³ 32 | 17 ²⁶ 17 | 9 ¹⁶ 9 | 7 ³⁸ 7 | 11 ¹⁹ 11 | 5 ⁴³ 43 |

SWISS EPHEMERIS for the year 2280

SEPTEMBER 2280

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|-------------------|
| W 1 | 22 42 36 | 9 ^h 9'13 | 14 ^m 20 | 6°R 0 | 19 ^h 23 | 25 ^h 42 | 19 ^h 37 | 2 ^h 12 | 17 ^h 30 | 21 ^h 1 | 17°R 2 | 7°R50 | 6 ^h 41 | 13 ^m 20 | 6 ^h 5 |
| T 2 | 22 46 32 | 10° 7'11 | 26°46 | 5 ^m 11 | 20°32 | 26°20 | 19°40 | 2°14 | 17°31 | 21° 3 | 17 ^h 1 | 7 ^h 47 | 6°38 | 13°26 | 6° 6 |
| F 3 | 22 50 29 | 11° 5'10 | 9 ^m 30 | 4°26 | 21°42 | 26°59 | 19°44 | 2°17 | 17°32 | 21° 5 | 17° 0 | 7°D46 | 6°35 | 13°33 | 6° 6 |
| S 4 | 22 54 25 | 12° 3'11 | 22°35 | 3°46 | 22°51 | 27°37 | 19°47 | 2°20 | 17°33 | 21° 6 | 16°59 | 7°46 | 6°32 | 13°40 | 6° 7 |
| S 5 | 22 58 22 | 13° 1'13 | 6 ^h 3 | 3°12 | 24° 0 | 28°15 | 19°51 | 2°23 | 17°34 | 21° 8 | 16°57 | 7°R47 | 6°28 | 13°46 | 6° 7 |
| M 6 | 23 2 19 | 13°59'16 | 20° 4 | 2°44 | 25°10 | 28°54 | 19°54 | 2°26 | 17°35 | 21°10 | 16°56 | 7°46 | 6°25 | 13°53 | 6° 8 |
| T 7 | 23 6 15 | 14°57'20 | 4 ^h 29 | 2°24 | 26°19 | 29°32 | 19°58 | 2°29 | 17°36 | 21°12 | 16°55 | 7°44 | 6°22 | 14° 0 | 6° 8 |
| W 8 | 23 10 12 | 15°55'26 | 19°20 | 2°12 | 27°28 | 0 ^h 10 | 20° 3 | 2°32 | 17°37 | 21°14 | 16°54 | 7°39 | 6°19 | 14° 7 | 6° 8 |
| T 9 | 23 14 8 | 16°53'34 | 4 ^h 30 | 2°D 9 | 28°37 | 0°48 | 20° 7 | 2°35 | 17°37 | 21°16 | 16°53 | 7°31 | 6°16 | 14°13 | 6° 8 |
| F 10 | 23 18 5 | 17°51'43 | 19°50 | 2°14 | 29°45 | 1°26 | 20°11 | 2°38 | 17°38 | 21°18 | 16°52 | 7°22 | 6°13 | 14°20 | 6° 8 |
| S 11 | 23 22 1 | 18°49'53 | 5 ^h 7 | 2°28 | 0 ^h 54 | 2° 4 | 20°16 | 2°42 | 17°39 | 21°20 | 16°50 | 7°12 | 6° 9 | 14°27 | 6°R 8 |
| S 12 | 23 25 58 | 19°48'06 | 20°12 | 2°50 | 2° 3 | 2°42 | 20°21 | 2°45 | 17°39 | 21°22 | 16°49 | 7° 2 | 6° 6 | 14°33 | 6° 8 |
| M13 | 23 29 54 | 20°46'20 | 4 ^h 55 | 3°22 | 3°11 | 3°19 | 20°26 | 2°49 | 17°40 | 21°24 | 16°48 | 6°54 | 6° 3 | 14°40 | 6° 8 |
| T 14 | 23 33 51 | 21°44'37 | 19°10 | 4° 2 | 4°20 | 3°57 | 20°31 | 2°53 | 17°40 | 21°25 | 16°47 | 6°48 | 6° 0 | 14°47 | 6° 8 |
