

SWISS EPHEMERIS for the year 1440

JANUARY 1440 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♁ | ♃ | ♄ |
|------|---------|----------|--------|-------|--------|---------|-------|--------|--------|-------|--------|-------|-------|--------|--------|
| F 1 | 7 13 55 | 18♌59'54 | 26♋ 4 | 6♌15 | 21♋45 | 19♌R 7 | 4♋26 | 28♌♃36 | 28♌R44 | 5♌R51 | 18♌R54 | 4♌R14 | 5♌♃37 | 7♌♃56 | 12♌♃52 |
| S 2 | 7 17 52 | 20° 1'02 | 9♌♃30 | 7°47 | 21°53 | 18♌II55 | 4°40 | 28°37 | 28♌♃43 | 5♌♃50 | 18♌♃52 | 4♌♃7 | 5°33 | 8° 3 | 12°53 |
| S 3 | 7 21 49 | 21° 2'09 | 23°22 | 9°21 | 21°59 | 18°44 | 4°54 | 28°38 | 28°42 | 5°49 | 18°51 | 4° 0 | 5°30 | 8°10 | 12°54 |
| M 4 | 7 25 45 | 22° 3'15 | 7♌♃38 | 10°54 | 22° 2 | 18°34 | 5° 8 | 28°39 | 28°40 | 5°48 | 18°50 | 3°53 | 5°27 | 8°16 | 12°55 |
| T 5 | 7 29 42 | 23° 4'21 | 22°14 | 12°29 | 22°R 3 | 18°24 | 5°22 | 28°41 | 28°39 | 5°47 | 18°48 | 3°47 | 5°24 | 8°23 | 12°56 |
| W 6 | 7 33 38 | 24° 5'27 | 7♌ 2 | 14° 4 | 22° 2 | 18°16 | 5°37 | 28°42 | 28°38 | 5°46 | 18°47 | 3°42 | 5°21 | 8°29 | 12°57 |
| T 7 | 7 37 35 | 25° 6'31 | 21°54 | 15°39 | 21°58 | 18° 8 | 5°51 | 28°44 | 28°37 | 5°45 | 18°46 | 3°40 | 5°17 | 8°36 | 12°59 |
| F 8 | 7 41 31 | 26° 7'34 | 6♌♃42 | 17°15 | 21°52 | 18° 1 | 6° 5 | 28°46 | 28°36 | 5°44 | 18°45 | 3°D39 | 5°14 | 8°43 | 13° 0 |
| S 9 | 7 45 28 | 27° 8'37 | 21°20 | 18°52 | 21°43 | 17°55 | 6°19 | 28°48 | 28°35 | 5°42 | 18°43 | 3°40 | 5°11 | 8°49 | 13° 1 |
| S 10 | 7 49 25 | 28° 9'38 | 5♌♃43 | 20°29 | 21°31 | 17°50 | 6°34 | 28°50 | 28°34 | 5°41 | 18°42 | 3°42 | 5° 8 | 8°56 | 13° 3 |
| M11 | 7 53 21 | 29°10'38 | 19°50 | 22° 7 | 21°17 | 17°46 | 6°48 | 28°52 | 28°33 | 5°40 | 18°41 | 3°43 | 5° 5 | 9° 3 | 13° 4 |
