

SWISS EPHEMERIS for the year 1281

JANUARY 1281 JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|---------|----------|---------|--------|--------|--------|--------|-------|-------|--------|-------|--------|-------|-------|-------|
| W 1 | 7 12 1 | 18°36'26 | 11°8'26 | 25°48 | 19°17 | 21°4 | 25°19 | 17°33 | 7°R43 | 16°R19 | 20°3 | 19°R48 | 20°53 | 18°13 | 27°17 |
| T 2 | 7 15 58 | 19°37'31 | 24°58 | 27° 4 | 20°32 | 21°48 | 25°R19 | 17°40 | 7°E40 | 16°18 | 20°11 | 19°R43 | 20°50 | 18°13 | 27°20 |
| F 3 | 7 19 54 | 20°38'34 | 8°II20 | 28°21 | 21°47 | 22°33 | 25°19 | 17°46 | 7°38 | 16°18 | 20°13 | 19°35 | 20°47 | 18°20 | 27°23 |
| S 4 | 7 23 51 | 21°39'37 | 21°31 | 29°39 | 23° 3 | 23°17 | 25°19 | 17°52 | 7°35 | 16°17 | 20°15 | 19°26 | 20°44 | 18°26 | 27°27 |
| S 5 | 7 27 47 | 22°40'38 | 4°E29 | 0°359 | 24°18 | 24° 2 | 25°18 | 17°59 | 7°33 | 16°16 | 20°17 | 19°15 | 20°41 | 18°33 | 27°30 |
| M 6 | 7 31 44 | 23°41'39 | 17°15 | 2°20 | 25°33 | 24°46 | 25°17 | 18° 5 | 7°30 | 16°15 | 20°19 | 19° 5 | 20°38 | 18°40 | 27°34 |
| T 7 | 7 35 40 | 24°42'39 | 29°47 | 3°42 | 26°49 | 25°31 | 25°17 | 18°11 | 7°28 | 16°14 | 20°21 | 18°55 | 20°34 | 18°46 | 27°37 |
| W 8 | 7 39 37 | 25°43'38 | 12°Ω 7 | 5° 5 | 28° 4 | 26°15 | 25°15 | 18°17 | 7°25 | 16°13 | 20°23 | 18°47 | 20°31 | 18°53 | 27°41 |
| T 9 | 7 43 34 | 26°44'36 | 24°14 | 6°29 | 29°19 | 27° 0 | 25°14 | 18°23 | 7°23 | 16°12 | 20°25 | 18°41 | 20°28 | 19° 0 | 27°44 |
| F 10 | 7 47 30 | 27°45'33 | 6°II 2 | 7°54 | 0°355 | 27°44 | 25°13 | 18°29 | 7°21 | 16°11 | 20°26 | 18°38 | 20°25 | 19° 6 | 27°48 |
| S 11 | 7 51 27 | 28°46'29 | 18° 2 | 9°20 | 1°50 | 28°29 | 25°11 | 18°35 | 7°18 | 16°10 | 20°28 | 18°D37 | 20°22 | 19°13 | 27°51 |
| S 12 | 7 55 23 | 29°47'25 | 29°49 | 10°47 | 3° 5 | 29°14 | 25° 9 | 18°41 | 7°16 | 16° 9 | 20°30 | 18°38 | 20°18 | 19°19 | 27°55 |
| M13 | 7 59 20 | 0°48'19 | 11°E37 | 12°15 | 4°21 | 29°58 | 25° 7 | 18°47 | 7°14 | 16° 8 | 20°32 | 18°39 | 20°15 | 19°26 | 27°58 |
| T 14 | 8 3 16 | 1°49'13 | 23°31 | 13°43 | 5°36 | 0°343 | 25° 5 | 18°53 | 7°11 | 16° 7 | 20°34 | 18°40 | 20°12 | 19°33 | 28° 2 |
| W15 | 8 7 13 | 2°50'06 | 5°II36 | 15°12 | 6°51 | 1°28 | 25° 3 | 18°58 | 7° 9 | 16° 6 | 20°36 | 18°R41 | 20° 9 | 19°39 | 28° 6 |
| T 16 | 8 11 9 | 3°50'58 | 17°58 | 16°43 | 8° 7 | 2°13 | 25° 0 | 19° 4 | 7° 7 | 16° 5 | 20°38 | 18°40 | 20° 6 | 19°46 | 28° 9 |
| F 17 | 8 15 6 | 4°51'50 | 0°R41 | 18°14 | 9°22 | 2°58 | 24°57 | 19°10 | 7° 4 | 16° 4 | 20°40 | 18°36 | 20° 3 | 19°53 | 28°13 |
| S 18 | 8 19 3 | 5°52'40 | 13°49 | 19°45 | 10°37 | 3°43 | 24°55 | 19°15 | 7° 2 | 16° 3 | 20°42 | 18°32 | 19°59 | 19°59 | 28°17 |
| S 19 | 8 22 59 | 6°53'29 | 27°24 | 21°18 | 11°52 | 4°28 | 24°51 | 19°21 | 7° 0 | 16° 2 | 20°44 | 18°25 | 19°56 | 20° 6 | 28°21 |
| M20 | 8 26 56 | 7°54'18 | 11°326 | 22°51 | 13° 7 | 5°13 | 24°48 | 19°26 | 6°58 | 16° 1 | 20°46 | 18°18 | 19°53 | 20°13 | 28°24 |
| T 21 | 8 30 52 | 8°55'05 | 25°51 | 24°25 | 14°23 | 5°58 | 24°45 | 19°32 | 6°56 | 15°59 | 20°47 | 18°12 | 19°50 | 20°19 | 28°28 |
| W22 | 8 34 49 | 9°55'51 | 10°355 | 26° 0 | 15°38 | 6°43 | 24°41 | 19°37 | 6°54 | 15°58 | 20°49 | 18° 6 | 19°47 | 20°26 | 28°32 |
| T 23 | 8 38 45 | 10°56'35 | 25°28 | 27°36 | 16°53 | 7°28 | 24°37 | 19°42 | 6°52 | 15°57 | 20°51 | 18° 3 | 19°44 | 20°33 | 28°36 |
| F 24 | 8 42 42 | 11°57'18 | 10°R24 | 29°12 | 18° 8 | 8°13 | 24°33 | 19°48 | 6°50 | 15°55 | 20°53 | 18° 1 | 19°40 | 20°39 | 28°40 |
| S 25 | 8 46 39 | 12°57'59 | 25°13 | 0°449 | 19°23 | 8°58 | 24°29 | 19°53 | 6°48 | 15°54 | 20°55 | 18°D 1 | 19°37 | 20°46 | 28°43 |
| S 26 | 8 50 35 | 13°58'39 | 9°Y50 | 2°27 | 20°39 | 9°43 | 24°25 | 19°58 | 6°46 | 15°53 | 20°57 | 18° 2 | 19°34 | 20°52 | 28°47 |
| M27 | 8 54 32 | 14°59'17 | 24°11 | 4° 6 | 21°54 | 10°28 | 24°20 | 20° 3 | 6°44 | 15°51 | 20°58 | 18° 4 | 19°31 | 20°59 | 28°51 |
| T 28 | 8 58 28 | 15°59'53 | 8°R13 | 5°46 | 23° 9 | 11°14 | 24°15 | 20° 8 | 6°42 | 15°50 | 21° 0 | 18° 5 | 19°28 | 21° 6 | 28°55 |
| W29 | 9 2 25 | 17° 0'27 | 21°55 | 7°27 | 24°24 | 11°59 | 24°11 | 20°13 | 6°40 | 15°49 | 21° 2 | 18°R 5 | 19°24 | 21°12 | 28°59 |
| T 30 | 9 6 21 | 18° 1'00 | 5°II20 | 9° 9 | 25°39 | 12°44 | 24° 6 | 20°17 | 6°38 | 15°47 | 21° 4 | 18° 4 | 19°21 | 21°19 | 29° 3 |
| F 31 | 9 10 18 | 19° 1'30 | 18°II27 | 10°551 | 26°554 | 13°329 | 24°11 | 20°22 | 6°37 | 15°46 | 21°3 | 18°R 1 | 19°18 | 21°26 | 29° 7 |

Delta T = 08m28s Julian Calendar 1 Jan. 1281 == Greg. Calendar 8 Jan. 1281

FEBRUARY 1281 JC

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|------|----------|-----------|---------|-------|-------|--------|--------|--------|-------|--------|--------|--------|--------|-------|-------|
| S 1 | 9 14 14 | 20° 1'59 | 1°E19 | 12°34 | 28° 9 | 14°315 | 23°R55 | 20°27 | 6°R35 | 15°R44 | 21°3 | 17°R57 | 19°R15 | 21°32 | 29°11 |
| S 2 | 9 18 11 | 21° 2'26 | 13°58 | 14°19 | 29°24 | 15° 0 | 23°50 | 20°31 | 6°E33 | 15°43 | 21° 9 | 17°R53 | 19°12 | 21°39 | 29°15 |
| M 3 | 9 22 8 | 22° 2'51 | 26°24 | 16° 4 | 0°R39 | 15°45 | 23°44 | 20°36 | 6°32 | 15°41 | 21°11 | 17°48 | 19° 9 | 21°46 | 29°19 |
| T 4 | 9 26 4 | 23° 3'14 | 8°Ω39 | 17°50 | 1°54 | 16°31 | 23°39 | 20°40 | 6°30 | 15°40 | 21°13 | 17°44 | 19° 5 | 21°52 | 29°22 |
| W 5 | 9 30 1 | 24° 3'36 | 20°45 | 19°38 | 3° 9 | 17°16 | 23°33 | 20°45 | 6°29 | 15°38 | 21°14 | 17°41 | 19° 2 | 21°59 | 29°26 |
| T 6 | 9 33 57 | 25° 3'56 | 2°II44 | 21°26 | 4°24 | 18° 2 | 23°27 | 20°49 | 6°27 | 15°37 | 21°16 | 17°38 | 18°59 | 22° 6 | 29°30 |
| F 7 | 9 37 54 | 26° 4'14 | 14°36 | 23°15 | 5°39 | 18°47 | 23°21 | 20°53 | 6°26 | 15°35 | 21°18 | 17°D38 | 18°56 | 22°12 | 29°34 |
| S 8 | 9 41 50 | 27° 4'30 | 26°24 | 25° 5 | 6°54 | 19°33 | 23°14 | 20°57 | 6°24 | 15°34 | 21°19 | 17°38 | 18°53 | 22°19 | 29°38 |
| S 9 | 9 45 47 | 28° 4'44 | 8°E11 | 26°56 | 8° 8 | 20°18 | 23° 8 | 21° 2 | 6°23 | 15°32 | 21°21 | 17°39 | 18°50 | 22°26 | 29°42 |
| M10 | 9 49 43 | 29° 4'57 | 20° 0 | 28°48 | 9°23 | 21° 4 | 23° 2 | 21° 5 | 6°22 | 15°31 | 21°23 | 17°40 | 18°46 | 22°32 | 29°46 |
| T 11 | 9 53 40 | 0°R5'09 | 11°E55 | 0°R41 | 10°38 | 21°49 | 22°55 | 21° 9 | 6°21 | 15°29 | 21°24 | 17°42 | 18°43 | 22°39 | 29°50 |
| W12 | 9 57 36 | 1° 5'19 | 14° 1 | 2°35 | 11°53 | 22°35 | 22°48 | 21°13 | 6°19 | 15°28 | 21°26 | 17°43 | 18°40 | 22°45 | 29°54 |
| T 13 | 10 1 33 | 2° 5'27 | 26°20 | 4°29 | 13° 8 | 23°21 | 22°42 | 21°17 | 6°18 | 15°26 | 21°27 | 17°44 | 18°37 | 22°52 | 29°58 |
| F 14 | 10 5 30 | 3° 5'34 | 8°R59 | 6°24 | 14°22 | 24° 6 | 22°35 | 21°21 | 6°17 | 15°24 | 21°29 | 17°R44 | 18°34 | 22°59 | 0°R 2 |
| S 15 | 10 9 26 | 4° 5'39 | 22° 1 | 8°20 | 15°37 | 24°52 | 22°28 | 21°24 | 6°16 | 15°23 | 21°30 | 17°43 | 18°30 | 23° 5 | 0° 6 |
| S 16 | 10 13 23 | 5° 5'43 | 5°330 | 10°16 | 16°52 | 25°38 | 22°21 | 21°28 | 6°15 | 15°21 | 21°32 | 17°42 | 18°27 | 23°12 | 0°10 |
| M17 | 10 17 19 | 6° 5'45 | 19°25 | 12°13 | 18° 7 | 26°23 | 22°13 | 21°31 | 6°14 | 15°19 | 21°33 | 17°41 | 18°24 | 23°19 | 0°14 |
| T 18 | 10 21 16 | 7° 5'45 | 3°R48 | 14°10 | 19°21 | 27° 9 | 22° 6 | 21°34 | 6°13 | 15°18 | 21°35 | 17°39 | 18°21 | 23°25 | 0°18 |
| W19 | 10 25 12 | 8° 5'43 | 18°33 | 16° 7 | 20°36 | 27°55 | 21°59 | 21°38 | 6°12 | 15°16 | 21°36 | 17°38 | 18°18 | 23°32 | 0°22 |
| T 20 | 10 29 9 | 9° 5'40 | 3°R35 | 18° 4 | 21°51 | 28°41 | 21°52 | 21°41 | 6°11 | 15°15 | 21°38 | 17°38 | 18°15 | 23°39 | 0°26 |
| F 21 | 10 33 6 | 10° 5'34 | 18°45 | 20° 0 | 23° 5 | 29°27 | 21°44 | 21°44 | 6°11 | 15°13 | 21°39 | 17°D37 | 18°11 | 23°45 | 0°30 |
| S 22 | 10 37 2 | 11° 5'27 | 3°Y54 | 21°55 | 24°20 | 0°R12 | 21°37 | 21°47 | 6°10 | 15°11 | 21°41 | 17°38 | 18° 8 | 23°52 | 0°33 |
| S 23 | 10 40 59 | 12° 5'17 | 18°52 | 23°50 | 25°34 | 0°58 | 21°29 | 21°50 | 6° 9 | 15°10 | 21°42 | 17°38 | 18° 5 | 23°59 | 0°37 |
| M24 | 10 44 55 | 13° 5'05 | 3°R33 | 25°42 | 26°49 | 1°44 | 21°21 | 21°53 | 6° 9 | 15° 8 | 21°43 | 17°38 | 18° 2 | 24° 5 | 0°41 |
| T 25 | 10 48 52 | 14° 4'51 | 17°51 | 27°33 | 28° 3 | 2°30 | 21°14 | 21°55 | 6° 8 | 15° 6 | 21°45 | 17°39 | 17°59 | 24°12 | 0°45 |
| W26 | 10 52 48 | 15° 4'35 | 1°II44 | 29°22 | 29°18 | 3°16 | 21° 6 | 21°58 | 6° 8 | 15° 5 | 21°46 | 17°39 | 17°55 | 24°18 | 0°49 |
| T 27 | 10 56 45 | 16° 4'17 | 15°12 | 1°Y 7 | 0°Y32 | 4° 2 | 20°58 | 22° 0 | 6° 7 | 15° 3 | 21°47 | 17°R39 | 17°52 | 24°25 | 0°53 |
| F 28 | 11 0 41 | 17°R 3'56 | 28°II17 | 2°Y50 | 1°Y47 | 4°R48 | 20°51 | 22°R 3 | 6°E 7 | 15°11 | 21°R49 | 17°R39 | 17°R49 | 24°32 | 0°R57 |

