

SWISS EPHEMERIS for the year 1272

JANUARY 1272 JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|---------|---------|--------|--------|---------|--------|---------|---------|--------|---------|---------|--------|---------|---|
| F 1 | 7 8 47 | 17°34'36 | 27°21 | 6°0 | 4°47 | 13°51 | 12°3 | 5°R 2 | 26°R42 | 26°R15 | 4°3 | 13°R36 | 15°0 | 11°48 | 9°31 | |
| S 2 | 7 12 43 | 18°47'43 | 11°38 | 6°32 | 5°49 | 14°38 | 12°15 | 4°M 59 | 26°B40 | 26°L14 | 4°4 | 13°M 26 | 14°57 | 11°55 | 9°37 | |
| S 3 | 7 16 40 | 19°48'50 | 26°12 | 6°54 | 6°51 | 15°25 | 12°27 | 4°57 | 26°39 | 26°13 | 4°6 | 13°18 | 14°54 | 12°1 | 9°43 | |
| M 4 | 7 20 36 | 20°49'56 | 10°55 | 7°5 | 7°52 | 16°13 | 12°39 | 4°54 | 26°38 | 26°12 | 4°9 | 13°12 | 14°51 | 12°8 | 9°48 | |
| T 5 | 7 24 33 | 21°51'01 | 25°40 | 7°R 6 | 8°53 | 17°0 | 12°51 | 4°51 | 26°37 | 26°10 | 4°11 | 13°8 | 14°47 | 12°14 | 9°54 | |
| W 6 | 7 28 30 | 22°52'05 | 10°20 | 6°54 | 9°54 | 17°47 | 13°3 | 4°48 | 26°36 | 26°9 | 4°13 | 13°D 7 | 14°44 | 12°21 | 9°59 | |
| T 7 | 7 32 26 | 23°53'08 | 24°50 | 6°31 | 10°54 | 18°35 | 13°15 | 4°45 | 26°34 | 26°8 | 4°15 | 13°7 | 14°41 | 12°28 | 10°5 | |
| F 8 | 7 36 23 | 24°54'09 | 9°V 6 | 5°57 | 11°53 | 19°22 | 13°27 | 4°42 | 26°33 | 26°6 | 4°17 | 13°8 | 14°38 | 12°34 | 10°11 | |
| S 9 | 7 40 19 | 25°55'10 | 23°6 | 5°13 | 12°53 | 20°9 | 13°38 | 4°39 | 26°32 | 26°5 | 4°19 | 13°R 9 | 14°35 | 12°41 | 10°16 | |
| S 10 | 7 44 16 | 26°56'09 | 6°B 51 | 4°19 | 13°51 | 20°56 | 13°50 | 4°36 | 26°32 | 26°4 | 4°20 | 13°9 | 14°32 | 12°48 | 10°22 | |
| M11 | 7 48 12 | 27°57'07 | 20°21 | 3°17 | 14°49 | 21°44 | 14°2 | 4°33 | 26°31 | 26°2 | 4°22 | 13°6 | 14°28 | 12°54 | 10°27 | |
| T 12 | 7 52 9 | 28°58'04 | 3°II 37 | 2°8 | 15°47 | 22°31 | 14°13 | 4°29 | 26°30 | 26°1 | 4°24 | 13°2 | 14°25 | 13°1 | 10°33 | |
| W13 | 7 56 5 | 29°58'59 | 16°39 | 0°56 | 16°44 | 23°18 | 14°25 | 4°26 | 26°29 | 25°59 | 4°26 | 12°56 | 14°22 | 13°8 | 10°38 | |
| T 14 | 8 0 2 | 0°59'54 | 29°28 | 29°342 | 17°41 | 24°5 | 14°36 | 4°22 | 26°28 | 25°58 | 4°28 | 12°48 | 14°19 | 13°14 | 10°44 | |
| F 15 | 8 3 59 | 2°0'47 | 12°36 | 28°28 | 18°36 | 24°52 | 14°47 | 4°19 | 26°28 | 25°56 | 4°30 | 12°40 | 14°16 | 13°21 | 10°49 | |
| S 16 | 8 7 55 | 3°1'38 | 24°32 | 27°16 | 19°32 | 25°40 | 14°58 | 4°15 | 26°27 | 25°55 | 4°32 | 12°33 | 14°13 | 13°28 | 10°54 | |
| S 17 | 8 11 52 | 4°2'29 | 6°L 46 | 26°8 | 20°26 | 26°27 | 15°10 | 4°11 | 26°27 | 25°53 | 4°34 | 12°27 | 14°9 | 13°34 | 11°0 | |
| M18 | 8 15 48 | 5°3'18 | 18°51 | 25°6 | 21°20 | 27°14 | 15°21 | 4°7 | 26°26 | 25°52 | 4°36 | 12°22 | 14°6 | 13°41 | 11°5 | |
| T 19 | 8 19 45 | 6°4'06 | 0°M 47 | 24°11 | 22°14 | 28°1 | 15°32 | 4°4 | 26°26 | 25°50 | 4°38 | 12°20 | 14°3 | 13°47 | 11°10 | |
| W20 | 8 23 41 | 7°4'53 | 12°38 | 23°23 | 23°6 | 28°48 | 15°42 | 4°0 | 26°25 | 25°49 | 4°39 | 12°D 19 | 14°0 | 13°54 | 11°16 | |
| T 21 | 8 27 38 | 8°5'39 | 24°25 | 22°43 | 23°58 | 29°35 | 15°53 | 3°56 | 26°25 | 25°47 | 4°41 | 12°20 | 13°57 | 14°1 | 11°21 | |
| F 22 | 8 31 34 | 9°6'23 | 6°B 12 | 22°11 | 24°49 | 0°K 22 | 16°4 | 3°52 | 26°25 | 25°46 | 4°43 | 12°21 | 13°53 | 14°7 | 11°26 | |
| S 23 | 8 35 31 | 10°7'07 | 18°4 | 21°47 | 25°39 | 1°9 | 16°14 | 3°47 | 26°24 | 25°44 | 4°45 | 12°23 | 13°50 | 14°14 | 11°31 | |
| S 24 | 8 39 28 | 11°7'49 | 0°M 5 | 21°32 | 26°29 | 1°56 | 16°25 | 3°43 | 26°24 | 25°42 | 4°47 | 12°24 | 13°47 | 14°21 | 11°37 | |
| M25 | 8 43 24 | 12°8'30 | 12°21 | 21°24 | 27°18 | 2°43 | 16°35 | 3°39 | 26°24 | 25°41 | 4°48 | 12°R 25 | 13°44 | 14°27 | 11°42 | |
| T 26 | 8 47 21 | 13°9'10 | 24°56 | 21°D 24 | 28°5 | 3°30 | 16°46 | 3°35 | 26°24 | 25°39 | 4°50 | 12°24 | 13°41 | 14°34 | 11°47 | |
| W27 | 8 51 17 | 14°9'49 | 7°A 55 | 21°30 | 28°52 | 4°17 | 16°56 | 3°30 | 26°D 24 | 25°37 | 4°52 | 12°22 | 13°38 | 14°41 | 11°52 | |
| T 28 | 8 55 14 | 15°10'27 | 21°20 | 21°44 | 29°38 | 5°4 | 17°6 | 3°26 | 26°24 | 25°36 | 4°54 | 12°19 | 13°34 | 14°47 | 11°57 | |
| F 29 | 8 59 10 | 16°11'04 | 5°B 13 | 22°3 | 0°V 23 | 5°51 | 17°16 | 3°21 | 26°24 | 25°34 | 4°55 | 12°16 | 13°31 | 14°54 | 12°2 | |
| S 30 | 9 3 7 | 17°11'39 | 19°33 | 22°28 | 1°7 | 6°38 | 17°26 | 3°17 | 26°24 | 25°33 | 4°57 | 12°12 | 13°28 | 15°1 | 12°7 | |
| S 31 | 9 7 3 | 18°22'12 | 4°A 15 | 22°38 | 1°V 50 | 7°K 25 | 17°A 35 | 3°M 12 | 26°B 24 | 25°L 31 | 4°B 59 | 12°M 8 | 13°M 25 | 15°M 7 | 12°B 12 | |

Delta T = 08m51s Julian Calendar 1 Jan. 1272 == Greg. Calendar 8 Jan. 1272

FEBRUARY 1272 JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
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| M 1 | 9 11 0 | 19°22'44 | 19°13 | 23°33 | 2°V 31 | 8°K 12 | 17°A 45 | 3°R 8 | 26°B 25 | 25°R 29 | 5°3 | 12°R 6 | 13°M 22 | 15°M 14 | 12°B 17 | |
| T 2 | 9 14 57 | 20°13'15 | 4°K 19 | 24°13 | 3°12 | 8°59 | 17°54 | 3°M 3 | 26°25 | 25°L 28 | 5°2 | 12°M 5 | 13°18 | 15°20 | 12°21 | |
| W 3 | 9 18 53 | 21°13'44 | 19°22 | 24°56 | 3°51 | 9°45 | 18°4 | 2°59 | 26°25 | 25°26 | 5°3 | 12°D 5 | 13°15 | 15°27 | 12°26 | |
| T 4 | 9 22 50 | 22°14'10 | 4°V 15 | 25°44 | 4°29 | 10°32 | 18°13 | 2°54 | 26°26 | 25°24 | 5°5 | 12°5 | 13°12 | 15°34 | 12°31 | |
| F 5 | 9 26 46 | 23°14'35 | 18°52 | 26°35 | 5°6 | 11°19 | 18°22 | 2°49 | 26°26 | 25°22 | 5°6 | 12°7 | 13°9 | 15°40 | 12°36 | |
| S 6 | 9 30 43 | 24°14'58 | 3°B 8 | 27°29 | 5°41 | 12°6 | 18°31 | 2°45 | 26°26 | 25°21 | 5°8 | 12°8 | 13°6 | 15°47 | 12°40 | |
| S 7 | 9 34 39 | 25°15'19 | 17°1 | 28°26 | 6°15 | 12°52 | 18°40 | 2°40 | 26°27 | 25°19 | 5°9 | 12°9 | 13°3 | 15°54 | 12°45 | |
| M 8 | 9 38 36 | 26°15'38 | 0°II 31 | 29°26 | 6°48 | 13°39 | 18°49 | 2°35 | 26°28 | 25°17 | 5°11 | 12°R 9 | 12°59 | 16°0 | 12°50 | |
| T 9 | 9 42 32 | 27°15'55 | 13°40 | 0°A 28 | 7°19 | 14°26 | 18°58 | 2°30 | 26°28 | 25°16 | 5°12 | 12°8 | 12°56 | 16°7 | 12°54 | |
| W10 | 9 46 29 | 28°16'10 | 26°31 | 1°33 | 7°48 | 15°12 | 19°6 | 2°26 | 26°29 | 25°14 | 5°14 | 12°7 | 12°53 | 16°14 | 12°59 | |
| T 11 | 9 50 26 | 29°16'22 | 9°B 6 | 2°40 | 8°16 | 15°59 | 19°15 | 2°21 | 26°30 | 25°12 | 5°15 | 12°5 | 12°50 | 16°20 | 13°3 | |
| F 12 | 9 54 22 | 0°K 16'33 | 21°27 | 3°49 | 8°42 | 16°45 | 19°23 | 2°16 | 26°31 | 25°11 | 5°17 | 12°4 | 12°47 | 16°27 | 13°7 | |
| S 13 | 9 58 19 | 1°16'42 | 3°L 37 | 5°1 | 9°6 | 17°32 | 19°31 | 2°11 | 26°31 | 25°9 | 5°18 | 12°2 | 12°44 | 16°34 | 13°12 | |
| S 14 | 10 2 15 | 2°16'48 | 15°39 | 6°14 | 9°29 | 18°18 | 19°39 | 2°7 | 26°32 | 25°7 | 5°19 | 12°1 | 12°40 | 16°40 | 13°16 | |
| M15 | 10 6 12 | 3°16'53 | 27°34 | 7°29 | 9°49 | 19°4 | 19°47 | 2°2 | 26°33 | 25°6 | 5°21 | 12°0 | 12°37 | 16°47 | 13°20 | |
| T 16 | 10 10 8 | 4°16'56 | 9°M 24 | 8°45 | 10°8 | 19°51 | 19°55 | 1°57 | 26°34 | 25°4 | 5°22 | 11°D 59 | 12°34 | 16°54 | 13°24 | |
| W17 | 10 14 5 | 5°16'57 | 21°12 | 10°4 | 10°24 | 20°37 | 20°3 | 1°52 | 26°35 | 25°2 | 5°23 | 12°0 | 12°31 | 17°0 | 13°28 | |
| T 18 | 10 18 1 | 6°16'56 | 3°L 0 | 11°23 | 10°39 | 21°23 | 20°10 | 1°47 | 26°37 | 25°1 | 5°24 | 12°0 | 12°28 | 17°7 | 13°32 | |
| F 19 | 10 21 58 | 7°16'53 | 14°50 | 12°45 | 10°51 | 22°10 | 20°18 | 1°43 | 26°38 | 24°59 | 5°26 | 12°0 | 12°24 | 17°13 | 13°36 | |
| S 20 | 10 25 54 | 8°16'48 | 26°46 | 14°8 | 11°1 | 22°56 | 20°25 | 1°38 | 26°39 | 24°58 | 5°27 | 12°1 | 12°21 | 17°20 | 13°40 | |
| S 21 | 10 29 51 | 9°16'42 | 8°M 50 | 15°32 | 11°9 | 23°42 | 20°32 | 1°33 | 26°40 | 24°56 | 5°28 | 12°1 | 12°18 | 17°27 | 13°44 | |
| M22 | 10 33 48 | 10°16'33 | 21°7 | 16°58 | 11°15 | 24°28 | 20°39 | 1°28 | 26°42 | 24°54 | 5°29 | 12°2 | 12°15 | 17°33 | 13°48 | |
| T 23 | 10 37 44 | 11°16'24 | 3°A 40 | 18°25 | 11°18 | 25°14 | 20°46 | 1°24 | 26°43 | 24°53 | 5°30 | 12°2 | 12°12 | 17°40 | 13°52 | |
| W24 | 10 41 41 | 12°16'12 | 16°33 | 19°53 | 11°R 19 | 26°0 | 20°52 | 1°19 | 26°44 | 24°51 | 5°31 | 12°2 | 12°9 | 17°47 | 13°55 | |
| T 25 | 10 45 37 | 13°15'59 | 29°50 | 21°23 | 11°17 | 26°46 | 20°59 | 1°14 | 26°46 | 24°50 | 5°32 | 12°2 | 12°5 | 17°53 | 13°59 | |
| F 26 | 10 49 34 | 14°15'44 | 13°B 33 | 22°54 | 11°13 | 27°32 | 21°5 | 1°10 | 26°47 | 24°48 | 5°33 | 12°2 | 12°2 | 18°0 | 14°3 | |
| S 27 | 10 53 30 | 15°15'27 | 27°42 | 24°26 | 11°6 | 28°18 | 21°12 | 1°5 | 26°49 | 24°46 | 5°34 | 12°2 | 11°59 | 18°7 | 14°6 | |
| S 28 | 10 57 27 | 16°15'09 | 12°A 17 | 26°0 | 10°57 | 29°4 | 21°18 | 1°1 | 26°51 | 24°45 | 5°35 | 12°2 | 11°56 | 18°13 | 14°10 | |
| M29 | 11 1 23 | 17°K 14'48 | 27°A 12 | 27°A 35 | 10°V 46 | 29°K 50 | 21°A 23 | 0°M 56 | 26°B 52 | 24°L 43 | 5°B 36 | 12°M 3 | 11°M 53 | 18°M 20 | 14°B 13 | |

