

SWISS EPHEMERIS for the year 1464

JANUARY 1464 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|---------|----------|-------|-------|--------|-------|-------|-------|--------|--------|--------|--------|-------|-------|-------|---|---|---|---|---|---|---|---|
| S 1 | 7 14 39 | 19♁10'15 | 2♄ 9 | 3°R 8 | 14°R30 | 7♄55 | 12♁12 | 23♁28 | 22°R41 | 28♄28 | 28°R 9 | 22°R34 | 21♁25 | 24♁31 | 10♁ 0 | | | | | | | | |
| M 2 | 7 18 36 | 20°11'22 | 15°53 | 2♁43 | 14♁21 | 8°41 | 12°26 | 23°34 | 22♁40 | 28°29 | 28♁ 7 | 22°D32 | 21°21 | 24°38 | 10° 6 | | | | | | | | |
| T 3 | 7 22 32 | 21°12'28 | 29°50 | 2°27 | 14° 8 | 9°27 | 12°39 | 23°41 | 22°39 | 28°30 | 28° 6 | 22♁32 | 21°18 | 24°45 | 10°12 | | | | | | | | |
| W 4 | 7 26 29 | 22°13'33 | 13♄59 | 2°D20 | 13°54 | 10°12 | 12°53 | 23°47 | 22°38 | 28°30 | 28° 5 | 22°33 | 21°15 | 24°51 | 10°18 | | | | | | | | |
| T 5 | 7 30 25 | 23°14'39 | 28°21 | 2°22 | 13°36 | 10°58 | 13° 7 | 23°54 | 22°38 | 28°31 | 28° 4 | 22°R33 | 21°12 | 24°58 | 10°24 | | | | | | | | |
| F 6 | 7 34 22 | 24°15'44 | 12♁52 | 2°31 | 13°17 | 11°44 | 13°21 | 24° 1 | 22°37 | 28°31 | 28° 3 | 22°31 | 21° 9 | 25° 5 | 10°30 | | | | | | | | |
| S 7 | 7 38 19 | 25°16'48 | 27°28 | 2°48 | 12°55 | 12°29 | 13°35 | 24° 7 | 22°36 | 28°32 | 28° 2 | 22°27 | 21° 5 | 25°11 | 10°36 | | | | | | | | |
| S 8 | 7 42 15 | 26°17'52 | 12♁ 3 | 3°11 | 12°31 | 13°15 | 13°49 | 24°14 | 22°35 | 28°32 | 28° 0 | 22°20 | 21° 2 | 25°18 | 10°42 | | | | | | | | |
| M 9 | 7 46 12 | 27°18'55 | 26°31 | 3°41 | 12° 5 | 14° 0 | 14° 4 | 24°21 | 22°33 | 28°33 | 27°59 | 22°11 | 20°59 | 25°25 | 10°47 | | | | | | | | |
| T 10 | 7 50 8 | 28°19'57 | 10♁45 | 4°15 | 11°36 | 14°46 | 14°18 | 24°28 | 22°32 | 28°33 | 27°58 | 21°59 | 20°56 | 25°31 | 10°53 | | | | | | | | |
| W 11 | 7 54 5 | 29°20'58 | 24°39 | 4°55 | 11° 6 | 15°32 | 14°32 | 24°34 | 22°31 | 28°33 | 27°56 | 21°48 | 20°53 | 25°38 | 10°59 | | | | | | | | |
| T 12 | 7 58 1 | 0♁21'58 | 8♁ 9 | 5°39 | 10°35 | 16°17 | 14°46 | 24°41 | 22°30 | 28°34 | 27°55 | 21°37 | 20°50 | 25°44 | 11° 4 | | | | | | | | |
| F 13 | 8 1 58 | 1°22'57 | 21°14 | 6°28 | 10° 2 | 17° 2 | 15° 0 | 24°48 | 22°29 | 28°34 | 27°54 | 21°29 | 20°46 | 25°51 | 11°10 | | | | | | | | |
| S 14 | 8 5 54 | 2°23'54 | 3♁55 | 7°20 | 9°27 | 17°48 | 15°14 | 24°55 | 22°27 | 28°34 | 27°52 | 21°23 | 20°43 | 25°58 | 11°15 | | | | | | | | |
| S 15 | 8 9 51 | 3°24'51 | 16°16 | 8°15 | 8°52 | 18°33 | 15°29 | 25° 2 | 22°26 | 28°35 | 27°51 | 21°19 | 20°40 | 26° 4 | 11°20 | | | | | | | | |
| M 16 | 8 13 48 | 4°25'46 | 28°20 | 9°14 | 8°15 | 19°19 | 15°43 | 25° 9 | 22°24 | 28°35 | 27°50 | 21°18 | 20°37 | 26°11 | 11°26 | | | | | | | | |
| T 17 | 8 17 44 | 5°26'39 | 10♁13 | 10°15 | 7°38 | 20° 4 | 15°57 | 25°16 | 22°23 | 28°35 | 27°48 | 21°D17 | 20°34 | 26°18 | 11°31 | | | | | | | | |
| W 18 | 8 21 41 | 6°27'31 | 22° 1 | 11°19 | 7° 1 | 20°49 | 16°12 | 25°23 | 22°22 | 28°35 | 27°47 | 21°R18 | 20°31 | 26°24 | 11°36 | | | | | | | | |
| T 19 | 8 25 37 | 7°28'22 | 3♁49 | 12°26 | 6°24 | 21°35 | 16°26 | 25°30 | 22°20 | 28°35 | 27°46 | 21°17 | 20°27 | 26°31 | 11°41 | | | | | | | | |
| F 20 | 8 29 34 | 8°29'12 | 15°41 | 13°34 | 5°47 | 22°20 | 16°40 | 25°37 | 22°18 | 28°35 | 27°44 | 21°14 | 20°24 | 26°38 | 11°46 | | | | | | | | |
| S 21 | 8 33 30 | 9°30'00 | 27°44 | 14°45 | 5°10 | 23° 5 | 16°55 | 25°44 | 22°17 | 28°R35 | 27°43 | 21° 9 | 20°21 | 26°44 | 11°51 | | | | | | | | |
| S 22 | 8 37 27 | 10°30'46 | 10♁ 0 | 15°57 | 4°34 | 23°50 | 17° 9 | 25°51 | 22°15 | 28°35 | 27°41 | 21° 1 | 20°18 | 26°51 | 11°56 | | | | | | | | |
| M 23 | 8 41 23 | 11°31'31 | 22°21 | 17°11 | 3°59 | 24°35 | 17°23 | 25°58 | 22°13 | 28°35 | 27°40 | 20°51 | 20°15 | 26°58 | 12° 0 | | | | | | | | |
| T 24 | 8 45 20 | 12°32'15 | 5♁20 | 18°27 | 3°26 | 25°21 | 17°38 | 26° 6 | 22°11 | 28°35 | 27°38 | 20°38 | 20°11 | 27° 4 | 12° 5 | | | | | | | | |
| W 25 | 8 49 17 | 13°32'57 | 18°24 | 19°44 | 2°53 | 26° 6 | 17°52 | 26°13 | 22°10 | 28°35 | 27°37 | 20°25 | 20° 8 | 27°11 | 12°10 | | | | | | | | |
| T 26 | 8 53 13 | 14°33'38 | 1♁44 | 21° 2 | 2°23 | 26°51 | 18° 7 | 26°20 | 22° 8 | 28°35 | 27°35 | 20°12 | 20° 5 | 27°18 | 12°14 | | | | | | | | |
| F 27 | 8 57 10 | 15°34'18 | 15°16 | 22°22 | 1°54 | 27°36 | 18°21 | 26°27 | 22° 6 | 28°35 | 27°34 | 20° 0 | 20° 2 | 27°24 | 12°19 | | | | | | | | |
| S 28 | 9 1 6 | 16°34'56 | 28°58 | 23°44 | 1°27 | 28°21 | 18°35 | 26°34 | 22° 4 | 28°34 | 27°32 | 19°51 | 19°59 | 27°31 | 12°23 | | | | | | | | |
| S 29 | 9 5 3 | 17°35'33 | 12♁47 | 25° 6 | 1° 2 | 29° 6 | 18°50 | 26°42 | 22° 2 | 28°34 | 27°31 | 19°45 | 19°56 | 27°37 | 12°27 | | | | | | | | |
| M 30 | 9 8 59 | 18°36'09 | 26°42 | 26°30 | 0°39 | 29°50 | 19° 4 | 26°49 | 22° 0 | 28°34 | 27°29 | 19°42 | 19°52 | 27°44 | 12°32 | | | | | | | | |
| T 31 | 9 12 56 | 19°36'43 | 10♁42 | 27♁55 | 0♁19 | 0♁35 | 19°19 | 26°56 | 21♁58 | 28♁34 | 27♁28 | 19♁41 | 19♁49 | 27♁51 | 12♁36 | | | | | | | | |

Delta T = 233.88 sec. Julian Calendar 1 Jan. 1464 == Greg. Calendar 10 Jan. 1464

FEBRUARY 1464 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|--------|-------|-------|-------|--------|--------|--------|--------|-------|-------|-------|---|---|---|---|---|---|---|---|
| W 1 | 9 16 52 | 20♁37'17 | 24♄45 | 29♁21 | 0°R 1 | 1♁20 | 19°33 | 27°33 | 21°R56 | 28°R33 | 27°R26 | 19°R41 | 19♁46 | 27♁57 | 12♁40 | | | | | | | | |
| T 2 | 9 20 49 | 21°37'49 | 8♁52 | 0♁48 | 29♁45 | 2° 5 | 19°48 | 27°11 | 21♁54 | 28♁33 | 27♁25 | 19♁40 | 19°43 | 28° 4 | 12°44 | | | | | | | | |
| F 3 | 9 24 46 | 22°38'20 | 23° 2 | 2°16 | 29°32 | 2°50 | 20° 2 | 27°18 | 21°52 | 28°32 | 27°23 | 19°38 | 19°40 | 28°11 | 12°48 | | | | | | | | |
| S 4 | 9 28 42 | 23°38'50 | 7♁12 | 3°45 | 29°21 | 3°34 | 20°16 | 27°25 | 21°49 | 28°32 | 27°22 | 19°33 | 19°37 | 28°17 | 12°52 | | | | | | | | |
| S 5 | 9 32 39 | 24°39'18 | 21°20 | 5°15 | 29°13 | 4°19 | 20°31 | 27°32 | 21°47 | 28°32 | 27°20 | 19°25 | 19°33 | 28°24 | 12°55 | | | | | | | | |
| M 6 | 9 36 35 | 25°39'45 | 5♁21 | 6°46 | 29° 8 | 5° 4 | 20°45 | 27°40 | 21°45 | 28°31 | 27°19 | 19°14 | 19°30 | 28°31 | 12°59 | | | | | | | | |
| T 7 | 9 40 32 | 26°40'10 | 19°12 | 8°18 | 29° 4 | 5°48 | 21° 0 | 27°47 | 21°43 | 28°31 | 27°17 | 19° 2 | 19°27 | 28°37 | 13° 3 | | | | | | | | |
| W 8 | 9 44 28 | 27°40'33 | 2♁48 | 9°52 | 29°D 4 | 6°33 | 21°14 | 27°54 | 21°40 | 28°30 | 27°16 | 18°49 | 19°24 | 28°44 | 13° 6 | | | | | | | | |
| T 9 | 9 48 25 | 28°40'55 | 16° 6 | 11°26 | 29° 5 | 7°17 | 21°28 | 28° 2 | 21°38 | 28°29 | 27°14 | 18°36 | 19°21 | 28°51 | 13°10 | | | | | | | | |
| F 10 | 9 52 21 | 29°41'14 | 29° 4 | 13° 1 | 29° 9 | 8° 2 | 21°43 | 28° 9 | 21°36 | 28°29 | 27°13 | 18°26 | 19°17 | 28°57 | 13°13 | | | | | | | | |
| S 11 | 9 56 18 | 0♁41'32 | 11♁41 | 14°37 | 29°16 | 8°46 | 21°57 | 28°16 | 21°33 | 28°28 | 27°11 | 18°18 | 19°14 | 29° 4 | 13°16 | | | | | | | | |
| S 12 | 10 0 15 | 1°41'48 | 24° 1 | 16°14 | 29°24 | 9°31 | 22°11 | 28°24 | 21°31 | 28°27 | 27°10 | 18°13 | 19°11 | 29°11 | 13°19 | | | | | | | | |
| M 13 | 10 4 11 | 2°42'02 | 6♁ 6 | 17°53 | 29°35 | 10°15 | 22°26 | 28°31 | 21°29 | 28°27 | 27° 8 | 18°11 | 19° 8 | 29°17 | 13°22 | | | | | | | | |
| T 14 | 10 8 8 | 3°42'14 | 18° 0 | 19°32 | 29°48 | 10°59 | 22°40 | 28°38 | 21°26 | 28°26 | 27° 6 | 18°D10 | 19° 5 | 29°24 | 13°25 | | | | | | | | |
| W 15 | 10 12 4 | 4°42'23 | 29°48 | 21°12 | 0♁ 3 | 11°44 | 22°54 | 28°45 | 21°24 | 28°25 | 27° 5 | 18°R11 | 19° 2 | 29°30 | 13°28 | | | | | | | | |
| T 16 | 10 16 1 | 5°42'31 | 11♁37 | 22°53 | 0°20 | 12°28 | 23° 9 | 28°53 | 21°21 | 28°24 | 27° 3 | 18°10 | 18°58 | 29°37 | 13°31 | | | | | | | | |
| F 17 | 10 19 57 | 6°42'37 | 23°31 | 24°36 | 0°39 | 13°12 | 23°23 | 29° 0 | 21°19 | 28°23 | 27° 2 | 18° 9 | 18°55 | 29°44 | 13°34 | | | | | | | | |
| S 18 | 10 23 54 | 7°42'40 | 5♁35 | 26°19 | 0°59 | 13°56 | 23°37 | 29° 7 | 21°16 | 28°23 | 27° 0 | 18° 5 | 18°52 | 29°50 | 13°36 | | | | | | | | |
| S 19 | 10 27 50 | 8°42'41 | 17°55 | 28° 4 | 1°22 | 14°40 | 23°51 | 29°14 | 21°14 | 28°22 | 26°59 | 17°59 | 18°49 | 29°57 | 13°39 | | | | | | | | |
| M 20 | 10 31 47 | 9°42'41 | 0♁34 | 29°50 | 1°47 | 15°24 | 24° 5 | 29°22 | 21°11 | 28°21 | 26°57 | 17°51 | 18°46 | 0♁ 4 | 13°41 | | | | | | | | |
| T 21 | 10 35 44 | 10°42'38 | 13°33 | 1♁36 | 2°13 | 16° 8 | 24°20 | 29°29 | 21° 9 | 28°20 | 26°56 | 17°41 | 18°43 | 0°10 | 13°43 | | | | | | | | |
| W 22 | 10 39 40 | 11°42'32 | 26°54 | 3°24 | 2°40 | 16°52 | 24°34 | 29°36 | 21° 6 | 28°19 | 26°54 | 17°29 | 18°39 | 0°17 | 13°46 | | | | | | | | |
| T 23 | 10 43 37 | 12°42'25 | 10♁35 | 5°14 | 3°10 | 17°36 | 24°48 | 29°43 | 21° 4 | 28°18 | 26°53 | 17°18 | 18°36 | 0°24 | 13°48 | | | | | | | | |
| F 24 | 10 47 33 | 13°42'16 | 24°32 | 7° 4 | 3°41 | 18°20 | 25° 2 | 29°50 | 21° 1 | 28°17 | 26°52 | 17° 8 | 18°33 | 0°30 | 13°50 | | | | | | | | |
| S 25 | 10 51 30 | 14°42'05 | 8♁40 | 8°55 | 4°13 | 19° 4 | 25°16 | 29°58 | 20°58 | 28°16 | 26°50 | 17° 1 | 18°30 | 0°37 | 13°52 | | | | | | | | |
| S 26 | 10 55 26 | 15°41'52 | 22°56 | 10°48 | 4°47 | 19°48 | 25°30 | 0♁ 5 | 20°56 | 28°15 | 26°49 | 16°56 | 18°27 | 0°44 | 13°53 | | | | | | | | |
| M 27 | 10 59 23 | 16°41'37 | 7♁14 | 12°41 | 5°22 | 20°31 | 25°44 | 0°12 | 20°53 | 28°14 | 26°47 | 16°54 | 18°23 | 0°50 | 13°55 | | | | | | | | |
| T 28 | 11 3 19 | 17°41'21 | | | | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1464