| T 12 | 7 57 18 | 0♋11'36 | 3♌♃38 | 23°46 | 21° 1 | 17°42 | 7° 2 | 28°54 | 28°32 | 5°39 | 18°39 | 3°R43 | 5° 2 | 9° 9 | 13° 6 |
| W13 | 8 1 14 | 1°12'34 | 17° 9 | 25°25 | 20°42 | 17°40 | 7°16 | 28°56 | 28°31 | 5°37 | 18°38 | 3°42 | 4°58 | 9°16 | 13° 7 |
| T 14 | 8 5 11 | 2°13'30 | 0♌II24 | 27° 5 | 20°20 | 17°38 | 7°31 | 28°59 | 28°31 | 5°36 | 18°37 | 3°39 | 4°55 | 9°23 | 13° 9 |
| F 15 | 8 9 7 | 3°14'25 | 13°23 | 28°46 | 19°57 | 17°36 | 7°45 | 29° 1 | 28°30 | 5°35 | 18°35 | 3°35 | 4°52 | 9°29 | 13°11 |
| S 16 | 8 13 4 | 4°15'18 | 26° 9 | 0♋27 | 19°31 | 17°D36 | 7°59 | 29° 4 | 28°29 | 5°33 | 18°34 | 3°30 | 4°49 | 9°36 | 13°13 |
| S 17 | 8 17 0 | 5°16'10 | 8♌♃42 | 2° 9 | 19° 3 | 17°36 | 8°14 | 29° 7 | 28°29 | 5°32 | 18°33 | 3°25 | 4°46 | 9°43 | 13°14 |
| M18 | 8 20 57 | 6°17'01 | 21° 4 | 3°52 | 18°33 | 17°37 | 8°28 | 29°10 | 28°28 | 5°31 | 18°32 | 3°20 | 4°43 | 9°49 | 13°16 |
| T 19 | 8 24 54 | 7°17'51 | 3♌♃16 | 5°35 | 18° 2 | 17°39 | 8°42 | 29°13 | 28°28 | 5°29 | 18°30 | 3°17 | 4°39 | 9°56 | 13°18 |
| W20 | 8 28 50 | 8°18'40 | 15°18 | 7°20 | 17°29 | 17°42 | 8°56 | 29°16 | 28°27 | 5°28 | 18°29 | 3°14 | 4°36 | 10° 3 | 13°20 |
| T 21 | 8 32 47 | 9°19'27 | 27°13 | 9° 5 | 16°54 | 17°45 | 9°11 | 29°19 | 28°27 | 5°26 | 18°28 | 3°13 | 4°33 | 10° 9 | 13°22 |
| F 22 | 8 36 43 | 10°20'13 | 9♌♃3 | 10°50 | 16°19 | 17°49 | 9°25 | 29°22 | 28°26 | 5°25 | 18°27 | 3°D13 | 4°30 | 10°16 | 13°24 |
| S 23 | 8 40 40 | 11°20'58 | 20°50 | 12°37 | 15°43 | 17°53 | 9°39 | 29°25 | 28°26 | 5°23 | 18°26 | 3°14 | 4°27 | 10°22 | 13°26 |
| S 24 | 8 44 36 | 12°21'42 | 2♌♃38 | 14°24 | 15° 6 | 17°59 | 9°54 | 29°29 | 28°26 | 5°22 | 18°24 | 3°15 | 4°23 | 10°29 | 13°29 |
| M25 | 8 48 33 | 13°22'24 | 14°30 | 16°12 | 14°28 | 18° 5 | 10° 8 | 29°32 | 28°26 | 5°20 | 18°23 | 3°17 | 4°20 | 10°36 | 13°31 |