Delta T = 08m51s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 1272

MARCH 1272 JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|-------|-------|-------|---|---|
| T 1 | 11 5 20 | 18X14'26 | 12X21 | 29X11 | 10R32 | 0Y36 | 21X29 | 0R52 | 26R54 | 24R42 | 5Z37 | 12R 3 | 11M50 | 18M27 | 14Z16 | | |
| W 2 | 11 9 17 | 19°14'01 | 27°34 | 0X48 | 10Y15 | 1°22 | 21°35 | 0M47 | 26°56 | 24R40 | 5°38 | 12M 3 | 11°46 | 18°33 | 14°20 | | |
| T 3 | 11 13 13 | 20°13'35 | 12Y42 | 2°27 | 9°57 | 2° 7 | 21°40 | 0°43 | 26°57 | 24°39 | 5°39 | 12° 2 | 11°43 | 18°40 | 14°23 | | |
| F 4 | 11 17 10 | 21°13'06 | 27°36 | 4° 7 | 9°35 | 2°53 | 21°45 | 0°39 | 26°59 | 24°37 | 5°39 | 12° 1 | 11°40 | 18°46 | 14°26 | | |
| S 5 | 11 21 6 | 22°12'35 | 12Z 8 | 5°48 | 9°12 | 3°39 | 21°50 | 0°34 | 27° 1 | 24°36 | 5°40 | 12° 0 | 11°37 | 18°53 | 14°29 | | |
| S 6 | 11 25 3 | 23°12'02 | 26°15 | 7°31 | 8°46 | 4°24 | 21°55 | 0°30 | 27° 3 | 24°34 | 5°41 | 11°59 | 11°34 | 19° 0 | 14°32 | | |
| M 7 | 11 28 59 | 24°11'26 | 9II55 | 9°15 | 8°18 | 5°10 | 22° 0 | 0°26 | 27° 5 | 24°33 | 5°42 | 11°58 | 11°30 | 19° 6 | 14°35 | | |
| T 8 | 11 32 56 | 25°10'48 | 23° 8 | 11° 0 | 7°49 | 5°55 | 22° 5 | 0°22 | 27° 7 | 24°32 | 5°42 | 11°D58 | 11°27 | 19°13 | 14°38 | | |
| W 9 | 11 36 52 | 26°10'08 | 5Z58 | 12°46 | 7°17 | 6°41 | 22° 9 | 0°18 | 27° 9 | 24°30 | 5°43 | 11°58 | 11°24 | 19°20 | 14°41 | | |
| T 10 | 11 40 49 | 27° 9'25 | 18°27 | 14°34 | 6°44 | 7°26 | 22°13 | 0°14 | 27°11 | 24°29 | 5°44 | 11°59 | 11°21 | 19°26 | 14°43 | | |
| F 11 | 11 44 46 | 28° 8'40 | 0L40 | 16°23 | 6°10 | 8°12 | 22°17 | 0°10 | 27°13 | 24°28 | 5°44 | 12° 0 | 11°18 | 19°33 | 14°46 | | |
| S 12 | 11 48 42 | 29° 7'53 | 12°42 | 18°14 | 5°34 | 8°57 | 22°21 | 0° 6 | 27°16 | 24°26 | 5°45 | 12° 1 | 11°15 | 19°40 | 14°49 | | |
| S 13 | 11 52 39 | 0Y 7'03 | 24°35 | 20° 6 | 4°58 | 9°42 | 22°25 | 0° 2 | 27°18 | 24°25 | 5°45 | 12° 3 | 11°11 | 19°46 | 14°51 | | |
| M14 | 11 56 35 | 1° 6'11 | 6M23 | 21°59 | 4°20 | 10°28 | 22°29 | 29R58 | 27°20 | 24°24 | 5°46 | 12R 3 | 11° 8 | 19°53 | 14°54 | | |
| T 15 | 12 0 32 | 2° 5'17 | 18°11 | 23°54 | 3°43 | 11°13 | 22°32 | 29°54 | 27°22 | 24°22 | 5°46 | 12° 3 | 11° 5 | 20° 0 | 14°56 | | |
| W16 | 12 4 28 | 3° 4'21 | 29°59 | 25°50 | 3° 5 | 11°58 | 22°35 | 29°51 | 27°25 | 24°21 | 5°47 | 12° 2 | 11° 2 | 20° 6 | 14°58 | | |
| T 17 | 12 8 25 | 4° 3'22 | 11Z50 | 27°47 | 2°27 | 12°43 | 22°38 | 29°47 | 27°27 | 24°20 | 5°47 | 12° 0 | 10°59 | 20°13 | 15° 1 | | |
| F 18 | 12 12 21 | 5° 2'22 | 23°47 | 29°46 | 1°49 | 13°28 | 22°41 | 29°44 | 27°29 | 24°19 | 5°48 | 11°57 | 10°55 | 20°20 | 15° 3 | | |
| S 19 | 12 16 18 | 6° 1'19 | 5M51 | 1Y46 | 1°12 | 14°13 | 22°44 | 29°40 | 27°32 | 24°18 | 5°48 | 11°53 | 10°52 | 20°26 | 15° 5 | | |
| S 20 | 12 20 14 | 7° 0'15 | 18° 5 | 3°47 | 0°35 | 14°58 | 22°46 | 29°37 | 27°34 | 24°16 | 5°48 | 11°49 | 10°49 | 20°33 | 15° 7 | | |
| M21 | 12 24 11 | 7°59'09 | 0X29 | 5°49 | 0° 0 | 15°43 | 22°48 | 29°34 | 27°37 | 24°15 | 5°49 | 11°45 | 10°46 | 20°39 | 15° 9 | | |
| T 22 | 12 28 8 | 8°58'01 | 13° 7 | 7°53 | 29X26 | 16°28 | 22°51 | 29°31 | 27°40 | 24°14 | 5°49 | 11°42 | 10°43 | 20°46 | 15°11 | | |
| W23 | 12 32 4 | 9°56'51 | 26° 2 | 9°57 | 28°53 | 17°12 | 22°53 | 29°28 | 27°42 | 24°13 | 5°49 | 11°40 | 10°40 | 20°53 | 15°12 | | |
| T 24 | 12 36 1 | 10°55'40 | 9Z15 | 12° 2 | 28°23 | 17°57 | 22°54 | 29°25 | 27°45 | 24°12 | 5°49 | 11°D39 | 10°36 | 20°59 | 15°14 | | |
| F 25 | 12 39 57 | 11°54'27 | 22°49 | 14° 8 | 27°53 | 18°42 | 22°56 | 29°22 | 27°47 | 24°11 | 5°50 | 11°39 | 10°33 | 21° 6 | 15°16 | | |
| S 26 | 12 43 54 | 12°53'12 | 6X45 | 16°14 | 27°26 | 19°26 | 22°57 | 29°19 | 27°50 | 24°10 | 5°50 | 11°41 | 10°30 | 21°13 | 15°17 | | |
| S 27 | 12 47 50 | 13°51'55 | 21° 4 | 18°21 | 27° 1 | 20°11 | 22°58 | 29°16 | 27°53 | 24° 9 | 5°50 | 11°42 | 10°27 | 21°19 | 15°19 | | |
| M28 | 12 51 47 | 14°50'37 | 5X43 | 20°27 | 26°38 | 20°56 | 22°59 | 29°14 | 27°56 | 24° 8 | 5°50 | 11°R43 | 10°24 | 21°26 | 15°20 | | |
| T 29 | 12 55 43 | 15°49'17 | 20°38 | 22°33 | 26°17 | 21°40 | 23° 0 | 29°11 | 27°58 | 24° 7 | 5°50 | 11°43 | 10°21 | 21°33 | 15°21 | | |
| W30 | 12 59 40 | 16°47'55 | 5Y43 | 24°39 | 25°59 | 22°25 | 23° 1 | 29° 9 | 28° 1 | 24° 6 | 5R50 | 11°41 | 10°17 | 21°39 | 15°23 | | |
| T 31 | 13 3 37 | 17Y46'31 | 20Y49 | 26Y44 | 25X43 | 23Y 9 | 23X 1 | 29R 6 | 28R 4 | 24R 6 | 5Z50 | 11M38 | 10M14 | 21M46 | 15Z24 | | |