MARCH 1464 JC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|----------|----------|-----------|----------|----------|---------|----------|----------|----------|----------|----------|---------|----------|
| T 1 | 11 11 13 | 19°40'43 | 19°47'51 | 18°42'29 | 7°48'15 | 22°47'42 | 26°48'26 | 0°43'33 | 20°R45 | 28°R10 | 26°R43 | 16°R54 | 18°B14 | 1°II10 | 14°47'0 |
| F 2 | 11 15 9 | 20°40'21 | 3°35'52 | 20°27'20 | 7°55'36 | 23°26'26 | 26°39'53 | 0°40'47 | 20°43'43 | 28°B9 | 26°B42 | 16°B54 | 18°B11 | 1°17'17 | 14°14'1 |
| S 3 | 11 19 6 | 21°39'58 | 17°45'22 | 22°26'22 | 8°36'24 | 24°9'24 | 26°53'24 | 0°47'20 | 20°40'40 | 28°8'28 | 26°40'40 | 16°51'16 | 18°8'18 | 1°23'12 | 14°21'2 |
| S 4 | 11 23 2 | 22°39'33 | 1°48'30 | 24°26'24 | 9°19'19 | 24°53'27 | 27°7'27 | 0°54'05 | 20°38'28 | 28°6'28 | 26°39'26 | 16°46'16 | 18°4'18 | 1°30'14 | 14°41'4 |
| M 5 | 11 26 59 | 23°39'06 | 15°5'26 | 26°26'10 | 10°2'26 | 25°36'27 | 27°21'21 | 1°1'20 | 20°35'20 | 28°5'28 | 26°38'26 | 16°38'16 | 18°1'18 | 1°37'14 | 14°51'5 |
| T 6 | 11 30 55 | 24°38'37 | 28°30'28 | 28°27'10 | 10°46'26 | 26°20'27 | 27°34'34 | 1°8'27 | 20°32'20 | 28°4'28 | 26°36'26 | 16°29'16 | 17°58'17 | 1°43'14 | 14°61'6 |
| W 7 | 11 34 52 | 25°38'07 | 11°41'41 | 0°47'29 | 11°31'11 | 27°3'27 | 27°48'48 | 1°15'27 | 20°30'20 | 28°3'28 | 26°35'26 | 16°20'16 | 17°55'17 | 1°50'14 | 14°71'7 |
| T 8 | 11 38 48 | 26°37'34 | 24°38'24 | 2°30'12 | 12°17'17 | 27°46'28 | 28°1'28 | 1°22'20 | 20°27'20 | 28°1'28 | 26°34'26 | 16°11'16 | 17°52'17 | 1°57'14 | 14°71'7 |
| F 9 | 11 42 45 | 27°36'59 | 7°47'20 | 4°32'13 | 13°4'43 | 28°29'28 | 28°15'15 | 1°28'20 | 20°25'20 | 28°0'28 | 26°32'26 | 16°4'16 | 17°48'17 | 2°3'14 | 14°81'8 |
| S 10 | 11 46 42 | 28°36'22 | 19°46'19 | 6°33'13 | 13°52'29 | 29°13'28 | 28°28'28 | 1°35'20 | 20°22'20 | 27°59'27 | 26°31'26 | 15°59'15 | 17°45'17 | 2°10'14 | 14°91'9 |
| S 11 | 11 50 38 | 29°35'43 | 1°48'59 | 8°34'14 | 14°40'29 | 29°56'28 | 28°42'42 | 1°42'20 | 20°19'20 | 27°57'27 | 26°30'26 | 15°55'15 | 17°42'17 | 2°17'14 | 14°91'9 |
| M 12 | 11 54 35 | 0°47'35 | 0°1'01 | 10°34'15 | 15°30'08 | 30'39 | 28°55'55 | 1°49'20 | 20°17'20 | 27°56'27 | 26°29'26 | 15°D54 | 17°39'17 | 2°23'14 | 14°91'9 |
| T 13 | 11 58 31 | 1°34'18 | 25°53'25 | 12°33'16 | 16°20'12 | 29°9'29 | 29°9'29 | 1°55'20 | 20°14'20 | 27°54'27 | 26°27'26 | 15°55'15 | 17°36'17 | 2°30'14 | 14°10'10 |
| W 14 | 12 2 28 | 2°33'32 | 7°41'41 | 14°31'17 | 17°10'2'5 | 29°22'29 | 2°5'29 | 2°2'20 | 20°12'20 | 27°53'27 | 26°26'26 | 15°56'15 | 17°33'17 | 2°37'14 | 14°10'10 |
| T 15 | 12 6 24 | 3°32'44 | 19°30'19 | 16°26'18 | 18°2'24 | 2°48'29 | 29°35'35 | 2°9'20 | 20°9'20 | 27°51'27 | 26°25'26 | 15°58'15 | 17°29'17 | 2°43'14 | 14°R10 |
| F 16 | 12 10 21 | 4°31'54 | 1°24'24 | 18°19'18 | 18°54'31 | 29°48'48 | 2°15'15 | 2°7'20 | 20°7'20 | 27°50'27 | 26°24'26 | 15°R58 | 17°26'17 | 2°50'14 | 14°10'10 |
| S 17 | 12 14 17 | 5°31'01 | 13°28'13 | 20°9'19 | 19°47'47 | 4°14'14 | 0°41'41 | 2°22'20 | 20°4'20 | 27°49'27 | 26°23'26 | 15°58'15 | 17°23'17 | 2°57'14 | 14°10'10 |
| S 18 | 12 18 14 | 6°30'06 | 25°47'25 | 21°57'21 | 20°40'20 | 4°57'45 | 0°14'14 | 2°28'20 | 20°2'20 | 27°47'27 | 26°22'26 | 15°56'15 | 17°20'17 | 3°3'14 | 14°10'10 |
| M 19 | 12 22 11 | 7°29'08 | 8°27'27 | 23°40'23 | 21°34'34 | 5°39'39 | 0°27'27 | 2°35'20 | 19°59'59 | 27°46'27 | 26°21'26 | 15°53'15 | 17°17'17 | 3°10'14 | 14°91'9 |
| T 20 | 12 26 7 | 8°28'09 | 21°29'21 | 25°20'25 | 22°28'28 | 6°22'22 | 0°40'40 | 2°41'20 | 19°57'57 | 27°44'27 | 26°19'26 | 15°48'15 | 17°14'17 | 3°16'14 | 14°91'9 |
| W 21 | 12 30 4 | 9°27'07 | 4°47'56 | 26°56'26 | 23°23'23 | 7°5'7 | 0°53'53 | 2°47'20 | 19°54'54 | 27°42'27 | 26°18'26 | 15°42'15 | 17°10'17 | 3°23'14 | 14°81'8 |
| T 22 | 12 34 0 | 10°26'02 | 18°48'18 | 28°27'28 | 24°18'18 | 7°47'47 | 1°6'16 | 2°54'20 | 19°52'52 | 27°41'27 | 26°17'26 | 15°36'15 | 17°7'17 | 3°30'14 | 14°81'8 |
| F 23 | 12 37 57 | 11°24'56 | 3°41'41 | 29°53'29 | 25°14'14 | 8°30'30 | 1°18'18 | 3°0'20 | 19°50'50 | 27°39'27 | 26°16'26 | 15°31'15 | 17°4'17 | 3°36'14 | 14°71'7 |
| S 24 | 12 41 53 | 12°23'47 | 17°32'17 | 1°48'15 | 26°11'26 | 9°13'13 | 1°31'31 | 3°6'20 | 19°47'47 | 27°38'27 | 26°15'26 | 15°27'15 | 17°1'17 | 3°43'14 | 14°61'6 |
| S 25 | 12 45 50 | 13°22'36 | 2°41'41 | 2°31'27 | 27°8'9 | 9°55'55 | 1°43'43 | 3°12'20 | 19°45'45 | 27°36'27 | 26°14'26 | 15°25'15 | 16°58'16 | 3°50'14 | 14°51'5 |
| M 26 | 12 49 46 | 14°21'24 | 16°57'16 | 3°42'28 | 28°5'28 | 10°38'38 | 1°56'56 | 3°19'20 | 19°43'43 | 27°35'27 | 26°14'26 | 15°D25 | 16°54'16 | 3°56'14 | 14°41'4 |
| T 27 | 12 53 43 | 15°20'10 | 1°47'38 | 4°47'29 | 29°3'29 | 11°20'20 | 2°8'28 | 3°25'20 | 19°40'40 | 27°33'27 | 26°13'26 | 15°25'15 | 16°51'16 | 4°3'14 | 14°31'3 |
| W 28 | 12 57 39 | 16°18'54 | 16°11'16 | 5°47'24 | 0°41'41 | 12°2'22 | 2°21'21 | 3°31'20 | 19°38'38 | 27°32'27 | 26°12'26 | 15°27'15 | 16°48'16 | 4°10'14 | 14°21'2 |
| T 29 | 13 1 36 | 17°17'36 | 0°31'31 | 6°41'1'0 | 12°45'45 | 2°33'33 | 3°37'37 | 3°37'20 | 19°36'36 | 27°30'27 | 26°11'26 | 15°28'15 | 16°45'16 | 4°16'14 | 14°11'1 |
| F 30 | 13 5 33 | 18°16'17 | 14°37'14 | 7°29'29 | 1°59'59 | 13°27'27 | 2°45'45 | 3°43'20 | 19°34'34 | 27°28'27 | 26°10'26 | 15°R29 | 16°42'16 | 4°23'14 | 14°01'0 |
| S 31 | 13 9 29 | 19°14'56 | 28°32'28 | 8°11'11 | 2°48'48 | 14°8'14 | 2°48'48 | 3°48'20 | 19°32'32 | 27°27'27 | 26°9'26 | 15°B29 | 16°39'16 | 4°30'14 | 13°48'8 |