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SWISS EPHEMERIS for the year 1281

MARCH 1281 JC

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| S 1 | 11 4 38 | 18X 3'33 | 11☾ 1 | 4Y28 | 3Y 1 | 5≈34 | 20°R43 | 22A 5 | 6°R 7 | 15°R 0 | 21Z50 | 17X39 | 17X46 | 24M38 | 1X 0 |
| S 2 | 11 8 35 | 19° 3'07 | 23°28 | 6° 3 | 4°15 | 6°19 | 20M35 | 22° 7 | 6☾ 6 | 14M58 | 21°51 | 17°39 | 17°43 | 24°45 | 1° 4 |
| M 3 | 11 12 31 | 20° 2'39 | 5N41 | 7°32 | 5°30 | 7° 5 | 20°27 | 22°10 | 6° 6 | 14°56 | 21°52 | 17°39 | 17°40 | 24°52 | 1° 8 |
| T 4 | 11 16 28 | 21° 2'09 | 17°44 | 8°57 | 6°44 | 7°51 | 20°20 | 22°12 | 6° 6 | 14°55 | 21°53 | 17°40 | 17°36 | 24°58 | 1°12 |
| W 5 | 11 20 24 | 22° 1'37 | 29°40 | 10°16 | 7°58 | 8°37 | 20°12 | 22°14 | 6° 6 | 14°53 | 21°55 | 17°40 | 17°33 | 25° 5 | 1°16 |
| T 6 | 11 24 21 | 23° 1'02 | 11M30 | 11°29 | 9°13 | 9°23 | 20° 4 | 22°15 | 6° 6 | 14°51 | 21°56 | 17°40 | 17°30 | 25°12 | 1°19 |
| F 7 | 11 28 17 | 24° 0'25 | 23°19 | 12°36 | 10°27 | 10° 9 | 19°56 | 22°17 | 6°D 6 | 14°50 | 21°57 | 17°R40 | 17°27 | 25°18 | 1°23 |
| S 8 | 11 32 14 | 24°59'47 | 5A 7 | 13°36 | 11°41 | 10°55 | 19°49 | 22°19 | 6° 6 | 14°48 | 21°58 | 17°40 | 17°24 | 25°25 | 1°27 |
| S 9 | 11 36 10 | 25°59'06 | 16°56 | 14°30 | 12°55 | 11°41 | 19°41 | 22°20 | 6° 6 | 14°46 | 21°59 | 17°39 | 17°21 | 25°32 | 1°30 |
| M10 | 11 40 7 | 26°58'23 | 28°51 | 15°16 | 14° 9 | 12°27 | 19°33 | 22°22 | 6° 6 | 14°45 | 22° 0 | 17°38 | 17°17 | 25°38 | 1°34 |
| T 11 | 11 44 3 | 27°57'38 | 10N51 | 15°56 | 15°23 | 13°13 | 19°26 | 22°23 | 6° 6 | 14°43 | 22° 1 | 17°37 | 17°14 | 25°45 | 1°38 |
| W12 | 11 48 0 | 28°56'52 | 23° 2 | 16°28 | 16°37 | 13°59 | 19°18 | 22°25 | 6° 6 | 14°42 | 22° 2 | 17°35 | 17°11 | 25°52 | 1°41 |
| T 13 | 11 51 57 | 29°56'04 | 5X25 | 16°53 | 17°51 | 14°45 | 19°11 | 22°26 | 6° 7 | 14°40 | 22° 3 | 17°34 | 17° 8 | 25°58 | 1°45 |
| F 14 | 11 55 53 | 0Y55'13 | 18° 4 | 17°10 | 19° 5 | 15°31 | 19° 3 | 22°27 | 6° 7 | 14°38 | 22° 4 | 17°33 | 17° 5 | 26° 5 | 1°49 |
| S 15 | 11 59 50 | 1°54'22 | 1Z 2 | 17°20 | 20°19 | 16°17 | 18°56 | 22°28 | 6° 8 | 14°37 | 22° 5 | 17°D32 | 17° 1 | 26°11 | 1°52 |
| S 16 | 12 3 46 | 2°53'28 | 14°22 | 17°R23 | 21°33 | 17° 3 | 18°48 | 22°29 | 6° 8 | 14°35 | 22° 6 | 17°33 | 16°58 | 26°18 | 1°56 |
| M17 | 12 7 43 | 3°52'32 | 28° 6 | 17°20 | 22°47 | 17°50 | 18°41 | 22°30 | 6° 9 | 14°34 | 22° 6 | 17°33 | 16°55 | 26°25 | 1°59 |
| T 18 | 12 11 39 | 4°51'35 | 12≈16 | 17° 9 | 24° 1 | 18°36 | 18°34 | 22°30 | 6° 9 | 14°32 | 22° 7 | 17°35 | 16°52 | 26°31 | 2° 3 |
| W19 | 12 15 36 | 5°50'36 | 26°49 | 16°52 | 25°15 | 19°22 | 18°26 | 22°31 | 6°10 | 14°31 | 22° 8 | 17°36 | 16°49 | 26°38 | 2° 6 |
| T 20 | 12 19 32 | 6°49'35 | 11X43 | 16°29 | 26°29 | 20° 8 | 18°19 | 22°31 | 6°10 | 14°29 | 22° 9 | 17°R37 | 16°46 | 26°45 | 2° 9 |
| F 21 | 12 23 29 | 7°48'32 | 26°50 | 16° 2 | 27°42 | 20°54 | 18°12 | 22°32 | 6°11 | 14°28 | 22°10 | 17°36 | 16°42 | 26°51 | 2°13 |
| S 22 | 12 27 26 | 8°47'27 | 12Y 2 | 15°29 | 28°56 | 21°40 | 18° 5 | 22°32 | 6°12 | 14°26 | 22°10 | 17°35 | 16°39 | 26°58 | 2°16 |
| S 23 | 12 31 22 | 9°46'20 | 27° 9 | 14°52 | 0B10 | 22°26 | 17°59 | 22°32 | 6°13 | 14°25 | 22°11 | 17°33 | 16°36 | 27° 5 | 2°19 |
| M24 | 12 35 19 | 10°45'11 | 12B 2 | 14°12 | 1°23 | 23°12 | 17°52 | 22°32 | 6°14 | 14°23 | 22°12 | 17°30 | 16°33 | 27°11 | 2°23 |
| T 25 | 12 39 15 | 11°44'00 | 26°33 | 13°30 | 2°37 | 23°58 | 17°45 | 22°R32 | 6°15 | 14°22 | 22°12 | 17°27 | 16°30 | 27°18 | 2°26 |
| W26 | 12 43 12 | 12°42'46 | 10II38 | 12°46 | 3°51 | 24°44 | 17°39 | 22°32 | 6°16 | 14°20 | 22°13 | 17°24 | 16°27 | 27°25 | 2°29 |
| T 27 | 12 47 8 | 13°41'31 | 24°15 | 12° 1 | 5° 4 | 25°30 | 17°32 | 22°32 | 6°17 | 14°19 | 22°13 | 17°21 | 16°23 | 27°31 | 2°32 |
| F 28 | 12 51 5 | 14°40'13 | 7☾25 | 11°17 | 6°18 | 26°16 | 17°26 | 22°32 | 6°18 | 14°18 | 22°14 | 17°20 | 16°20 | 27°38 | 2°36 |
| S 29 | 12 55 1 | 15°38'53 | 20°10 | 10°33 | 7°31 | 27° 2 | 17°20 | 22°31 | 6°19 | 14°16 | 22°15 | 17°D20 | 16°17 | 27°45 | 2°39 |
| S 30 | 12 58 58 | 16°37'30 | 2Ω35 | 9°51 | 8°45 | 27°48 | 17°14 | 22°31 | 6°20 | 14°15 | 22°15 | 17°21 | 16°14 | 27°51 | 2°42 |
| M31 | 13 2 55 | 17Y36'05 | 14Ω43 | 9Y12 | 9B58 | 28≈34 | 17M 8 | 22A30 | 6☾22 | 14M13 | 22Z15 | 17X22 | 16X11 | 27M58 | 2X45 |