| T 26 | 8 52 29 | 14°23'05 | 26°31 | 18° 1 | 13°51 | 18°11 | 10°22 | 29°36 | 28°26 | 5°19 | 18°22 | 3°18 | 4°17 | 10°42 | 13°33 |
| W27 | 8 56 26 | 15°23'46 | 8♌♃45 | 19°50 | 13°14 | 18°19 | 10°37 | 29°40 | 28°25 | 5°17 | 18°21 | 3°19 | 4°14 | 10°49 | 13°35 |
| T 28 | 9 0 23 | 16°24'25 | 21°16 | 21°39 | 12°37 | 18°26 | 10°51 | 29°44 | 28°D25 | 5°16 | 18°20 | 3°R19 | 4°11 | 10°56 | 13°38 |
| F 29 | 9 4 19 | 17°25'03 | 4♌♃10 | 23°30 | 12° 1 | 18°35 | 11° 5 | 29°47 | 28°25 | 5°14 | 18°19 | 3°19 | 4° 8 | 11° 2 | 13°40 |
| S 30 | 9 8 16 | 18°25'40 | 17°30 | 25°20 | 11°25 | 18°44 | 11°20 | 29°52 | 28°26 | 5°13 | 18°17 | 3°17 | 4° 4 | 11° 9 | 13°42 |
| S 31 | 9 12 12 | 19°26'15 | 1♌♃17 | 27°11 | 10°51 | 18°II54 | 11°34 | 29°♃56 | 28♌♃26 | 5♌♃11 | 18♌♃16 | 3♌♃16 | 4♌♃1 | 11♌♃16 | 13°♃45 |

| Day | ☉ | | | ☽ | | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ♁ | | ♂ | | ♁ | | ♃ | | ♄ | | | | | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|------|------|------|-----|------|-----|------|-----|--|--|--|--|--|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | |
| F 1 | 22s10 | 14s22 | 5n 6 | 24s26 | 1s 5 | 11s45 | 2n41 | 26n29 | 3n26 | 19s48 | 0s36 | 8n42 | 2s28 | 19n48 | 0s 8 | 10n14 | 0n54 | 24n 6 | 1n57 | 9n59 | 9n29 | 8n49 | 6n 8 | 1n 7 | | | | | | | | | | |
| S 2 | 22 1 | 16 52 | 5 8 | 24 27 | 1 10 | 11 29 | 2 55 | 26 28 | 3 26 | 19 44 | 0 36 | 8 42 | 2 28 | 19 48 | 0 8 | 10 14 | 0 54 | 24 6 | 1 57 | 10 2 | 9 30 | 8 47 | 6 8 | 1 7 | | | | | | | | | | |
| S 3 | 21 52 | 18 29 | 4 52 | 24 26 | 1 16 | 11 14 | 3 9 | 26 27 | 3 26 | 19 41 | 0 36 | 8 43 | 2 28 | 19 47 | 0 8 | 10 14 | 0 54 | 24 6 | 1 57 | 10 2 | 9 31 | 8 45 | 6 8 | 1 7 | | | | | | | | | | |