Delta T = 233.69 sec. Julian Calendar 1 March 1464 == Greg. Calendar 10 March 1464

APRIL 1464 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|----------|----------|----------|----------|---------|---------|----------|----------|----------|----------|----------|---------|----------|
| S 1 | 13 13 26 | 20°47'13 | 12°48'0 | 8°47'8 | 3°48'58 | 14°51'14 | 3°48'9 | 3°48'54 | 19°R29 | 27°R25 | 26°R8 | 15°R27 | 16°B35 | 4°II36 | 13°R57 |
| M 2 | 13 17 22 | 21°12'09 | 25°17'25 | 9°17'17 | 4°59'45 | 15°33'33 | 3°21'21 | 4°0'19 | 19°47'27 | 27°B23 | 26°B8 | 15°B25 | 16°32'16 | 4°43'13 | 13°48'55 |
| T 3 | 13 21 19 | 22°10'43 | 8°42'20 | 9°40'9 | 5°59'59 | 16°16'16 | 3°33'33 | 4°6'19 | 19°25'25 | 27°22'27 | 26°7'26 | 15°21'15 | 16°29'16 | 4°50'13 | 13°53'53 |
| W 4 | 13 25 15 | 23°9'15 | 21°9'21 | 9°58'9 | 7°0'0 | 16°58'58 | 3°45'45 | 4°11'19 | 19°23'23 | 27°20'27 | 26°6'26 | 15°18'15 | 16°26'16 | 4°56'13 | 13°52'52 |
| T 5 | 13 29 12 | 24°7'45 | 3°45'45 | 10°10'10 | 8°1'17 | 17°40'40 | 3°57'57 | 4°17'19 | 19°21'21 | 27°19'27 | 26°5'26 | 15°15'15 | 16°23'16 | 5°3'13 | 13°50'50 |
| F 6 | 13 33 8 | 25°6'13 | 16°8'16 | 10°15'15 | 9°2'18 | 18°22'22 | 4°8'48 | 4°22'19 | 19°19'19 | 27°17'27 | 26°5'26 | 15°12'15 | 16°20'16 | 5°10'13 | 13°48'48 |
| S 7 | 13 37 5 | 26°4'40 | 28°21'28 | 10°R15 | 10°4'19 | 19°4'19 | 4°20'40 | 4°28'19 | 19°17'17 | 27°15'27 | 26°4'26 | 15°10'15 | 16°16'16 | 5°16'13 | 13°46'46 |
| S 8 | 13 41 2 | 27°3'04 | 10°B23 | 10°10'10 | 11°6'19 | 19°45'45 | 4°31'43 | 4°33'19 | 19°15'15 | 27°14'27 | 26°4'26 | 15°D9 | 16°13'16 | 5°23'13 | 13°44'44 |
| M 9 | 13 44 58 | 28°1'27 | 22°19'22 | 9°59'59 | 12°8'20 | 20°27'27 | 4°43'43 | 4°39'19 | 19°14'14 | 27°12'27 | 26°3'26 | 15°9'15 | 16°10'16 | 5°30'13 | 13°41'41 |
| T 10 | 13 48 55 | 28°59'48 | 4°II9 | 9°43'9 | 13°11'21 | 21°9'21 | 4°54'54 | 4°44'19 | 19°12'12 | 27°10'27 | 26°3'26 | 15°10'15 | 16°7'16 | 5°36'13 | 13°39'39 |
| W 11 | 13 52 51 | 29°58'07 | 15°56'15 | 9°23'9 | 14°14'21 | 21°51'51 | 5°5'54 | 4°49'19 | 19°10'10 | 27°9'27 | 26°2'26 | 15°11'15 | 16°4'16 | 5°43'13 | 13°37'37 |
| T 12 | 13 56 48 | 0°48'56 | 27°45'27 | 8°58'58 | 15°17'22 | 22°33'33 | 5°16'16 | 4°54'19 | 19°8'8 | 27°7'27 | 26°2'26 | 15°13'15 | 16°0'16 | 5°49'13 | 13°34'34 |
| F 13 | 14 0 44 | 1°54'39 | 9°39'9 | 8°30'30 | 16°20'23 | 23°14'14 | 5°27'27 | 4°59'19 | 19°6'6 | 27°5'27 | 26°1'26 | 15°14'15 | 15°57'15 | 5°56'13 | 13°32'32 |
| S 14 | 14 4 41 | 2°52'52 | 21°43'21 | 7°58'7 | 17°24'24 | 23°56'56 | 5°38'38 | 5°4'19 | 19°5'5 | 27°4'27 | 26°1'26 | 15°15'15 | 15°54'15 | 6°3'13 | 13°29'29 |
| S 15 | 14 8 37 | 3°51'03 | 4°B0 | 7°24'7 | 18°27'28 | 24°37'37 | 5°49'49 | 5°9'19 | 19°3'3 | 27°2'27 | 26°0'26 | 15°R15 | 15°51'15 | 6°9'13 | 13°27'27 |
| M 16 | 14 12 34 | 4°49'12 | 16°37'16 | 6°48'6 | 19°31'31 | 25°19'19 | 5°59'59 | 5°14'19 | 19°2'2 | 27°1'27 | 26°0'26 | 15°15'15 | 15°48'15 | 6°16'13 | 13°24'24 |
| T 17 | 14 16 31 | 5°47'19 | 29°36'29 | 6°11'11 | 20°35'35 | 26°0'0 | 6°10'10 | 5°19'19 | 19°0'0 | 26°59'59 | 26°0'26 | 15°14'15 | 15°45'15 | 6°23'13 | 13°21'21 |
| W 18 | 14 20 27 | 6°45'23 | 13°47'13 | 5°33'5 | 21°40'40 | 26°42'42 | 6°20'20 | 5°24'18 | 18°59'59 | 26°57'57 | 25°59'59 | 15°13'15 | 15°41'15 | 6°29'13 | 13°18'18 |
| T 19 | 14 24 24 | 7°43'26 | 26°51'26 | 4°55'4 | 22°44'44 | 27°23'23 | 6°31'31 | 5°28'18 | 18°57'57 | 26°56'56 | 25°59'59 | 15°12'15 | 15°38'15 | 6°36'13 | 13°15'15 |
| F 20 | 14 28 20 | 8°41'27 | 11°41'11 | 4°18'4 | 23°49'49 | 28°5'5 | 6°41'41 | 5°33'18 | 18°56'56 | 26°54'54 | 25°59'59 | 15°11'15 | 15°35'15 | 6°43'13 | 13°12'12 |
| S 21 | 14 32 17 | 9°39'26 | 25°47'25 | 3°42'3 | 24°54'54 | 28°46'46 | 6°51'51 | 5°37'18 | 18°54'54 | 26°53'53 | 25°58'58 | 15°11'15 | 15°32'15 | 6°49'13 | 13°9'9 |
| S 22 | 14 36 13 | 10°37'24 | 10°42'10 | 3°9'29 | 25°59'59 | 29°27'27 | 7°1'7 | 5°42'18 | 18°53'53 | 26°51'51 | 25°58'58 | 15°D11 | 15°29'15 | 6°56'13 | 13°6'6 |
| M 23 | 14 40 10 | 11°35'20 | 25°46'25 | 2°38'27 | 27°4'27 | 0°II8 | 7°11'11 | 5°46'18 | 18°52'52 | 26°49'49 | 25°58'58 | 15°11'15 | 15°25'15 | 7°3'13 | 13°3'3 |
| T 24 | 14 44 6 | 12°33'14 | 10°45'10 | 2°9'28 | 28°10'10 | 0°50'50 | 7°21'21 | 5°50'18 | 18°51'51 | 26°48'48 | 25°58'58 | 15°11'15 | 15°22'15 | 7°9'13 | 13°0'0 |
| W 25 | 14 48 3 | 13°31'07 | 25°45'25 | 1°45'29 | 29°15'15 | 1°31'31 | 7°30'30 | 5°54'18 | 18°49'49 | 26°46'46 | 25°58'58 | 15°11'15 | 15°19'15 | 7°16'12 | 12°56'56 |
| T 26 | 14 52 0 | 14°28'59 | 10°32'10 | 1°24'24 | 0°47'29 | 2°12'12 | 7°40'40 | 5°59'18 | 18°48'48 | 26°45'45 | 25°58'58 | 15°11'15 | 15°16'15 | 7°23'12 | 12°53'53 |
| F 27 | 14 55 56 | 15°26'50 | 24°43'24 | 1°7'17 | 1°27'27 | 2°53'53 | 7°49'49 | 6°3'18 | 18°47'47 | 26°43'43 | 25°58'58 | 15°R11 | 15°13'15 | 7°29'12 | 12°49'49 |
| S 28 | 14 59 53 | 16°24'39 | 8°43'8 | 0°54'2 | 2°33'33 | 3°34'34 | 7°59'59 | 6°7'18 | 18°46'46 | 26°42'42 | 25°D58 | 15°11'15 | 15°10'15 | 7°36'12 | 12°46'46 |
| S 29 | 1 | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1464