Delta T = 08m51s Julian Calendar 1 March 1272 == Greg. Calendar 8 March 1272

APRIL 1272 JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|--------|-------|-------|--------|-------|--------|------|--------|-------|-------|-------|---|---|
| F 1 | 13 7 33 | 18Y45'05 | 5Z46 | 28Y47 | 25R29 | 23Y53 | 23X 1 | 29R 4 | 28R 7 | 24R 5 | 5R50 | 11R33 | 10M11 | 21M53 | 15Z25 | | |
| S 2 | 13 11 30 | 19°43'37 | 20°26 | 0X49 | 25X18 | 24°38 | 23R 2 | 29R 2 | 28°10 | 24R 4 | 5Z50 | 11M27 | 10° 8 | 21°59 | 15°26 | | |
| S 3 | 13 15 26 | 20°42'07 | 4II42 | 2°49 | 25°10 | 25°22 | 23° 1 | 29° 0 | 28°13 | 24° 3 | 5°50 | 11°21 | 10° 5 | 22° 6 | 15°27 | | |
| M 4 | 13 19 23 | 21°40'35 | 18°30 | 4°47 | 25° 3 | 26° 6 | 23° 1 | 28°58 | 28°16 | 24° 2 | 5°50 | 11°16 | 10° 1 | 22°13 | 15°28 | | |
| T 5 | 13 23 19 | 22°39'01 | 1Z50 | 6°43 | 24°59 | 26°50 | 23° 1 | 28°56 | 28°19 | 24° 2 | 5°50 | 11°12 | 9°58 | 22°19 | 15°28 | | |
| W 6 | 13 27 16 | 23°37'25 | 14°44 | 8°35 | 24°D58 | 27°34 | 23° 0 | 28°54 | 28°22 | 24° 1 | 5°49 | 11°10 | 9°55 | 22°26 | 15°29 | | |
| T 7 | 13 31 12 | 24°35'46 | 27°14 | 10°25 | 24°59 | 28°18 | 22°59 | 28°52 | 28°25 | 24° 0 | 5°49 | 11°D10 | 9°52 | 22°32 | 15°30 | | |
| F 8 | 13 35 9 | 25°34'06 | 9R26 | 12°11 | 25° 2 | 29° 2 | 22°58 | 28°51 | 28°28 | 24° 0 | 5°49 | 11°11 | 9°49 | 22°39 | 15°30 | | |
| S 9 | 13 39 6 | 26°32'23 | 21°25 | 13°54 | 25° 7 | 29°46 | 22°57 | 28°49 | 28°31 | 23°59 | 5°49 | 11°12 | 9°46 | 22°46 | 15°31 | | |
| S 10 | 13 43 2 | 27°30'38 | 3M16 | 15°33 | 25°15 | 0Z30 | 22°55 | 28°48 | 28°34 | 23°59 | 5°48 | 11°13 | 9°42 | 22°52 | 15°31 | | |
| M11 | 13 46 59 | 28°28'51 | 15° 2 | 17° 9 | 25°25 | 1°14 | 22°54 | 28°47 | 28°37 | 23°58 | 5°48 | 11°R14 | 9°39 | 22°59 | 15°31 | | |
| T 12 | 13 50 55 | 29°27'02 | 26°50 | 18°40 | 25°37 | 1°58 | 22°52 | 28°45 | 28°40 | 23°57 | 5°48 | 11°12 | 9°36 | 23° 6 | 15°32 | | |
| W13 | 13 54 52 | 0Z25'12 | 8Z41 | 20° 8 | 25°51 | 2°42 | 22°50 | 28°44 | 28°44 | 23°57 | 5°47 | 11° 9 | 9°33 | 23°12 | 15°32 | | |
| T 14 | 13 58 48 | 1°23'19 | 20°39 | 21°31 | 26° 7 | 3°25 | 22°48 | 28°43 | 28°47 | 23°57 | 5°47 | 11° 3 | 9°30 | 23°19 | 15R32 | | |
| F 15 | 14 2 45 | 2°21'25 | 2M46 | 22°50 | 26°25 | 4° 9 | 22°45 | 28°42 | 28°50 | 23°56 | 5°46 | 10°55 | 9°26 | 23°26 | 15°32 | | |
| S 16 | 14 6 41 | 3°19'29 | 15° 3 | 24° 5 | 26°45 | 4°52 | 22°43 | 28°42 | 28°53 | 23°56 | 5°46 | 10°46 | 9°23 | 23°32 | 15°32 | | |
| S 17 | 14 10 38 | 4°17'31 | 27°31 | 25°15 | 27° 6 | 5°36 | 22°40 | 28°41 | 28°57 | 23°55 | 5°45 | 10°36 | 9°20 | 23°39 | 15°32 | | |
| M18 | 14 14 35 | 5°15'32 | 10X10 | 26°21 | 27°30 | 6°19 | 22°37 | 28°40 | 29° 0 | 23°55 | 5°45 | 10°27 | 9°17 | 23°46 | 15°31 | | |
| T 19 | 14 18 31 | 6°13'31 | 23° 2 | 27°22 | 27°55 | 7° 3 | 22°34 | 28°40 | 29° 3 | 23°55 | 5°44 | 10°19 | 9°14 | 23°52 | 15°31 | | |
| W20 | 14 22 28 | 7°11'29 | 6Z 6 | 28°19 | 28°22 | 7°46 | 22°31 | 28°40 | 29° 7 | 23°55 | 5°44 | 10°13 | 9°11 | 23°59 | 15°31 | | |
| T 21 | 14 26 24 | 8° 9'26 | 19°25 | 29°11 | 28°50 | 8°30 | 22°27 | 28°39 | 29°10 | 23°54 | 5°43 | 10° 9 | 9° 7 | 24° 6 | 15°30 | | |
| F 22 | 14 30 21 | 9° 7'21 | 2X58 | 29°58 | 29°20 | 9°13 | 22°24 | 28°39 | 29°13 | 23°54 | 5°43 | 10° 7 | 9° 4 | 24°12 | 15°30 | | |
| S 23 | 14 34 17 | 10° 5'15 | 16°47 | 0II41 | 29°51 | 9°56 | 22°20 | 28°D39 | 29°17 | 23°54 | 5°42 | 10°D 7 | 9° 1 | 24°19 | 15°29 | | |
| S 24 | 14 38 14 | 11° 3'07 | 0X53 | 1°18 | 0Y24 | 10°39 | 22°16 | 28°39 | 29°20 | 23°54 | 5°41 | 10° 8 | 8°58 | 24°25 | 15°28 | | |
| M25 | 14 42 10 | 12° 0'59 | 15°14 | 1°51 | 0°58 | 11°22 | 22°12 | 28°39 | 29°23 | 23°54 | 5°40 | 10°R 8 | 8°55 | 24°32 | 15°27 | | |
| T 26 | 14 46 7 | 12°58'49 | 29°49 | 2°19 | 1°33 | 12° 5 | 22° 8 | 28°40 | 29°27 | 23°54 | 5°40 | 10° 7 | 8°52 | 24°39 | 15°27 | | |
| W27 | 14 50 3 | 13°56'38 | 14Y34 | 2°42 | 2°10 | 12°48 | 22° 3 | 28°40 | 29°30 | 23°D54 | 5°39 | 10° 3 | 8°48 | 24°45 | 15°26 | | |
| T 28 | 14 54 0 | 14°54'26 | 29°22 | 3° 0 | 2°47 | 13°31 | 21°59 | 28°40 | 29°34 | 23°54 | 5°38 | 9°56 | 8°45 | 24°52 | 15°25 | | |
| F 29 | 14 57 57 | 15°52'12 | 14Z 6 | 3°13 | 3°26 | 14°14 | 21°54 | 28°41 | 29°37 | 23°54 | 5°37 | 9°48 | 8°42 | 24°59 | 15°24 | | |
| S 30 | 15 1 53 | 16Z49'57 | 28Z37 | 3II21 | 4Y 6 | 14Z57 | 21X49 | 28R42 | 29R41 | 23R54 | 5Z37 | 9M38 | 8M39 | 25M 5 | 15Z22 | | |

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SWISS EPHEMERIS for the year 1272

MAY 1272 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|------|-------|--------|---|---|
| S 1 | 15 5 50 | 17♁47'41 | 12♂50 | 3°R25 | 4♃47 | 15♁40 | 21°R44 | 28♂42 | 29♁44 | 23♂54 | 5°R36 | 9°R27 | 8♃36 | 25♃12 | 15°R21 | | |
| M 2 | 15 9 46 | 18°45'23 | 26°38 | 3♂23 | 5°29 | 16°23 | 21♁39 | 28°43 | 29°47 | 23°54 | 5♁35 | 9♃18 | 8°32 | 25°19 | 15♁20 | | |
| T 3 | 15 13 43 | 19°43'03 | 10♁0 | 3°17 | 6°12 | 17° 5 | 21°33 | 28°44 | 29°51 | 23°54 | 5°34 | 9°10 | 8°29 | 25°25 | 15°19 | | |
| W 4 | 15 17 39 | 20°40'43 | 22°56 | 3° 7 | 6°56 | 17°48 | 21°28 | 28°45 | 29°54 | 23°55 | 5°33 | 9° 5 | 8°26 | 25°32 | 15°17 | | |
| T 5 | 15 21 36 | 21°38'20 | 5♂29 | 2°52 | 7°41 | 18°31 | 21°22 | 28°47 | 29°58 | 23°55 | 5°32 | 9° 2 | 8°23 | 25°39 | 15°16 | | |
| F 6 | 15 25 33 | 22°35'56 | 17°42 | 2°34 | 8°27 | 19°13 | 21°17 | 28°48 | 0♂1 | 23°55 | 5°31 | 9°D 0 | 8°20 | 25°45 | 15°14 | | |
| S 7 | 15 29 29 | 23°33'31 | 29°42 | 2°12 | 9°13 | 19°56 | 21°11 | 28°49 | 0° 5 | 23°55 | 5°30 | 9° 0 | 8°17 | 25°52 | 15°12 | | |
| S 8 | 15 33 26 | 24°31'04 | 11♃33 | 1°46 | 10° 0 | 20°38 | 21° 5 | 28°51 | 0° 8 | 23°56 | 5°29 | 9°R 1 | 8°13 | 25°59 | 15°11 | | |
| M 9 | 15 37 22 | 25°28'35 | 23°21 | 1°18 | 10°48 | 21°21 | 20°59 | 28°52 | 0°12 | 23°56 | 5°28 | 9° 0 | 8°10 | 26° 5 | 15° 9 | | |
| T 10 | 15 41 19 | 26°26'05 | 5♂10 | 0°48 | 11°37 | 22° 3 | 20°52 | 28°54 | 0°16 | 23°56 | 5°27 | 8°57 | 8° 7 | 26°12 | 15° 7 | | |
| W11 | 15 45 15 | 27°23'34 | 17° 5 | 0°16 | 12°27 | 22°45 | 20°46 | 28°56 | 0°19 | 23°57 | 5°26 | 8°52 | 8° 4 | 26°19 | 15° 5 | | |
| T 12 | 15 49 12 | 28°21'02 | 29°11 | 29♁43 | 13°17 | 23°27 | 20°39 | 28°58 | 0°23 | 23°57 | 5°25 | 8°44 | 8° 1 | 26°25 | 15° 3 | | |
| F 13 | 15 53 8 | 29°18'28 | 11♂28 | 29°10 | 14° 8 | 24°10 | 20°33 | 29° 0 | 0°26 | 23°58 | 5°24 | 8°34 | 7°58 | 26°32 | 15° 1 | | |
| S 14 | 15 57 5 | 0♂15'54 | 24° 0 | 28°36 | 14°59 | 24°52 | 20°26 | 29° 2 | 0°30 | 23°58 | 5°22 | 8°22 | 7°54 | 26°39 | 14°59 | | |
| S 15 | 16 1 1 | 1°13'18 | 6♁45 | 28° 3 | 15°51 | 25°34 | 20°19 | 29° 4 | 0°33 | 23°59 | 5°21 | 8° 9 | 7°51 | 26°45 | 14°57 | | |
| M16 | 16 4 58 | 2°10'42 | 19°45 | 27°31 | 16°44 | 26°16 | 20°13 | 29° 7 | 0°37 | 24° 0 | 5°20 | 7°57 | 7°48 | 26°52 | 14°54 | | |
| T 17 | 16 8 55 | 3° 8'05 | 2♁57 | 27° 1 | 17°37 | 26°58 | 20° 6 | 29° 9 | 0°40 | 24° 0 | 5°19 | 7°46 | 7°45 | 26°58 | 14°52 | | |
| W18 | 16 12 51 | 4° 5'27 | 16°20 | 26°33 | 18°31 | 27°40 | 19°59 | 29°11 | 0°44 | 24° 1 | 5°18 | 7°38 | 7°42 | 27° 5 | 14°50 | | |
| T 19 | 16 16 48 | 5° 2'48 | 29°54 | 26° 7 | 19°25 | 28°22 | 19°52 | 29°14 | 0°47 | 24° 2 | 5°17 | 7°32 | 7°38 | 27°12 | 14°47 | | |
| F 20 | 16 20 44 | 6° 0'08 | 13♁37 | 25°45 | 20°20 | 29° 4 | 19°44 | 29°17 | 0°51 | 24° 2 | 5°15 | 7°29 | 7°35 | 27°18 | 14°45 | | |
| S 21 | 16 24 41 | 6°57'29 | 27°30 | 25°26 | 21°15 | 29°45 | 19°37 | 29°19 | 0°54 | 24° 3 | 5°14 | 7°28 | 7°32 | 27°25 | 14°42 | | |
| S 22 | 16 28 37 | 7°54'48 | 11♁31 | 25°11 | 22°11 | 0♂27 | 19°30 | 29°22 | 0°58 | 24° 4 | 5°13 | 7°28 | 7°29 | 27°32 | 14°40 | | |
| M23 | 16 32 34 | 8°52'07 | 25°41 | 25° 0 | 23° 8 | 1° 9 | 19°22 | 29°25 | 1° 1 | 24° 5 | 5°11 | 7°27 | 7°26 | 27°38 | 14°37 | | |
| T 24 | 16 36 30 | 9°49'26 | 9♃59 | 24°53 | 24° 4 | 1°50 | 19°15 | 29°28 | 1° 5 | 24° 5 | 5°10 | 7°25 | 7°23 | 27°45 | 14°35 | | |
| W25 | 16 40 27 | 10°46'44 | 24°21 | 24°D50 | 25° 2 | 2°32 | 19° 8 | 29°31 | 1° 8 | 24° 6 | 5° 9 | 7°21 | 7°19 | 27°52 | 14°32 | | |
| T 26 | 16 44 24 | 11°44'02 | 8♁45 | 24°52 | 25°59 | 3°14 | 19° 0 | 29°35 | 1°12 | 24° 7 | 5° 8 | 7°14 | 7°16 | 27°58 | 14°29 | | |
| F 27 | 16 48 20 | 12°41'19 | 23° 5 | 24°59 | 26°57 | 3°55 | 18°52 | 29°38 | 1°15 | 24° 8 | 5° 6 | 7° 4 | 7°13 | 28° 5 | 14°26 | | |
| S 28 | 16 52 17 | 13°38'36 | 7♂16 | 25°10 | 27°56 | 4°37 | 18°45 | 29°41 | 1°19 | 24° 9 | 5° 5 | 6°53 | 7°10 | 28°12 | 14°23 | | |
| S 29 | 16 56 13 | 14°35'53 | 21°12 | 25°25 | 28°54 | 5°18 | 18°37 | 29°45 | 1°22 | 24°10 | 5° 3 | 6°41 | 7° 7 | 28°18 | 14°20 | | |
| M30 | 17 0 10 | 15°33'09 | 4♁48 | 25°46 | 29°53 | 5°59 | 18°30 | 29°49 | 1°26 | 24°11 | 5° 2 | 6°30 | 7° 4 | 28°25 | 14°17 | | |
| T 31 | 17 4 6 | 16♂30'24 | 18♁2 | 26♁10 | 0♁53 | 6♂41 | 18♁22 | 29♂52 | 1♂29 | 24♂12 | 5♁1 | 6♃21 | 7♃0 | 28♃32 | 14♁14 | | |