| W15 | 23 37 48 | 22°42'55 | 2 ^h 55 | 4°50 | 5°28 | 4°35 | 20°36 | 2°56 | 17°41 | 21°27 | 16°46 | 6°45 | 5°57 | 14°54 | 6° 8 |
| T 16 | 23 41 44 | 23°41'16 | 16°11 | 5°46 | 6°36 | 5°12 | 20°42 | 3° 0 | 17°41 | 21°30 | 16°45 | 6°43 | 5°53 | 15° 0 | 6° 8 |
| F 17 | 23 45 41 | 24°39'39 | 29° 2 | 6°49 | 7°44 | 5°50 | 20°47 | 3° 4 | 17°41 | 21°32 | 16°44 | 6°D43 | 5°50 | 15° 7 | 6° 7 |
| S 18 | 23 49 37 | 25°38'04 | 11 ^h 31 | 7°59 | 8°52 | 6°27 | 20°53 | 3° 8 | 17°42 | 21°34 | 16°43 | 6°R43 | 5°47 | 15°14 | 6° 7 |
| S 19 | 23 53 34 | 26°36'31 | 23°45 | 9°15 | 10° 0 | 7° 5 | 20°59 | 3°12 | 17°42 | 21°36 | 16°42 | 6°42 | 5°44 | 15°20 | 6° 6 |
| M20 | 23 57 30 | 27°35'00 | 5 ^h 47 | 10°37 | 11° 8 | 7°42 | 21° 5 | 3°16 | 17°42 | 21°38 | 16°41 | 6°39 | 5°41 | 15°27 | 6° 6 |
| T 21 | 0 1 27 | 28°33'31 | 17°41 | 12° 4 | 12°16 | 8°19 | 21°11 | 3°20 | 17°42 | 21°40 | 16°40 | 6°33 | 5°38 | 15°34 | 6° 5 |
| W22 | 0 5 23 | 29°32'04 | 29°32 | 13°35 | 13°23 | 8°56 | 21°17 | 3°25 | 17°42 | 21°42 | 16°39 | 6°25 | 5°34 | 15°41 | 6° 4 |
| T 23 | 0 9 20 | 0 ^h 30'39 | 11 ^m 23 | 15°11 | 14°31 | 9°33 | 21°24 | 3°29 | 17°R42 | 21°44 | 16°38 | 6°13 | 5°31 | 15°47 | 6° 4 |
| F 24 | 0 13 17 | 1°29'16 | 23°15 | 16°49 | 15°38 | 10°10 | 21°31 | 3°33 | 17°42 | 21°46 | 16°37 | 6° 0 | 5°28 | 15°54 | 6° 3 |
| S 25 | 0 17 13 | 2°27'55 | 5 ^h 9 | 18°31 | 16°45 | 10°47 | 21°38 | 3°38 | 17°42 | 21°48 | 16°37 | 5°46 | 5°25 | 16° 1 | 6° 2 |
| S 26 | 0 21 10 | 3°26'36 | 17° 9 | 20°14 | 17°52 | 11°24 | 21°44 | 3°42 | 17°42 | 21°50 | 16°36 | 5°31 | 5°22 | 16° 7 | 6° 1 |
| M27 | 0 25 6 | 4°25'19 | 29°13 | 22° 0 | 18°59 | 12° 1 | 21°52 | 3°47 | 17°42 | 21°52 | 16°35 | 5°19 | 5°19 | 16°14 | 6° 0 |
| T 28 | 0 29 3 | 5°24'04 | 11 ^m 25 | 23°47 | 20° 6 | 12°38 | 21°59 | 3°52 | 17°41 | 21°55 | 16°34 | 5° 8 | 5°15 | 16°21 | 5°59 |
| W29 | 0 32 59 | 6°22'51 | 23°45 | 25°35 | 21°12 | 13°14 | 22° 6 | 3°57 | 17°41 | 21°57 | 16°33 | 5° 0 | 5°12 | 16°28 | 5°58 |
| T 30 | 0 36 56 | 7 ^h 21'39 | 6 ^m 17 | 27 ^m 24 | 22 ^m 19 | 13 ^h 15 | 22 ^h 14 | 4 ^h 1 | 17 ^h 41 | 21 ^h 59 | 16 ^h 33 | 4 ^h 55 | 5 ^h 9 | 16 ^m 34 | 5 ^h 56 |