MAY 1464 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|-------|-------|------|--------|--------|-------|--------|-------|-------|--------|---|---|
| T 1 | 15 11 42 | 19♁18'00 | 18♁14 | 0♁43 | 5♁53 | 5♁37 | 8♁26 | 6♁18 | 18°R43 | 26°R37 | 25♁58 | 15♁11 | 15♁0 | 7♁56 | 12°R35 | | |
| W 2 | 15 15 39 | 20°15'44 | 0♁48 | 0°49 | 6°59 | 6°18 | 8°35 | 6°22 | 18♁43 | 26♁36 | 25°58 | 15°12 | 14°57 | 8°3 | 12♁31 | | |
| T 3 | 15 19 35 | 21°13'27 | 13° 7 | 0°59 | 8° 6 | 6°59 | 8°43 | 6°25 | 18°42 | 26°34 | 25°58 | 15°13 | 14°54 | 8° 9 | 12°28 | | |
| F 4 | 15 23 32 | 22°11'10 | 25°16 | 1°13 | 9°13 | 7°39 | 8°52 | 6°29 | 18°41 | 26°33 | 25°58 | 15°13 | 14°51 | 8°16 | 12°24 | | |
| S 5 | 15 27 29 | 23° 8'51 | 7♁16 | 1°32 | 10°20 | 8°20 | 9° 0 | 6°32 | 18°40 | 26°31 | 25°58 | 15°14 | 14°47 | 8°23 | 12°20 | | |
| S 6 | 15 31 25 | 24° 6'30 | 19°10 | 1°56 | 11°28 | 9° 1 | 9° 8 | 6°35 | 18°40 | 26°30 | 25°59 | 15°R14 | 14°44 | 8°29 | 12°16 | | |
| M 7 | 15 35 22 | 25° 4'09 | 1♁0 | 2°23 | 12°35 | 9°42 | 9°17 | 6°38 | 18°39 | 26°29 | 25°59 | 15°13 | 14°41 | 8°36 | 12°12 | | |
| T 8 | 15 39 18 | 26° 1'46 | 12°48 | 2°55 | 13°42 | 10°22 | 9°25 | 6°42 | 18°39 | 26°27 | 25°59 | 15°12 | 14°38 | 8°43 | 12° 9 | | |
| W 9 | 15 43 15 | 26°59'22 | 24°36 | 3°31 | 14°50 | 11° 3 | 9°32 | 6°45 | 18°38 | 26°26 | 25°59 | 15°11 | 14°35 | 8°49 | 12° 5 | | |
| T 10 | 15 47 11 | 27°56'57 | 6♁27 | 4°10 | 15°58 | 11°43 | 9°40 | 6°47 | 18°38 | 26°24 | 26° 0 | 15° 9 | 14°31 | 8°56 | 12° 1 | | |
| F 11 | 15 51 8 | 28°54'31 | 18°24 | 4°54 | 17° 6 | 12°24 | 9°48 | 6°50 | 18°37 | 26°23 | 26° 0 | 15° 7 | 14°28 | 9° 3 | 11°57 | | |
| S 12 | 15 55 4 | 29°52'03 | 0♁30 | 5°41 | 18°13 | 13° 4 | 9°55 | 6°53 | 18°37 | 26°22 | 26° 0 | 15° 5 | 14°25 | 9° 9 | 11°53 | | |
| S 13 | 15 59 1 | 0♁49'34 | 12°49 | 6°32 | 19°21 | 13°45 | 10° 2 | 6°56 | 18°37 | 26°21 | 26° 1 | 15° 4 | 14°22 | 9°16 | 11°49 | | |
| M14 | 16 2 58 | 1°47'03 | 25°23 | 7°26 | 20°30 | 14°25 | 10°10 | 6°58 | 18°37 | 26°19 | 26° 1 | 15° 3 | 14°19 | 9°22 | 11°44 | | |
| T 15 | 16 6 54 | 2°44'31 | 8♁18 | 8°24 | 21°38 | 15° 6 | 10°17 | 7° 1 | 18°36 | 26°18 | 26° 2 | 15°D 3 | 14°16 | 9°29 | 11°40 | | |
| W16 | 16 10 51 | 3°41'58 | 21°35 | 9°25 | 22°46 | 15°46 | 10°23 | 7° 3 | 18°36 | 26°17 | 26° 2 | 15° 4 | 14°12 | 9°36 | 11°36 | | |
| T 17 | 16 14 47 | 4°39'23 | 5♁18 | 10°29 | 23°54 | 16°26 | 10°30 | 7° 5 | 18°36 | 26°16 | 26° 3 | 15° 5 | 14° 9 | 9°42 | 11°32 | | |
| F 18 | 16 18 44 | 5°36'47 | 19°27 | 11°37 | 25° 3 | 17° 7 | 10°37 | 7° 8 | 18°D36 | 26°14 | 26° 3 | 15° 6 | 14° 6 | 9°49 | 11°28 | | |
| S 19 | 16 22 40 | 6°34'10 | 4♁1 | 12°48 | 26°11 | 17°47 | 10°43 | 7°10 | 18°36 | 26°13 | 26° 4 | 15° 7 | 14° 3 | 9°56 | 11°24 | | |
| S 20 | 16 26 37 | 7°31'32 | 18°56 | 14° 1 | 27°20 | 18°27 | 10°49 | 7°12 | 18°36 | 26°12 | 26° 5 | 15°R 7 | 14° 0 | 10° 2 | 11°20 | | |
| M21 | 16 30 33 | 8°28'53 | 4♁5 | 15°18 | 28°29 | 19° 7 | 10°55 | 7°14 | 18°37 | 26°11 | 26° 5 | 15° 7 | 13°57 | 10° 9 | 11°16 | | |
| T 22 | 16 34 30 | 9°26'13 | 19°20 | 16°38 | 29°38 | 19°47 | 11° 1 | 7°15 | 18°37 | 26°10 | 26° 6 | 15° 5 | 13°53 | 10°16 | 11°11 | | |
| W23 | 16 38 27 | 10°23'33 | 4♁29 | 18° 1 | 0♁46 | 20°27 | 11° 7 | 7°17 | 18°37 | 26° 9 | 26° 7 | 15° 2 | 13°50 | 10°22 | 11° 7 | | |
| T 24 | 16 42 23 | 11°20'52 | 19°24 | 19°26 | 1°55 | 21° 7 | 11°13 | 7°19 | 18°37 | 26° 8 | 26° 7 | 14°58 | 13°47 | 10°29 | 11° 3 | | |
| F 25 | 16 46 20 | 12°18'10 | 3♁57 | 20°55 | 3° 5 | 21°48 | 11°18 | 7°20 | 18°38 | 26° 7 | 26° 8 | 14°55 | 13°44 | 10°36 | 10°59 | | |
| S 26 | 16 50 16 | 13°15'28 | 18° 4 | 22°26 | 4°14 | 22°28 | 11°23 | 7°22 | 18°38 | 26° 6 | 26° 9 | 14°52 | 13°41 | 10°42 | 10°55 | | |
| S 27 | 16 54 13 | 14°12'45 | 1♁43 | 24° 0 | 5°23 | 23° 7 | 11°28 | 7°23 | 18°39 | 26° 5 | 26°10 | 14°50 | 13°37 | 10°49 | 10°51 | | |
| M28 | 16 58 9 | 15°10'02 | 14°55 | 25°38 | 6°32 | 23°47 | 11°33 | 7°24 | 18°39 | 26° 4 | 26°11 | 14°D49 | 13°34 | 10°56 | 10°46 | | |
| T 29 | 17 2 6 | 16° 7'19 | 27°43 | 27°17 | 7°42 | 24°27 | 11°38 | 7°25 | 18°40 | 26° 3 | 26°12 | 14°50 | 13°31 | 11° 2 | 10°42 | | |
| W30 | 17 6 3 | 17° 4'35 | 10♁11 | 29° 0 | 8°51 | 25° 7 | 11°42 | 7°27 | 18°40 | 26° 2 | 26°12 | 14°51 | 13°28 | 11° 9 | 10°38 | | |
| T 31 | 17 9 59 | 18♁1'51 | 22♁22 | 0♁46 | 10♁1 | 25♁47 | 11♁47 | 7♁27 | 18♁41 | 26♁1 | 26♁13 | 14♁53 | 13♁25 | 11♁16 | 10♁34 | | |

Delta T = 233.50 sec. Julian Calendar 1 May 1464 == Greg. Calendar 10 May 1464

JUNE 1464 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|-------|--------|-------|-------|--------|-------|--------|-------|-------|--------|---|---|
| F 1 | 17 13 56 | 18♁59'06 | 4♁23 | 2♁34 | 11♁10 | 26♁27 | 11♁51 | 7♁28 | 18♁42 | 26°R 0 | 26♁14 | 14♁54 | 13♁22 | 11♁22 | 10°R30 | | |
| S 2 | 17 17 52 | 19°56'22 | 16°15 | 4°24 | 12°20 | 27° 7 | 11°55 | 7°29 | 18°43 | 25°59 | 26°15 | 14°R55 | 13°18 | 11°29 | 10°26 | | |
| S 3 | 17 21 49 | 20°53'37 | 28° 3 | 6°18 | 13°30 | 27°46 | 11°59 | 7°30 | 18°43 | 25°59 | 26°16 | 14°54 | 13°15 | 11°36 | 10°22 | | |
| M 4 | 17 25 45 | 21°50'51 | 9♁51 | 8°14 | 14°40 | 28°26 | 12° 3 | 7°30 | 18°44 | 25°58 | 26°17 | 14°51 | 13°12 | 11°42 | 10°18 | | |
| T 5 | 17 29 42 | 22°48'06 | 21°39 | 10°12 | 15°49 | 29° 6 | 12° 6 | 7°31 | 18°45 | 25°57 | 26°18 | 14°47 | 13° 9 | 11°49 | 10°14 | | |
| W 6 | 17 33 38 | 23°45'20 | 3♁32 | 12°12 | 16°59 | 29°45 | 12° 9 | 7°31 | 18°46 | 25°56 | 26°20 | 14°41 | 13° 6 | 11°56 | 10°10 | | |
| T 7 | 17 37 35 | 24°42'33 | 15°29 | 14°15 | 18° 9 | 0♁25 | 12°13 | 7°31 | 18°47 | 25°56 | 26°21 | 14°34 | 13° 3 | 12° 2 | 10° 6 | | |
| F 8 | 17 41 32 | 25°39'46 | 27°34 | 16°19 | 19°20 | 1° 5 | 12°16 | 7°31 | 18°48 | 25°55 | 26°22 | 14°27 | 12°59 | 12° 9 | 10° 2 | | |
| S 9 | 17 45 28 | 26°36'59 | 9♁48 | 18°26 | 20°30 | 1°44 | 12°18 | 7°R31 | 18°50 | 25°55 | 26°23 | 14°19 | 12°56 | 12°16 | 9°58 | | |
| S 10 | 17 49 25 | 27°34'12 | 22°12 | 20°33 | 21°40 | 2°24 | 12°21 | 7°31 | 18°51 | 25°54 | 26°24 | 14°13 | 12°53 | 12°22 | 9°54 | | |
| M11 | 17 53 21 | 28°31'23 | 4♁50 | 22°42 | 22°50 | 3° 3 | 12°23 | 7°31 | 18°52 | 25°53 | 26°25 | 14° 9 | 12°50 | 12°29 | 9°50 | | |
| T 12 | 17 57 18 | 29°28'35 | 17°44 | 24°52 | 24° 0 | 3°43 | 12°25 | 7°31 | 18°53 | 25°53 | 26°27 | 14° 7 | 12°47 | 12°36 | 9°47 | | |
| W13 | 18 1 14 | 0♁25'46 | 0♁58 | 27° 2 | 25°11 | 4°22 | 12°27 | 7°31 | 18°55 | 25°52 | 26°28 | 14°D 6 | 12°43 | 12°42 | 9°43 | | |
| T 14 | 18 5 11 | 1°22'56 | 14°32 | 29°13 | 26°21 | 5° 1 | 12°29 | 7°30 | 18°56 | 25°52 | 26°29 | 14° 7 | 12°40 | 12°49 | 9°39 | | |
| F 15 | 18 9 7 | 2°20'06 | 28°30 | 1♁23 | 27°32 | 5°41 | 12°31 | 7°30 | 18°58 | 25°51 | 26°30 | 14° 8 | 12°37 | 12°56 | 9°36 | | |
| S 16 | 18 13 4 | 3°17'16 | 12♁51 | 3°34 | 28°42 | 6°20 | 12°32 | 7°29 | 18°59 | 25°51 | 26°32 | 14°R 8 | 12°34 | 13° 2 | 9°32 | | |
| S 17 | 18 17 1 | 4°14'26 | 27°33 | 5°44 | 29°53 | 7° 0 | 12°34 | 7°28 | 19° 1 | 25°51 | 26°33 | 14° 8 | 12°31 | 13° 9 | 9°28 | | |
| M18 | 18 20 57 | 5°11'35 | 12♁33 | 7°53 | 1♁4 | 7°39 | 12°35 | 7°27 | 19° 2 | 25°50 | 26°35 | 14° 5 | 12°28 | 13°16 | 9°25 | | |
| T 19 | 18 24 54 | 6° 8'45 | 27°42 | 10° 1 | 2°14 | 8°18 | 12°36 | 7°26 | 19° 4 | 25°50 | 26°36 | 14° 0 | 12°24 | 13°22 | 9°21 | | |
| W20 | 18 28 50 | 7° 5'54 | 12♁51 | 12° 9 | 3°25 | 8°57 | 12°36 | 7°25 | 19° 6 | 25°50 | 26°37 | 13°53 | 12°21 | 13°29 | 9°18 | | |
| T 21 | 18 32 47 | 8° 3'04 | 27°49 | 14°15 | 4°36 | 9°37 | 12°37 | 7°24 | 19° 7 | 25°49 | 26°39 | 13°45 | 12°18 | 13°36 | 9°15 | | |
| F 22 | 18 36 43 | 9° 0'14 | 12♁29 | 16°19 | 5°47 | 10°16 | 12°37 | 7°23 | 19° 9 | 25°49 | 26°40 | 13°37 | 12°15 | 13°42 | 9°11 | | |
| S 23 | 18 40 40 | 9°57'24 | 26°43 | 18°22 | 6°58 | 10°55 | 12°R37 | 7°22 | 19°11 | 25°49 | 26°42 | 13°30 | 12°12 | 13°49 | 9° 8 | | |
| S 24 | 18 44 36 | 10°54'35 | 10♁29 | 20°24 | 8° 9 | 11°34 | 12°37 | 7°20 | 19°13 | 25°49 | 26°43 | 13°24 | 12° 9 | 13°56 | 9° 5 | | |
| M25 | 18 48 33 | 11°51'46 | 23°45 | 22°24 | 9°20 | 12°13 | 12°37 | 7°19 | 19°15 | 25°49 | 26°45 | 13°21 | 12° 5 | 14° 2 | 9° 2 | | |
| T 26 | 18 52 30 | 12°48'57 | 6♁35 | 24°22 | 10°31 | 12°52 | 12°36 | 7°17 | 19°17 | 25°49 | 26°46 | 13°19 | 12° 2 | 14° 9 | 8°59 | | |
| W27 | 18 56 26 | 13°46'09 | 19° 3 | 26°18 | 11°42 | 13°31 | 12°35 | 7°16 | 19°19 | 25°49 | 26°48 | 13°D19 | 11°59 | 14°16 | 8°56 | | |
| T 28 | 19 0 23 | 14°43'22 | 1♁13 | 28°12 | 12°54 | 14°10 | 12°35 | 7°14 | 19°21 | 25°D49 | 26°49 | 13°20 | 11°56 | 14°22 | 8°53 | | |
| F 29 | 19 4 19 | 15°40'35 | 13°10 | 0♁5 | 14° 5 | 14°49 | 12°33 | 7°12 | 19°23 | 25°49 | 26°51 | 13°R20 | 11°53 | 14°29 | 8°50 | | |
| S 30 | 19 8 16 | 16♁37'50 | 25♁0 | 1♁56 | 15♁16 | 15♁28 | 12♁32 | 7♁10 | 19♁25 | 25♁49 | 26♁53 | 13♁19 | 11♁49 | 14♁36 | 8♁47 | | |

Delta T = 233.40 sec. Julian Calendar created from Swiss Ephemeris, Copyright AstroDienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1464