| M 4 | 21 42 | 19 0 | 4 18 | 24 24 | 1 21 | 11 0 | 3 23 | 26 26 | 3 25 | 19 38 | 0 37 | 8 44 | 2 27 | 19 47 | 0 8 | 10 15 | 0 54 | 24 6 | 1 57 | 10 7 | 9 32 | 8 44 | 6 9 | 1 7 | | | | | | | | | | |
| T 5 | 21 32 | 18 17 | 3 26 | 24 21 | 1 26 | 10 46 | 3 38 | 26 24 | 3 25 | 19 34 | 0 37 | 8 45 | 2 27 | 19 47 | 0 8 | 10 15 | 0 54 | 24 7 | 1 57 | 10 9 | 9 34 | 8 42 | 6 9 | 1 7 | | | | | | | | | | |
| W 6 | 21 21 | 16 19 | 2 20 | 24 16 | 1 31 | 10 33 | 3 52 | 26 23 | 3 24 | 19 31 | 0 37 | 8 46 | 2 27 | 19 47 | 0 8 | 10 16 | 0 54 | 24 7 | 1 57 | 10 11 | 9 35 | 8 40 | 6 9 | 1 7 | | | | | | | | | | |
| T 7 | 21 10 | 13 15 | 1 4 | 24 10 | 1 35 | 10 20 | 4 7 | 26 22 | 3 24 | 19 28 | 0 37 | 8 46 | 2 27 | 19 46 | 0 8 | 10 16 | 0 54 | 24 7 | 1 57 | 10 12 | 9 36 | 8 39 | 6 10 | 1 7 | | | | | | | | | | |
| F 8 | 20 59 | 9 20 | 0s17 | 24 2 | 1 39 | 10 8 | 4 21 | 26 21 | 3 23 | 19 24 | 0 37 | 8 47 | 2 26 | 19 46 | 0 8 | 10 17 | 0 54 | 24 7 | 1 57 | 10 12 | 9 37 | 8 37 | 6 10 | 1 6 | | | | | | | | | | |
| S 9 | 20 48 | 4 54 | 1 35 | 23 53 | 1 43 | 9 57 | 4 36 | 26 19 | 3 23 | 19 21 | 0 37 | 8 48 | 2 26 | 19 46 | 0 8 | 10 17 | 0 54 | 24 8 | 1 57 | 10 12 | 9 38 | 8 35 | 6 10 | 1 6 | | | | | | | | | | |
| S 10 | 20 35 | 0 16 | 2 46 | 23 42 | 1 47 | 9 47 | 4 51 | 26 18 | 3 22 | 19 17 | 0 37 | 8 49 | 2 26 | 19 46 | 0 8 | 10 18 | 0 54 | 24 8 | 1 57 | 10 11 | 9 39 | 8 34 | 6 11 | 1 6 | | | | | | | | | | |
| M11 | 20 23 | 4n17 | 3 46 | 23 30 | 1 50 | 9 37 | 5 5 | 26 17 | 3 21 | 19 14 | 0 37 | 8 50 | 2 25 | 19 46 | 0 8 | 10 18 | 0 54 | 24 8 | 1 57 | 10 11 | 9 41 | 8 32 | 6 11 | 1 6 | | | | | | | | | | |
| T 12 | 20 10 | 8 31 | 4 31 | 23 16 | 1 53 | 9 29 | 5 20 | 26 16 | 3 21 | 19 10 | 0 37 | 8 51 | 2 25 | 19 45 | 0 8 | 10 19 | 0 54 | 24 8 | 1 57 | 10 10 | 9 42 | 8 30 | 6 12 | 1 6 | | | | | | | | | | |