Delta T = 10m37s

OCTOBER 2280

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| F 1 | 0 40 52 | 8 ^h 20'29 | 19 ^m 2 | 29 ^m 13 | 23 ^m 25 | 14 ^h 27 | 22 ^h 21 | 4 ^h 6 | 17°R40 | 22 ^h 1 | 16°R32 | 4°R53 | 5 ^h 6 | 16 ^m 41 | 5°R55 |
| S 2 | 0 44 49 | 9°19'21 | 2 ^h 5 | 1 ^h 2 | 24°31 | 15° 4 | 22°29 | 4°11 | 17 ^h 40 | 22° 3 | 16 ^h 31 | 4 ^h 53 | 5° 3 | 16°48 | 5 ^h 54 |
| S 3 | 0 48 46 | 10°18'15 | 15°29 | 2°52 | 25°37 | 15°40 | 22°37 | 4°16 | 17°39 | 22° 6 | 16°30 | 4°53 | 4°59 | 16°54 | 5°52 |
| M 4 | 0 52 42 | 11°17'10 | 29°16 | 4°41 | 26°43 | 16°16 | 22°45 | 4°22 | 17°39 | 22° 8 | 16°30 | 4°52 | 4°56 | 17° 1 | 5°51 |
| T 5 | 0 56 39 | 12°16'07 | 13 ^h 29 | 6°30 | 27°48 | 16°52 | 22°53 | 4°27 | 17°38 | 22°10 | 16°29 | 4°49 | 4°53 | 17° 8 | 5°49 |
| W 6 | 1 0 35 | 13°15'06 | 28° 5 | 8°19 | 28°54 | 17°28 | 23° 2 | 4°32 | 17°37 | 22°12 | 16°28 | 4°44 | 4°50 | 17°15 | 5°48 |
| T 7 | 1 4 32 | 14°14'06 | 13 ^h 2 | 10° 7 | 29°59 | 18° 4 | 23°10 | 4°37 | 17°37 | 22°14 | 16°28 | 4°36 | 4°47 | 17°21 | 5°46 |
| F 8 | 1 8 28 | 15°13'08 | 28°11 | 11°54 | 1 ^h 4 | 18°40 | 23°19 | 4°43 | 17°36 | 22°17 | 16°27 | 4°26 | 4°44 | 17°28 | 5°44 |
| S 9 | 1 12 25 | 16°12'12 | 13 ^h 22 | 13°41 | 2° 9 | 19°16 | 23°28 | 4°48 | 17°35 | 22°19 | 16°27 | 4°15 | 4°40 | 17°35 | 5°43 |
| S 10 | 1 16 21 | 17°11'18 | 28°25 | 15°27 | 3°13 | 19°52 | 23°36 | 4°54 | 17°34 | 22°21 | 16°26 | 4° 4 | 4°37 | 17°41 | 5°41 |
| M11 | 1 20 18 | 18°10'27 | 13 ^h 11 | 17°13 | 4°18 | 20°28 | 23°45 | 4°59 | 17°33 | 22°23 | 16°26 | 3°55 | 4°34 | 17°48 | 5°39 |
| T 12 | 1 24 14 | 19° 9'37 | 27°31 | 18°57 | 5°22 | 21° 3 | 23°54 | 5° 5 | 17°32 | 22°26 | 16°25 | 3°48 | 4°31 | 17°55 | 5°37 |
| W13 | 1 28 11 | 20° 8'50 | 11 ^h 23 | 20°41 | 6°26 | 21°39 | 24° 4 | 5°10 | 17°31 | 22°28 | 16°25 | 3°44 | 4°28 | 18° 2 | 5°35 |
| T 14 | 1 32 8 | 21° 8'05 | 24°45 | 22°25 | 7°29 | 22°14 | 24°13 | 5°16 | 17°30 | 22°30 | 16°24 | 3°42 | 4°25 | 18° 8 | 5°33 |
| F 15 | 1 36 4 | 22° 7'22 | 7 ^h 40 | 24° 7 | 8°33 | 22°49 | 24°22 | 5°22 | 17°29 | 22°32 | 16°24 | 3°D42 | 4°21 | 18°15 | 5°31 |