JULY 1464 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|------------------------|--------------------|--------------------|---------------------|---------------------|---------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---|---|---|---|---|---|---|---|
| S 1 | 19 12 12 | 17 ^h 35'04" | 6 ^h 47' | 3 ^h 045 | 16 ^h 28' | 16 ^h 07' | 12°R31 | 7°R 8 | 19 ^h 27' | 25 ^h 049 | 26 ^h 054 | 13°R17 | 11 ^h 046 | 14 ^h 42' | 8°R45 | | | | | | | | |
| M 2 | 19 16 9 | 18°32'20" | 18°35' | 5°32' | 17°39' | 16°46' | 12 ^h 29' | 7 ^h 6 | 19°30' | 25°49' | 26°56' | 13 ^h 12' | 11°43' | 14°49' | 8 ^h 42' | | | | | | | | |
| T 3 | 19 20 6 | 19°29'36" | 0 ^h 28' | 7°17' | 18°51' | 17°25' | 12°27' | 7° 3 | 19°32' | 25°49' | 26°58' | 13° 4 | 11°40' | 14°56' | 8°39' | | | | | | | | |
| W 4 | 19 24 2 | 20°26'53" | 12°27' | 9° 1 | 20° 2 | 18° 4 | 12°25' | 7° 1 | 19°34' | 25°49' | 26°59' | 12°54' | 11°37' | 15° 2 | 8°37' | | | | | | | | |
| T 5 | 19 27 59 | 21°24'10" | 24°34' | 10°42' | 21°14' | 18°43' | 12°23' | 6°59' | 19°37' | 25°49' | 27° 1 | 12°42' | 11°34' | 15° 9 | 8°35' | | | | | | | | |
| F 6 | 19 31 55 | 22°21'28" | 6 ^h 051 | 12°22' | 22°26' | 19°22' | 12°20' | 6°56' | 19°39' | 25°50' | 27° 3 | 12°30' | 11°30' | 15°16' | 8°32' | | | | | | | | |
| S 7 | 19 35 52 | 23°18'46" | 19°18' | 14° 0 | 23°37' | 20° 1 | 12°18' | 6°54' | 19°41' | 25°50' | 27° 4 | 12°18' | 11°27' | 15°22' | 8°30' | | | | | | | | |
| S 8 | 19 39 48 | 24°16'05" | 1 ^h 56' | 15°36' | 24°49' | 20°39' | 12°15' | 6°51' | 19°44' | 25°50' | 27° 6 | 12° 8 | 11°24' | 15°29' | 8°28' | | | | | | | | |
| M 9 | 19 43 45 | 25°13'25" | 14°45' | 17°11' | 26° 1 | 21°18' | 12°12' | 6°48' | 19°46' | 25°50' | 27° 8 | 12° 0 | 11°21' | 15°36' | 8°26' | | | | | | | | |
| T 10 | 19 47 41 | 26°10'44" | 27°47' | 18°43' | 27°13' | 21°57' | 12° 9 | 6°45' | 19°49' | 25°51' | 27°10' | 11°54' | 11°18' | 15°42' | 8°24' | | | | | | | | |
| W 11 | 19 51 38 | 27° 8'05" | 11 ^h 04 | 20°14' | 28°25' | 22°36' | 12° 5 | 6°42' | 19°52' | 25°51' | 27°12' | 11°51' | 11°15' | 15°49' | 8°22' | | | | | | | | |
| T 12 | 19 55 35 | 28° 5'26" | 24°36' | 21°43' | 29°37' | 23°15' | 12° 2 | 6°39' | 19°54' | 25°52' | 27°13' | 11°D51 | 11°11' | 15°56' | 8°20' | | | | | | | | |
| F 13 | 19 59 31 | 29° 2'47" | 8 ^h 26' | 23°10' | 0 ^h 49' | 23°53' | 11°58' | 6°36' | 19°57' | 25°52' | 27°15' | 11°R51 | 11° 8 | 16° 2 | 8°18' | | | | | | | | |
| S 14 | 20 3 28 | 0 ^h 0'09" | 22°34' | 24°35' | 2° 1 | 24°32' | 11°54' | 6°33' | 20° 0 | 25°53' | 27°17' | 11°50' | 11° 5 | 16° 9 | 8°16' | | | | | | | | |
| S 15 | 20 7 24 | 0°57'32" | 7 ^h 0 | 25°58' | 3°13' | 25°11' | 11°50' | 6°30' | 20° 2 | 25°53' | 27°19' | 11°49' | 11° 2 | 16°16' | 8°15' | | | | | | | | |
| M 16 | 20 11 21 | 1°54'55" | 21°40' | 27°19' | 4°25' | 25°49' | 11°46' | 6°27' | 20° 5 | 25°54' | 27°21' | 11°45' | 10°59' | 16°22' | 8°13' | | | | | | | | |
| T 17 | 20 15 17 | 2°52'19" | 6 ^h 31 | 28°39' | 5°37' | 26°28' | 11°41' | 6°23' | 20° 8 | 25°54' | 27°23' | 11°38' | 10°55' | 16°29' | 8°12' | | | | | | | | |
| W 18 | 20 19 14 | 3°49'44" | 21°25' | 29°56' | 6°50' | 27° 6 | 11°37' | 6°20' | 20°11' | 25°55' | 27°24' | 11°29' | 10°52' | 16°36' | 8°10' | | | | | | | | |
| T 19 | 20 23 10 | 4°47'10" | 6 ^h 12 | 1 ^h 11 | 8° 2 | 27°45' | 11°32' | 6°17' | 20°14' | 25°55' | 27°26' | 11°18' | 10°49' | 16°42' | 8° 9 | | | | | | | | |
| F 20 | 20 27 7 | 5°44'37" | 20°45' | 2°24' | 9°14' | 28°24' | 11°27' | 6°13' | 20°17' | 25°56' | 27°28' | 11° 7 | 10°46' | 16°49' | 8° 8 | | | | | | | | |
| S 21 | 20 31 4 | 6°42'04" | 4 ^h 56' | 3°35' | 10°27' | 29° 2 | 11°22' | 6° 9 | 20°20' | 25°57' | 27°30' | 10°56' | 10°43' | 16°56' | 8° 7 | | | | | | | | |
| S 22 | 20 35 0 | 7°39'33" | 18°42' | 4°43' | 11°39' | 29°41' | 11°17' | 6° 6 | 20°23' | 25°58' | 27°32' | 10°48' | 10°40' | 17° 2 | 8° 6 | | | | | | | | |
| M 23 | 20 38 57 | 8°37'04" | 2 ^h 0 | 5°49' | 12°52' | 0 ^h 19 | 11°11' | 6° 2 | 20°26' | 25°58' | 27°34' | 10°42' | 10°36' | 17° 9 | 8° 5 | | | | | | | | |
| T 24 | 20 42 53 | 9°34'35" | 14°52' | 6°53' | 14° 4 | 0°58' | 11° 6 | 5°58' | 20°29' | 25°59' | 27°36' | 10°38' | 10°33' | 17°16' | 8° 4 | | | | | | | | |
| W 25 | 20 46 50 | 10°32'08" | 27°21' | 7°54' | 15°17' | 1°36' | 11° 0 | 5°54' | 20°32' | 26° 0 | 27°38' | 10°37' | 10°30' | 17°22' | 8° 3 | | | | | | | | |
| T 26 | 20 50 46 | 11°29'43" | 9 ^h 33 | 8°52' | 16°30' | 2°15' | 10°54' | 5°50' | 20°35' | 26° 1 | 27°40' | 10°36' | 10°27' | 17°29' | 8° 3 | | | | | | | | |
| F 27 | 20 54 43 | 12°27'19" | 21°31' | 9°48' | 17°43' | 2°53' | 10°48' | 5°46' | 20°38' | 26° 2 | 27°42' | 10°36' | 10°24' | 17°36' | 8° 2 | | | | | | | | |
| S 28 | 20 58 39 | 13°24'57" | 3 ^h 21 | 10°40' | 18°55' | 3°31' | 10°42' | 5°42' | 20°41' | 26° 3 | 27°44' | 10°35' | 10°21' | 17°43' | 8° 2 | | | | | | | | |
| S 29 | 21 2 36 | 14°22'36" | 15°10' | 11°30' | 20° 8 | 4°10' | 10°36' | 5°38' | 20°44' | 26° 4 | 27°46' | 10°32' | 10°17' | 17°49' | 8° 1 | | | | | | | | |
| M 30 | 21 6 33 | 15°20'16" | 27° 1 | 12°16' | 21°21' | 4°48' | 10°29' | 5°34' | 20°48' | 26° 5 | 27°48' | 10°27' | 10°14' | 17°56' | 8° 1 | | | | | | | | |
| T 31 | 21 10 29 | 16°17'59" | 8 ^h 58 | 12 ^h 59 | 22 ^h 34 | 5 ^h 27 | 10 ^h 23 | 5 ^h 30 | 20 ^h 51 | 26 ^h 6 | 27 ^h 50 | 10 ^h 18 | 10 ^h 11 | 18 ^h 3 | 8 ^h 1 | | | | | | | | |