Delta T = 08m50s Julian Calendar 1 May 1272 == Greg. Calendar 8 May 1272

JUNE 1272 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|-------|--------|-------|------|-------|-------|-------|------|-------|--------|---|---|
| W 1 | 17 8 3 | 17♂27'38 | 0♂55 | 26♁39 | 1♁53 | 7♂22 | 18°R14 | 29♂56 | 1♂33 | 24♂13 | 4°R59 | 6°R14 | 6♃57 | 28♃38 | 14°R11 | | |
| T 2 | 17 12 0 | 18°24'52 | 13°26 | 27°13 | 2°53 | 8° 3 | 18♁ 7 | 0♂0 | 1°36 | 24°14 | 4♁58 | 6♃10 | 6°54 | 28°45 | 14♁ 8 | | |
| F 3 | 17 15 56 | 19°22'06 | 25°39 | 27°51 | 3°53 | 8°44 | 17°59 | 0° 4 | 1°39 | 24°16 | 4°56 | 6° 8 | 6°51 | 28°52 | 14° 5 | | |
| S 4 | 17 19 53 | 20°19'18 | 7♃40 | 28°34 | 4°54 | 9°25 | 17°51 | 0° 8 | 1°43 | 24°17 | 4°55 | 6°D 8 | 6°48 | 28°58 | 14° 2 | | |
| S 5 | 17 23 49 | 21°16'30 | 19°32 | 29°20 | 5°55 | 10° 7 | 17°44 | 0°12 | 1°46 | 24°18 | 4°54 | 6°R 8 | 6°44 | 29° 5 | 13°59 | | |
| M 6 | 17 27 46 | 22°13'42 | 1♂21 | 0♂11 | 6°56 | 10°48 | 17°36 | 0°16 | 1°50 | 24°19 | 4°52 | 6° 7 | 6°41 | 29°12 | 13°55 | | |
| T 7 | 17 31 42 | 23°10'53 | 13°12 | 1° 6 | 7°58 | 11°29 | 17°28 | 0°20 | 1°53 | 24°20 | 4°51 | 6° 6 | 6°38 | 29°18 | 13°52 | | |
| W 8 | 17 35 39 | 24° 8'03 | 25°11 | 2° 5 | 9° 0 | 12° 9 | 17°21 | 0°25 | 1°56 | 24°22 | 4°49 | 6° 2 | 6°35 | 29°25 | 13°49 | | |
| T 9 | 17 39 35 | 25° 5'13 | 7♂22 | 3° 8 | 10° 2 | 12°50 | 17°13 | 0°29 | 2° 0 | 24°23 | 4°48 | 5°55 | 6°32 | 29°32 | 13°46 | | |
| F 10 | 17 43 32 | 26° 2'23 | 19°48 | 4°15 | 11° 4 | 13°31 | 17° 6 | 0°33 | 2° 3 | 24°24 | 4°46 | 5°47 | 6°29 | 29°38 | 13°42 | | |
| S 11 | 17 47 29 | 26°59'32 | 2♁31 | 5°26 | 12° 7 | 14°12 | 16°58 | 0°38 | 2° 6 | 24°26 | 4°45 | 5°36 | 6°25 | 29°45 | 13°39 | | |
| S 12 | 17 51 25 | 27°56'41 | 15°33 | 6°40 | 13°10 | 14°53 | 16°51 | 0°43 | 2° 9 | 24°27 | 4°43 | 5°25 | 6°22 | 29°52 | 13°35 | | |
| M13 | 17 55 22 | 28°53'50 | 28°52 | 7°59 | 14°13 | 15°33 | 16°43 | 0°47 | 2°13 | 24°28 | 4°42 | 5°15 | 6°19 | 29°58 | 13°32 | | |
| T 14 | 17 59 18 | 29°50'59 | 12♁27 | 9°21 | 15°16 | 16°14 | 16°36 | 0°52 | 2°16 | 24°30 | 4°40 | 5° 5 | 6°16 | 0♂ 5 | 13°28 | | |
| W15 | 18 3 15 | 0♁48'08 | 26°14 | 10°47 | 16°20 | 16°55 | 16°29 | 0°57 | 2°19 | 24°31 | 4°39 | 4°58 | 6°13 | 0°11 | 13°25 | | |
| T 16 | 18 7 11 | 1°45'17 | 10♁11 | 12°17 | 17°24 | 17°35 | 16°22 | 1° 2 | 2°22 | 24°33 | 4°37 | 4°53 | 6°10 | 0°18 | 13°21 | | |
| F 17 | 18 11 8 | 2°42'27 | 24°15 | 13°50 | 18°28 | 18°16 | 16°15 | 1° 7 | 2°25 | 24°34 | 4°36 | 4°51 | 6° 6 | 0°25 | 13°18 | | |
| S 18 | 18 15 4 | 3°39'36 | 8♁22 | 15°27 | 19°32 | 18°56 | 16° 8 | 1°12 | 2°29 | 24°36 | 4°35 | 4°D50 | 6° 3 | 0°31 | 13°14 | | |
| S 19 | 18 19 1 | 4°36'46 | 22°30 | 17° 7 | 20°37 | 19°37 | 16° 1 | 1°17 | 2°32 | 24°37 | 4°33 | 4°51 | 6° 0 | 0°38 | 13°11 | | |
| M20 | 18 22 58 | 5°33'57 | 6♃40 | 18°51 | 21°41 | 20°17 | 15°54 | 1°22 | 2°35 | 24°39 | 4°32 | 4°R51 | 5°57 | 0°45 | 13° 7 | | |
| T 21 | 18 26 54 | 6°31'08 | 20°48 | 20°38 | 22°46 | 20°57 | 15°47 | 1°28 | 2°38 | 24°40 | 4°30 | 4°50 | 5°54 | 0°51 | 13° 4 | | |
| W22 | 18 30 51 | 7°28'19 | 4♁54 | 22°28 | 23°51 | 21°38 | 15°40 | 1°33 | 2°41 | 24°42 | 4°29 | 4°48 | 5°50 | 0°58 | 13° 0 | | |
| T 23 | 18 34 47 | 8°25'31 | 18°56 | 24°20 | 24°56 | 22°18 | 15°34 | 1°38 | 2°44 | 24°44 | 4°27 | 4°42 | 5°47 | 1° 5 | 12°56 | | |
| F 24 | 18 38 44 | 9°22'44 | 2♂50 | 26°16 | 26° 2 | 22°58 | 15°27 | 1°44 | 2°47 | 24°45 | 4°26 | 4°35 | 5°44 | 1°11 | 12°53 | | |
| S 25 | 18 42 40 | 10°19'57 | 16°35 | 28°14 | 27° 7 | 23°38 | 15°21 | 1°50 | 2°50 | 24°47 | 4°24 | 4°27 | 5°41 | 1°18 | 12°49 | | |
| S 26 | 18 46 37 | 11°17'10 | 0♁ 6 | 0♁14 | 28°13 | 24°18 | 15°15 | 1°55 | 2°53 | 24°49 | 4°23 | 4°18 | 5°38 | 1°25 | 12°46 | | |
| M27 | 18 50 33 | 12°14'24 | 13°22 | 2°17 | 29°19 | 24°59 | 15° 8 | 2° 1 | 2°56 | 24°51 | 4°21 | 4°10 | 5°35 | 1°31 | 12°42 | | |
| T 28 | 18 54 30 | 13°11'39 | 26°21 | 4°21 | 0♂25 | 25°39 | 15° 2 | 2° 7 | 2°59 | 24°52 | 4°20 | 4° 3 | 5°31 | 1°38 | 12°38 | | |
| W29 | 18 58 27 | 14° 8'54 | 9♂ 2 | 6°26 | 1°32 | 26°19 | 14°57 | 2°12 | 3° 2 | 24°54 | 4°18 | 3°58 | 5°28 | 1°45 | 12°35 | | |
| T 30 | 19 2 23 | 15♁ 6'09 | 21♂26 | 8♁33 | 2♂38 | 26♂59 | 14♁51 | 2♂18 | 3♂ 5 | 24♂56 | 4♁17 | 3♂55 | 5♂25 | 1♂51 | 12♁31 | | |

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SWISS EPHEMERIS for the year 1272