Delta T = 08m28s Julian Calendar 1 March 1281 == Greg. Calendar 8 March 1281

APRIL 1281 JC

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| T 1 | 13 6 51 | 18Y34'38 | 26Ω40 | 8°R35 | 11B11 | 29≈20 | 17°R 2 | 22°R30 | 6☾23 | 14°R12 | 22Z16 | 17X24 | 16X 7 | 28M 4 | 2X48 |
| W 2 | 13 10 48 | 19°33'09 | 8M30 | 8Y 2 | 12°25 | 0X 6 | 16M57 | 22A29 | 6°24 | 14M11 | 22°16 | 17°25 | 16° 4 | 28°11 | 2°51 |
| T 3 | 13 14 44 | 20°31'38 | 20°17 | 7°33 | 13°38 | 0°52 | 16°51 | 22°28 | 6°26 | 14°10 | 22°17 | 17°R26 | 16° 1 | 28°18 | 2°54 |
| F 4 | 13 18 41 | 21°30'04 | 2A 4 | 7° 9 | 14°51 | 1°38 | 16°46 | 22°27 | 6°27 | 14° 8 | 22°17 | 17°25 | 15°58 | 28°24 | 2°57 |
| S 5 | 13 22 37 | 22°28'29 | 13°55 | 6°49 | 16° 5 | 2°24 | 16°41 | 22°26 | 6°29 | 14° 7 | 22°17 | 17°22 | 15°55 | 28°31 | 3° 0 |
| S 6 | 13 26 34 | 23°26'52 | 25°51 | 6°33 | 17°18 | 3°10 | 16°36 | 22°25 | 6°30 | 14° 6 | 22°18 | 17°17 | 15°52 | 28°38 | 3° 2 |
| M 7 | 13 30 30 | 24°25'12 | 7M54 | 6°23 | 18°31 | 3°56 | 16°31 | 22°24 | 6°32 | 14° 5 | 22°18 | 17°11 | 15°48 | 28°44 | 3° 5 |
| T 8 | 13 34 27 | 25°23'32 | 20° 6 | 6°17 | 19°44 | 4°42 | 16°26 | 22°22 | 6°33 | 14° 4 | 22°18 | 17° 5 | 15°45 | 28°51 | 3° 8 |
| W 9 | 13 38 24 | 26°21'49 | 2A28 | 6°D17 | 20°57 | 5°28 | 16°21 | 22°21 | 6°35 | 14° 2 | 22°18 | 16°58 | 15°42 | 28°58 | 3°11 |
| T 10 | 13 42 20 | 27°20'05 | 15° 1 | 6°21 | 22°10 | 6°13 | 16°17 | 22°19 | 6°37 | 14° 1 | 22°19 | 16°51 | 15°39 | 29° 4 | 3°13 |
| F 11 | 13 46 17 | 28°18'19 | 27°48 | 6°31 | 23°23 | 6°59 | 16°13 | 22°18 | 6°39 | 14° 0 | 22°19 | 16°46 | 15°36 | 29°11 | 3°16 |
| S 12 | 13 50 13 | 29°16'32 | 10Z50 | 6°45 | 24°36 | 7°45 | 16° 9 | 22°16 | 6°40 | 13°59 | 22°19 | 16°43 | 15°32 | 29°18 | 3°18 |
| S 13 | 13 54 10 | 0B14'43 | 24° 8 | 7° 3 | 25°49 | 8°31 | 16° 5 | 22°14 | 6°42 | 13°58 | 22°19 | 16°41 | 15°29 | 29°24 | 3°21 |
| M14 | 13 58 6 | 1°12'53 | 7≈46 | 7°27 | 27° 2 | 9°17 | 16° 1 | 22°12 | 6°44 | 13°57 | 22°19 | 16°D41 | 15°26 | 29°31 | 3°24 |
| T 15 | 14 2 3 | 2°11'01 | 21°43 | 7°54 | 28°14 | 10° 3 | 15°57 | 22°10 | 6°46 | 13°56 | 22°19 | 16°42 | 15°23 | 29°38 | 3°26 |
| W16 | 14 5 59 | 3° 9'07 | 6X 0 | 8°26 | 29°27 | 10°48 | 15°54 | 22° 8 | 6°48 | 13°55 | 22°R19 | 16°43 | 15°20 | 29°44 | 3°28 |
| T 17 | 14 9 56 | 4° 7'13 | 20°35 | 9° 1 | 0II40 | 11°34 | 15°50 | 22° 6 | 6°50 | 13°54 | 22°19 | 16°R44 | 15°17 | 29°51 | 3°31 |
| F 18 | 14 13 53 | 5° 5'16 | 5Y26 | 9°41 | 1°52 | 12°20 | 15°47 | 22° 4 | 6°52 | 13°53 | 22°19 | 16°42 | 15°13 | 29°57 | 3°33 |
| S 19 | 14 17 49 | 6° 3'19 | 20°24 | 10°24 | 3° 5 | 13° 6 | 15°44 | 22° 2 | 6°54 | 13°52 | 22°19 | 16°39 | 15°10 | 0A 4 | 3°35 |
| S 20 | 14 21 46 | 7° 1'20 | 5B23 | 11°11 | 4°18 | 13°51 | 15°42 | 21°59 | 6°57 | 13°51 | 22°19 | 16°33 | 15° 7 | 0°11 | 3°38 |
| M21 | 14 25 42 | 7°59'19 | 20°13 | 12° 1 | 5°30 | 14°37 | 15°39 | 21°57 | 6°59 | 13°51 | 22°19 | 16°26 | 15° 4 | 0°17 | 3°40 |
| T 22 | 14 29 39 | 8°57'16 | 4II45 | 12°55 | 6°43 | 15°22 | 15°37 | 21°54 | 7° 1 | 13°50 | 22°18 | 16°17 | 15° 1 | 0°24 | 3°42 |
| W23 | 14 33 35 | 9°55'12 | 18°55 | 13°52 | 7°55 | 16° 8 | 15°34 | 21°52 | 7° 3 | 13°49 | 22°18 | 16° 9 | 14°58 | 0°31 | 3°44 |
| T 24 | 14 37 32 | 10°53'07 | 2☾37 | 14°52 | 9° 8 | 16°54 | 15°32 | 21°49 | 7° 6 | 13°48 | 22°18 | 16° 2 | 14°54 | 0°37 | 3°46 |
| F 25 | 14 41 28 | 11°50'59 | 15°52 | 15°55 | 10°20 | 17°39 | 15°30 | 21°46 | 7° 8 | 13°48 | 22°18 | 15°57 | 14°51 | 0°44 | 3°48 |
| S 26 | 14 45 25 | 12°48'50 | 28°40 | 17° 0 | 11°32 | 18°25 | 15°29 | 21°43 | 7°11 | 13°47 | 22°18 | 15°54 | 14°48 | 0°51 | 3°50 |
| S 27 | 14 49 22 | 13°46'39 | 11Ω 7 | 18° 9 | 12°45 | 19°10 | 15°27 | 21°40 | 7°13 | 13°46 | 22°17 | 15°D53 | 14°45 | 0°57 | 3°52 |
| M28 | 14 53 18 | 14°44'26 | 23°15 | 19°20 | 13°57 | 19°55 | 15°26 | 21°37 | 7°16 | 13°46 | 22°17 | 15°53 | 14°42 | 1° 4 | 3°54 |
| T 29 | 14 57 15 | 15°42'11 | 5M12 | 20°34 | 15° 9 | 20°41 | 15°25 | 21°34 | 7°18 | 13°45 | 22°17 | 15°54 | 14°38 | 1°11 | 3°55 |
| W30 | 15 1 11 | 16B39'55 | 17M 1 | 21Y51 | 16II21 | 21X26 | 15M24 | 21A31 | 7☾21 | 13M44 | 22Z16 | 15°R55 | 14X35 | 1A17 | 3X57 |

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SWISS EPHEMERIS for the year 1281

MAY 1281 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|-------|-------|-------|-------|--------|--------|------|--------|--------|--------|-------|------|-------|---|
| T 1 | 15 5 8 | 17♄37'37 | 28♃48 | 23♃10 | 17♂33 | 22♃11 | 15°R23 | 21°R28 | 7♄23 | 13°R44 | 22°R16 | 15°R54 | 14♃32 | 1♄24 | 3♃59 | |
| F 2 | 15 9 4 | 18°35'17 | 10♄37 | 24°31 | 18°45 | 22°57 | 15♂22 | 21♄25 | 7°26 | 13♂43 | 22♄15 | 15♃51 | 14°29 | 1°31 | 4° 0 | |
| S 3 | 15 13 1 | 19°32'56 | 22°32 | 25°55 | 19°57 | 23°42 | 15°22 | 21°21 | 7°29 | 13°43 | 22°15 | 15°45 | 14°26 | 1°37 | 4° 2 | |
| S 4 | 15 16 57 | 20°30'33 | 4♃36 | 27°22 | 21° 9 | 24°27 | 15°22 | 21°18 | 7°31 | 13°42 | 22°14 | 15°37 | 14°23 | 1°44 | 4° 3 | |
| M 5 | 15 20 54 | 21°28'10 | 16°51 | 28°50 | 22°21 | 25°12 | 15°D22 | 21°14 | 7°34 | 13°42 | 22°14 | 15°27 | 14°19 | 1°51 | 4° 5 | |
| T 6 | 15 24 51 | 22°25'45 | 29°17 | 0♄22 | 23°33 | 25°57 | 15°22 | 21°11 | 7°37 | 13°42 | 22°13 | 15°16 | 14°16 | 1°57 | 4° 6 | |
| W 7 | 15 28 47 | 23°23'19 | 11♄56 | 1°55 | 24°45 | 26°43 | 15°22 | 21° 7 | 7°40 | 13°41 | 22°13 | 15° 4 | 14°13 | 2° 4 | 4° 8 | |
| T 8 | 15 32 44 | 24°20'51 | 24°47 | 3°31 | 25°56 | 27°28 | 15°23 | 21° 4 | 7°43 | 13°41 | 22°12 | 14°53 | 14°10 | 2°11 | 4° 9 | |
| F 9 | 15 36 40 | 25°18'23 | 7♄50 | 5°10 | 27° 8 | 28°13 | 15°23 | 21° 0 | 7°45 | 13°41 | 22°12 | 14°44 | 14° 7 | 2°17 | 4°10 | |
| S 10 | 15 40 37 | 26°15'54 | 21° 5 | 6°50 | 28°19 | 28°58 | 15°24 | 20°56 | 7°48 | 13°40 | 22°11 | 14°37 | 14° 4 | 2°24 | 4°11 | |
| S 11 | 15 44 33 | 27°13'24 | 4♄32 | 8°33 | 29°31 | 29°42 | 15°25 | 20°52 | 7°51 | 13°40 | 22°10 | 14°33 | 14° 0 | 2°30 | 4°13 | |
| M12 | 15 48 30 | 28°10'53 | 18°12 | 10°19 | 0♄42 | 0♄27 | 15°26 | 20°48 | 7°54 | 13°40 | 22°10 | 14°31 | 13°57 | 2°37 | 4°14 | |
| T 13 | 15 52 26 | 29° 8'21 | 2♃ 4 | 12° 6 | 1°54 | 1°12 | 15°28 | 20°45 | 7°57 | 13°40 | 22° 9 | 14°D31 | 13°54 | 2°44 | 4°15 | |
| W14 | 15 56 23 | 0♂ 5'48 | 16°10 | 13°56 | 3° 5 | 1°57 | 15°29 | 20°41 | 8° 0 | 13°40 | 22° 8 | 14°R31 | 13°51 | 2°50 | 4°16 | |
| T 15 | 16 0 20 | 1° 3'15 | 0♄29 | 15°49 | 4°17 | 2°42 | 15°31 | 20°37 | 8° 3 | 13°40 | 22° 8 | 14°30 | 13°48 | 2°57 | 4°17 | |
| F 16 | 16 4 16 | 2° 0'41 | 14°58 | 17°43 | 5°28 | 3°26 | 15°33 | 20°33 | 8° 6 | 13°40 | 22° 7 | 14°28 | 13°44 | 3° 4 | 4°18 | |
| S 17 | 16 8 13 | 2°58'06 | 29°34 | 19°40 | 6°39 | 4°11 | 15°35 | 20°28 | 8°10 | 13°39 | 22° 6 | 14°22 | 13°41 | 3°10 | 4°18 | |
| S 18 | 16 12 9 | 3°55'31 | 14♄12 | 21°39 | 7°50 | 4°56 | 15°37 | 20°24 | 8°13 | 13°D39 | 22° 5 | 14°14 | 13°38 | 3°17 | 4°19 | |
| M19 | 16 16 6 | 4°52'55 | 28°44 | 23°40 | 9° 1 | 5°40 | 15°40 | 20°20 | 8°16 | 13°39 | 22° 4 | 14° 4 | 13°35 | 3°24 | 4°20 | |
| T 20 | 16 20 2 | 5°50'18 | 13♂ 4 | 25°42 | 10°12 | 6°24 | 15°42 | 20°16 | 8°19 | 13°40 | 22° 3 | 13°53 | 13°32 | 3°30 | 4°20 | |
| W21 | 16 23 59 | 6°47'40 | 27° 5 | 27°47 | 11°23 | 7° 9 | 15°45 | 20°12 | 8°22 | 13°40 | 22° 3 | 13°41 | 13°29 | 3°37 | 4°21 | |
| T 22 | 16 27 55 | 7°45'02 | 10♄42 | 29°53 | 12°34 | 7°53 | 15°48 | 20° 8 | 8°26 | 13°40 | 22° 2 | 13°31 | 13°25 | 3°44 | 4°22 | |
| F 23 | 16 31 52 | 8°42'22 | 23°56 | 2♂ 1 | 13°45 | 8°38 | 15°51 | 20° 3 | 8°29 | 13°40 | 22° 1 | 13°23 | 13°22 | 3°50 | 4°22 | |
| S 24 | 16 35 49 | 9°39'42 | 6♂45 | 4°10 | 14°56 | 9°22 | 15°55 | 19°59 | 8°32 | 13°40 | 22° 0 | 13°18 | 13°19 | 3°57 | 4°22 | |
| S 25 | 16 39 45 | 10°37'00 | 19°12 | 6°21 | 16° 6 | 10° 6 | 15°58 | 19°55 | 8°35 | 13°40 | 21°59 | 13°14 | 13°16 | 4° 4 | 4°23 | |
| M26 | 16 43 42 | 11°34'18 | 1♂22 | 8°32 | 17°17 | 10°50 | 16° 2 | 19°50 | 8°39 | 13°41 | 21°58 | 13°13 | 13°13 | 4°10 | 4°23 | |
| T 27 | 16 47 38 | 12°31'34 | 13°19 | 10°43 | 18°27 | 11°34 | 16° 5 | 19°46 | 8°42 | 13°41 | 21°57 | 13°13 | 13°10 | 4°17 | 4°23 | |
| W28 | 16 51 35 | 13°28'50 | 25° 9 | 12°55 | 19°38 | 12°18 | 16° 9 | 19°42 | 8°45 | 13°41 | 21°56 | 13°13 | 13° 6 | 4°24 | 4°24 | |
| T 29 | 16 55 31 | 14°26'05 | 6♄58 | 15° 7 | 20°48 | 13° 2 | 16°13 | 19°37 | 8°49 | 13°42 | 21°55 | 13°12 | 13° 3 | 4°30 | 4°24 | |
| F 30 | 16 59 28 | 15°23'19 | 18°50 | 17°18 | 21°58 | 13°46 | 16°18 | 19°33 | 8°52 | 13°42 | 21°54 | 13° 8 | 13° 0 | 4°37 | 4°24 | |
| S 31 | 17 3 24 | 16♂20'32 | 0♃49 | 19♂29 | 23♄ 9 | 14♄29 | 16♂22 | 19♄29 | 8♄56 | 13♂42 | 21♄53 | 13♃ 3 | 12♃57 | 4♄44 | 4°R24 | |