Delta T = 233.30 sec. Julian Calendar 1 July 1464 == Greg. Calendar 10 July 1464

AUGUST 1464 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|------------------------|--------------------|---------------------|---------------------|--------------------|-------------------|-------------------|---------------------|--------------------|--------------------|-------------------|-------------------|--------------------|-------------------|---|---|---|---|---|---|---|---|
| W 1 | 21 14 26 | 17 ^h 15'42" | 21 ^h 5 | 13 ^h 38' | 23 ^h 47' | 6 ^h 05 | 10°R16 | 5°R26 | 20 ^h 54' | 26 ^h 7 | 27 ^h 52 | 10°R 8 | 10 ^h 8 | 18 ^h 9 | 8°R 1 | | | | | | | | |
| T 2 | 21 18 22 | 18°13'28" | 3 ^h 23 | 14°13' | 25° 0 | 6°43' | 10 ^h 9 | 5 ^h 22 | 20°58' | 26° 8 | 27°54' | 9 ^h 55 | 10° 5 | 18°16' | 8°D 1 | | | | | | | | |
| F 3 | 21 22 19 | 19°11'14" | 15°54' | 14°44' | 26°13' | 7°22' | 10° 3 | 5°17' | 21° 1 | 26° 9 | 27°56' | 9°42' | 10° 1 | 18°23' | 8 ^h 1 | | | | | | | | |
| S 4 | 21 26 15 | 20° 9'02" | 28°39' | 15°10' | 27°26' | 8° 0 | 9°56' | 5°13' | 21° 4 | 26°10' | 27°58' | 9°30' | 9°58' | 18°29' | 8° 1 | | | | | | | | |
| S 5 | 21 30 12 | 21° 6'52" | 11 ^h 35 | 15°32' | 28°40' | 8°38' | 9°49' | 5° 9 | 21° 8 | 26°11' | 28° 0 | 9°18' | 9°55' | 18°36' | 8° 1 | | | | | | | | |
| M 6 | 21 34 8 | 22° 4'42" | 24°43' | 15°50' | 29°53' | 9°17' | 9°41' | 5° 4 | 21°11' | 26°12' | 28° 2 | 9°10' | 9°52' | 18°43' | 8° 2 | | | | | | | | |
| T 7 | 21 38 5 | 23° 2'34" | 8 ^h 3 | 16° 2 | 1 ^h 6 | 9°55' | 9°34' | 5° 0 | 21°14' | 26°13' | 28° 4 | 9° 4 | 9°49' | 18°49' | 8° 2 | | | | | | | | |
| W 8 | 21 42 2 | 24° 0'28" | 21°33' | 16° 8 | 2°19' | 10°33' | 9°27' | 4°56' | 21°18' | 26°15' | 28° 6 | 9° 0 | 9°46' | 18°56' | 8° 3 | | | | | | | | |
| T 9 | 21 45 58 | 24°58'22" | 5 ^h 13 | 16°R10 | 3°33' | 11°11' | 9°19' | 4°51' | 21°21' | 26°16' | 28° 8 | 8°D59 | 9°42' | 19° 3 | 8° 3 | | | | | | | | |
| F 10 | 21 49 55 | 25°56'18" | 19° 4 | 16° 5 | 4°46' | 11°50' | 9°12' | 4°47' | 21°25' | 26°17' | 28°10' | 9°R 0 | 9°39' | 19° 9 | 8° 4 | | | | | | | | |
| S 11 | 21 53 51 | 26°54'16" | 3 ^h 7 | 15°55' | 6° 0 | 12°28' | 9° 4 | 4°42' | 21°28' | 26°19' | 28°12' | 9° 0 | 9°36' | 19°16' | 8° 5 | | | | | | | | |
| S 12 | 21 57 48 | 27°52'14" | 17°20' | 15°38' | 7°13' | 13° 6 | 8°57' | 4°38' | 21°32' | 26°20' | 28°14' | 8°58' | 9°33' | 19°23' | 8° 6 | | | | | | | | |
| M 13 | 22 1 44 | 28°50'14" | 1 ^h 41 | 15°16' | 8°27' | 13°44' | 8°49' | 4°33' | 21°35' | 26°21' | 28°16' | 8°55' | 9°30' | 19°29' | 8° 7 | | | | | | | | |
| T 14 | 22 5 41 | 29°48'16" | 16° 9 | 14°47' | 9°40' | 14°22' | 8°41' | 4°28' | 21°39' | 26°23' | 28°18' | 8°49' | 9°27' | 19°36' | 8° 8 | | | | | | | | |
| W 15 | 22 9 37 | 0 ^h 46'18" | 0 ^h 38 | 14°12' | 10°54' | 15° 0 | 8°33' | 4°24' | 21°43' | 26°24' | 28°20' | 8°40' | 9°23' | 19°43' | 8° 9 | | | | | | | | |
| T 16 | 22 13 34 | 1°44'23" | 15° 2 | 13°32' | 12° 8 | 15°39' | 8°26' | 4°19' | 21°46' | 26°26' | 28°22' | 8°30' | 9°20' | 19°49' | 8°10 | | | | | | | | |
| F 17 | 22 17 31 | 2°42'29" | 29°15' | 12°46' | 13°21' | 16°17' | 8°18' | 4°15' | 21°50' | 26°27' | 28°24' | 8°20' | 9°17' | 19°56' | 8°12 | | | | | | | | |
| S 18 | 22 21 27 | 3°40'36" | 13 ^h 11 | 11°56' | 14°35' | 16°55' | 8°10' | 4°10' | 21°53' | 26°29' | 28°26' | 8°10' | 9°14' | 20° 3 | 8°13 | | | | | | | | |
| S 19 | 22 25 24 | 4°38'45" | 26°46' | 11° 2 | 15°49' | 17°33' | 8° 2 | 4° 6 | 21°57' | 26°30' | 28°28' | 8° 2 | 9°11' | 20° 9 | 8°15 | | | | | | | | |
| M 20 | 22 29 20 | 5°36'56" | 9 ^h 59 | 10° 5 | 17° 3 | 18°11' | 7°54' | 4° 1 | 22° 1 | 26°32' | 28°30' | 7°57' | 9° 7 | 20°16' | 8°16 | | | | | | | | |
| T 21 | 22 33 17 | 6°35'09" | 22°48' | 9° 6 | 18°16' | 18°49' | 7°46' | 3°56' | 22° 4 | 26°33' | 28°32' | 7°53' | 9° 4 | 20°23' | 8°18 | | | | | | | | |
| W 22 | 22 37 13 | 7°33'25" | 5 ^h 17 | 8° 6 | 19°30' | 19°27' | 7°38' | 3°52' | 22° 8 | 26°35' | 28°34' | 7°D52 | 9° 1 | 20°29' | 8°20 | | | | | | | | |
| T 23 | 22 41 10 | 8°31'42" | 17°29' | 7° 7 | 20°44' | 20° 5 | 7°30' | 3°47' | 22°12' | 26°36' | 28°36' | 7°52' | 8°58' | 20°36' | 8°22 | | | | | | | | |
| F 24 | 22 45 6 | 9°30'01" | 29°29' | 6°10' | 21°58' | 20°43' | 7°22' | 3°43' | 22°15' | 26°38' | 28°38' | 7°53' | 8°55' | 20°43' | 8°24 | | | | | | | | |
| S 25 | 22 49 3 | 10°28'22" | 11 ^h 21 | 5°16' | 23°12' | 21°21' | 7°14' | 3°38' | 22°19' | 26°40' | 28°40' | 7°R54 | 8°52' | 20°49' | 8°26 | | | | | | | | |
| S 26 | 22 53 0 | 11°26'46" | 23°11' | 4°27' | 24°27' | 21°59' | 7° 6 | 3°34' | 22°23' | 26°41' | 28°42' | 7°53' | 8°48' | 20°56' | 8°28 | | | | | | | | |
| M 27 | 22 56 56 | 12°25'12" | 5 ^h 4 | 3°44' | 25°41' | 22°37' | 6°58' | 3°29' | 22°27' | 26°43' | 28°44' | 7°50' | 8°45' | 21° 3 | 8°30 | | | | | | | | |
| T 28 | 23 0 53 | 13°23'40" | 17° 4 | 3° 8 | 26°55' | 23°15' | 6°50' | 3°25' | 22°30' | 26°45' | 28°46' | 7°45' | 8°42' | 21°10' | 8°33 | | | | | | | | |
| W 29 | 23 4 49 | 14°22'09" | 29°17' | 2°40' | 28° 9 | 23°53' | 6°43' | 3°20' | 22°34' | 26°47' | 28°48' | 7°38' | 8°39' | 21°16' | 8°35 | | | | | | | | |
| T 30 | 23 8 46 | 15°20'42" | 11 ^h 44 | 2°20' | 29°23' | 24°31' | 6°35' | 3°16' | 22°38' | 26°48' | 28°50' | 7°30' | 8°36' | 21°23' | 8°38 | | | | | | | | |
| F 31 | 23 12 42 | 16 ^h 19'16" | 24 ^h 28 | 2 ^h 10 | 0 ^h 38 | 25 ^h 09 | 6 ^h 27 | 3 ^h 11 | 22 ^h 42 | 26 ^h 50 | 28 ^h 52 | 7 ^h 20 | 8 ^h 33 | 21 ^h 30 | 8 ^h 40 | | | | | | | | |

Delta T = 233.20 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1464

SEPTEMBER 1464 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|-----|----------|---|---|--------------------------------|--------------------------------|--|--------------------------------|--------------------------------|---------------------------------|--|--|--------------------------------|--------------------------------|---------------------------------|---------------------------------|
| S 1 | 23 16 39 | 17 ^h 17 ^m 52 ^s | 7 ^h 28 ^m | 2°D 9 | 1 ^h 52 ^m | 25 ^h 04 ^m 7 ^s | 6°R19 | 3°R 7 | 22 ^h 45 ^m | 26 ^h 05 ^m 2 ^s | 28 ^h 05 ^m 4 ^s | 7°R11 | 8 ^h 29 ^m | 21 ^h 36 ^m | 8 ^h 43 ^m |
| S 2 | 23 20 35 | 18°16'30 | 20°45 | 2 ^h 18 ^m | 3° 6 | 26°25 | 6 ^h 12 ^m | 3 ^h 3 ^m | 22°49 | 26°54 | 28°56 | 7 ^h 4 ^m | 8°26 | 21°43 | 8°46 |
| M 3 | 23 24 32 | 19°15'10 | 4 ^h 17 ^m | 2°36 | 4°21 | 27° 3 | 6° 4 | 2°58 | 22°53 | 26°56 | 28°58 | 6°58 | 8°23 | 21°50 | 8°49 |
| T 4 | 23 28 28 | 20°13'51 | 18° 0 | 3° 4 | 5°35 | 27°41 | 5°57 | 2°54 | 22°57 | 26°58 | 29° 0 | 6°54 | 8°20 | 21°56 | 8°52 |
| W 5 | 23 32 25 | 21°12'35 | 1 ^h 53 ^m | 3°40 | 6°50 | 28°19 | 5°49 | 2°50 | 23° 1 | 26°59 | 29° 2 | 6°D52 | 8°17 | 22° 3 | 8°55 |
| T 6 | 23 36 22 | 22°11'21 | 15°53 | 4°26 | 8° 4 | 28°57 | 5°42 | 2°46 | 23° 4 | 27° 1 | 29° 4 | 6°52 | 8°13 | 22°10 | 8°58 |
| F 7 | 23 40 18 | 23°10'08 | 29°58 | 5°20 | 9°19 | 29°35 | 5°35 | 2°42 | 23° 8 | 27° 3 | 29° 6 | 6°54 | 8°10 | 22°16 | 9° 1 |
| S 8 | 23 44 15 | 24° 8'57 | 14 ^h 7 ^m 6 ^s | 6°21 | 10°33 | 0 ^h 12 ^m | 5°27 | 2°37 | 23°12 | 27° 5 | 29° 7 | 6°55 | 8° 7 | 22°23 | 9° 4 |
| S 9 | 23 48 11 | 25° 7'48 | 28°16 | 7°29 | 11°48 | 0°50 | 5°20 | 2°33 | 23°16 | 27° 7 | 29° 9 | 6°R55 | 8° 4 | 22°30 | 9° 8 |
| M10 | 23 52 8 | 26° 6'41 | 12 ^h 26 ^m | 8°43 | 13° 2 | 1°28 | 5°13 | 2°29 | 23°19 | 27° 9 | 29°11 | 6°54 | 8° 1 | 22°36 | 9°11 |
| T11 | 23 56 4 | 27° 5'35 | 26°34 | 10° 3 | 14°17 | 2° 6 | 5° 7 | 2°25 | 23°23 | 27°11 | 29°13 | 6°51 | 7°58 | 22°43 | 9°15 |
| W12 | 0 0 1 | 28° 4'31 | 10 ^h 38 ^m | 11°28 | 15°32 | 2°44 | 5° 0 | 2°22 | 23°27 | 27°13 | 29°15 | 6°46 | 7°54 | 22°50 | 9°18 |
| T13 | 0 3 57 | 29° 3'29 | 24°34 | 12°57 | 16°46 | 3°22 | 4°53 | 2°18 | 23°31 | 27°15 | 29°17 | 6°41 | 7°51 | 22°56 | 9°22 |
| F14 | 0 7 54 | 0 ^h 2'29 ^s | 8 ^h 20 ^m | 14°30 | 18° 1 | 3°59 | 4°47 | 2°14 | 23°35 | 27°17 | 29°19 | 6°35 | 7°48 | 23° 3 | 9°26 |
| S15 | 0 11 51 | 1° 1'30 | 21°52 | 16° 6 | 19°16 | 4°37 | 4°40 | 2°10 | 23°38 | 27°19 | 29°20 | 6°29 | 7°45 | 23°10 | 9°29 |
| S16 | 0 15 47 | 2° 0'34 | 5 ^h 7 ^m | 17°44 | 20°30 | 5°15 | 4°34 | 2° 7 | 23°42 | 27°21 | 29°22 | 6°24 | 7°42 | 23°16 | 9°33 |
| M17 | 0 19 44 | 2°59'39 | 18° 6 | 19°25 | 21°45 | 5°53 | 4°28 | 2° 3 | 23°46 | 27°23 | 29°24 | 6°21 | 7°38 | 23°23 | 9°37 |
| T18 | 0 23 40 | 3°58'47 | 0 ^h 46 ^m | 21° 7 | 23° 0 | 6°31 | 4°22 | 1°59 | 23°50 | 27°25 | 29°26 | 6°D20 | 7°35 | 23°30 | 9°41 |
| W19 | 0 27 37 | 4°57'57 | 13°10 | 22°50 | 24°15 | 7° 8 | 4°16 | 1°56 | 23°53 | 27°28 | 29°27 | 6°20 | 7°32 | 23°37 | 9°45 |
| T20 | 0 31 33 | 5°57'09 | 25°20 | 24°35 | 25°30 | 7°46 | 4°11 | 1°53 | 23°57 | 27°30 | 29°29 | 6°21 | 7°29 | 23°43 | 9°50 |
| F21 | 0 35 30 | 6°56'24 | 7 ^h 19 ^m | 26°20 | 26°45 | 8°24 | 4° 5 | 1°49 | 24° 1 | 27°32 | 29°31 | 6°23 | 7°26 | 23°50 | 9°54 |
| S22 | 0 39 26 | 7°55'41 | 19°12 | 28° 5 | 28° 0 | 9° 2 | 4° 0 | 1°46 | 24° 4 | 27°34 | 29°32 | 6°25 | 7°23 | 23°57 | 9°58 |
| S23 | 0 43 23 | 8°55'00 | 1 ^h 2 ^m | 29°51 | 29°15 | 9°39 | 3°55 | 1°43 | 24° 8 | 27°36 | 29°34 | 6°26 | 7°19 | 24° 3 | 10° 3 |
| M24 | 0 47 20 | 9°54'22 | 12°55 | 1 ^h 36 ^m | 0 ^h 29 ^m | 10°17 | 3°49 | 1°40 | 24°12 | 27°38 | 29°36 | 6°R26 | 7°16 | 24°10 | 10° 7 |
| T25 | 0 51 16 | 10°53'46 | 24°56 | 3°22 | 1°44 | 10°55 | 3°45 | 1°37 | 24°15 | 27°40 | 29°37 | 6°25 | 7°13 | 24°17 | 10°12 |
| W26 | 0 55 13 | 11°53'12 | 7 ^h 10 ^m | 5° 7 | 2°59 | 11°32 | 3°40 | 1°34 | 24°19 | 27°43 | 29°39 | 6°23 | 7°10 | 24°23 | 10°16 |
| T27 | 0 59 9 | 12°52'40 | 19°39 | 6°52 | 4°15 | 12°10 | 3°35 | 1°31 | 24°23 | 27°45 | 29°41 | 6°20 | 7° 7 | 24°30 | 10°21 |
| F28 | 1 3 6 | 13°52'11 | 2 ^h 29 ^m | 8°37 | 5°30 | 12°48 | 3°31 | 1°28 | 24°26 | 27°47 | 29°42 | 6°17 | 7° 4 | 24°37 | 10°26 |
| S29 | 1 7 2 | 14°51'44 | 15°39 | 10°21 | 6°45 | 13°25 | 3°27 | 1°25 | 24°30 | 27°49 | 29°44 | 6°13 | 7° 0 | 24°43 | 10°30 |
| S30 | 1 10 59 | 15 ^h 51 ^m 19 ^s | 29 ^h 11 ^m | 12 ^h 4 ^m | 8 ^h 0 ^m | 14 ^h 3 ^m | 3 ^h 23 ^m | 1 ^h 23 ^m | 24 ^h 34 ^m | 27 ^h 51 ^m | 29 ^h 45 ^m | 6 ^h 10 ^m | 6 ^h 57 ^m | 24 ^h 50 ^m | 10 ^h 35 ^m |