| W13 | 19 57 | 12 12 | 5 0 | 23 1 | 1 56 | 9 21 | 5 34 | 26 15 | 3 20 | 19 6 | 0 37 | 8 52 | 2 25 | 19 45 | 0 8 | 10 19 | 0 54 | 24 9 | 1 57 | 10 11 | 9 43 | 8 29 | 6 12 | 1 6 | | | | | | | | | | |
| T 14 | 19 43 | 15 12 | 5 12 | 22 44 | 1 58 | 9 14 | 5 49 | 26 14 | 3 19 | 19 3 | 0 37 | 8 54 | 2 24 | 19 45 | 0 8 | 10 20 | 0 54 | 24 9 | 1 57 | 10 12 | 9 44 | 8 27 | 6 13 | 1 6 | | | | | | | | | | |
| F 15 | 19 29 | 17 22 | 5 8 | 22 26 | 2 0 | 9 8 | 6 2 | 26 13 | 3 18 | 18 59 | 0 37 | 8 55 | 2 24 | 19 45 | 0 8 | 10 20 | 0 54 | 24 9 | 1 57 | 10 13 | 9 45 | 8 25 | 6 13 | 1 5 | | | | | | | | | | |
| S 16 | 19 15 | 18 38 | 4 49 | 22 6 | 2 2 | 9 3 | 6 16 | 26 12 | 3 17 | 18 56 | 0 37 | 8 56 | 2 24 | 19 45 | 0 8 | 10 21 | 0 54 | 24 9 | 1 57 | 10 15 | 9 46 | 8 23 | 6 14 | 1 5 | | | | | | | | | | |
| S 17 | 19 0 | 18 58 | 4 16 | 21 44 | 2 3 | 8 59 | 6 29 | 26 12 | 3 17 | 18 52 | 0 37 | 8 57 | 2 24 | 19 45 | 0 8 | 10 21 | 0 54 | 24 10 | 1 57 | 10 17 | 9 48 | 8 22 | 6 15 | 1 5 | | | | | | | | | | |
| M18 | 18 45 | 18 22 | 3 31 | 21 21 | 2 4 | 8 56 | 6 42 | 26 11 | 3 16 | 18 48 | 0 38 | 8 58 | 2 23 | 19 45 | 0 8 | 10 22 | 0 54 | 24 10 | 1 58 | 10 19 | 9 49 | 8 20 | 6 15 | 1 5 | | | | | | | | | | |
| T 19 | 18 30 | 16 56 | 2 37 | 20 56 | 2 4 | 8 54 | 6 54 | 26 10 | 3 15 | 18 45 | 0 38 | 9 0 | 2 23 | 19 45 | 0 8 | 10 22 | 0 55 | 24 10 | 1 58 | 10 20 | 9 50 | 8 18 | 6 16 | 1 5 | | | | | | | | | | |
| W20 | 18 14 | 14 45 | 1 37 | 20 30 | 2 4 | 8 53 | 7 6 | 26 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1440

FEBRUARY 1440 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|---------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|------------------|-----------------|-----------------|------------------|------------------|