Delta T = 08m27s Julian Calendar 1 May 1281 == Greg. Calendar 8 May 1281

JUNE 1281 JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|-------|------|-------|---|
| S 1 | 17 7 21 | 17♂17'45 | 13♂ 1 | 21♂39 | 24♄19 | 15♄13 | 16♂27 | 19°R24 | 8♄59 | 13♂43 | 21°R51 | 12°R54 | 12♃54 | 4♄50 | 4°R24 | |
| M 2 | 17 11 18 | 18°14'57 | 25°27 | 23°49 | 25°29 | 15°57 | 16°31 | 19♄20 | 9° 3 | 13°43 | 21♄50 | 12♃43 | 12°50 | 4°57 | 4♃24 | |
| T 3 | 17 15 14 | 19°12'08 | 8♄ 8 | 25°57 | 26°39 | 16°40 | 16°36 | 19°15 | 9° 6 | 13°44 | 21°49 | 12°31 | 12°47 | 5° 4 | 4°23 | |
| W 4 | 17 19 11 | 20° 9'20 | 21° 6 | 28° 3 | 27°49 | 17°24 | 16°41 | 19°11 | 9° 9 | 13°44 | 21°48 | 12°19 | 12°44 | 5°10 | 4°23 | |
| T 5 | 17 23 7 | 21° 6'31 | 4♄18 | 0♄ 8 | 28°58 | 18° 7 | 16°47 | 19° 7 | 9°13 | 13°45 | 21°47 | 12° 7 | 12°41 | 5°17 | 4°23 | |
| F 6 | 17 27 4 | 22° 3'41 | 17°43 | 2°12 | 0♂ 8 | 18°51 | 16°52 | 19° 2 | 9°17 | 13°46 | 21°46 | 11°57 | 12°38 | 5°24 | 4°23 | |
| S 7 | 17 31 0 | 23° 0'52 | 1♄19 | 4°13 | 1°18 | 19°34 | 16°57 | 18°58 | 9°20 | 13°46 | 21°45 | 11°49 | 12°35 | 5°30 | 4°22 | |
| S 8 | 17 34 57 | 23°58'02 | 15° 4 | 6°13 | 2°27 | 20°17 | 17° 3 | 18°53 | 9°24 | 13°47 | 21°43 | 11°45 | 12°31 | 5°37 | 4°22 | |
| M 9 | 17 38 54 | 24°55'12 | 28°57 | 8°10 | 3°37 | 21° 0 | 17° 9 | 18°49 | 9°27 | 13°48 | 21°42 | 11°43 | 12°28 | 5°43 | 4°21 | |
| T 10 | 17 42 50 | 25°52'23 | 12♃56 | 10° 6 | 4°46 | 21°43 | 17°15 | 18°45 | 9°31 | 13°48 | 21°41 | 11°D42 | 12°25 | 5°50 | 4°21 | |
| W11 | 17 46 47 | 26°49'33 | 27° 1 | 12° 0 | 5°55 | 22°26 | 17°21 | 18°40 | 9°34 | 13°49 | 21°40 | 11°R42 | 12°22 | 5°57 | 4°20 | |
| T 12 | 17 50 43 | 27°46'44 | 11♄11 | 13°52 | 7° 4 | 23° 9 | 17°27 | 18°36 | 9°38 | 13°50 | 21°38 | 11°42 | 12°19 | 6° 3 | 4°20 | |
| F 13 | 17 54 40 | 28°43'54 | 25°24 | 15°41 | 8°13 | 23°52 | 17°33 | 18°32 | 9°41 | 13°51 | 21°37 | 11°39 | 12°16 | 6°10 | 4°19 | |
| S 14 | 17 58 36 | 29°41'06 | 9♄38 | 17°29 | 9°22 | 24°35 | 17°40 | 18°27 | 9°45 | 13°52 | 21°36 | 11°35 | 12°12 | 6°17 | 4°18 | |
| S 15 | 18 2 33 | 0♄38'17 | 23°51 | 19°14 | 10°31 | 25°17 | 17°46 | 18°23 | 9°49 | 13°52 | 21°35 | 11°27 | 12° 9 | 6°23 | 4°17 | |
| M16 | 18 6 29 | 1°35'29 | 7♂58 | 20°57 | 11°40 | 26° 0 | 17°53 | 18°19 | 9°52 | 13°53 | 21°33 | 11°18 | 12° 6 | 6°30 | 4°16 | |
| T 17 | 18 10 26 | 2°32'40 | 21°54 | 22°39 | 12°49 | 26°42 | 18° 0 | 18°15 | 9°56 | 13°54 | 21°32 | 11° 7 | 12° 3 | 6°37 | 4°15 | |
| W18 | 18 14 23 | 3°29'52 | 5♄35 | 24°18 | 13°57 | 27°25 | 18° 7 | 18°10 | 10° 0 | 13°55 | 21°31 | 10°57 | 12° 0 | 6°43 | 4°14 | |
| T 19 | 18 18 19 | 4°27'04 | 18°58 | 25°55 | 15° 6 | 28° 7 | 18°14 | 18° 6 | 10° 3 | 13°56 | 21°29 | 10°47 | 11°56 | 6°50 | 4°13 | |
| F 20 | 18 22 16 | 5°24'16 | 2♂ 1 | 27°30 | 16°14 | 28°49 | 18°21 | 18° 2 | 10° 7 | 13°57 | 21°28 | 10°39 | 11°53 | 6°57 | 4°12 | |
| S 21 | 18 26 12 | 6°21'29 | 14°44 | 29° 2 | 17°22 | 29°31 | 18°29 | 17°58 | 10°10 | 13°58 | 21°27 | 10°34 | 11°50 | 7° 3 | 4°11 | |
| S 22 | 18 30 9 | 7°18'41 | 27° 8 | 0♂33 | 18°30 | 0♄13 | 18°36 | 17°54 | 10°14 | 13°59 | 21°25 | 10°31 | 11°47 | 7°10 | 4°10 | |
| M23 | 18 34 5 | 8°15'53 | 9♂16 | 2° 1 | 19°38 | 0°55 | 18°44 | 17°50 | 10°18 | 14° 1 | 21°24 | 10°D30 | 11°44 | 7°17 | 4° 9 | |
| T 24 | 18 38 2 | 9°13'05 | 21°14 | 3°28 | 20°46 | 1°37 | 18°52 | 17°46 | 10°21 | 14° 2 | 21°22 | 10°31 | 11°41 | 7°23 | 4° 7 | |
| W25 | 18 41 58 | 10°10'17 | 3♄ 4 | 4°52 | 21°54 | 2°18 | 19° 0 | 17°42 | 10°25 | 14° 3 | 21°21 | 10°31 | 11°37 | 7°30 | 4° 6 | |
| T 26 | 18 45 55 | 11° 7'29 | 14°54 | 6°14 | 23° 1 | 3° 0 | 19° 8 | 17°38 | 10°29 | 14° 4 | 21°20 | 10°R31 | 11°34 | 7°37 | 4° 5 | |
| F 27 | 18 49 52 | 12° 4'41 | 26°47 | 7°33 | 24° 9 | 3°42 | 19°16 | 17°34 | 10°32 | 14° 5 | 21°18 | 10°30 | 11°31 | 7°43 | 4° 3 | |
| S 28 | 18 53 48 | 13° 1'53 | 8♂50 | 8°51 | 25°16 | 4°23 | 19°24 | 17°31 | 10°36 | 14° 7 | 21°17 | 10°27 | 11°28 | 7°50 | 4° 2 | |
| S 29 | 18 57 45 | 13°59'06 | 21° 6 | 10° 6 | 26°23 | 5° 4 | 19°32 | 17°27 | 10°40 | 14° 8 | 21°16 | 10°22 | 11°25 | 7°57 | 4° 0 | |
| M30 | 19 1 41 | 14♄56'19 | 3♄39 | 11♂18 | 27♂30 | 5♄45 | 19♂41 | 17♄23 | 10♄43 | 14♂ 9 | 21♄14 | 10♃14 | 11♃22 | 8♄ 3 | 3♃59 | |

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SWISS EPHEMERIS for the year 1281