Delta T = 233.11 sec. Julian Calendar 1 Sept. 1464 == Greg. Calendar 10 Sept. 1464

OCTOBER 1464 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|-----|---------|------------------------------------|--|---------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|---------------------------------|
| M 1 | 1 14 55 | 16 ^h 50'56 ^s | 13 ^h 3 ^m | 13 ^h 47 ^m | 9 ^h 15 ^m | 14 ^h 41 ^m | 3°R19 | 1°R20 | 24 ^h 37 ^m | 27 ^h 54 ^m | 29 ^h 47 ^m | 6°R 8 | 6 ^h 54 ^m | 24 ^h 57 ^m | 10 ^h 40 ^m |
| T 2 | 1 18 52 | 17°50'35 | 27°11 | 15°30 | 10°30 | 15°18 | 3 ^h 15 ^m | 1 ^h 18 ^m | 24°41 | 27°56 | 29°48 | 6 ^h 7 ^m | 6°51 | 25° 3 | 10°45 |
| W 3 | 1 22 49 | 18°50'17 | 11 ^h 32 ^m | 17°12 | 11°45 | 15°56 | 3°12 | 1°16 | 24°44 | 27°58 | 29°50 | 6°D 7 | 6°48 | 25°10 | 10°50 |
| T 4 | 1 26 45 | 19°50'00 | 25°59 | 18°53 | 13° 0 | 16°34 | 3° 9 | 1°13 | 24°48 | 28° 0 | 29°51 | 6° 8 | 6°44 | 25°17 | 10°55 |
| F 5 | 1 30 42 | 20°49'45 | 10 ^h 7 ^m 28 ^s | 20°34 | 14°16 | 17°11 | 3° 6 | 1°11 | 24°51 | 28° 2 | 29°53 | 6° 9 | 6°41 | 25°24 | 11° 1 |
| S 6 | 1 34 38 | 21°49'32 | 24°54 | 22°14 | 15°31 | 17°49 | 3° 3 | 1° 9 | 24°55 | 28° 5 | 29°54 | 6°10 | 6°38 | 25°30 | 11° 6 |
| S 7 | 1 38 35 | 22°49'21 | 9 ^h 14 ^m | 23°53 | 16°46 | 18°26 | 3° 0 | 1° 7 | 24°58 | 28° 7 | 29°55 | 6°11 | 6°35 | 25°37 | 11°11 |
| M 8 | 1 42 31 | 23°49'11 | 23°24 | 25°32 | 18° 1 | 19° 4 | 2°58 | 1° 5 | 25° 2 | 28° 9 | 29°57 | 6°R11 | 6°32 | 25°44 | 11°16 |
| T 9 | 1 46 28 | 24°49'03 | 7 ^h 23 ^m | 27°11 | 19°16 | 19°42 | 2°55 | 1° 3 | 25° 5 | 28°11 | 29°58 | 6°11 | 6°29 | 25°50 | 11°22 |
| W10 | 1 50 24 | 25°48'56 | 21° 9 | 28°49 | 20°32 | 20°19 | 2°53 | 1° 2 | 25° 9 | 28°14 | 29°59 | 6°10 | 6°25 | 25°57 | 11°27 |
| T11 | 1 54 21 | 26°48'52 | 4 ^h 42 ^m | 0 ^h 26 ^m | 21°47 | 20°57 | 2°52 | 1° 0 | 25°12 | 28°16 | 0 ^h 1 ^m | 6° 9 | 6°22 | 26° 4 | 11°33 |
| F12 | 1 58 18 | 27°48'48 | 18° 2 | 2° 3 | 23° 2 | 21°34 | 2°50 | 0°59 | 25°15 | 28°18 | 0° 2 | 6° 8 | 6°19 | 26°10 | 11°38 |
| S13 | 2 2 14 | 28°48'47 | 1 ^h 8 ^m | 3°39 | 24°17 | 22°12 | 2°48 | 0°57 | 25°19 | 28°20 | 0° 3 | 6° 7 | 6°16 | 26°17 | 11°44 |
| S14 | 2 6 11 | 29°48'47 | 14° 0 | 5°15 | 25°33 | 22°49 | 2°47 | 0°56 | 25°22 | 28°23 | 0° 4 | 6° 6 | 6°13 | 26°24 | 11°49 |
| M15 | 2 10 7 | 0 ^h 48'49 ^s | 26°39 | 6°50 | 26°48 | 23°27 | 2°46 | 0°55 | 25°25 | 28°25 | 0° 6 | 6° 6 | 6° 9 | 26°30 | 11°55 |
| T16 | 2 14 4 | 1°48'53 | 9 ^h 5 ^m | 8°25 | 28° 3 | 24° 4 | 2°45 | 0°54 | 25°28 | 28°27 | 0° 7 | 6°D 6 | 6° 6 | 26°37 | 12° 1 |
| W17 | 2 18 0 | 2°48'59 | 21°20 | 10° 0 | 29°19 | 24°42 | 2°45 | 0°53 | 25°32 | 28°29 | 0° 8 | 6° 6 | 6° 3 | 26°44 | 12° 7 |
| T18 | 2 21 57 | 3°49'07 | 3 ^h 24 ^m | 11°34 | 0 ^h 34 ^m | 25°19 | 2°44 | 0°52 | 25°35 | 28°32 | 0° 9 | 6° 6 | 6° 0 | 26°51 | 12°12 |
| F19 | 2 25 53 | 4°49'17 | 15°21 | 13° 7 | 1°49 | 25°57 | 2°44 | 0°51 | 25°38 | 28°34 | 0°10 | 6° 6 | 5°57 | 26°57 | 12°18 |
| S20 | 2 29 50 | 5°49'29 | 27°13 | 14°41 | 3° 5 | 26°34 | 2°D44 | 0°50 | 25°41 | 28°36 | 0°11 | 6°R 6 | 5°54 | 27° 4 | 12°24 |
| S21 | 2 33 47 | 6°49'43 | 9 ^h 3 ^m | 16°13 | 4°20 | 27°11 | 2°44 | 0°50 | 25°44 | 28°38 | 0°12 | 6° 6 | 5°50 | 27°11 | 12°30 |
| M22 | 2 37 43 | 7°49'59 | 20°55 | 17°46 | 5°35 | 27°49 | 2°45 | 0°49 | 25°47 | 28°40 | 0°13 | 6° 6 | 5°47 | 27°17 | 12°36 |
| T23 | 2 41 40 | 8°50'17 | 2 ^h 54 ^m | 19°18 | 6°51 | 28°26 | 2°45 | 0°49 | 25°50 | 28°43 | 0°14 | 6° 6 | 5°44 | 27°24 | 12°42 |
| W24 | 2 45 36 | 9°50'37 | 15° 5 | 20°50 | 8° 6 | 29° 4 | 2°46 | 0°49 | 25°53 | 28°45 | 0°15 | 6°D 6 | 5°41 | 27°31 | 12°48 |
| T25 | 2 49 33 | 10°50'59 | 27°31 | 22°21 | 9°21 | 29°41 | 2°47 | 0°48 | 25°56 | 28°47 | 0°16 | 6° 6 | 5°38 | 27°37 | 12°54 |
| F26 | 2 53 29 | 11°51'23 | 10 ^h 18 ^m | 23°53 | 10°37 | 0 ^h 19 ^m | 2°48 | 0°D48 | 25°59 | 28°49 | 0°17 | 6° 7 | 5°35 | 27°44 | 13° 1 |
| S27 | 2 57 26 | 12°51'49 | 23°28 | 25°23 | 11°52 | 0°56 | 2°50 | 0°48 | 26° 2 | 28°52 | 0°18 | 6° 7 | 5°31 | 27°51 | 13° 7 |
| S28 | 3 1 22 | 13°52'16 | 7 ^h 3 ^m | 26°54 | 13° 8 | 1°33 | 2°51 | 0°49 | 26° 5 | 28°54 | 0°18 | 6° 8 | 5°28 | 27°57 | 13°13 |
| M29 | 3 5 19 | 14°52'46 | 21° 4 | 28°24 | 14°23 | 2°11 | 2°53 | 0°49 | 26° 8 | 28°56 | 0°19 | 6° 9 | 5°25 | 28° 4 | 13°19 |
| T30 | 3 9 16 | 15°53'17 | 5 ^h 28 ^m | 29°54 | 15°38 | 2°48 | 2°55 | 0°49 | 26°11 | 28°58 | 0°20 | 6°R 9 | 5°22 | 28°11 | 13°26 |
| W31 | 3 13 12 | 16 ^h 53'50 ^s | 20 ^h 10 ^m | 1 ^h 23 ^m | 16 ^h 54 ^m | 3 ^h 25 ^m | 2 ^h 57 ^m | 0 ^h 50 ^m | 26 ^h 13 ^m | 29 ^h 0 ^m | 0 ^h 21 ^m | 6 ^h 9 ^m | 5 ^h 19 ^m | 28 ^h 18 ^m | 13 ^h 32 ^m |