| M 1 | 9 16 9 | 20 ²⁶ 49 | 15 ³¹ | 29 ² | 10 ¹⁹ | 19 ⁴ | 11 ⁴⁸ | 29 ⁵⁹ | 28 ²⁶ | 5 ⁹ | 18 ¹⁵ | 3 ¹⁴ | 3 ⁵⁸ | 11 ²² | 13 ⁴⁷ |
| T 2 | 9 20 5 | 21 ²⁷ 22 | 0 ⁹ | 0 ⁵³ | 9 ⁴⁷ | 19 ¹⁵ | 12 ² | 0 ⁴ | 28 ²⁶ | 5 ⁸ | 18 ¹⁴ | 3 ¹² | 3 ⁵⁵ | 11 ²⁹ | 13 ⁵⁰ |
| W 3 | 9 24 2 | 22 ²⁷ 54 | 15 ⁶ | 2 ⁴⁴ | 9 ¹⁸ | 19 ²⁷ | 12 ¹⁷ | 0 ⁸ | 28 ²⁶ | 5 ⁶ | 18 ¹³ | 3 ¹¹ | 3 ⁵² | 11 ³⁶ | 13 ⁵³ |
| T 4 | 9 27 58 | 23 ²⁸ 23 | 0 ¹⁴ | 4 ³⁴ | 8 ⁵⁰ | 19 ³⁹ | 12 ³¹ | 0 ¹³ | 28 ²⁷ | 5 ⁴ | 18 ¹² | 3 ¹¹ | 3 ⁴⁸ | 11 ⁴² | 13 ⁵⁵ |
| F 5 | 9 31 55 | 24 ²⁸ 51 | 15 ²³ | 6 ²³ | 8 ²⁵ | 19 ⁵¹ | 12 ⁴⁵ | 0 ¹⁸ | 28 ²⁷ | 5 ³ | 18 ¹¹ | 3 ¹¹ | 3 ⁴⁵ | 11 ⁴⁹ | 13 ⁵⁸ |
| S 6 | 9 35 52 | 25 ²⁹ 18 | 0 ²³ | 8 ¹² | 8 ¹ | 20 ⁴ | 12 ⁵⁹ | 0 ²² | 28 ²⁸ | 5 ¹ | 18 ¹⁰ | 3 ¹² | 3 ⁴² | 11 ⁵⁵ | 14 ¹ |
| S 7 | 9 39 48 | 26 ²⁹ 42 | 15 ⁹ | 9 ⁵⁹ | 7 ⁴⁰ | 20 ¹⁸ | 13 ¹³ | 0 ²⁷ | 28 ²⁸ | 5 ⁰ | 18 ⁹ | 3 ¹² | 3 ³⁹ | 12 ² | 14 ³ |
| M 8 | 9 43 45 | 27 ³⁰ 04 | 29 ³³ | 11 ⁴⁴ | 7 ²¹ | 20 ³² | 13 ²⁷ | 0 ³² | 28 ²⁹ | 4 ⁵⁸ | 18 ⁸ | 3 ¹³ | 3 ³⁶ | 12 ⁹ | 14 ⁶ |
| T 9 | 9 47 41 | 28 ³⁰ 25 | 13 ³³ | 13 ²⁶ | 7 ⁴ | 20 ⁴⁷ | 13 ⁴² | 0 ³⁷ | 28 ²⁹ | 4 ⁵⁶ | 18 ⁷ | 3 ¹³ | 3 ³³ | 12 ¹⁵ | 14 ⁹ |
| W10 | 9 51 38 | 29 ³⁰ 43 | 27 ⁸ | 15 ⁶ | 6 ⁵⁰ | 21 ² | 13 ⁵⁶ | 0 ⁴² | 28 ³⁰ | 4 ⁵⁵ | 18 ⁶ | 3 ¹³ | 3 ²⁹ | 12 ²² | 14 ¹² |
| T 11 | 9 55 34 | 0 ³⁰ 59 | 10 ¹¹ | 16 ⁴³ | 6 ³⁸ | 21 ¹⁷ | 14 ¹⁰ | 0 ⁴⁷ | 28 ³¹ | 4 ⁵³ | 18 ⁵ | 3 ¹³ | 3 ²⁶ | 12 ²⁹ | 14 ¹⁵ |
| F 12 | 9 59 31 | 1 ³¹ 14 | 23 ¹² | 18 ¹⁶ | 6 ²⁹ | 21 ³³ | 14 ²⁴ | 0 ⁵² | 28 ³² | 4 ⁵¹ | 18 ⁴ | 3 ¹³ | 3 ²³ | 12 ³⁵ | 14 ¹⁸ |
| S 13 | 10 3 27 | 2 ³¹ 26 | 5 ⁴⁶ | 19 ⁴⁴ | 6 ²² | 21 ⁵⁰ | 14 ³⁸ | 0 ⁵⁷ | 28 ³² | 4 ⁵⁰ | 18 ³ | 3 ¹³ | 3 ²⁰ | 12 ⁴² | 14 ²¹ |
| S 14 | 10 7 24 | 3 ³¹ 36 | 18 ⁵ | 21 ⁷ | 6 ¹⁸ | 22 ⁷ | 14 ⁵² | 1 ² | 28 ³³ | 4 ⁴⁸ | 18 ² | 3 ¹³ | 3 ¹⁷ | 12 ⁴⁹ | 14 ²⁴ |