JULY 1281 JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|--------|--------|-------|--------|---------|--------|-------|---------|--------|--------|-------|-------|-------|
| T 1 | 19 5 38 | 15°53'32 | 16°31 | 12°28 | 28°37 | 6°26 | 19°49 | 17°R20 | 10°47 | 14°11 | 21°R13 | 10°R 6 | 11°18 | 8°10 | 3°R57 |
| W 2 | 19 9 34 | 16°50'46 | 29°44 | 13°35 | 29°44 | 7° 7 | 19°58 | 17°16 | 10°51 | 14°12 | 21°11 | 9°57 | 11°15 | 8°17 | 3°R55 |
| T 3 | 19 13 31 | 17°48'00 | 13°15 | 14°40 | 0°51 | 7°48 | 20° 7 | 17°13 | 10°54 | 14°13 | 21°10 | 9°48 | 11°12 | 8°23 | 3°54 |
| F 4 | 19 17 27 | 18°45'15 | 27° 3 | 15°42 | 1°57 | 8°29 | 20°16 | 17° 9 | 10°58 | 14°15 | 21° 8 | 9°41 | 11° 9 | 8°30 | 3°52 |
| S 5 | 19 21 24 | 19°42'30 | 11°4 | 16°41 | 3° 3 | 9°10 | 20°25 | 17° 6 | 11° 1 | 14°16 | 21° 7 | 9°36 | 11° 6 | 8°37 | 3°50 |
| S 6 | 19 25 21 | 20°39'46 | 25°14 | 17°37 | 4° 9 | 9°50 | 20°34 | 17° 3 | 11° 5 | 14°18 | 21° 6 | 9°33 | 11° 2 | 8°43 | 3°48 |
| M 7 | 19 29 17 | 21°37'03 | 9°29 | 18°30 | 5°15 | 10°31 | 20°43 | 16°59 | 11° 9 | 14°19 | 21° 4 | 9°D32 | 10°59 | 8°50 | 3°46 |
| T 8 | 19 33 14 | 22°34'21 | 23°45 | 19°20 | 6°21 | 11°11 | 20°52 | 16°56 | 11°12 | 14°21 | 21° 3 | 9°33 | 10°56 | 8°57 | 3°44 |
| W 9 | 19 37 10 | 23°31'39 | 8°Y 0 | 20° 7 | 7°26 | 11°51 | 21° 2 | 16°53 | 11°16 | 14°22 | 21° 1 | 9°34 | 10°53 | 9° 3 | 3°42 |
| T 10 | 19 41 7 | 24°28'59 | 22°12 | 20°50 | 8°32 | 12°31 | 21°11 | 16°50 | 11°19 | 14°24 | 21° 0 | 9°R35 | 10°50 | 9°10 | 3°40 |
| F 11 | 19 45 3 | 25°26'20 | 6°R18 | 21°29 | 9°37 | 13°11 | 21°21 | 16°47 | 11°23 | 14°25 | 20°59 | 9°34 | 10°47 | 9°17 | 3°38 |
| S 12 | 19 49 0 | 26°23'42 | 20°18 | 22° 5 | 10°42 | 13°51 | 21°30 | 16°44 | 11°27 | 14°27 | 20°57 | 9°32 | 10°43 | 9°23 | 3°36 |
| S 13 | 19 52 56 | 27°21'06 | 4°II10 | 22°36 | 11°47 | 14°31 | 21°40 | 16°41 | 11°30 | 14°29 | 20°56 | 9°28 | 10°40 | 9°30 | 3°34 |
| M14 | 19 56 53 | 28°18'30 | 17°52 | 23° 3 | 12°51 | 15°10 | 21°50 | 16°39 | 11°34 | 14°30 | 20°54 | 9°22 | 10°37 | 9°37 | 3°32 |
| T 15 | 20 0 50 | 29°15'56 | 1°22 | 23°26 | 13°56 | 15°50 | 22° 0 | 16°36 | 11°37 | 14°32 | 20°53 | 9°16 | 10°34 | 9°43 | 3°29 |
| W16 | 20 4 46 | 0°13'23 | 14°39 | 23°44 | 15° 0 | 16°29 | 22°10 | 16°33 | 11°41 | 14°34 | 20°52 | 9°10 | 10°31 | 9°50 | 3°27 |
| T 17 | 20 8 43 | 1°10'51 | 27°40 | 23°58 | 16° 4 | 17° 8 | 22°20 | 16°31 | 11°44 | 14°35 | 20°50 | 9° 4 | 10°28 | 9°57 | 3°25 |
| F 18 | 20 12 39 | 2° 8'19 | 10°R26 | 24° 7 | 17° 8 | 17°47 | 22°31 | 16°28 | 11°48 | 14°37 | 20°49 | 8°59 | 10°24 | 10° 3 | 3°22 |
| S 19 | 20 16 36 | 3° 5'49 | 22°57 | 24°R10 | 18°11 | 18°26 | 22°41 | 16°26 | 11°51 | 14°39 | 20°47 | 8°56 | 10°21 | 10°10 | 3°20 |
| S 20 | 20 20 32 | 4° 3'20 | 5°II13 | 24° 8 | 19°14 | 19° 5 | 22°51 | 16°24 | 11°55 | 14°41 | 20°46 | 8°D55 | 10°18 | 10°17 | 3°18 |
| M21 | 20 24 29 | 5° 0'51 | 17°17 | 24° 1 | 20°18 | 19°43 | 23° 2 | 16°22 | 11°58 | 14°42 | 20°45 | 8°55 | 10°15 | 10°23 | 3°15 |
| T 22 | 20 28 26 | 5°58'24 | 29°12 | 23°49 | 21°20 | 20°22 | 23°12 | 16°20 | 12° 1 | 14°44 | 20°43 | 8°57 | 10°12 | 10°30 | 3°13 |
| W23 | 20 32 22 | 6°55'57 | 11°12 | 23°31 | 22°23 | 21° 0 | 23°23 | 16°18 | 12° 5 | 14°46 | 20°42 | 8°58 | 10° 8 | 10°37 | 3°10 |
| T 24 | 20 36 19 | 7°53'32 | 22°51 | 23° 8 | 23°25 | 21°38 | 23°34 | 16°16 | 12° 8 | 14°48 | 20°41 | 9° 0 | 10° 5 | 10°43 | 3° 8 |
| F 25 | 20 40 15 | 8°51'07 | 4°II45 | 22°39 | 24°27 | 22°16 | 23°45 | 16°14 | 12°12 | 14°50 | 20°39 | 9°R 1 | 10° 2 | 10°50 | 3° 5 |
| S 26 | 20 44 12 | 9°48'44 | 16°47 | 22° 6 | 25°29 | 22°54 | 23°55 | 16°12 | 12°15 | 14°52 | 20°38 | 9° 1 | 9°59 | 10°57 | 3° 3 |
| S 27 | 20 48 8 | 10°46'21 | 29° 3 | 21°28 | 26°30 | 23°31 | 24° 6 | 16°10 | 12°18 | 14°53 | 20°37 | 8°59 | 9°56 | 11° 3 | 3° 0 |
| M28 | 20 52 5 | 11°44'00 | 11°38 | 20°46 | 27°31 | 24° 9 | 24°17 | 16° 9 | 12°22 | 14°55 | 20°35 | 8°57 | 9°53 | 11°10 | 2°57 |
| T 29 | 20 56 1 | 12°41'39 | 24°34 | 20° 0 | 28°32 | 24°46 | 24°28 | 16° 7 | 12°25 | 14°57 | 20°34 | 8°53 | 9°49 | 11°17 | 2°55 |
| W30 | 20 59 58 | 13°39'20 | 7°R53 | 19°11 | 29°33 | 25°23 | 24°40 | 16° 6 | 12°28 | 14°59 | 20°33 | 8°50 | 9°46 | 11°23 | 2°52 |
| T 31 | 21 3 55 | 14°37'02 | 21°R36 | 18°R21 | 0°33 | 26°R 0 | 24°II51 | 16°15 | 12°31 | 15°II 1 | 20°R31 | 8°46 | 9°43 | 11°30 | 2°49 |

Delta T = 08m27s Julian Calendar 1 July 1281 == Greg. Calendar 8 July 1281

AUGUST 1281 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|-----------|--------|--------|--------|---------|---------|--------|-------|---------|--------|-------|-------|-------|-------|
| F 1 | 21 7 51 | 15°34'45 | 5°40 | 17°R29 | 1°33 | 26°R37 | 25°II 2 | 16°R 3 | 12°35 | 15°II 3 | 20°R30 | 8°R43 | 9°40 | 11°37 | 2°R47 |
| S 2 | 21 11 48 | 16°32'30 | 20° 2 | 16°R37 | 2°32 | 27°14 | 25°14 | 16°12 | 12°38 | 15° 5 | 20°R29 | 8°R41 | 9°37 | 11°43 | 2°R44 |
| S 3 | 21 15 44 | 17°30'15 | 4°R37 | 15°45 | 3°31 | 27°51 | 25°25 | 16° 1 | 12°41 | 15° 7 | 20°28 | 8°D40 | 9°34 | 11°50 | 2°41 |
| M 4 | 21 19 41 | 18°28'03 | 19°18 | 14°56 | 4°30 | 28°27 | 25°36 | 16° 0 | 12°44 | 15° 9 | 20°26 | 8°40 | 9°30 | 11°57 | 2°38 |
| T 5 | 21 23 37 | 19°25'52 | 3°Y59 | 14°10 | 5°28 | 29° 3 | 25°48 | 16° 0 | 12°47 | 15°11 | 20°25 | 8°41 | 9°27 | 12° 3 | 2°35 |
| W 6 | 21 27 34 | 20°23'43 | 18°33 | 13°27 | 6°26 | 29°39 | 26° 0 | 15°59 | 12°50 | 15°13 | 20°24 | 8°43 | 9°24 | 12°10 | 2°33 |
| T 7 | 21 31 30 | 21°21'35 | 2°R57 | 12°50 | 7°23 | 0°II15 | 26°11 | 15°58 | 12°53 | 15°15 | 20°23 | 8°44 | 9°21 | 12°17 | 2°30 |
| F 8 | 21 35 27 | 22°19'30 | 17° 8 | 12°18 | 8°20 | 0°50 | 26°23 | 15°58 | 12°56 | 15°18 | 20°22 | 8°R44 | 9°18 | 12°23 | 2°27 |
| S 9 | 21 39 24 | 23°17'26 | 1°II 4 | 11°53 | 9°17 | 1°26 | 26°35 | 15°57 | 12°59 | 15°20 | 20°21 | 8°44 | 9°14 | 12°30 | 2°24 |
| S 10 | 21 43 20 | 24°15'25 | 14°44 | 11°34 | 10°13 | 2° 1 | 26°47 | 15°57 | 13° 2 | 15°22 | 20°19 | 8°43 | 9°11 | 12°37 | 2°21 |
| M11 | 21 47 17 | 25°13'25 | 28° 7 | 11°24 | 11° 9 | 2°36 | 26°58 | 15°57 | 13° 5 | 15°24 | 20°18 | 8°42 | 9° 8 | 12°43 | 2°18 |
| T 12 | 21 51 13 | 26°11'27 | 11°R16 | 11°D21 | 12° 4 | 3°11 | 27°10 | 15°56 | 13° 8 | 15°26 | 20°17 | 8°41 | 9° 5 | 12°50 | 2°16 |
| W13 | 21 55 10 | 27° 9'31 | 24°10 | 11°27 | 12°59 | 3°45 | 27°22 | 15°D56 | 13°11 | 15°28 | 20°16 | 8°39 | 9° 2 | 12°57 | 2°13 |
| T 14 | 21 59 6 | 28° 7'37 | 6°R50 | 11°42 | 13°53 | 4°20 | 27°34 | 15°56 | 13°14 | 15°30 | 20°15 | 8°37 | 8°59 | 13° 3 | 2°10 |
| F 15 | 22 3 3 | 29° 5'45 | 19°17 | 12° 4 | 14°47 | 4°54 | 27°47 | 15°57 | 13°17 | 15°32 | 20°14 | 8°36 | 8°55 | 13°10 | 2° 7 |
| S 16 | 22 6 59 | 0°II 3'54 | 1°II33 | 12°35 | 15°40 | 5°28 | 27°59 | 15°57 | 13°19 | 15°35 | 20°13 | 8°36 | 8°52 | 13°17 | 2° 4 |
| S 17 | 22 10 56 | 1° 2'05 | 13°39 | 13°15 | 16°32 | 6° 2 | 28°11 | 15°57 | 13°22 | 15°37 | 20°12 | 8°D36 | 8°49 | 13°23 | 2° 1 |
| M18 | 22 14 53 | 2° 0'18 | 25°36 | 14° 2 | 17°24 | 6°35 | 28°23 | 15°58 | 13°25 | 15°39 | 20°11 | 8°36 | 8°46 | 13°30 | 1°58 |
| T 19 | 22 18 49 | 2°58'32 | 7°R28 | 14°57 | 18°16 | 7° 8 | 28°35 | 15°58 | 13°28 | 15°41 | 20°10 | 8°37 | 8°43 | 13°37 | 1°55 |
| W20 | 22 22 46 | 3°56'48 | 19°17 | 15°59 | 19° 6 | 7°42 | 28°48 | 15°59 | 13°30 | 15°43 | 20° 9 | 8°37 | 8°40 | 13°43 | 1°52 |
| T 21 | 22 26 42 | 4°55'06 | 1°II 6 | 17° 8 | 19°56 | 8°14 | 29° 0 | 15°59 | 13°33 | 15°45 | 20° 8 | 8°38 | 8°36 | 13°50 | 1°50 |
| F 22 | 22 30 39 | 5°53'26 | 12°59 | 18°23 | 20°45 | 8°47 | 29°12 | 16° 0 | 13°35 | 15°48 | 20° 7 | 8°38 | 8°33 | 13°57 | 1°47 |
| S 23 | 22 34 35 | 6°51'47 | 25° 0 | 19°44 | 21°34 | 9°19 | 29°25 | 16° 1 | 13°38 | 15°50 | 20° 6 | 8°38 | 8°30 | 14° 3 | 1°44 |
| S 24 | 22 38 32 | 7°50'09 | 7°R14 | 21°11 | 22°22 | 9°51 | 29°37 | 16° 2 | 13°40 | 15°52 | 20° 6 | 8°R38 | 8°27 | 14°10 | 1°41 |
| M25 | 22 42 28 | 8°48'34 | 19°45 | 22°42 | 23° 9 | 10°23 | 29°50 | 16° 3 | 13°43 | 15°54 | 20° 5 | 8°D38 | 8°24 | 14°17 | 1°38 |
| T 26 | 22 46 25 | 9°46'59 | 2°R37 | 24°17 | 23°55 | 10°55 | 0°II 2 | 16° 4 | 13°45 | 15°57 | 20° 4 | 8°38 | 8°20 | 14°23 | 1°35 |
| W27 | 22 50 22 | 10°45'27 | 15°54 | 25°56 | 24°40 | 11°26 | 0°15 | 16° 6 | 13°48 | 15°59 | 20° 3 | 8°39 | 8°17 | 14°30 | 1°32 |
| T 28 | 22 54 18 | 11°43'56 | 29°36 | 27°38 | 25°24 | 11°57 | 0°28 | 16° 7 | 13°50 | 16° 1 | 20° 2 | 8°39 | 8°14 | 14°37 | 1°29 |
| F 29 | 22 58 15 | 12°42'27 | 13°45 | 29°22 | 26° 8 | 12°28 | 0°40 | 16° 9 | 13°52 | 16° 3 | 20° 2 | 8°39 | 8°11 | 14°43 | 1°27 |
| S 30 | 23 2 11 | 13°41'00 | 28°18 | 1°II 8 | 26°50 | 12°58 | 0°53 | 16°10 | 13°54 | 16° 5 | 20° 1 | 8°39 | 8° 8 | 14°50 | 1°24 |
| S 31 | 23 6 8 | 14°39'34 | 13°R 9 | 2°II56 | 27°R32 | 13°II28 | 1°II 6 | 16°12 | 13°57 | 16°II 8 | 20°R 0 | 8°R39 | 8°R 5 | 14°57 | 1°21 |