| S 16 | 1 40 1 | 23° 6'42 | 20°12 | 25°49 | 9°36 | 23°25 | 24°32 | 5°28 | 17°28 | 22°34 | 16°24 | 3°R42 | 4°18 | 18°22 | 5°29 |
| S 17 | 1 43 57 | 24° 6'04 | 2 ^h 26 | 27°30 | 10°39 | 24° 0 | 24°41 | 5°34 | 17°27 | 22°37 | 16°23 | 3°42 | 4°15 | 18°28 | 5°27 |
| M18 | 1 47 54 | 25° 5'28 | 14°28 | 29°10 | 11°41 | 24°35 | 24°51 | 5°40 | 17°26 | 22°39 | 16°23 | 3°40 | 4°12 | 18°35 | 5°24 |
| T 19 | 1 51 50 | 26° 4'55 | 26°22 | 0 ^h 50 | 12°44 | 25°10 | 25° 1 | 5°45 | 17°25 | 22°41 | 16°23 | 3°36 | 4° 9 | 18°42 | 5°22 |
| W20 | 1 55 47 | 27° 4'23 | 8 ^m 12 | 2°29 | 13°46 | 25°45 | 25°11 | 5°52 | 17°23 | 22°43 | 16°22 | 3°29 | 4° 5 | 18°49 | 5°20 |
| T 21 | 1 59 43 | 28° 3'54 | 20° 3 | 4° 7 | 14°48 | 26°19 | 25°21 | 5°58 | 17°22 | 22°46 | 16°22 | 3°20 | 4° 2 | 18°55 | 5°17 |
| F 22 | 2 3 40 | 29° 3'27 | 1 ^h 58 | 5°44 | 15°49 | 26°54 | 25°31 | 6° 4 | 17°20 | 22°48 | 16°22 | 3° 9 | 3°59 | 19° 2 | 5°15 |
| S 23 | 2 7 37 | 0 ^h 3 | 3°02 | 13°58 | 7°21 | 16°50 | 27°29 | 25°42 | 17°19 | 22°50 | 16°22 | 2°56 | 3°56 | 19° 9 | 5°12 |
| S 24 | 2 11 33 | 1° 2'40 | 26° 6 | 8°57 | 17°51 | 28° 3 | 25°52 | 6°16 | 17°17 | 22°52 | 16°22 | 2°44 | 3°53 | 19°15 | 5°10 |
| M25 | 2 15 30 | 2° 2'19 | 8 ^m 22 | 10°33 | 18°52 | 28°37 | 26° 2 | 6°22 | 17°16 | 22°54 | 16°21 | 2°33 | 3°50 | 19°22 | 5° 7 |
| T 26 | 2 19 26 | 3° 2'00 | 20°47 | 12° 8 | 19°52 | 29°12 | 26°13 | 6°29 | 17°14 | 22°57 | 16°21 | 2°24 | 3°46 | 19°29 | 5° 4 |
| W27 | 2 23 23 | 4° 1'43 | 3 ^h 22 | 13°43 | 20°52 | 29°46 | 26°24 | 6°35 | 17°13 | 22°59 | 16°21 | 2°18 | 3°43 | 19°36 | 5° 2 |
| T 28 | 2 27 19 | 5° 1'28 | 16° 7 | 15°17 | 21°51 | 0 ^h 20 | 26°35 | 6°41 | 17°11 | 23° 1 | 16°21 | 2°14 | 3°40 | 19°42 | 4°59 |
| F 29 | 2 31 16 | 6° 1'15 | 29° 5 | 16°50 | 22°50 | 0°54 | 26°45 | 6°48 | 17° 9 | 23° 3 | 16°D21 | 2°D13 | 3°37 | 19°49 | 4°56 |
| S 30 | 2 35 12 | 7° 1'04 | 12 ^h 16 | 18°23 | 23°49 | 1°28 | 26°56 | 6°54 | 17° 8 | 23° 6 | 16°21 | 2°13 | 3°34 | 19°56 | 4°54 |
| S 31 | 2 39 9 | 8 ^m 0'54 | 25 ^h 42 | 19 ^m 55 | 24 ^h 47 | 2 ^h 1 | 27 ^h 7 | 7 ^h 1 | 17 ^h 6 | 23 ^h 8 | 16 ^h 21 | 2 ^h 14 | 3 ^h 30 | 20 ^m 2 | 4 ^h 51 |