| M15 | 10 11 20 | 4 ³¹ 44 | 0 ¹³ | 22 ²⁵ | 6 ¹⁶ | 22 ²⁴ | 15 ⁶ | 1 ⁸ | 28 ³⁴ | 4 ⁴⁶ | 18 ² | 3 ¹³ | 3 ¹⁴ | 12 ⁵⁵ | 14 ²⁷ |
| T 16 | 10 15 17 | 5 ³¹ 50 | 12 ¹² | 23 ³⁶ | 6 ¹⁷ | 22 ⁴² | 15 ²⁰ | 1 ¹³ | 28 ³⁵ | 4 ⁴⁵ | 18 ¹ | 3 ¹³ | 3 ¹⁰ | 13 ² | 14 ³⁰ |
| W17 | 10 19 14 | 6 ³¹ 54 | 24 ⁵ | 24 ⁴⁰ | 6 ²⁰ | 23 ⁰ | 15 ³³ | 1 ¹⁸ | 28 ³⁶ | 4 ⁴³ | 18 ⁰ | 3 ¹³ | 3 ⁷ | 13 ⁹ | 14 ³³ |
| T 18 | 10 23 10 | 7 ³¹ 56 | 5 ¹⁴ | 25 ³⁷ | 6 ²⁵ | 23 ¹⁸ | 15 ⁴⁷ | 1 ²⁴ | 28 ³⁷ | 4 ⁴¹ | 17 ⁵⁹ | 3 ¹⁴ | 3 ⁴ | 13 ¹⁵ | 14 ³⁶ |
| F 19 | 10 27 7 | 8 ³¹ 56 | 17 ⁴² | 26 ²⁷ | 6 ³² | 23 ³⁷ | 16 ¹ | 1 ³⁰ | 28 ³⁸ | 4 ⁴⁰ | 17 ⁵⁸ | 3 ¹³ | 3 ¹ | 13 ²² | 14 ³⁹ |
| S 20 | 10 31 3 | 9 ³¹ 55 | 29 ³¹ | 27 ⁸ | 6 ⁴² | 23 ⁵⁷ | 16 ¹⁵ | 1 ³⁵ | 28 ⁴⁰ | 4 ³⁸ | 17 ⁵⁸ | 3 ¹³ | 2 ⁵⁸ | 13 ²⁹ | 14 ⁴³ |
| S 21 | 10 35 0 | 10 ³¹ 51 | 11 ²² | 27 ⁴¹ | 6 ⁵⁴ | 24 ¹⁶ | 16 ²⁹ | 1 ⁴¹ | 28 ⁴¹ | 4 ³⁶ | 17 ⁵⁷ | 3 ¹² | 2 ⁵⁴ | 13 ³⁵ | 14 ⁴⁶ |
| M22 | 10 38 56 | 11 ³¹ 46 | 23 ¹⁹ | 28 ⁵ | 7 ⁸ | 24 ³⁶ | 16 ⁴² | 1 ⁴⁷ | 28 ⁴² | 4 ³⁵ | 17 ⁵⁶ | 3 ¹¹ | 2 ⁵¹ | 13 ⁴² | 14 ⁴⁹ |
| T 23 | 10 42 53 | 12 ³¹ 39 | 5 ¹¹ | 28 ²⁰ | 7 ²⁵ | 24 ⁵⁷ | 16 ⁵⁶ | 1 ⁵³ | 28 ⁴³ | 4 ³³ | 17 ⁵⁵ | 3 ¹⁰ | 2 ⁴⁸ | 13 ⁴⁸ | 14 ⁵² |
| W24 | 10 46 49 | 13 ³¹ 30 | 17 ⁴¹ | 28 ²⁷ | 7 ⁴³ | 25 ¹⁷ | 17 ¹⁰ | 1 ⁵⁹ | 28 ⁴⁵ | 4 ³¹ | 17 ⁵⁵ | 3 ⁸ | 2 ⁴⁵ | 13 ⁵⁵ | 14 ⁵⁶ |
| T 25 | 10 50 46 | 14 ³¹ 19 | 0 ¹³ | 28 ²⁵ | 8 ³ | 25 ³⁸ | 17 ²³ | 2 ⁵ | 28 ⁴⁶ | 4 ³⁰ | 17 ⁵⁴ | 3 ⁷ | 2 ⁴² | 14 ² | 14 ⁵⁹ |
| F 26 | 10 54 43 | 15 ³¹ 07 | 13 ³ | 28 ¹⁴ | 8 ²⁵ | 26 ⁰ | 17 ³⁷ | 2 ¹¹ | 28 ⁴⁸ | 4 ²⁸ | 17 ⁵⁴ | 3 ⁷ | 2 ³⁹ | 14 ⁸ | 15 ² |
| S 27 | 10 58 39 | 16 ³⁰ 53 | 26 ¹⁵ | 27 ⁵⁵ | 8 ⁴⁸ | 26 ²¹ | 17 ⁵⁰ | 2 ¹⁷ | 28 ⁴⁹ | 4 ²⁶ | 17 ⁵³ | 3 ⁷ | 2 ³⁵ | 14 ¹⁵ | 15 ⁶ |