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SWISS EPHEMERIS for the year 1281

SEPTEMBER 1281 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|-----|----------|-----------------------|----------------------|--------------------|---------------------|----------------------|-------------------|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|---|---|---|---|---|---|---|---|
| M 1 | 23 10 4 | 15 ^h 38'10 | 28 ^h X11 | 4 ^h 46 | 28 ^h 12 | 13 ^h II58 | 1 ^h 18 | 16 ^h 14 | 13 ^h 59 | 16 ^h 10 | 20 ^h R 0 | 8 ^h R39 | 8 ^h X 1 | 15 ^h 3 | 1 ^h R18 | | | | | | | | |
| T 2 | 23 14 1 | 16 ^h 36'49 | 13 ^h Y15 | 6 ^h 36 | 28 ^h 51 | 14 ^h 28 | 1 ^h 31 | 16 ^h 16 | 14 ^h 1 | 16 ^h 12 | 19 ^h Z59 | 8 ^h X39 | 7 ^h 58 | 15 ^h 10 | 1 ^h X15 | | | | | | | | |
| W 3 | 23 17 57 | 17 ^h 35'29 | 28 ^h 13 | 8 ^h 26 | 29 ^h 30 | 14 ^h 57 | 1 ^h 44 | 16 ^h 17 | 14 ^h 3 | 16 ^h 14 | 19 ^h 58 | 8 ^h 38 | 7 ^h 55 | 15 ^h 17 | 1 ^h 13 | | | | | | | | |
| T 4 | 23 21 54 | 18 ^h 34'12 | 12 ^h Z57 | 10 ^h 17 | 0 ^h II 7 | 15 ^h 26 | 1 ^h 57 | 16 ^h 20 | 14 ^h 5 | 16 ^h 17 | 19 ^h 58 | 8 ^h 37 | 7 ^h 52 | 15 ^h 23 | 1 ^h 10 | | | | | | | | |
| F 5 | 23 25 50 | 19 ^h 32'57 | 27 ^h 21 | 12 ^h 9 | 0 ^h 42 | 15 ^h 55 | 2 ^h 10 | 16 ^h 22 | 14 ^h 7 | 16 ^h 19 | 19 ^h 57 | 8 ^h 36 | 7 ^h 49 | 15 ^h 30 | 1 ^h 7 | | | | | | | | |
| S 6 | 23 29 47 | 20 ^h 31'45 | 11 ^h II23 | 14 ^h 0 | 1 ^h 17 | 16 ^h 23 | 2 ^h 22 | 16 ^h 24 | 14 ^h 9 | 16 ^h 21 | 19 ^h 57 | 8 ^h 35 | 7 ^h 45 | 15 ^h 37 | 1 ^h 5 | | | | | | | | |
| S 7 | 23 33 44 | 21 ^h 30'35 | 25 ^h 1 | 15 ^h 50 | 1 ^h 50 | 16 ^h 51 | 2 ^h 35 | 16 ^h 26 | 14 ^h 11 | 16 ^h 23 | 19 ^h 56 | 8 ^h D35 | 7 ^h 42 | 15 ^h 43 | 1 ^h 2 | | | | | | | | |
| M 8 | 23 37 40 | 22 ^h 29'27 | 8 ^h 17 | 17 ^h 41 | 2 ^h 22 | 17 ^h 19 | 2 ^h 48 | 16 ^h 29 | 14 ^h 13 | 16 ^h 26 | 19 ^h 56 | 8 ^h 35 | 7 ^h 39 | 15 ^h 50 | 0 ^h 59 | | | | | | | | |
| T 9 | 23 41 37 | 23 ^h 28'22 | 21 ^h 12 | 19 ^h 31 | 2 ^h 52 | 17 ^h 46 | 3 ^h 1 | 16 ^h 31 | 14 ^h 15 | 16 ^h 28 | 19 ^h 55 | 8 ^h 36 | 7 ^h 36 | 15 ^h 57 | 0 ^h 57 | | | | | | | | |
| W10 | 23 45 33 | 24 ^h 27'18 | 3 ^h II50 | 21 ^h 20 | 3 ^h 21 | 18 ^h 13 | 3 ^h 14 | 16 ^h 34 | 14 ^h 16 | 16 ^h 30 | 19 ^h 55 | 8 ^h 38 | 7 ^h 33 | 16 ^h 3 | 0 ^h 54 | | | | | | | | |
| T11 | 23 49 30 | 25 ^h 26'17 | 16 ^h 13 | 23 ^h 8 | 3 ^h 49 | 18 ^h 40 | 3 ^h 27 | 16 ^h 36 | 14 ^h 18 | 16 ^h 32 | 19 ^h 54 | 8 ^h 39 | 7 ^h 30 | 16 ^h 10 | 0 ^h 51 | | | | | | | | |
| F12 | 23 53 26 | 26 ^h 25'18 | 28 ^h 25 | 24 ^h 56 | 4 ^h 15 | 19 ^h 6 | 3 ^h 40 | 16 ^h 39 | 14 ^h 20 | 16 ^h 34 | 19 ^h 54 | 8 ^h 40 | 7 ^h 26 | 16 ^h 17 | 0 ^h 49 | | | | | | | | |
| S13 | 23 57 23 | 27 ^h 24'22 | 10 ^h II28 | 26 ^h 43 | 4 ^h 39 | 19 ^h 32 | 3 ^h 53 | 16 ^h 42 | 14 ^h 21 | 16 ^h 37 | 19 ^h 54 | 8 ^h R40 | 7 ^h 23 | 16 ^h 23 | 0 ^h 46 | | | | | | | | |
| S14 | 0 1 19 | 28 ^h 23'27 | 22 ^h 24 | 28 ^h 30 | 5 ^h 1 | 19 ^h 57 | 4 ^h 6 | 16 ^h 45 | 14 ^h 23 | 16 ^h 39 | 19 ^h 53 | 8 ^h 39 | 7 ^h 20 | 16 ^h 30 | 0 ^h 44 | | | | | | | | |
| M15 | 0 5 16 | 29 ^h 22'35 | 4 ^h 16 | 0 ^h 15 | 5 ^h 22 | 20 ^h 22 | 4 ^h 19 | 16 ^h 48 | 14 ^h 24 | 16 ^h 41 | 19 ^h 53 | 8 ^h 38 | 7 ^h 17 | 16 ^h 37 | 0 ^h 42 | | | | | | | | |
| T16 | 0 9 13 | 0 ^h 21'44 | 16 ^h 6 | 2 ^h 0 | 5 ^h 41 | 20 ^h 47 | 4 ^h 32 | 16 ^h 51 | 14 ^h 26 | 16 ^h 43 | 19 ^h 53 | 8 ^h 35 | 7 ^h 14 | 16 ^h 43 | 0 ^h 39 | | | | | | | | |
| W17 | 0 13 9 | 1 ^h 20'56 | 27 ^h 54 | 3 ^h 44 | 5 ^h 58 | 21 ^h 11 | 4 ^h 45 | 16 ^h 55 | 14 ^h 27 | 16 ^h 45 | 19 ^h 52 | 8 ^h 31 | 7 ^h 11 | 16 ^h 50 | 0 ^h 37 | | | | | | | | |
| T18 | 0 17 6 | 2 ^h 20'09 | 9 ^h II45 | 5 ^h 27 | 6 ^h 13 | 21 ^h 35 | 4 ^h 58 | 16 ^h 58 | 14 ^h 29 | 16 ^h 48 | 19 ^h 52 | 8 ^h 27 | 7 ^h 7 | 16 ^h 57 | 0 ^h 34 | | | | | | | | |
| F19 | 0 21 2 | 3 ^h 19'25 | 21 ^h 40 | 7 ^h 9 | 6 ^h 26 | 21 ^h 59 | 5 ^h 11 | 17 ^h 1 | 14 ^h 30 | 16 ^h 50 | 19 ^h 52 | 8 ^h 23 | 7 ^h 4 | 17 ^h 4 | 0 ^h 32 | | | | | | | | |
| S20 | 0 24 59 | 4 ^h 18'42 | 3 ^h 142 | 8 ^h 51 | 6 ^h 37 | 22 ^h 22 | 5 ^h 24 | 17 ^h 5 | 14 ^h 31 | 16 ^h 52 | 19 ^h 52 | 8 ^h 20 | 7 ^h 1 | 17 ^h 10 | 0 ^h 30 | | | | | | | | |
| S21 | 0 28 55 | 5 ^h 18'02 | 15 ^h 55 | 10 ^h 31 | 6 ^h 46 | 22 ^h 44 | 5 ^h 37 | 17 ^h 8 | 14 ^h 33 | 16 ^h 54 | 19 ^h 52 | 8 ^h 17 | 6 ^h 58 | 17 ^h 17 | 0 ^h 28 | | | | | | | | |
| M22 | 0 32 52 | 6 ^h 17'23 | 28 ^h 23 | 12 ^h 11 | 6 ^h 52 | 23 ^h 6 | 5 ^h 50 | 17 ^h 12 | 14 ^h 34 | 16 ^h 56 | 19 ^h 52 | 8 ^h 15 | 6 ^h 55 | 17 ^h 24 | 0 ^h 25 | | | | | | | | |
| T23 | 0 36 48 | 7 ^h 16'46 | 11 ^h Z 9 | 13 ^h 50 | 6 ^h 57 | 23 ^h 28 | 6 ^h 3 | 17 ^h 16 | 14 ^h 35 | 16 ^h 58 | 19 ^h 52 | 8 ^h D15 | 6 ^h 51 | 17 ^h 30 | 0 ^h 23 | | | | | | | | |
| W24 | 0 40 45 | 8 ^h 16'11 | 24 ^h 18 | 15 ^h 29 | 6 ^h R59 | 23 ^h 49 | 6 ^h 16 | 17 ^h 19 | 14 ^h 36 | 17 ^h 0 | 19 ^h 51 | 8 ^h 16 | 6 ^h 48 | 17 ^h 37 | 0 ^h 21 | | | | | | | | |
| T25 | 0 44 42 | 9 ^h 15'37 | 7 ^h 152 | 17 ^h 6 | 6 ^h 58 | 24 ^h 10 | 6 ^h 29 | 17 ^h 23 | 14 ^h 37 | 17 ^h 2 | 19 ^h D51 | 8 ^h 18 | 6 ^h 45 | 17 ^h 44 | 0 ^h 19 | | | | | | | | |
| F26 | 0 48 38 | 10 ^h 15'06 | 21 ^h 53 | 18 ^h 43 | 6 ^h 56 | 24 ^h 30 | 6 ^h 42 | 17 ^h 27 | 14 ^h 38 | 17 ^h 5 | 19 ^h 51 | 8 ^h 19 | 6 ^h 42 | 17 ^h 50 | 0 ^h 17 | | | | | | | | |
| S27 | 0 52 35 | 11 ^h 14'36 | 6 ^h X20 | 20 ^h 20 | 6 ^h 50 | 24 ^h 50 | 6 ^h 55 | 17 ^h 31 | 14 ^h 39 | 17 ^h 7 | 19 ^h 51 | 8 ^h R20 | 6 ^h 39 | 17 ^h 57 | 0 ^h 15 | | | | | | | | |
| S28 | 0 56 31 | 12 ^h 14'07 | 21 ^h 12 | 21 ^h 55 | 6 ^h 43 | 25 ^h 9 | 7 ^h 8 | 17 ^h 35 | 14 ^h 40 | 17 ^h 9 | 19 ^h 52 | 8 ^h 19 | 6 ^h 36 | 18 ^h 4 | 0 ^h 13 | | | | | | | | |
| M29 | 1 0 28 | 13 ^h 13'41 | 6 ^h Y20 | 23 ^h 30 | 6 ^h 33 | 25 ^h 28 | 7 ^h 21 | 17 ^h 40 | 14 ^h 40 | 17 ^h 11 | 19 ^h 52 | 8 ^h 17 | 6 ^h 32 | 18 ^h 10 | 0 ^h 11 | | | | | | | | |
| T30 | 1 4 24 | 14 ^h 13'17 | 21 ^h Y37 | 25 ^h 5 | 6 ^h II20 | 25 ^h II46 | 7 ^h 34 | 17 ^h 44 | 14 ^h 41 | 17 ^h 13 | 19 ^h Z52 | 8 ^h X13 | 6 ^h X29 | 18 ^h 17 | 0 ^h X 9 | | | | | | | | |