Delta T = 10m38s

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SWISS EPHEMERIS for the year 2280

NOVEMBER 2280

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|------|---------|----------|-------|--------|-------|-------|-------|-------|--------|-------|-------|-------|------|-------|-------|
| M 1 | 2 43 6 | 9♐ 0'46 | 9♋25 | 21♐.27 | 25♏45 | 2♐35 | 27♏19 | 7♏ 7 | 17°R 4 | 23♁10 | 16♋21 | 2°R14 | 3♁27 | 20♐ 9 | 4°R48 |
| T 2 | 2 47 2 | 10° 0'40 | 23°27 | 22°58 | 26°42 | 3° 8 | 27°30 | 7°14 | 17II 2 | 23°12 | 16°21 | 2♁14 | 3°24 | 20°16 | 4II45 |
| W 3 | 2 50 59 | 11° 0'35 | 7♏47 | 24°29 | 27°39 | 3°42 | 27°41 | 7°20 | 17° 0 | 23°14 | 16°21 | 2°11 | 3°21 | 20°23 | 4°42 |
| T 4 | 2 54 55 | 12° 0'31 | 22°22 | 25°59 | 28°35 | 4°15 | 27°53 | 7°27 | 16°58 | 23°16 | 16°22 | 2° 6 | 3°18 | 20°29 | 4°39 |
| F 5 | 2 58 52 | 13° 0'30 | 7♏ 7 | 27°29 | 29°31 | 4°48 | 28° 4 | 7°34 | 16°56 | 23°18 | 16°22 | 1°59 | 3°15 | 20°36 | 4°36 |
| S 6 | 3 2 48 | 14° 0'30 | 21°56 | 28°58 | 0♁26 | 5°21 | 28°16 | 7°40 | 16°54 | 23°21 | 16°22 | 1°51 | 3°11 | 20°43 | 4°33 |
| S 7 | 3 6 45 | 15° 0'31 | 6♁41 | 0♁27 | 1°21 | 5°54 | 28°27 | 7°47 | 16°52 | 23°23 | 16°22 | 1°44 | 3° 8 | 20°50 | 4°30 |
| M 8 | 3 10 41 | 16° 0'35 | 21°14 | 1°55 | 2°15 | 6°27 | 28°39 | 7°54 | 16°50 | 23°25 | 16°22 | 1°37 | 3° 5 | 20°56 | 4°27 |
| T 9 | 3 14 38 | 17° 0'40 | 5II27 | 3°23 | 3° 9 | 6°59 | 28°51 | 8° 1 | 16°48 | 23°27 | 16°23 | 1°33 | 3° 2 | 21° 3 | 4°24 |
| W10 | 3 18 35 | 18° 0'48 | 19°16 | 4°50 | 4° 2 | 7°32 | 29° 3 | 8° 7 | 16°46 | 23°29 | 16°23 | 1°30 | 2°59 | 21°10 | 4°21 |
| T 11 | 3 22 31 | 19° 0'57 | 2♁40 | 6°17 | 4°54 | 8° 4 | 29°15 | 8°14 | 16°44 | 23°31 | 16°23 | 1°D29 | 2°56 | 21°16 | 4°17 |
| F 12 | 3 26 28 | 20° 1'09 | 15°39 | 7°42 | 5°45 | 8°37 | 29°27 | 8°21 | 16°42 | 23°33 | 16°24 | 1°30 | 2°52 | 21°23 | 4°14 |
| S 13 | 3 30 24 | 21° 1'22 | 28°16 | 9° 8 | 6°36 | 9° 9 | 29°39 | 8°28 | 16°40 | 23°35 | 16°24 | 1°32 | 2°49 | 21°30 | 4°11 |
| S 14 | 3 34 21 | 22° 1'37 | 10♁34 | 10°32 | 7°26 | 9°41 | 29°51 | 8°35 | 16°37 | 23°37 | 16°24 | 1°33 | 2°46 | 21°37 | 4° 8 |