JULY 1272 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|--------|-------|-------|-------|--------|------|------|-------|-------|-------|------|------|--------|
| F 1 | 19 6 20 | 16☾ 3'24 | 3♐36 | 10☾40 | 3♁45 | 27♁38 | 14°R45 | 2♐24 | 3♁ 7 | 24♁58 | 4°R15 | 3♐54 | 5♐22 | 1♁58 | 12°R27 |
| S 2 | 19 10 16 | 17° 0'40 | 15°35 | 12°48 | 4°51 | 28°18 | 14°A40 | 2°30 | 3°10 | 24°59 | 4°B14 | 3°55 | 5°19 | 2° 5 | 12°B24 |
| S 3 | 19 14 13 | 17°57'55 | 27°26 | 14°55 | 5°58 | 28°58 | 14°34 | 2°36 | 3°13 | 25° 1 | 4°12 | 3°56 | 5°15 | 2°11 | 12°20 |
| M 4 | 19 18 9 | 18°55'12 | 9♁15 | 17° 3 | 7° 5 | 29°38 | 14°29 | 2°42 | 3°16 | 25° 3 | 4°11 | 3°57 | 5°12 | 2°18 | 12°17 |
| T 5 | 19 22 6 | 19°52'28 | 21° 7 | 19°11 | 8°12 | 0☾18 | 14°24 | 2°48 | 3°18 | 25° 5 | 4°10 | 3°R58 | 5° 9 | 2°25 | 12°13 |
| W 6 | 19 26 2 | 20°49'46 | 3♁ 7 | 21°17 | 9°20 | 0°57 | 14°19 | 2°54 | 3°21 | 25° 7 | 4° 8 | 3°57 | 5° 6 | 2°31 | 12°10 |
| T 7 | 19 29 59 | 21°47'03 | 15°19 | 23°24 | 10°27 | 1°37 | 14°15 | 3° 1 | 3°24 | 25° 9 | 4° 7 | 3°54 | 5° 3 | 2°38 | 12° 6 |
| F 8 | 19 33 56 | 22°44'21 | 27°49 | 25°29 | 11°35 | 2°17 | 14°10 | 3° 7 | 3°26 | 25°11 | 4° 5 | 3°50 | 5° 0 | 2°45 | 12° 3 |
| S 9 | 19 37 52 | 23°41'40 | 10°A39 | 27°32 | 12°42 | 2°56 | 14° 6 | 3°13 | 3°29 | 25°13 | 4° 4 | 3°44 | 4°56 | 2°51 | 11°59 |
| S 10 | 19 41 49 | 24°38'59 | 23°50 | 29°35 | 13°50 | 3°36 | 14° 1 | 3°20 | 3°31 | 25°15 | 4° 3 | 3°38 | 4°53 | 2°58 | 11°56 |
| M11 | 19 45 45 | 25°36'19 | 7☾24 | 1♁37 | 14°58 | 4°15 | 13°57 | 3°26 | 3°34 | 25°17 | 4° 1 | 3°32 | 4°50 | 3° 5 | 11°52 |
| T 12 | 19 49 42 | 26°33'39 | 21°17 | 3°37 | 16° 6 | 4°55 | 13°53 | 3°32 | 3°36 | 25°19 | 4° 0 | 3°27 | 4°47 | 3°11 | 11°49 |
| W13 | 19 53 38 | 27°31'01 | 5☾28 | 5°35 | 17°14 | 5°34 | 13°49 | 3°39 | 3°39 | 25°21 | 3°58 | 3°23 | 4°44 | 3°18 | 11°45 |
| T 14 | 19 57 35 | 28°28'23 | 19°50 | 7°32 | 18°23 | 6°13 | 13°46 | 3°46 | 3°41 | 25°23 | 3°57 | 3°20 | 4°41 | 3°25 | 11°42 |
| F 15 | 20 1 31 | 29°25'47 | 4♁19 | 9°27 | 19°31 | 6°53 | 13°42 | 3°52 | 3°43 | 25°25 | 3°56 | 3°D20 | 4°37 | 3°31 | 11°38 |
| S 16 | 20 5 28 | 0♁23'11 | 18°49 | 11°21 | 20°40 | 7°32 | 13°39 | 3°59 | 3°46 | 25°27 | 3°55 | 3°20 | 4°34 | 3°38 | 11°35 |
| S 17 | 20 9 25 | 1°20'37 | 3♁15 | 13°14 | 21°48 | 8°11 | 13°36 | 4° 5 | 3°48 | 25°29 | 3°53 | 3°22 | 4°31 | 3°45 | 11°32 |
| M18 | 20 13 21 | 2°18'04 | 17°35 | 15° 4 | 22°57 | 8°50 | 13°33 | 4°12 | 3°50 | 25°31 | 3°52 | 3°23 | 4°28 | 3°51 | 11°29 |
| T 19 | 20 17 18 | 3°15'32 | 1♁45 | 16°53 | 24° 6 | 9°29 | 13°30 | 4°19 | 3°52 | 25°33 | 3°51 | 3°R24 | 4°25 | 3°58 | 11°25 |
| W20 | 20 21 14 | 4°13'02 | 15°44 | 18°41 | 25°15 | 10° 9 | 13°28 | 4°26 | 3°54 | 25°35 | 3°49 | 3°23 | 4°21 | 4° 5 | 11°22 |
| T 21 | 20 25 11 | 5°10'33 | 29°31 | 20°27 | 26°24 | 10°48 | 13°25 | 4°33 | 3°56 | 25°37 | 3°48 | 3°22 | 4°18 | 4°11 | 11°19 |
| F 22 | 20 29 7 | 6° 8'06 | 13♁ 6 | 22°11 | 27°34 | 11°27 | 13°23 | 4°39 | 3°58 | 25°39 | 3°47 | 3°19 | 4°15 | 4°18 | 11°16 |
| S 23 | 20 33 4 | 7° 5'40 | 26°27 | 23°54 | 28°43 | 12° 6 | 13°21 | 4°46 | 4° 0 | 25°41 | 3°46 | 3°15 | 4°12 | 4°25 | 11°13 |
| S 24 | 20 37 0 | 8° 3'15 | 9☾34 | 25°36 | 29°53 | 12°45 | 13°19 | 4°53 | 4° 2 | 25°44 | 3°45 | 3°11 | 4° 9 | 4°31 | 11°10 |
| M25 | 20 40 57 | 9° 0'52 | 22°27 | 27°16 | 1☾ 2 | 13°24 | 13°18 | 5° 0 | 4° 4 | 25°46 | 3°44 | 3° 7 | 4° 6 | 4°38 | 11° 7 |
| T 26 | 20 44 54 | 9°58'30 | 5♁ 6 | 28°54 | 2°12 | 14° 2 | 13°16 | 5° 7 | 4° 6 | 25°48 | 3°42 | 3° 4 | 4° 2 | 4°45 | 11° 4 |
| W27 | 20 48 50 | 10°56'10 | 17°32 | 0♐31 | 3°22 | 14°41 | 13°15 | 5°14 | 4° 8 | 25°50 | 3°41 | 3° 2 | 3°59 | 4°51 | 11° 1 |
| T 28 | 20 52 47 | 11°53'50 | 29°45 | 2° 6 | 4°32 | 15°20 | 13°14 | 5°21 | 4°10 | 25°52 | 3°40 | 3°D 2 | 3°56 | 4°58 | 10°58 |
| F 29 | 20 56 43 | 12°51'32 | 11♐48 | 3°40 | 5°42 | 15°59 | 13°13 | 5°29 | 4°12 | 25°54 | 3°39 | 3° 2 | 3°53 | 5° 5 | 10°55 |
| S 30 | 21 0 40 | 13°49'15 | 23°43 | 5°13 | 6°52 | 16°38 | 13°12 | 5°36 | 4°13 | 25°57 | 3°38 | 3° 3 | 3°50 | 5°11 | 10°52 |
| S 31 | 21 4 36 | 14♁46'59 | 5♁32 | 6♐43 | 8☾ 2 | 17☾16 | 13°A12 | 5♐43 | 4♁15 | 25♁59 | 3☾37 | 3♐ 4 | 3♐47 | 5♁18 | 10☾50 |

Delta T = 08m50s Julian Calendar 1 July 1272 == Greg. Calendar 8 July 1272

AUGUST 1272 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|-------|-------|-------|-------|--------|------|------|-------|-------|-------|------|------|--------|
| M 1 | 21 8 33 | 15♁44'45 | 17♁21 | 8♐13 | 9☾12 | 17☾55 | 13°R11 | 5♐50 | 4♁17 | 26♁ 1 | 3°R36 | 3♐ 6 | 3♐43 | 5♁25 | 10°R47 |
| T 2 | 21 12 29 | 16°42'31 | 29°12 | 9°41 | 10°23 | 18°34 | 13°D11 | 5°57 | 4°18 | 26° 3 | 3☾35 | 3° 7 | 3°40 | 5°31 | 10☾44 |
| W 3 | 21 16 26 | 17°40'19 | 11♁11 | 11° 7 | 11°33 | 19°12 | 13°A11 | 6° 4 | 4°20 | 26° 5 | 3°34 | 3° 8 | 3°37 | 5°38 | 10°42 |
| T 4 | 21 20 23 | 18°38'08 | 23°22 | 12°32 | 12°44 | 19°51 | 13°12 | 6°12 | 4°21 | 26° 8 | 3°33 | 3°R 8 | 3°34 | 5°45 | 10°39 |
| F 5 | 21 24 19 | 19°35'58 | 5♁50 | 13°55 | 13°54 | 20°29 | 13°12 | 6°19 | 4°23 | 26°10 | 3°32 | 3° 7 | 3°31 | 5°51 | 10°37 |
| S 6 | 21 28 16 | 20°33'50 | 18°39 | 15°17 | 15° 5 | 21° 8 | 13°13 | 6°26 | 4°24 | 26°12 | 3°31 | 3° 6 | 3°27 | 5°58 | 10°34 |
| S 7 | 21 32 12 | 21°31'43 | 1☾51 | 16°36 | 16°16 | 21°46 | 13°13 | 6°34 | 4°26 | 26°14 | 3°30 | 3° 5 | 3°24 | 6° 5 | 10°32 |
| M 8 | 21 36 9 | 22°29'37 | 15°29 | 17°55 | 17°27 | 22°24 | 13°14 | 6°41 | 4°27 | 26°16 | 3°30 | 3° 3 | 3°21 | 6°11 | 10°30 |
| T 9 | 21 40 5 | 23°27'33 | 29°32 | 19°11 | 18°38 | 23° 3 | 13°15 | 6°48 | 4°28 | 26°19 | 3°29 | 3° 2 | 3°18 | 6°18 | 10°28 |
| W10 | 21 44 2 | 24°25'30 | 13☾56 | 20°26 | 19°49 | 23°41 | 13°17 | 6°56 | 4°29 | 26°21 | 3°28 | 3° 1 | 3°15 | 6°25 | 10°25 |
| T 11 | 21 47 58 | 25°23'28 | 28°38 | 21°39 | 21° 0 | 24°19 | 13°18 | 7° 3 | 4°30 | 26°23 | 3°27 | 3°D 1 | 3°12 | 6°31 | 10°23 |
| F 12 | 21 51 55 | 26°21'29 | 13♁31 | 22°50 | 22°11 | 24°57 | 13°20 | 7°10 | 4°32 | 26°25 | 3°26 | 3° 1 | 3° 8 | 6°38 | 10°21 |
| S 13 | 21 55 52 | 27°19'31 | 28°26 | 23°59 | 23°23 | 25°35 | 13°22 | 7°18 | 4°33 | 26°28 | 3°26 | 3° 1 | 3° 5 | 6°45 | 10°19 |
| S 14 | 21 59 48 | 28°17'34 | 13♁16 | 25° 5 | 24°34 | 26°14 | 13°24 | 7°25 | 4°34 | 26°30 | 3°25 | 3° 2 | 3° 2 | 6°51 | 10°17 |
| M15 | 22 3 45 | 29°15'40 | 27°54 | 26°10 | 25°46 | 26°52 | 13°26 | 7°33 | 4°35 | 26°32 | 3°24 | 3° 2 | 2°59 | 6°58 | 10°16 |
| T 16 | 22 7 41 | 0♐13'48 | 12♁16 | 27°12 | 26°57 | 27°30 | 13°29 | 7°40 | 4°36 | 26°34 | 3°24 | 3° 3 | 2°56 | 7° 5 | 10°14 |
| W17 | 22 11 38 | 1°11'58 | 26°19 | 28°12 | 28° 9 | 28° 8 | 13°31 | 7°48 | 4°36 | 26°36 | 3°23 | 3° 3 | 2°53 | 7°11 | 10°12 |
| T 18 | 22 15 34 | 2°10'10 | 10♁ 2 | 29° 9 | 29°21 | 28°46 | 13°34 | 7°55 | 4°37 | 26°39 | 3°22 | 3°R 3 | 2°49 | 7°18 | 10°11 |
| F 19 | 22 19 31 | 3° 8'24 | 23°26 | 0♁ 3 | 0♁33 | 29°24 | 13°37 | 8° 2 | 4°38 | 26°41 | 3°22 | 3°D 3 | 2°46 | 7°25 | 10° 9 |
| S 20 | 22 23 27 | 4° 6'40 | 6☾30 | 0°55 | 1°45 | 0♁ 2 | 13°40 | 8°10 | 4°39 | 26°43 | 3°21 | 3° 3 | 2°43 | 7°31 | 10° 7 |
| S 21 | 22 27 24 | 5° 4'58 | 19°18 | 1°43 | 2°57 | 0°39 | 13°44 | 8°17 | 4°39 | 26°45 | 3°21 | 3° 3 | 2°40 | 7°38 | 10° 6 |
| M22 | 22 31 21 | 6° 3'19 | 1♁52 | 2°28 | 4° 9 | 1°17 | 13°47 | 8°25 | 4°40 | 26°48 | 3°20 | 3° 3 | 2°37 | 7°45 | 10° 5 |
| T 23 | 22 35 17 | 7° 1'41 | 14°13 | 3° 9 | 5°21 | 1°55 | 13°51 | 8°32 | 4°41 | 26°50 | 3°20 | 3° 3 | 2°33 | 7°51 | 10° 3 |
| W24 | 22 39 14 | 8° 0'05 | 26°23 | 3°46 | 6°33 | 2°33 | 13°55 | 8°40 | 4°41 | 26°52 | 3°19 | 3° 4 | 2°30 | 7°58 | 10° 2 |
| T 25 | 22 43 10 | 8°58'31 | 8♐26 | 4°19 | 7°46 | 3°11 | 13°59 | 8°47 | 4°41 | 26°54 | 3°19 | 3°R 4 | 2°27 | 8° 5 | 10° 1 |
| F 26 | 22 47 7 | 9°56'59 | 20°21 | 4°48 | 8°58 | 3°48 | 14° 3 | 8°55 | 4°42 | 26°56 | 3°18 | 3° 3 | 2°24 | 8°11 | 10° 0 |
| S 27 | 22 51 3 | 10°55'29 | 2♁12 | 5°11 | 10°11 | 4°26 | 14° 8 | 9° 2 | 4°42 | 26°59 | 3°18 | 3° 3 | 2°21 | 8°18 | 9°59 |
| S 28 | 22 55 0 | 11°54'01 | 14° 0 | 5°30 | 11°23 | 5° 3 | 14°12 | 9°10 | 4°43 | 27° 1 | 3°18 | 3° 2 | 2°18 | 8°25 | 9°58 |
| M29 | 22 58 56 | 12°52'34 | 25°49 | 5°43 | 12°36 | 5°41 | 14°17 | 9°17 | 4°43 | 27° 3 | 3°17 | 3° 0 | 2°14 | 8°31 | 9°57 |
| T 30 | 23 2 53 | 13°51'09 | 7♁41 | 5°50 | 13°49 | 6°18 | 14°22 | 9°25 | 4°43 | 27° 5 | 3°17 | 2°59 | 2°11 | 8°38 | 9°56 |
| W31 | 23 6 49 | 14♐49'46 | 19♁40 | 5°R51 | 15♁ 1 | 6♁56 | 14°A27 | 9♐32 | 4♁43 | 27♁ 7 | 3☾17 | 2♐57 | 2♐ 8 | 8♁45 | 9☾56 |