Delta T = 08m26s Julian Calendar 1 Sept. 1281 == Greg. Calendar 8 Sept. 1281

OCTOBER 1281 JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|-----|---------|------------------------|---------------------|---------------------|---------------------|----------------------|--------------------|--------------------|---------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|---|---|---|---|---|---|---|---|
| W 1 | 1 8 21 | 15 ^h 12'55 | 6 ^h 52 | 26 ^h 39 | 6 ^h R 6 | 26 ^h II 4 | 7 ^h 47 | 17 ^h 48 | 14 ^h 42 | 17 ^h 15 | 19 ^h Z52 | 8 ^h R 8 | 6 ^h X26 | 18 ^h 24 | 0 ^h R 8 | | | | | | | | |
| T 2 | 1 12 17 | 16 ^h 12'35 | 21 ^h 54 | 28 ^h 12 | 5 ^h II48 | 26 ^h 21 | 8 ^h 0 | 17 ^h 53 | 14 ^h 42 | 17 ^h 17 | 19 ^h 52 | 8 ^h X 2 | 6 ^h 23 | 18 ^h 30 | 0 ^h X 6 | | | | | | | | |
| F 3 | 1 16 14 | 17 ^h 12'18 | 6 ^h II35 | 29 ^h 44 | 5 ^h 29 | 26 ^h 38 | 8 ^h 13 | 17 ^h 57 | 14 ^h 43 | 17 ^h 19 | 19 ^h 52 | 7 ^h 57 | 6 ^h 20 | 18 ^h 37 | 0 ^h 4 | | | | | | | | |
| S 4 | 1 20 11 | 18 ^h 12'02 | 20 ^h 49 | 1 ^h II16 | 5 ^h 7 | 26 ^h 54 | 8 ^h 26 | 18 ^h 2 | 14 ^h 44 | 17 ^h 21 | 19 ^h 53 | 7 ^h 52 | 6 ^h 17 | 18 ^h 44 | 0 ^h 2 | | | | | | | | |
| S 5 | 1 24 7 | 19 ^h 11'49 | 4 ^h 35 | 2 ^h 47 | 4 ^h 43 | 27 ^h 9 | 8 ^h 39 | 18 ^h 6 | 14 ^h 44 | 17 ^h 23 | 19 ^h 53 | 7 ^h 50 | 6 ^h 13 | 18 ^h 50 | 0 ^h 1 | | | | | | | | |
| M 6 | 1 28 4 | 20 ^h 11'39 | 17 ^h 52 | 4 ^h 18 | 4 ^h 17 | 27 ^h 24 | 8 ^h 52 | 18 ^h 11 | 14 ^h 45 | 17 ^h 25 | 19 ^h 53 | 7 ^h D48 | 6 ^h 10 | 18 ^h 57 | 29 ^h 59 | | | | | | | | |
| T 7 | 1 32 0 | 21 ^h 11'30 | 0 ^h II45 | 5 ^h 49 | 3 ^h 50 | 27 ^h 38 | 9 ^h 5 | 18 ^h 16 | 14 ^h 45 | 17 ^h 27 | 19 ^h 53 | 7 ^h 49 | 6 ^h 7 | 19 ^h 4 | 29 ^h 58 | | | | | | | | |
| W 8 | 1 35 57 | 22 ^h 11'24 | 13 ^h 16 | 7 ^h 18 | 3 ^h 20 | 27 ^h 52 | 9 ^h 18 | 18 ^h 21 | 14 ^h 45 | 17 ^h 29 | 19 ^h 54 | 7 ^h 50 | 6 ^h 4 | 19 ^h 10 | 29 ^h 56 | | | | | | | | |
| T 9 | 1 39 53 | 23 ^h 11'20 | 25 ^h 30 | 8 ^h 47 | 2 ^h 49 | 28 ^h 5 | 9 ^h 30 | 18 ^h 26 | 14 ^h 45 | 17 ^h 31 | 19 ^h 54 | 7 ^h 52 | 6 ^h 1 | 19 ^h 17 | 29 ^h 55 | | | | | | | | |
| F10 | 1 43 50 | 24 ^h 11'18 | 7 ^h II33 | 10 ^h 16 | 2 ^h 17 | 28 ^h 17 | 9 ^h 43 | 18 ^h 31 | 14 ^h 46 | 17 ^h 32 | 19 ^h 55 | 7 ^h R52 | 5 ^h 57 | 19 ^h 24 | 29 ^h 53 | | | | | | | | |
| S11 | 1 47 46 | 25 ^h 11'18 | 19 ^h 27 | 11 ^h 44 | 1 ^h 43 | 28 ^h 28 | 9 ^h 56 | 18 ^h 36 | 14 ^h 46 | 17 ^h 34 | 19 ^h 55 | 7 ^h 51 | 5 ^h 54 | 19 ^h 30 | 29 ^h 52 | | | | | | | | |
| S12 | 1 51 43 | 26 ^h 11'20 | 1 ^h 17 | 13 ^h 11 | 1 ^h 8 | 28 ^h 39 | 10 ^h 9 | 18 ^h 41 | 14 ^h 46 | 17 ^h 36 | 19 ^h 56 | 7 ^h 48 | 5 ^h 51 | 19 ^h 37 | 29 ^h 51 | | | | | | | | |
| M13 | 1 55 40 | 27 ^h 11'25 | 13 ^h 6 | 14 ^h 38 | 0 ^h 33 | 28 ^h 50 | 10 ^h 22 | 18 ^h 46 | 14 ^h R46 | 17 ^h 38 | 19 ^h 56 | 7 ^h 43 | 5 ^h 48 | 19 ^h 44 | 29 ^h 50 | | | | | | | | |
| T14 | 1 59 36 | 28 ^h 11'31 | 24 ^h 55 | 16 ^h 4 | 29 ^h 56 | 28 ^h 59 | 10 ^h 34 | 18 ^h 51 | 14 ^h 46 | 17 ^h 40 | 19 ^h 57 | 7 ^h 35 | 5 ^h 45 | 19 ^h 51 | 29 ^h 48 | | | | | | | | |
| W15 | 2 3 33 | 29 ^h 11'39 | 6 ^h II47 | 17 ^h 29 | 29 ^h 20 | 29 ^h 8 | 10 ^h 47 | 18 ^h 57 | 14 ^h 46 | 17 ^h 42 | 19 ^h 57 | 7 ^h 26 | 5 ^h 42 | 19 ^h 57 | 29 ^h 47 | | | | | | | | |
| T16 | 2 7 29 | 0 ^h II11'49 | 18 ^h 43 | 18 ^h 54 | 28 ^h 44 | 29 ^h 16 | 11 ^h 0 | 19 ^h 2 | 14 ^h 46 | 17 ^h 43 | 19 ^h 58 | 7 ^h 15 | 5 ^h 38 | 20 ^h 4 | 29 ^h 46 | | | | | | | | |
| F17 | 2 11 26 | 1 ^h 12'01 | 0 ^h X45 | 20 ^h 18 | 28 ^h 7 | 29 ^h 23 | 11 ^h 13 | 19 ^h 7 | 14 ^h 46 | 17 ^h 45 | 19 ^h 58 | 7 ^h 5 | 5 ^h 35 | 20 ^h 11 | 29 ^h 45 | | | | | | | | |
| S18 | 2 15 22 | 2 | | | | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1281