Delta T = 233.01 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1464

NOVEMBER 1464 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|------|-------|-------|
| T 1 | 3 17 9 | 17♌54'24 | 5♄3 | 2♂52 | 18♌9 | 4♂3 | 3♄0 | 0♂50 | 26♎16 | 29♏2 | 0♎21 | 6°R 8 | 5♄15 | 28♏24 | 13♄38 |
| F 2 | 3 21 5 | 18°55'01 | 20° 0 | 4°21 | 19°25 | 4°40 | 3° 2 | 0°51 | 26°19 | 29° 5 | 0°22 | 6°R 6 | 5°12 | 28°31 | 13°45 |
| S 3 | 3 25 2 | 19°55'38 | 4♄53 | 5°49 | 20°40 | 5°17 | 3° 5 | 0°52 | 26°21 | 29° 7 | 0°23 | 6° 5 | 5° 9 | 28°38 | 13°51 |
| S 4 | 3 28 58 | 20°56'17 | 19°33 | 7°17 | 21°56 | 5°54 | 3° 8 | 0°53 | 26°24 | 29° 9 | 0°23 | 6° 3 | 5° 6 | 28°44 | 13°57 |
| M 5 | 3 32 55 | 21°56'56 | 3♄55 | 8°44 | 23°11 | 6°32 | 3°11 | 0°54 | 26°26 | 29°11 | 0°24 | 6° 2 | 5° 3 | 28°51 | 14° 4 |
| T 6 | 3 36 51 | 22°57'37 | 17°58 | 10°11 | 24°27 | 7° 9 | 3°15 | 0°55 | 26°29 | 29°13 | 0°25 | 6°D 1 | 5° 0 | 28°58 | 14°10 |
| W 7 | 3 40 48 | 23°58'19 | 1♂39 | 11°36 | 25°42 | 7°46 | 3°18 | 0°56 | 26°31 | 29°15 | 0°25 | 6° 1 | 4°56 | 29° 4 | 14°17 |
| T 8 | 3 44 45 | 24°59'02 | 15° 0 | 13° 2 | 26°57 | 8°23 | 3°22 | 0°57 | 26°34 | 29°17 | 0°26 | 6° 2 | 4°53 | 29°11 | 14°23 |
| F 9 | 3 48 41 | 25°59'46 | 28° 2 | 14°26 | 28°13 | 9° 0 | 3°26 | 0°59 | 26°36 | 29°19 | 0°26 | 6° 3 | 4°50 | 29°18 | 14°30 |
| S 10 | 3 52 38 | 27° 0'31 | 10♏47 | 15°49 | 29°28 | 9°38 | 3°30 | 1° 0 | 26°38 | 29°21 | 0°26 | 6° 5 | 4°47 | 29°25 | 14°37 |
| S 11 | 3 56 34 | 28° 1'17 | 23°19 | 17°12 | 0♂44 | 10°15 | 3°35 | 1° 2 | 26°41 | 29°23 | 0°27 | 6° 6 | 4°44 | 29°31 | 14°43 |
| M12 | 4 0 31 | 29° 2'05 | 5♄40 | 18°33 | 1°59 | 10°52 | 3°39 | 1° 4 | 26°43 | 29°25 | 0°27 | 6°R 7 | 4°41 | 29°38 | 14°50 |
| T 13 | 4 4 27 | 0♂2'53 | 17°51 | 19°52 | 3°15 | 11°29 | 3°44 | 1° 5 | 26°45 | 29°27 | 0°28 | 6° 6 | 4°37 | 29°45 | 14°56 |
| W14 | 4 8 24 | 1° 3'43 | 29°55 | 21°10 | 4°30 | 12° 6 | 3°49 | 1° 7 | 26°47 | 29°29 | 0°28 | 6° 4 | 4°34 | 29°51 | 15° 3 |
| T 15 | 4 12 20 | 2° 4'33 | 11♏53 | 22°26 | 5°45 | 12°43 | 3°54 | 1° 9 | 26°49 | 29°31 | 0°28 | 6° 1 | 4°31 | 29°58 | 15°10 |
| F 16 | 4 16 17 | 3° 5'25 | 23°46 | 23°40 | 7° 1 | 13°20 | 3°59 | 1°12 | 26°51 | 29°33 | 0°28 | 5°57 | 4°28 | 0♄5 | 15°16 |
| S 17 | 4 20 14 | 4° 6'19 | 5♄37 | 24°51 | 8°16 | 13°57 | 4° 5 | 1°14 | 26°53 | 29°35 | 0°29 | 5°51 | 4°25 | 0°11 | 15°23 |
| S 18 | 4 24 10 | 5° 7'13 | 17°27 | 26° 0 | 9°32 | 14°34 | 4°10 | 1°16 | 26°55 | 29°37 | 0°29 | 5°46 | 4°21 | 0°18 | 15°30 |
| M19 | 4 28 7 | 6° 8'09 | 29°21 | 27° 5 | 10°47 | 15°11 | 4°16 | 1°19 | 26°57 | 29°39 | 0°29 | 5°41 | 4°18 | 0°25 | 15°37 |
| T 20 | 4 32 3 | 7° 9'05 | 11♏19 | 28° 6 | 12° 3 | 15°48 | 4°22 | 1°21 | 26°59 | 29°41 | 0°29 | 5°37 | 4°15 | 0°31 | 15°43 |
| W21 | 4 36 0 | 8°10'03 | 23°27 | 29° 3 | 13°18 | 16°25 | 4°28 | 1°24 | 27° 1 | 29°43 | 0°29 | 5°34 | 4°12 | 0°38 | 15°50 |
| T 22 | 4 39 56 | 9°11'03 | 5♎49 | 29°55 | 14°34 | 17° 2 | 4°35 | 1°27 | 27° 3 | 29°45 | 0°29 | 5°D33 | 4° 9 | 0°45 | 15°57 |
| F 23 | 4 43 53 | 10°12'03 | 18°29 | 0♄41 | 15°49 | 17°39 | 4°41 | 1°29 | 27° 4 | 29°46 | 0°R29 | 5°33 | 4° 6 | 0°52 | 16° 3 |
| S 24 | 4 47 49 | 11°13'04 | 1♄30 | 1°20 | 17° 4 | 18°16 | 4°48 | 1°32 | 27° 6 | 29°48 | 0°29 | 5°35 | 4° 2 | 0°58 | 16°10 |
| S 25 | 4 51 46 | 12°14'07 | 14°58 | 1°53 | 18°20 | 18°53 | 4°55 | 1°35 | 27° 8 | 29°50 | 0°29 | 5°36 | 3°59 | 1° 5 | 16°17 |
| M26 | 4 55 43 | 13°15'11 | 28°54 | 2°17 | 19°35 | 19°30 | 5° 2 | 1°38 | 27° 9 | 29°52 | 0°29 | 5°R37 | 3°56 | 1°12 | 16°24 |
| T 27 | 4 59 39 | 14°16'15 | 13♌17 | 2°31 | 20°51 | 20° 7 | 5° 9 | 1°42 | 27°11 | 29°54 | 0°29 | 5°37 | 3°53 | 1°18 | 16°31 |
| W28 | 5 3 36 | 15°17'21 | 28° 5 | 2°R36 | 22° 6 | 20°44 | 5°16 | 1°45 | 27°12 | 29°55 | 0°29 | 5°35 | 3°50 | 1°25 | 16°37 |
| T 29 | 5 7 32 | 16°18'27 | 13♄12 | 2°31 | 23°22 | 21°20 | 5°24 | 1°48 | 27°14 | 29°57 | 0°29 | 5°32 | 3°47 | 1°32 | 16°44 |
| F 30 | 5 11 29 | 17♄19'35 | 28♄27 | 2♄14 | 24♄37 | 21♄57 | 5♄31 | 1♄52 | 27♎15 | 29♏59 | 0♎29 | 5♄26 | 3♄43 | 1♄39 | 16♄51 |

Delta T = 232.91 sec. Julian Calendar 1 Nov. 1464 == Greg. Calendar 10 Nov. 1464

DECEMBER 1464 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|-------|-------|------|--------|------|-------|-------|------|------|-------|
| S 1 | 5 15 25 | 18♄20'42 | 13♄42 | 1°R45 | 25♄52 | 22♄34 | 5♄39 | 1♄55 | 27♎16 | 0♌0 | 0°R28 | 5°R19 | 3♄40 | 1♄45 | 16♄58 |
| S 2 | 5 19 22 | 19°21'51 | 28°44 | 1♄4 | 27° 8 | 23°11 | 5°47 | 1°59 | 27°18 | 0° 2 | 0♎28 | 5♄12 | 3°37 | 1°52 | 17° 4 |
| M 3 | 5 23 19 | 20°22'59 | 13♄26 | 0°13 | 28°23 | 23°47 | 5°55 | 2° 3 | 27°19 | 0° 4 | 0°28 | 5° 6 | 3°34 | 1°59 | 17°11 |
| T 4 | 5 27 15 | 21°24'08 | 27°42 | 29♄11 | 29°39 | 24°24 | 6° 4 | 2° 7 | 27°20 | 0° 5 | 0°27 | 5° 2 | 3°31 | 2° 5 | 17°18 |
| W 5 | 5 31 12 | 22°25'17 | 11♄30 | 28° 1 | 0♄54 | 25° 1 | 6°12 | 2°11 | 27°21 | 0° 7 | 0°27 | 4°59 | 3°27 | 2°12 | 17°25 |
| T 6 | 5 35 8 | 23°26'25 | 24°51 | 26°44 | 2°10 | 25°37 | 6°20 | 2°15 | 27°22 | 0° 8 | 0°27 | 4°D59 | 3°24 | 2°19 | 17°31 |
| F 7 | 5 39 5 | 24°27'34 | 7♏48 | 25°23 | 3°25 | 26°14 | 6°29 | 2°19 | 27°23 | 0°10 | 0°26 | 4°59 | 3°21 | 2°25 | 17°38 |
| S 8 | 5 43 1 | 25°28'43 | 20°24 | 24° 1 | 4°40 | 26°50 | 6°38 | 2°23 | 27°24 | 0°11 | 0°26 | 5° 1 | 3°18 | 2°32 | 17°45 |
| S 9 | 5 46 58 | 26°29'53 | 2♄44 | 22°39 | 5°56 | 27°27 | 6°47 | 2°27 | 27°25 | 0°13 | 0°25 | 5°R 1 | 3°15 | 2°39 | 17°51 |
| M10 | 5 50 54 | 27°31'02 | 14°52 | 21°22 | 7°11 | 28° 4 | 6°56 | 2°32 | 27°25 | 0°14 | 0°25 | 5° 1 | 3°12 | 2°46 | 17°58 |
| T 11 | 5 54 51 | 28°32'11 | 26°52 | 20°11 | 8°27 | 28°40 | 7° 5 | 2°36 | 27°26 | 0°15 | 0°24 | 4°58 | 3° 8 | 2°52 | 18° 5 |
| W12 | 5 58 48 | 29°33'20 | 8♏47 | 19° 8 | 9°42 | 29°16 | 7°15 | 2°41 | 27°27 | 0°17 | 0°24 | 4°53 | 3° 5 | 2°59 | 18°11 |
| T 13 | 6 2 44 | 0♄34'30 | 20°39 | 18°15 | 10°57 | 29°53 | 7°24 | 2°45 | 27°27 | 0°18 | 0°23 | 4°45 | 3° 2 | 3° 6 | 18°18 |
| F 14 | 6 6 41 | 1°35'40 | 2♄31 | 17°31 | 12°13 | 0♌29 | 7°34 | 2°50 | 27°28 | 0°19 | 0°23 | 4°35 | 2°59 | 3°12 | 18°25 |
| S 15 | 6 10 37 | 2°36'49 | 14°22 | 16°58 | 13°28 | 1° 6 | 7°44 | 2°55 | 27°29 | 0°21 | 0°22 | 4°24 | 2°56 | 3°19 | 18°31 |
| S 16 | 6 14 34 | 3°37'59 | 26°16 | 16°35 | 14°43 | 1°42 | 7°53 | 2°59 | 27°29 | 0°22 | 0°21 | 4°11 | 2°53 | 3°26 | 18°38 |
| M17 | 6 18 30 | 4°39'09 | 8♏14 | 16°22 | 15°59 | 2°18 | 8° 3 | 3° 4 | 27°29 | 0°23 | 0°21 | 4° 0 | 2°49 | 3°32 | 18°45 |
| T 18 | 6 22 27 | 5°40'19 | 20°17 | 16°D19 | 17°14 | 2°55 | 8°14 | 3° 9 | 27°30 | 0°24 | 0°20 | 3°50 | 2°46 | 3°39 | 18°51 |
| W19 | 6 26 23 | 6°41'29 | 2♎28 | 16°25 | 18°29 | 3°31 | 8°24 | 3°14 | 27°30 | 0°26 | 0°19 | 3°42 | 2°43 | 3°46 | 18°58 |
| T 20 | 6 30 20 | 7°42'39 | 14°50 | 16°39 | 19°45 | 4° 7 | 8°34 | 3°20 | 27°30 | 0°27 | 0°18 | 3°36 | 2°40 | 3°53 | 19° 4 |
| F 21 | 6 34 17 | 8°43'49 | 27°26 | 17° 1 | 21° 0 | 4°43 | 8°45 | 3°25 | 27°30 | 0°28 | 0°17 | 3°34 | 2°37 | 3°59 | 19°11 |
| S 22 | 6 38 13 | 9°44'59 | 10♄21 | 17°29 | 22°15 | 5°19 | 8°55 | 3°30 | 27°31 | 0°29 | 0°17 | 3°D33 | 2°33 | 4° 6 | 19°17 |
| S 23 | 6 42 10 | 10°46'10 | 23°38 | 18° 4 | 23°30 | 5°56 | 9° 6 | 3°35 | 27°31 | 0°30 | 0°16 | 3°34 | 2°30 | 4°13 | 19°23 |
| M24 | 6 46 6 | 11°47'20 | 7♌21 | 18°44 | 24°46 | 6°32 | 9°17 | 3°41 | 27°R31 | 0°31 | 0°15 | 3°R34 | 2°27 | 4°19 | 19°30 |
| T 25 | 6 50 3 | 12°48'31 | 21°31 | 19°29 | 26° 1 | 7° 8 | 9°28 | 3°46 | 27°31 | 0°32 | 0°14 | 3°32 | 2°24 | 4°26 | 19°36 |
| W26 | 6 53 59 | 13°49'41 | 6♄9 | 20°19 | 27°16 | 7°44 | 9°39 | 3°52 | 27°30 | 0°33 | 0°13 | 3°29 | 2°21 | 4°33 | 19°43 |
| T 27 | 6 57 56 | 14°50'52 | 21° 9 | 21°12 | 28°31 | 8°20 | 9°50 | 3°57 | 27°30 | 0°34 | 0°12 | 3°22 | 2°18 | 4°40 | 19°49 |
| F 28 | 7 1 52 | 15°52'02 | 6♄24 | 22°10 | 29°47 | 8°56 | 10° 1 | 4° 3 | 27°30 | 0°35 | 0°11 | 3°13 | 2°14 | 4°46 | 19°55 |
| S 29 | 7 5 49 | 16°53'12 | 21°44 | 23°10 | 1♄2 | 9°31 | 10°12 | 4° 9 | 27°30 | 0°35 | 0°10 | 3° 2 | 2°11 | 4°53 | 20° 1 |
| S 30 | 7 9 46 | 17°54'21 | 6♄57 | 24°13 | 2°17 | 10° 7 | 10°24 | 4°15 | 27°29 | 0°36 | 0° 9 | 2°51 | 2° 8 | 5° 0 | 20° 8 |
| M31 | 7 13 42 | 18°55'29 | 21♄52 | 25♄19 | 3♄32 | 10♌43 | 10♄35 | 4♄21 | 27♎29 | 0♌37 | 0♎8 | 2♄41 | 2♄5 | 5♄6 | 20♄14 |

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