| M15 | 3 38 17 | 23° 1'54 | 22°38 | 11°56 | 8°16 | 10°13 | 0♁ 3 | 8°42 | 16°35 | 23°39 | 16°25 | 1°R34 | 2°43 | 21°43 | 4° 4 |
| T 16 | 3 42 14 | 24° 2'14 | 4♐33 | 13°19 | 9° 4 | 10°44 | 0°15 | 8°49 | 16°33 | 23°41 | 16°25 | 1°33 | 2°40 | 21°50 | 4° 1 |
| W17 | 3 46 10 | 25° 2'35 | 16°25 | 14°41 | 9°52 | 11°16 | 0°28 | 8°56 | 16°31 | 23°43 | 16°26 | 1°31 | 2°36 | 21°57 | 3°58 |
| T 18 | 3 50 7 | 26° 2'58 | 28°17 | 16° 2 | 10°39 | 11°48 | 0°40 | 9° 3 | 16°28 | 23°45 | 16°26 | 1°27 | 2°33 | 22° 3 | 3°55 |
| F 19 | 3 54 4 | 27° 3'23 | 10♁15 | 17°22 | 11°25 | 12°19 | 0°53 | 9°10 | 16°26 | 23°47 | 16°27 | 1°21 | 2°30 | 22°10 | 3°51 |
| S 20 | 3 58 0 | 28° 3'49 | 22°20 | 18°41 | 12°10 | 12°50 | 1° 5 | 9°17 | 16°24 | 23°49 | 16°28 | 1°15 | 2°27 | 22°17 | 3°48 |
| S 21 | 4 1 57 | 29° 4'18 | 4♐36 | 19°58 | 12°54 | 13°21 | 1°18 | 9°24 | 16°21 | 23°51 | 16°28 | 1° 9 | 2°24 | 22°24 | 3°45 |
| M22 | 4 5 53 | 0♁ 4'48 | 17° 5 | 21°14 | 13°37 | 13°52 | 1°30 | 9°31 | 16°19 | 23°53 | 16°29 | 1° 4 | 2°21 | 22°30 | 3°41 |
| T 23 | 4 9 50 | 1° 5'20 | 29°46 | 22°28 | 14°19 | 14°22 | 1°43 | 9°38 | 16°16 | 23°55 | 16°29 | 0°59 | 2°17 | 22°37 | 3°38 |
| W24 | 4 13 46 | 2° 5'53 | 12♏40 | 23°40 | 15° 0 | 14°53 | 1°56 | 9°45 | 16°14 | 23°57 | 16°30 | 0°57 | 2°14 | 22°44 | 3°35 |
| T 25 | 4 17 43 | 3° 6'28 | 25°48 | 24°49 | 15°40 | 15°23 | 2° 9 | 9°52 | 16°11 | 23°58 | 16°31 | 0°D55 | 2°11 | 22°50 | 3°31 |
| F 26 | 4 21 39 | 4° 7'05 | 9♁ 7 | 25°56 | 16°18 | 15°53 | 2°22 | 9°59 | 16° 9 | 24° 0 | 16°32 | 0°55 | 2° 8 | 22°57 | 3°28 |
| S 27 | 4 25 36 | 5° 7'42 | 22°38 | 27° 1 | 16°56 | 16°23 | 2°34 | 10° 6 | 16° 7 | 24° 2 | 16°32 | 0°57 | 2° 5 | 23° 4 | 3°25 |
| S 28 | 4 29 33 | 6° 8'21 | 6♁20 | 28° 1 | 17°32 | 16°53 | 2°47 | 10°13 | 16° 4 | 24° 4 | 16°33 | 0°58 | 2° 2 | 23°11 | 3°21 |
| M29 | 4 33 29 | 7° 9'01 | 20°13 | 28°58 | 18° 7 | 17°23 | 3° 0 | 10°20 | 16° 2 | 24° 6 | 16°34 | 1° 0 | 1°58 | 23°17 | 3°18 |
| T 30 | 4 37 26 | 8♁ 9'42 | 4♏14 | 29♏51 | 18♁40 | 17♐52 | 3♁14 | 10♁27 | 15II59 | 24♁ 7 | 16♋35 | 1°R 0 | 1♁55 | 23♐24 | 3II15 |