NOVEMBER 1281 JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|--------|--------|-------|-------|--------|-------|-------|-------|------|-------|--------|
| S 1 | 3 10 34 | 16♌18'03 | 29♐17 | 8♄30 | 21°R46 | 29°R38 | 14♂18 | 20♄35 | 14°R37 | 18♏ 8 | 20♁11 | 5°R44 | 4♃48 | 21♁51 | 29°R37 |
| S 2 | 3 14 31 | 17°18'39 | 13♄12 | 9°22 | 21♁38 | 29♐32 | 14°30 | 20°42 | 14♄36 | 18°10 | 20°12 | 5♃37 | 4°44 | 21°58 | 29°D37 |
| M 3 | 3 18 27 | 18°19'18 | 26°37 | 10°10 | 21°32 | 29°26 | 14°42 | 20°48 | 14°34 | 18°11 | 20°13 | 5°33 | 4°41 | 22° 4 | 29°♁37 |
| T 4 | 3 22 24 | 19°19'58 | 9♏34 | 10°52 | 21°29 | 29°18 | 14°53 | 20°54 | 14°33 | 18°12 | 20°14 | 5°31 | 4°38 | 22°11 | 29°37 |
| W 5 | 3 26 20 | 20°20'39 | 22° 6 | 11°28 | 21°D28 | 29°10 | 15° 5 | 21° 0 | 14°32 | 18°14 | 20°15 | 5°D30 | 4°35 | 22°18 | 29°38 |
| T 6 | 3 30 17 | 21°21'23 | 4♏20 | 11°57 | 21°30 | 29° 1 | 15°17 | 21° 7 | 14°31 | 18°15 | 20°16 | 5°R31 | 4°32 | 22°24 | 29°38 |
| F 7 | 3 34 13 | 22°22'08 | 16°20 | 12°19 | 21°34 | 28°50 | 15°29 | 21°13 | 14°30 | 18°16 | 20°17 | 5°30 | 4°28 | 22°31 | 29°38 |
| S 8 | 3 38 10 | 23°22'54 | 28°11 | 12°32 | 21°41 | 28°39 | 15°40 | 21°20 | 14°28 | 18°17 | 20°19 | 5°28 | 4°25 | 22°38 | 29°38 |
| S 9 | 3 42 7 | 24°23'42 | 9♁59 | 12°R37 | 21°49 | 28°28 | 15°52 | 21°26 | 14°27 | 18°18 | 20°20 | 5°23 | 4°22 | 22°44 | 29°39 |
| M10 | 3 46 3 | 25°24'32 | 21°47 | 12°31 | 22° 0 | 28°15 | 16° 3 | 21°33 | 14°26 | 18°20 | 20°21 | 5°16 | 4°19 | 22°51 | 29°39 |
| T 11 | 3 50 0 | 26°25'23 | 3♏39 | 12°15 | 22°14 | 28° 2 | 16°15 | 21°39 | 14°24 | 18°21 | 20°22 | 5° 5 | 4°16 | 22°58 | 29°40 |
| W12 | 3 53 56 | 27°26'15 | 15°37 | 11°49 | 22°29 | 27°47 | 16°26 | 21°46 | 14°23 | 18°22 | 20°24 | 4°52 | 4°13 | 23° 4 | 29°40 |
| T 13 | 3 57 53 | 28°27'08 | 27°42 | 11°11 | 22°46 | 27°32 | 16°37 | 21°53 | 14°21 | 18°23 | 20°25 | 4°37 | 4° 9 | 23°11 | 29°41 |
| F 14 | 4 1 49 | 29°28'03 | 9♄55 | 10°22 | 23° 6 | 27°16 | 16°48 | 21°59 | 14°20 | 18°24 | 20°26 | 4°22 | 4° 6 | 23°18 | 29°41 |
| S 15 | 4 5 46 | 0♄28'59 | 22°17 | 9°23 | 23°27 | 27° 0 | 17° 0 | 22° 6 | 14°18 | 18°25 | 20°28 | 4° 9 | 4° 3 | 23°25 | 29°42 |
| S 16 | 4 9 42 | 1°29'56 | 4♁49 | 8°15 | 23°50 | 26°43 | 17°11 | 22°13 | 14°16 | 18°26 | 20°29 | 3°57 | 4° 0 | 23°31 | 29°43 |
| M17 | 4 13 39 | 2°30'54 | 17°31 | 7° 0 | 24°15 | 26°25 | 17°22 | 22°20 | 14°15 | 18°27 | 20°30 | 3°48 | 3°57 | 23°38 | 29°44 |
| T 18 | 4 17 36 | 3°31'52 | 0♁24 | 5°39 | 24°42 | 26° 6 | 17°32 | 22°26 | 14°13 | 18°27 | 20°32 | 3°42 | 3°54 | 23°45 | 29°45 |
| W19 | 4 21 32 | 4°32'52 | 13°31 | 4°17 | 25°11 | 25°47 | 17°43 | 22°33 | 14°11 | 18°28 | 20°33 | 3°39 | 3°50 | 23°51 | 29°46 |
| T 20 | 4 25 29 | 5°33'51 | 26°53 | 2°54 | 25°41 | 25°27 | 17°54 | 22°40 | 14° 9 | 18°29 | 20°35 | 3°38 | 3°47 | 23°58 | 29°47 |
| F 21 | 4 29 25 | 6°34'52 | 10♃32 | 1°35 | 26°12 | 25° 6 | 18° 5 | 22°47 | 14° 7 | 18°30 | 20°36 | 3°38 | 3°44 | 24° 5 | 29°48 |
| S 22 | 4 33 22 | 7°35'53 | 24°31 | 0°21 | 26°45 | 24°45 | 18°15 | 22°54 | 14° 5 | 18°31 | 20°38 | 3°38 | 3°41 | 24°11 | 29°49 |
| S 23 | 4 37 18 | 8°36'54 | 8♃49 | 29♌16 | 27°20 | 24°24 | 18°26 | 23° 1 | 14° 3 | 18°31 | 20°39 | 3°35 | 3°38 | 24°18 | 29°50 |
| M24 | 4 41 15 | 9°37'57 | 23°25 | 28°19 | 27°56 | 24° 2 | 18°36 | 23° 8 | 14° 1 | 18°32 | 20°41 | 3°30 | 3°34 | 24°25 | 29°51 |
| T 25 | 4 45 11 | 10°38'59 | 8♃15 | 27°34 | 28°33 | 23°40 | 18°46 | 23°15 | 13°59 | 18°33 | 20°42 | 3°22 | 3°31 | 24°31 | 29°53 |
| W26 | 4 49 8 | 11°40'03 | 23°11 | 26°59 | 29°12 | 23°17 | 18°56 | 23°22 | 13°57 | 18°33 | 20°44 | 3°12 | 3°28 | 24°38 | 29°54 |
| T 27 | 4 53 5 | 12°41'07 | 8♁ 4 | 26°36 | 29°52 | 22°54 | 19° 7 | 23°29 | 13°55 | 18°34 | 20°45 | 3° 0 | 3°25 | 24°45 | 29°55 |
| F 28 | 4 57 1 | 13°42'11 | 22°46 | 26°23 | 0♌33 | 22°31 | 19°17 | 23°35 | 13°53 | 18°34 | 20°47 | 2°48 | 3°22 | 24°52 | 29°57 |
| S 29 | 5 0 58 | 14°43'17 | 7♄ 9 | 26°D21 | 1°15 | 22° 8 | 19°26 | 23°42 | 13°51 | 18°35 | 20°49 | 2°38 | 3°19 | 24°58 | 29°58 |
| S 30 | 5 4 54 | 15°44'23 | 21♄ 6 | 26♌29 | 1♌59 | 21♐44 | 19♁36 | 23♄49 | 13♄49 | 18♏35 | 20♁50 | 2♃29 | 3♃15 | 25♁ 5 | 0♃ 0 |

Delta T = 08m26s Julian Calendar 1 Nov. 1281 == Greg. Calendar 8 Nov. 1281

DECEMBER 1281 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|-------|-------|--------|-------|-------|--------|--------|-------|-------|------|-------|------|
| M 1 | 5 8 51 | 16♄45'29 | 4♏35 | 26♌45 | 2♌43 | 21°R21 | 19♁46 | 23♄57 | 13°R47 | 18♏36 | 20♁52 | 2°R24 | 3♃12 | 25♁12 | 0♃ 2 |
| T 2 | 5 12 47 | 17°46'37 | 17°37 | 27°10 | 3°29 | 20♐57 | 19°56 | 24° 4 | 13♄44 | 18°36 | 20°54 | 2♃21 | 3° 9 | 25°18 | 0° 3 |
| W 3 | 5 16 44 | 18°47'45 | 0♏15 | 27°42 | 4°15 | 20°33 | 20° 5 | 24°11 | 13°42 | 18°37 | 20°55 | 2°D20 | 3° 6 | 25°25 | 0° 5 |
| T 4 | 5 20 41 | 19°48'54 | 12°32 | 28°21 | 5° 3 | 20° 9 | 20°14 | 24°18 | 13°40 | 18°37 | 20°57 | 2°20 | 3° 3 | 25°32 | 0° 7 |
| F 5 | 5 24 37 | 20°50'03 | 20°35 | 29° 5 | 5°51 | 19°46 | 20°24 | 24°25 | 13°37 | 18°37 | 20°59 | 2°R20 | 3° 0 | 25°38 | 0° 9 |
| S 6 | 5 28 34 | 21°51'13 | 6♁27 | 29°55 | 6°40 | 19°22 | 20°33 | 24°32 | 13°35 | 18°37 | 21° 0 | 2°19 | 2°56 | 25°45 | 0°10 |
| S 7 | 5 32 30 | 22°52'24 | 18°16 | 0♄49 | 7°30 | 18°59 | 20°42 | 24°39 | 13°33 | 18°38 | 21° 2 | 2°16 | 2°53 | 25°52 | 0°12 |
| M 8 | 5 36 27 | 23°53'35 | 0♌ 6 | 1°48 | 8°21 | 18°36 | 20°51 | 24°46 | 13°30 | 18°38 | 21° 4 | 2°10 | 2°50 | 25°58 | 0°14 |
| T 9 | 5 40 23 | 24°54'47 | 12° 1 | 2°50 | 9°13 | 18°13 | 21° 0 | 24°53 | 13°28 | 18°38 | 21° 6 | 2° 1 | 2°47 | 26° 5 | 0°16 |
| W10 | 5 44 20 | 25°55'59 | 24° 4 | 3°55 | 10° 5 | 17°50 | 21° 8 | 25° 0 | 13°25 | 18°38 | 21° 7 | 1°50 | 2°44 | 26°12 | 0°19 |
| T 11 | 5 48 16 | 26°57'12 | 6♃18 | 5° 3 | 10°58 | 17°28 | 21°17 | 25° 7 | 13°23 | 18°38 | 21° 9 | 1°38 | 2°40 | 26°19 | 0°21 |
| F 12 | 5 52 13 | 27°58'25 | 18°44 | 6°13 | 11°52 | 17° 6 | 21°25 | 25°14 | 13°21 | 18°38 | 21°11 | 1°26 | 2°37 | 26°25 | 0°23 |
| S 13 | 5 56 10 | 28°59'38 | 1♁23 | 7°26 | 12°46 | 16°45 | 21°34 | 25°21 | 13°18 | 18°R38 | 21°13 | 1°14 | 2°34 | 26°32 | 0°25 |
| S 14 | 6 0 6 | 0♁ 0'51 | 14°13 | 8°41 | 13°41 | 16°24 | 21°42 | 25°28 | 13°16 | 18°38 | 21°15 | 1° 4 | 2°31 | 26°39 | 0°27 |
| M15 | 6 4 3 | 1° 2'04 | 27°16 | 9°57 | 14°37 | 16° 4 | 21°50 | 25°35 | 13°13 | 18°38 | 21°17 | 0°56 | 2°28 | 26°45 | 0°30 |
| T 16 | 6 7 59 | 2° 3'17 | 10♁29 | 11°15 | 15°33 | 15°44 | 21°58 | 25°42 | 13°10 | 18°38 | 21°18 | 0°52 | 2°25 | 26°52 | 0°32 |
| W17 | 6 11 56 | 3° 4'29 | 23°52 | 12°34 | 16°30 | 15°25 | 22° 6 | 25°49 | 13° 8 | 18°38 | 21°20 | 0°50 | 2°21 | 26°59 | 0°35 |
| T 18 | 6 15 52 | 4° 5'41 | 7♃26 | 13°54 | 17°28 | 15° 6 | 22°14 | 25°56 | 13° 5 | 18°38 | 21°22 | 0°D50 | 2°18 | 27° 5 | 0°37 |
| F 19 | 6 19 49 | 5° 6'53 | 21°11 | 15°16 | 18°25 | 14°49 | 22°21 | 26° 3 | 13° 3 | 18°38 | 21°24 | 0°50 | 2°15 | 27°12 | 0°40 |
| S 20 | 6 23 45 | 6° 8'04 | 5♃ 7 | 16°39 | 19°24 | 14°31 | 22°28 | 26°10 | 13° 0 | 18°38 | 21°26 | 0°R51 | 2°12 | 27°19 | 0°42 |
| S 21 | 6 27 42 | 7° 9'15 | 19°14 | 18° 2 | 20°23 | 14°15 | 22°36 | 26°17 | 12°58 | 18°37 | 21°28 | 0°50 | 2° 9 | 27°26 | 0°45 |
| M22 | 6 31 39 | 8°10'25 | 3♁31 | 19°27 | 21°22 | 13°59 | 22°43 | 26°24 | 12°55 | 18°37 | 21°30 | 0°48 | 2° 6 | 27°32 | 0°48 |
| T 23 | 6 35 35 | 9°11'34 | 17°55 | 20°52 | 22°22 | 13°44 | 22°50 | 26°31 | 12°52 | 18°37 | 21°32 | 0°43 | 2° 2 | 27°39 | 0°50 |
| W24 | 6 39 32 | 10°12'44 | 2♐23 | 22°18 | 23°22 | 13°30 | 22°57 | 26°38 | 12°50 | 18°36 | 21°33 | 0°36 | 1°59 | 27°46 | 0°53 |
| T 25 | 6 43 28 | 11°13'52 | 16°49 | 23°45 | 24°23 | 13°16 | 23° 4 | 26°45 | 12°47 | 18°36 | 21°35 | 0°27 | 1°56 | 27°52 | 0°56 |
| F 26 | 6 47 25 | 12°15'00 | 1♄ 7 | 25°12 | 25°24 | 13° 4 | 23°10 | 26°52 | 12°45 | 18°35 | 21°37 | 0°19 | 1°53 | 27°59 | 0°59 |
| S 27 | 6 51 21 | 13°16'08 | 15°10 | 26°40 | 26°25 | 12°52 | 23°17 | 26°59 | 12°42 | 18°35 | 21°39 | 0°12 | 1°50 | 28° 6 | 1° 1 |
| S 28 | 6 55 18 | 14°17'15 | 28°55 | 28° 9 | 27°27 | 12°41 | 23°23 | 27° 6 | 12°39 | 18°35 | 21°41 | 0° 6 | 1°46 | 28°12 | 1° 4 |
| M29 | 6 59 14 | 15°18'22 | 12♏18 | 29°38 | 28°29 | 12°31 | 23°29 | 27°13 | 12°37 | 18°34 | 21°43 | 0° 2 | 1°43 | 28°19 | 1° 7 |
| T 30 | 7 3 11 | 16°19'28 | 25°18 | 1♁ 8 | 29°32 | 12°21 | 23°35 | 27°19 | 12°34 | 18°34 | 21°45 | 0°D 0 | 1°40 | 28°26 | 1°10 |
| W31 | 7 7 8 | 17♁20'33 | 7♏57 | 2♁39 | 0♄35 | 12♐12 | 23♁41 | 27♄26 | 12♄32 | 18♏33 | 21♁47 | 0♃ 1 | 1♃37 | 28♁33 | 1♃13 |

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