Delta T = 08m50s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 1272

SEPTEMBER 1272 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | |
|------|----------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---|---|---|---|---|---|---|---|--|
| T 1 | 23 10 46 | 15 ^h 48'25" | 1 ^h 50' | 5°R46 | 16 ^h 14' | 7 ^h 33' | 14 ^h 32' | 9 ^h 40' | 4 ^h 43' | 27 ^h 09' | 3 ^h R17 | 2°R56 | 2 ^h 05' | 8 ^h 51' | 9°R55 | | | | | | | | | |
| F 2 | 23 14 43 | 16°47'06" | 14°14' | 5 ^h 33' | 17°27' | 8°11' | 14°38' | 9°47' | 4°R43 | 27°11' | 3 ^h R17 | 2°D56 | 2° 2' | 8°58' | 9 ^h R55 | | | | | | | | | |
| S 3 | 23 18 39 | 17°45'48" | 26°58' | 5°14' | 18°40' | 8°48' | 14°43' | 9°55' | 4°43' | 27°14' | 3°16' | 2 ^h 056 | 1°58' | 9° 5' | 9°54' | | | | | | | | | |
| S 4 | 23 22 36 | 18°44'32" | 10 ^h 3' | 4°47' | 19°53' | 9°25' | 14°49' | 10° 2' | 4°43' | 27°16' | 3°16' | 2°57' | 1°55' | 9°11' | 9°54' | | | | | | | | | |
| M 5 | 23 26 32 | 19°43'18" | 23°36' | 4°13' | 21° 6' | 10° 3' | 14°55' | 10°10' | 4°43' | 27°18' | 3°16' | 2°58' | 1°52' | 9°18' | 9°53' | | | | | | | | | |
| T 6 | 23 30 29 | 20°42'05" | 7 ^h 33' | 3°33' | 22°19' | 10°40' | 15° 1' | 10°17' | 4°43' | 27°20' | 3°16' | 2°59' | 1°49' | 9°25' | 9°53' | | | | | | | | | |
| W 7 | 23 34 25 | 21°40'54" | 22° 0' | 2°45' | 23°33' | 11°17' | 15° 7' | 10°24' | 4°43' | 27°22' | 3°16' | 3° 0' | 1°46' | 9°31' | 9°53' | | | | | | | | | |
| T 8 | 23 38 22 | 22°39'45" | 6 ^h 48' | 1°51' | 24°46' | 11°54' | 15°13' | 10°32' | 4°42' | 27°24' | 3°D16 | 3°R 0' | 1°43' | 9°38' | 9°53' | | | | | | | | | |
| F 9 | 23 42 18 | 23°38'38" | 21°53' | 0°52' | 25°59' | 12°31' | 15°20' | 10°39' | 4°42' | 27°26' | 3°16' | 3° 0' | 1°39' | 9°45' | 9°D53 | | | | | | | | | |
| S 10 | 23 46 15 | 24°37'33" | 7 ^h 06' | 29 ^h 48' | 27°13' | 13° 8' | 15°26' | 10°47' | 4°42' | 27°28' | 3°16' | 2°58' | 1°36' | 9°51' | 9°53' | | | | | | | | | |
| S 11 | 23 50 12 | 25°36'31" | 22°16' | 28°41' | 28°26' | 13°45' | 15°33' | 10°54' | 4°41' | 27°30' | 3°16' | 2°55' | 1°33' | 9°58' | 9°53' | | | | | | | | | |
| M12 | 23 54 8 | 26°35'30" | 7 ^h 15' | 27°33' | 29°40' | 14°22' | 15°40' | 11° 1' | 4°41' | 27°32' | 3°16' | 2°52' | 1°30' | 10° 5' | 9°53' | | | | | | | | | |
| T 13 | 23 58 5 | 27°34'32" | 21°55' | 26°25' | 0 ^h 53' | 14°59' | 15°47' | 11° 8' | 4°40' | 27°34' | 3°17' | 2°49' | 1°27' | 10°11' | 9°54' | | | | | | | | | |
| W14 | 0 2 1 | 28°33'36" | 6 ^h 10' | 25°19' | 2° 7' | 15°36' | 15°54' | 11°16' | 4°40' | 27°36' | 3°17' | 2°46' | 1°24' | 10°18' | 9°54' | | | | | | | | | |
| T 15 | 0 5 58 | 29°32'42" | 19°58' | 24°17' | 3°21' | 16°13' | 16° 2' | 11°23' | 4°39' | 27°38' | 3°17' | 2°45' | 1°20' | 10°25' | 9°55' | | | | | | | | | |
| F 16 | 0 9 54 | 0 ^h 31'51" | 3 ^h 21' | 23°21' | 4°34' | 16°50' | 16° 9' | 11°30' | 4°38' | 27°40' | 3°17' | 2°D45 | 1°17' | 10°31' | 9°55' | | | | | | | | | |
| S 17 | 0 13 51 | 1°31'02" | 16°19' | 22°31' | 5°48' | 17°26' | 16°17' | 11°37' | 4°38' | 27°42' | 3°17' | 2°45' | 1°14' | 10°38' | 9°56' | | | | | | | | | |
| S 18 | 0 17 47 | 2°30'16" | 28°57' | 21°50' | 7° 2' | 18° 3' | 16°25' | 11°45' | 4°37' | 27°44' | 3°18' | 2°47' | 1°11' | 10°45' | 9°56' | | | | | | | | | |
| M19 | 0 21 44 | 3°29'32" | 11 ^h 18' | 21°19' | 8°16' | 18°40' | 16°33' | 11°52' | 4°36' | 27°46' | 3°18' | 2°49' | 1° 8' | 10°52' | 9°57' | | | | | | | | | |
| T 20 | 0 25 41 | 4°28'50" | 23°26' | 20°58' | 9°30' | 19°16' | 16°41' | 11°59' | 4°35' | 27°48' | 3°18' | 2°50' | 1° 4' | 10°58' | 9°58' | | | | | | | | | |
| W21 | 0 29 37 | 5°28'10" | 5 ^h 26' | 20°D48 | 10°44' | 19°53' | 16°49' | 12° 6' | 4°34' | 27°49' | 3°19' | 2°R50 | 1° 1' | 11° 5' | 9°59' | | | | | | | | | |
| T 22 | 0 33 34 | 6°27'33" | 17°19' | 20°48' | 11°58' | 20°29' | 16°57' | 12°13' | 4°33' | 27°51' | 3°19' | 2°49' | 0°58' | 11°12' | 10° 0' | | | | | | | | | |
| F 23 | 0 37 30 | 7°26'58" | 29° 9' | 20°59' | 13°12' | 21° 6' | 17° 6' | 12°20' | 4°32' | 27°53' | 3°20' | 2°46' | 0°55' | 11°18' | 10° 1' | | | | | | | | | |
| S 24 | 0 41 27 | 8°26'24" | 10 ^h 58' | 21°21' | 14°27' | 21°42' | 17°14' | 12°27' | 4°31' | 27°55' | 3°20' | 2°42' | 0°52' | 11°25' | 10° 2' | | | | | | | | | |
| S 25 | 0 45 23 | 9°25'53" | 22°48' | 21°52' | 15°41' | 22°19' | 17°23' | 12°34' | 4°30' | 27°57' | 3°21' | 2°36' | 0°49' | 11°32' | 10° 3' | | | | | | | | | |
| M26 | 0 49 20 | 10°25'24" | 4 ^h 14' | 22°33' | 16°55' | 22°55' | 17°32' | 12°41' | 4°29' | 27°58' | 3°21' | 2°29' | 0°45' | 11°38' | 10° 5' | | | | | | | | | |
| T 27 | 0 53 16 | 11°24'57" | 16°36' | 23°22' | 18° 9' | 23°31' | 17°41' | 12°48' | 4°28' | 28° 0' | 3°22' | 2°21' | 0°42' | 11°45' | 10° 6' | | | | | | | | | |
| W28 | 0 57 13 | 12°24'32" | 28°40' | 24°19' | 19°24' | 24° 8' | 17°50' | 12°55' | 4°27' | 28° 2' | 3°22' | 2°14' | 0°39' | 11°52' | 10° 8' | | | | | | | | | |
| T 29 | 1 1 9 | 13°24'09" | 10 ^h 52' | 25°23' | 20°38' | 24°44' | 17°59' | 13° 2' | 4°25' | 28° 4' | 3°23' | 2° 8' | 0°36' | 11°58' | 10° 9' | | | | | | | | | |
| F 30 | 1 5 6 | 14 ^h 23'47" | 23 ^h 17' | 26 ^h 32' | 21 ^h 53' | 25 ^h 20' | 18 ^h 9' | 13 ^h 09' | 4 ^h 24' | 28 ^h 5' | 3 ^h 24' | 2 ^h 04' | 0 ^h 33' | 12 ^h 5' | 10 ^h 11' | | | | | | | | | |