Delta T = 10m38s

DECEMBER 2280

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|--------|--------|--------|-------|-------|-------|--------|-------|-------|-------|------|-------|-------|
| W 1 | 4 41 22 | 9♏10'23 | 18♏25 | 0♁38 | 19♁12 | 18♐22 | 3♁27 | 10♁35 | 15°R57 | 24♁ 9 | 16♋36 | 1°R 0 | 1♁52 | 23♐31 | 3°R11 |
| T 2 | 4 45 19 | 10°11'06 | 2♏41 | 1°20 | 19°42 | 18°51 | 3°40 | 10°42 | 15II54 | 24°11 | 16°37 | 0♁59 | 1°49 | 23°38 | 3II 8 |
| F 3 | 4 49 15 | 11°11'50 | 17° 2 | 1°56 | 20°11 | 19°20 | 3°53 | 10°49 | 15°51 | 24°12 | 16°37 | 0°57 | 1°46 | 23°44 | 3° 5 |
| S 4 | 4 53 12 | 12°12'35 | 1♁22 | 2°25 | 20°38 | 19°48 | 4° 6 | 10°56 | 15°49 | 24°14 | 16°38 | 0°54 | 1°42 | 23°51 | 3° 1 |
| S 5 | 4 57 8 | 13°13'21 | 15°38 | 2°46 | 21° 3 | 20°17 | 4°20 | 11° 3 | 15°46 | 24°16 | 16°39 | 0°52 | 1°39 | 23°58 | 2°58 |
| M 6 | 5 1 5 | 14°14'08 | 29°44 | 2°58 | 21°27 | 20°45 | 4°33 | 11°10 | 15°44 | 24°17 | 16°40 | 0°49 | 1°36 | 24° 4 | 2°55 |
| T 7 | 5 5 2 | 15°14'56 | 13II36 | 3°R 0 | 21°48 | 21°13 | 4°46 | 11°17 | 15°41 | 24°19 | 16°41 | 0°48 | 1°33 | 24°11 | 2°51 |
| W 8 | 5 8 58 | 16°15'45 | 27°11 | 2°53 | 22° 8 | 21°41 | 5° 0 | 11°24 | 15°39 | 24°20 | 16°42 | 0°D47 | 1°30 | 24°18 | 2°48 |
| T 9 | 5 12 55 | 17°16'36 | 10♁27 | 2°34 | 22°26 | 22° 9 | 5°13 | 11°31 | 15°36 | 24°22 | 16°43 | 0°48 | 1°27 | 24°25 | 2°45 |
| F 10 | 5 16 51 | 18°17'27 | 23°22 | 2° 4 | 22°42 | 22°36 | 5°26 | 11°38 | 15°34 | 24°23 | 16°45 | 0°48 | 1°23 | 24°31 | 2°42 |
| S 11 | 5 20 48 | 19°18'20 | 5♁59 | 1°23 | 22°55 | 23° 4 | 5°40 | 11°46 | 15°31 | 24°25 | 16°46 | 0°49 | 1°20 | 24°38 | 2°39 |
| S 12 | 5 24 44 | 20°19'14 | 18°19 | 0°31 | 23° 7 | 23°31 | 5°54 | 11°53 | 15°29 | 24°26 | 16°47 | 0°51 | 1°17 | 24°45 | 2°35 |
| M13 | 5 28 41 | 21°20'09 | 0♐26 | 29♏30 | 23°16 | 23°58 | 6° 7 | 12° 0 | 15°26 | 24°28 | 16°48 | 0°51 | 1°14 | 24°52 | 2°32 |
| T 14 | 5 32 38 | 22°21'05 | 12°24 | 28°19 | 23°23 | 24°24 | 6°21 | 12° 7 | 15°24 | 24°29 | 16°49 | 0°52 | 1°11 | 24°58 | 2°29 |
| W15 | 5 36 34 | 23°22'03 | 24°17 | 27° 2 | 23°28 | 24°50 | 6°34 | 12°14 | 15°21 | 24°31 | 16°50 | 0°R52 | 1° 8 | 25° 5 | 2°26 |