Delta T = 08m49s

Julian Calendar 1 Sept. 1272 == Greg. Calendar 8 Sept. 1272

OCTOBER 1272 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | |
|------|---------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---|---|---|---|---|---|---|---|--|
| S 1 | 1 9 3 | 15 ^h 23'28" | 5 ^h 57' | 27 ^h 47' | 23 ^h 07' | 25 ^h 56' | 18 ^h 18' | 13 ^h 15' | 4°R22 | 28 ^h 07' | 3 ^h R24 | 2°R 2' | 0 ^h 29' | 12 ^h 12' | 10 ^h R12 | | | | | | | | | |
| S 2 | 1 12 59 | 16°23'10" | 18°56' | 29° 7' | 24°22' | 26°32' | 18°28' | 13°22' | 4 ^h 21' | 28° 9' | 3°25' | 2°D 2' | 0°26' | 12°18' | 10°14' | | | | | | | | | |
| M 3 | 1 16 56 | 17°22'54" | 2 ^h 18' | 0 ^h 31' | 25°36' | 27° 8' | 18°37' | 13°29' | 4°20' | 28°10' | 3°26' | 2 ^h 02' | 0°23' | 12°25' | 10°16' | | | | | | | | | |
| T 4 | 1 20 52 | 18°22'39" | 16° 5' | 1°57' | 26°51' | 27°44' | 18°47' | 13°35' | 4°18' | 28°12' | 3°27' | 2° 4' | 0°20' | 12°32' | 10°18' | | | | | | | | | |
| W 5 | 1 24 49 | 19°22'26" | 0 ^h 18' | 3°27' | 28° 5' | 28°20' | 18°57' | 13°42' | 4°17' | 28°13' | 3°28' | 2°R 4' | 0°17' | 12°38' | 10°20' | | | | | | | | | |
| T 6 | 1 28 45 | 20°22'15" | 14°57' | 4°59' | 29°20' | 28°56' | 19° 7' | 13°48' | 4°15' | 28°15' | 3°28' | 2° 4' | 0°14' | 12°45' | 10°22' | | | | | | | | | |
| F 7 | 1 32 42 | 21°22'06" | 29°57' | 6°33' | 0 ^h 35' | 29°31' | 19°17' | 13°55' | 4°13' | 28°16' | 3°29' | 2° 1' | 0°10' | 12°52' | 10°24' | | | | | | | | | |
| S 8 | 1 36 38 | 22°21'59" | 15 ^h 11' | 8° 8' | 1°49' | 0 ^h 07' | 19°28' | 14° 1' | 4°12' | 28°18' | 3°30' | 1°56' | 0° 7' | 12°58' | 10°26' | | | | | | | | | |
| S 9 | 1 40 35 | 23°21'53" | 0 ^h 29' | 9°45' | 3° 4' | 0°43' | 19°38' | 14° 8' | 4°10' | 28°19' | 3°31' | 1°49' | 0° 4' | 13° 5' | 10°29' | | | | | | | | | |
| M10 | 1 44 32 | 24°21'50" | 15°39' | 11°22' | 4°19' | 1°18' | 19°48' | 14°14' | 4° 8' | 28°21' | 3°32' | 1°41' | 0° 1' | 13°12' | 10°31' | | | | | | | | | |
| T 11 | 1 48 28 | 25°21'48" | 0 ^h 32' | 13° 0' | 5°34' | 1°54' | 19°59' | 14°20' | 4° 6' | 28°22' | 3°33' | 1°33' | 29 ^h 58' | 13°18' | 10°33' | | | | | | | | | |
| W12 | 1 52 25 | 26°21'49" | 15° 1' | 14°39' | 6°49' | 2°29' | 20° 9' | 14°26' | 4° 4' | 28°23' | 3°34' | 1°25' | 29°55' | 13°25' | 10°36' | | | | | | | | | |
| T 13 | 1 56 21 | 27°21'52" | 28°59' | 16°18' | 8° 4' | 3° 5' | 20°20' | 14°33' | 4° 3' | 28°25' | 3°35' | 1°20' | 29°51' | 13°32' | 10°38' | | | | | | | | | |
| F 14 | 2 0 18 | 28°21'57" | 12 ^h 28' | 17°57' | 9°19' | 3°40' | 20°31' | 14°39' | 4° 1' | 28°26' | 3°36' | 1°16' | 29°48' | 13°38' | 10°41' | | | | | | | | | |
| S 15 | 2 4 14 | 29°22'05" | 25°29' | 19°36' | 10°34' | 4°16' | 20°42' | 14°45' | 3°59' | 28°27' | 3°37' | 1°D15 | 29°45' | 13°45' | 10°44' | | | | | | | | | |
| S 16 | 2 8 11 | 0 ^h 22'14" | 8 ^h 06' | 21°15' | 11°49' | 4°51' | 20°53' | 14°51' | 3°57' | 28°29' | 3°38' | 1°15' | 29°42' | 13°52' | 10°46' | | | | | | | | | |
| M17 | 2 12 7 | 1°22'25" | 20°23' | 22°54' | 13° 4' | 5°26' | 21° 4' | 14°57' | 3°55' | 28°30' | 3°40' | 1°16' | 29°39' | 13°59' | 10°49' | | | | | | | | | |
| T 18 | 2 16 4 | 2°22'39" | 2 ^h 26' | 24°33' | 14°19' | 6° 1' | 21°15' | 15° 3' | 3°53' | 28°31' | 3°41' | 1°R16 | 29°35' | 14° 5' | 10°52' | | | | | | | | | |
| W19 | 2 20 1 | 3°22'55" | 14°20' | 26°11' | 15°34' | 6°36' | 21°27' | 15° 9' | 3°51' | 28°32' | 3°42' | 1°15' | 29°32' | 14°12' | 10°55' | | | | | | | | | |
| T 20 | 2 23 57 | 4°23'12" | 26° 9' | 27°50' | 16°49' | 7°11' | 21°38' | 15°14' | 3°49' | 28°33' | 3°43' | 1°12' | 29°29' | 14°19' | 10°58' | | | | | | | | | |
| F 21 | 2 27 54 | 5°23'32" | 7 ^h 57' | 29°28' | 18° 4' | 7°46' | 21°50' | 15°20' | 3°46' | 28°35' | 3°44' | 1° 6' | 29°26' | 14°25' | 11° 1' | | | | | | | | | |
| S 22 | 2 31 50 | 6°23'53" | 19°46' | 1 ^h 06' | 19°19' | 8°21' | 22° 1' | 15°26' | 3°44' | 28°36' | 3°46' | 0°57' | 29°23' | 14°32' | 11° 4' | | | | | | | | | |
| S 23 | 2 35 47 | 7°24'16" | 1 ^h 40' | 2°43' | 20°34' | 8°56' | 22°13' | 15°31' | 3°42' | 28°37' | 3°47' | 0°46' | 29°20' | 14°39' | 11° 7' | | | | | | | | | |
| M24 | 2 39 43 | 8°24'41" | 13°39' | 4°21' | 21°49' | 9°31' | 22°24' | 15°37' | 3°40' | 28°38' | 3°48' | 0°33' | 29°16' | 14°45' | 11°11' | | | | | | | | | |
| T 25 | 2 43 40 | 9°25'08" | 25°45' | 5°58' | 23° 5' | 10° 6' | 22°36' | 15°42' | 3°38' | 28°39' | 3°50' | 0°20' | 29°13' | 14°52' | 11°14' | | | | | | | | | |
| W26 | 2 47 36 | 10°25'36" | 7 ^h 59' | 7°34' | 24°20' | 10°40' | 22°48' | 15°48' | 3°35' | 28°40' | 3°51' | 0° 7' | 29°10' | 14°59' | 11°17' | | | | | | | | | |
| T 27 | 2 51 33 | 11°26'06" | | | | | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1272

NOVEMBER 1272 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|---------|----------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|-------|-------|-------|---|---|
| T 1 | 3 11 16 | 16♌28'56 | 25♋31 | 17♍ 9 | 1♍52 | 14♎ 6 | 24♌ 1 | 16♎18 | 3°R21 | 28♌45 | 4♃ 0 | 29°R37 | 28♌51 | 15♌39 | 11♃39 | | |
| W 2 | 3 15 12 | 17°29'34 | 9♋30 | 18°43 | 3° 7 | 14°41 | 24°13 | 16°23 | 3♈19 | 28°46 | 4° 1 | 29♌37 | 28°48 | 15°45 | 11°43 | | |
| T 3 | 3 19 9 | 18°30'12 | 23°51 | 20°18 | 4°22 | 15°15 | 24°26 | 16°28 | 3°17 | 28°46 | 4° 3 | 29°35 | 28°45 | 15°52 | 11°47 | | |
| F 4 | 3 23 5 | 19°30'52 | 8♎32 | 21°52 | 5°38 | 15°49 | 24°38 | 16°32 | 3°14 | 28°47 | 4° 4 | 29°31 | 28°41 | 15°59 | 11°50 | | |
| S 5 | 3 27 2 | 20°31'33 | 23°30 | 23°27 | 6°53 | 16°22 | 24°51 | 16°37 | 3°12 | 28°48 | 4° 6 | 29°24 | 28°38 | 16° 6 | 11°54 | | |
| S 6 | 3 30 58 | 21°32'16 | 8♃36 | 25° 1 | 8° 8 | 16°56 | 25° 4 | 16°42 | 3° 9 | 28°48 | 4° 8 | 29°14 | 28°35 | 16°12 | 11°58 | | |
| M 7 | 3 34 55 | 22°32'59 | 23°40 | 26°35 | 9°24 | 17°30 | 25°16 | 16°46 | 3° 7 | 28°49 | 4° 9 | 29° 3 | 28°32 | 16°19 | 12° 2 | | |
| T 8 | 3 38 52 | 23°33'44 | 8♈32 | 28° 9 | 10°39 | 18° 4 | 25°29 | 16°50 | 3° 4 | 28°49 | 4°11 | 28°51 | 28°29 | 16°26 | 12° 6 | | |
| W 9 | 3 42 48 | 24°34'31 | 23° 4 | 29°42 | 11°55 | 18°37 | 25°42 | 16°55 | 3° 2 | 28°50 | 4°13 | 28°40 | 28°26 | 16°32 | 12°11 | | |
| T 10 | 3 46 45 | 25°35'19 | 7♁ 9 | 1♌16 | 13°10 | 19°11 | 25°55 | 16°59 | 2°59 | 28°50 | 4°14 | 28°31 | 28°22 | 16°39 | 12°15 | | |
| F 11 | 3 50 41 | 26°36'08 | 20°44 | 2°49 | 14°25 | 19°44 | 26° 8 | 17° 3 | 2°57 | 28°51 | 4°16 | 28°24 | 28°19 | 16°46 | 12°19 | | |
| S 12 | 3 54 38 | 27°36'59 | 3♌51 | 4°23 | 15°41 | 20°17 | 26°21 | 17° 7 | 2°54 | 28°51 | 4°18 | 28°21 | 28°16 | 16°52 | 12°23 | | |
| S 13 | 3 58 34 | 28°37'51 | 16°32 | 5°56 | 16°56 | 20°51 | 26°34 | 17°11 | 2°52 | 28°52 | 4°20 | 28°19 | 28°13 | 16°59 | 12°28 | | |
| M14 | 4 2 31 | 29°38'45 | 28°52 | 7°30 | 18°12 | 21°24 | 26°47 | 17°15 | 2°49 | 28°52 | 4°21 | 28°19 | 28°10 | 17° 6 | 12°32 | | |
| T 15 | 4 6 28 | 0♌39'40 | 10♎56 | 9° 3 | 19°27 | 21°57 | 27° 0 | 17°19 | 2°46 | 28°52 | 4°23 | 28°19 | 28° 6 | 17°12 | 12°36 | | |
| W16 | 4 10 24 | 1°40'36 | 22°50 | 10°36 | 20°43 | 22°30 | 27°13 | 17°22 | 2°44 | 28°52 | 4°25 | 28°18 | 28° 3 | 17°19 | 12°41 | | |
| T 17 | 4 14 21 | 2°41'34 | 4♌38 | 12° 9 | 21°58 | 23° 3 | 27°26 | 17°26 | 2°41 | 28°53 | 4°27 | 28°14 | 28° 0 | 17°26 | 12°45 | | |
| F 18 | 4 18 17 | 3°42'33 | 16°27 | 13°42 | 23°14 | 23°35 | 27°40 | 17°29 | 2°39 | 28°53 | 4°29 | 28° 8 | 27°57 | 17°33 | 12°50 | | |
| S 19 | 4 22 14 | 4°43'33 | 28°19 | 15°15 | 24°29 | 24° 8 | 27°53 | 17°33 | 2°36 | 28°53 | 4°30 | 27°58 | 27°54 | 17°39 | 12°55 | | |
| S 20 | 4 26 10 | 5°44'34 | 10♍18 | 16°48 | 25°45 | 24°41 | 28° 6 | 17°36 | 2°34 | 28°53 | 4°32 | 27°47 | 27°51 | 17°46 | 12°59 | | |
| M21 | 4 30 7 | 6°45'36 | 22°25 | 18°21 | 27° 0 | 25°13 | 28°20 | 17°39 | 2°31 | 28°53 | 4°34 | 27°33 | 27°47 | 17°53 | 13° 4 | | |
| T 22 | 4 34 3 | 7°46'39 | 4♌43 | 19°54 | 28°16 | 25°45 | 28°33 | 17°42 | 2°29 | 28°53 | 4°36 | 27°18 | 27°44 | 17°59 | 13° 8 | | |
| W23 | 4 38 0 | 8°47'43 | 17°12 | 21°27 | 29°31 | 26°18 | 28°47 | 17°45 | 2°26 | 28°R53 | 4°38 | 27° 4 | 27°41 | 18° 6 | 13°13 | | |
| T 24 | 4 41 57 | 9°48'48 | 29°51 | 22°59 | 0♌47 | 26°50 | 29° 0 | 17°48 | 2°24 | 28°53 | 4°40 | 26°52 | 27°38 | 18°13 | 13°18 | | |
| F 25 | 4 45 53 | 10°49'54 | 12♃41 | 24°31 | 2° 2 | 27°22 | 29°14 | 17°51 | 2°21 | 28°53 | 4°42 | 26°42 | 27°35 | 18°19 | 13°23 | | |
| S 26 | 4 49 50 | 11°51'00 | 25°41 | 26° 3 | 3°18 | 27°54 | 29°27 | 17°54 | 2°19 | 28°53 | 4°44 | 26°36 | 27°32 | 18°26 | 13°28 | | |
| S 27 | 4 53 46 | 12°52'06 | 8♌53 | 27°35 | 4°33 | 28°25 | 29°41 | 17°56 | 2°16 | 28°53 | 4°46 | 26°32 | 27°28 | 18°33 | 13°33 | | |
| M28 | 4 57 43 | 13°53'13 | 22°16 | 29° 6 | 5°49 | 28°57 | 29°55 | 17°59 | 2°14 | 28°53 | 4°48 | 26°D31 | 27°25 | 18°39 | 13°37 | | |
| T 29 | 5 1 39 | 14°54'20 | 5♋53 | 0♃37 | 7° 4 | 29°29 | 0♃ 8 | 18° 1 | 2°11 | 28°53 | 4°50 | 26°31 | 27°22 | 18°46 | 13°42 | | |
| W30 | 5 5 36 | 15°55'28 | 19♋45 | 2♃ 7 | 8♌20 | 0♌ 0 | 0♃22 | 18♎ 3 | 2♈ 9 | 28♌53 | 4♃52 | 26°R31 | 27♌19 | 18♌53 | 13♃47 | | |