| T 16 | 5 40 31 | 24°23'01 | 6♁ 9 | 25°40 | 23°R30 | 25°17 | 6°48 | 12°21 | 15°19 | 24°32 | 16°52 | 0°52 | 1° 4 | 25°12 | 2°23 |
| F 17 | 5 44 27 | 25°24'01 | 18° 7 | 24°17 | 23°30 | 25°42 | 7° 1 | 12°28 | 15°16 | 24°33 | 16°53 | 0°52 | 1° 1 | 25°18 | 2°20 |
| S 18 | 5 48 24 | 26°25'02 | 0♐14 | 22°55 | 23°27 | 26° 8 | 7°15 | 12°35 | 15°14 | 24°34 | 16°54 | 0°51 | 0°58 | 25°25 | 2°17 |
| S 19 | 5 52 20 | 27°26'04 | 12°34 | 21°37 | 23°22 | 26°33 | 7°29 | 12°42 | 15°11 | 24°36 | 16°55 | 0°50 | 0°55 | 25°32 | 2°14 |
| M20 | 5 56 17 | 28°27'06 | 25°10 | 20°26 | 23°15 | 26°58 | 7°43 | 12°49 | 15° 9 | 24°37 | 16°57 | 0°50 | 0°52 | 25°39 | 2°11 |
| T 21 | 6 0 13 | 29°28'10 | 8♁ 4 | 19°23 | 23° 5 | 27°23 | 7°56 | 12°56 | 15° 6 | 24°38 | 16°58 | 0°50 | 0°48 | 25°45 | 2° 8 |
| W22 | 6 4 10 | 0♁29'14 | 21°16 | 18°29 | 22°52 | 27°48 | 8°10 | 13° 3 | 15° 4 | 24°39 | 16°59 | 0°D50 | 0°45 | 25°52 | 2° 5 |
| T 23 | 6 8 7 | 1°30'20 | 4♁47 | 17°47 | 22°37 | 28°12 | 8°24 | 13° 9 | 15° 1 | 24°40 | 17° 1 | 0°R50 | 0°42 | 25°59 | 2° 3 |
| F 24 | 6 12 3 | 2°31'25 | 18°33 | 17°15 | 22°20 | 28°36 | 8°38 | 13°16 | 14°59 | 24°42 | 17° 2 | 0°50 | 0°39 | 26° 5 | 2° 0 |
| S 25 | 6 16 0 | 3°32'32 | 2♋33 | 16°54 | 22° 0 | 28°59 | 8°51 | 13°23 | 14°57 | 24°43 | 17° 3 | 0°50 | 0°36 | 26°12 | 1°57 |
| S 26 | 6 19 56 | 4°33'38 | 16°42 | 16°44 | 21°38 | 29°23 | 9° 5 | 13°30 | 14°54 | 24°44 | 17° 5 | 0°49 | 0°33 | 26°19 | 1°54 |
| M27 | 6 23 53 | 5°34'45 | 0♏57 | 16°D43 | 21°14 | 29°46 | 9°19 | 13°37 | 14°52 | 24°45 | 17° 6 | 0°49 | 0°29 | 26°26 | 1°52 |
| T 28 | 6 27 49 | 6°35'52 | 15°14 | 16°52 | 20°48 | 0♁ 8 | 9°33 | 13°43 | 14°50 | 24°46 | 17° 8 | 0°48 | 0°26 | 26°32 | 1°49 |
| W29 | 6 31 46 | 7°36'59 | 29°29 | 17°10 | 20°20 | 0°30 | 9°47 | 13°50 | 14°47 | 24°47 | 17° 9 | 0°48 | 0°23 | 26°39 | 1°47 |
| T 30 | 6 35 42 | 8°38'06 | 13♏40 | 17°36 | 19°50 | 0°52 | 10° 0 | 13°57 | 14°45 | 24°48 | 17°11 | 0°D48 | 0°20 | 26°46 | 1°44 |
| F 31 | 6 39 39 | 9♁39'13 | 27♏44 | 18♏ 8 | 19♁18 | 1♁14 | 10♁14 | 14♏ 4 | 14II43 | 24♁48 | 17♋12 | 0♁48 | 0♁17 | 26♐53 | 1II42 |

Delta T = 10m38s

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