Delta T = 08m49s

Julian Calendar 1 Nov. 1272 == Greg. Calendar 8 Nov. 1272

DECEMBER 1272 JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|---------|----------|-------|--------|-------|-------|------|--------|-------|--------|------|--------|-------|-------|-------|---|---|
| T 1 | 5 9 32 | 16♌56'36 | 3♎51 | 3♃36 | 9♌36 | 0♌31 | 0♃36 | 18♎ 6 | 2°R 6 | 28°R52 | 4♃54 | 26°R30 | 27♌16 | 19♌ 0 | 13♃52 | | |
| F 2 | 5 13 29 | 17°57'43 | 18°12 | 5° 4 | 10°51 | 1° 2 | 0°50 | 18° 8 | 2♈ 4 | 28♌52 | 4°56 | 26♌27 | 27°12 | 19° 6 | 13°57 | | |
| S 3 | 5 17 26 | 18°58'52 | 2♃45 | 6°31 | 12° 7 | 1°34 | 1° 3 | 18°10 | 2° 1 | 28°52 | 4°58 | 26°21 | 27° 9 | 19°13 | 14° 2 | | |
| S 4 | 5 21 22 | 20° 0'00 | 17°26 | 7°56 | 13°22 | 2° 4 | 1°17 | 18°11 | 1°59 | 28°51 | 5° 0 | 26°12 | 27° 6 | 19°20 | 14° 7 | | |
| M 5 | 5 25 19 | 21° 1'09 | 2♈ 6 | 9°20 | 14°38 | 2°35 | 1°31 | 18°13 | 1°57 | 28°51 | 5° 2 | 26° 2 | 27° 3 | 19°26 | 14°13 | | |
| T 6 | 5 29 15 | 22° 2'17 | 16°39 | 10°42 | 15°53 | 3° 6 | 1°45 | 18°15 | 1°54 | 28°51 | 5° 4 | 25°51 | 27° 0 | 19°33 | 14°18 | | |
| W 7 | 5 33 12 | 23° 3'27 | 0♃58 | 12° 1 | 17° 9 | 3°36 | 1°59 | 18°16 | 1°52 | 28°50 | 5° 6 | 25°41 | 26°57 | 19°40 | 14°23 | | |
| T 8 | 5 37 8 | 24° 4'36 | 14°56 | 13°17 | 18°24 | 4° 7 | 2°13 | 18°18 | 1°50 | 28°50 | 5° 8 | 25°33 | 26°53 | 19°46 | 14°28 | | |
| F 9 | 5 41 5 | 25° 5'46 | 28°30 | 14°30 | 19°40 | 4°37 | 2°26 | 18°19 | 1°47 | 28°49 | 5°10 | 25°27 | 26°50 | 19°53 | 14°33 | | |
| S 10 | 5 45 1 | 26° 6'56 | 11♌38 | 15°39 | 20°55 | 5° 7 | 2°40 | 18°20 | 1°45 | 28°49 | 5°12 | 25°24 | 26°47 | 20° 0 | 14°38 | | |
| S 11 | 5 48 58 | 27° 8'07 | 24°23 | 16°44 | 22°11 | 5°37 | 2°54 | 18°22 | 1°43 | 28°48 | 5°14 | 25°D23 | 26°44 | 20° 6 | 14°44 | | |
| M12 | 5 52 55 | 28° 9'18 | 6♎47 | 17°43 | 23°26 | 6° 7 | 3° 8 | 18°23 | 1°41 | 28°47 | 5°16 | 25°23 | 26°41 | 20°13 | 14°49 | | |
| T 13 | 5 56 51 | 29°10'29 | 18°54 | 18°36 | 24°42 | 6°36 | 3°22 | 18°24 | 1°38 | 28°47 | 5°18 | 25°24 | 26°38 | 20°20 | 14°54 | | |
| W14 | 6 0 48 | 0♃11'40 | 0♌50 | 19°23 | 25°57 | 7° 6 | 3°36 | 18°24 | 1°36 | 28°46 | 5°20 | 25°R25 | 26°34 | 20°27 | 14°59 | | |
| T 15 | 6 4 44 | 1°12'52 | 12°41 | 20° 1 | 27°13 | 7°35 | 3°50 | 18°25 | 1°34 | 28°45 | 5°22 | 25°24 | 26°31 | 20°33 | 15° 5 | | |
| F 16 | 6 8 41 | 2°14'04 | 24°31 | 20°31 | 28°28 | 8° 4 | 4° 4 | 18°26 | 1°32 | 28°45 | 5°24 | 25°21 | 26°28 | 20°40 | 15°10 | | |
| S 17 | 6 12 37 | 3°15'16 | 6♍25 | 20°51 | 29°44 | 8°33 | 4°18 | 18°26 | 1°30 | 28°44 | 5°26 | 25°16 | 26°25 | 20°47 | 15°15 | | |
| S 18 | 6 16 34 | 4°16'29 | 18°28 | 21°R 1 | 0♃59 | 9° 2 | 4°32 | 18°26 | 1°28 | 28°43 | 5°28 | 25° 8 | 26°22 | 20°53 | 15°21 | | |
| M19 | 6 20 30 | 5°17'41 | 0♌42 | 21° 0 | 2°15 | 9°31 | 4°46 | 18°27 | 1°26 | 28°42 | 5°30 | 25° 0 | 26°18 | 21° 0 | 15°26 | | |
| T 20 | 6 24 27 | 6°18'54 | 13°11 | 20°47 | 3°30 | 9°59 | 5° 0 | 18°27 | 1°24 | 28°41 | 5°32 | 24°50 | 26°15 | 21° 7 | 15°31 | | |
| W21 | 6 28 24 | 7°20'06 | 25°54 | 20°22 | 4°46 | 10°27 | 5°14 | 18°R27 | 1°22 | 28°41 | 5°35 | 24°41 | 26°12 | 21°13 | 15°37 | | |
| T 22 | 6 32 20 | 8°21'18 | 8♃52 | 19°46 | 6° 1 | 10°55 | 5°28 | 18°27 | 1°20 | 28°40 | 5°37 | 24°33 | 26° 9 | 21°20 | 15°42 | | |
| F 23 | 6 36 17 | 9°22'30 | 22° 3 | 18°58 | 7°17 | 11°23 | 5°42 | 18°27 | 1°18 | 28°39 | 5°39 | 24°26 | 26° 6 | 21°27 | 15°47 | | |
| S 24 | 6 40 13 | 10°23'41 | 5♌28 | 18° 1 | 8°32 | 11°51 | 5°56 | 18°26 | 1°16 | 28°38 | 5°41 | 24°22 | 26° 3 | 21°34 | 15°53 | | |
| S 25 | 6 44 10 | 11°24'52 | 19° 2 | 16°54 | 9°48 | 12°18 | 6°10 | 18°26 | 1°15 | 28°37 | 5°43 | 24°D21 | 25°59 | 21°40 | 15°58 | | |
| M26 | 6 48 6 | 12°26'03 | 2♋47 | 15°42 | 11° 3 | 12°45 | 6°24 | 18°25 | 1°13 | 28°36 | 5°45 | 24°21 | 25°56 | 21°47 | 16° 3 | | |
| T 27 | 6 52 3 | 13°27'12 | 16°39 | 14°24 | 12°19 | 13°12 | 6°38 | 18°25 | 1°11 | 28°35 | 5°47 | 24°22 | 25°53 | 21°54 | 16° 9 | | |
| W28 | 6 55 59 | 14°28'21 | 0♎38 | 13° 6 | 13°34 | 13°39 | 6°52 | 18°24 | 1°10 | 28°34 | 5°49 | 24°24 | 25°50 | 22° 0 | 16°14 | | |
| T 29 | 6 59 56 | 15°29'29 | 14°43 | 11°47 | 14°49 | 14° 6 | 7° 6 | 18°23 | 1° 8 | 28°32 | 5°51 | 24°R24 | 25°47 | 22° 7 | 16°20 | | |
| F 30 | 7 3 53 | 16°30'36 | 28°53 | 10°32 | 16° 5 | 14°32 | 7°19 | 18°22 | 1° 6 | 28°31 | 5°53 | 24°24 | 25°44 | 22°14 | 16°25 | | |
| S 31 | 7 7 49 | 17♃31'42 | 13♃ 7 | 9♃22 | 17♃20 | 14♌58 | 7♃33 | 18♎21 | 1♈ 5 | 28♌30 | 5♃55 | 24♌21 | 25♌40 | 22♌20 | 16♃30 | | |

Delta T = 08m49s

Julian Calendar

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