| S 28 | 11 2 36 | 17 ³⁰ 37 | 9 ⁵¹ | 27 ²⁹ | 9 ¹⁴ | 26 ⁴³ | 18 ⁴ | 2 ²³ | 28 ⁵¹ | 4 ²⁵ | 17 ⁵² | 3 ⁸ | 2 ³² | 14 ²² | 15 ⁹ |
| M29 | 11 6 32 | 18 ³⁰ 20 | 23 ⁵² | 26 ⁵⁶ | 9 ⁴¹ | 27 ¹¹ | 18 ¹⁷ | 2 ³⁰ | 28 ⁵³ | 4 ²³ | 17 ⁵² | 3 ⁹ | 2 ²⁹ | 14 ²⁸ | 15 ¹³ |

| Day | ☉ | | ☽ | | ♀ | | ♁ | | ♂ | | ♃ | | ♅ | | ♁ | | ♁ | | ♁ | | ♁ | | | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|-------|------|-------|------|-------|-------|------|------|------|
| | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | |
| M 1 | 14s43 | 18s43 | 3n55 | 13s10 | 1s25 | 9s41 | 8n20 | 26n 5 | 3n 2 | 17s55 | 0s39 | 9n20 | 2s19 | 19n44 | 0s 8 | 10n30 | 0n55 | 24n13 | 1n58 | 10n21 | 10n 5 | 7n56 | 6n26 | 1n 3 |
| T 2 | 14 24 | 17 21 | 2 53 | 12 24 | 1 17 | 9 48 | 8 20 | 26 5 | 3 1 | 17 51 | 0 39 | 9 21 | 2 19 | 19 44 | 0 8 | 10 30 | 0 55 | 24 13 | 1 58 | 10 22 | 10 6 | 7 54 | 6 27 | 1 3 |
| W 3 | 14 4 | 14 47 | 1 39 | 11 37 | 1 10 | 9 56 | 8 20 | 26 4 | 3 0 | 17 47 | 0 39 | 9 23 | 2 19 | 19 45 | 0 8 | 10 31 | 0 55 | 24 13 | 1 58 | 10 22 | 10 7 | 7 53 | 6 27 | 1 3 |
| T 4 | 13 44 | 11 10 | 0 16 | 10 49 | 1 1 | 10 5 | 8 18 | 26 4 | 2 59 | 17 44 | 0 39 | 9 25 | 2 19 | 19 45 | 0 8 | 10 32 | 0 55 | 24 13 | 1 58 | 10 22 | 10 8 | 7 51 | 6 28 | 1 3 |
| F 5 | 13 24 | 6 49 | 1s 7 | 10 0 | 0 52 | 10 13 | 8 16 | 26 4 | 2 58 | 17 40 | 0 39 | 9 27 | 2 18 | 19 45 | 0 8 | 10 32 | 0 55 | 24 13 | 1 58 | 10 22 | 10 10 | 7 49 | 6 29 | 1 3 |
| S 6 | 13 4 | 2 4 | 2 26 | 9 10 | 0 42 | 10 22 | 8 13 | 26 4 | 2 56 | 17 36 | 0 39 | 9 29 | 2 18 | 19 45 | 0 8 | 10 33 | 0 55 | 24 14 | 1 58 | 10 22 | 10 11 | 7 47 | 6 30 | 1 3 |
| S 7 | 12 43 | 2n43 | 3 33 | 8 20 | 0 32 | 10 31 | 8 9 | 26 4 | 2 55 | 17 32 | 0 39 | 9 31 | 2 18 | 19 45 | 0 8 | 10 34 | 0 55 | 24 14 | 1 58 | 10 22 | 10 12 | 7 46 | 6 31 | 1 3 |
| M 8 | 12 23 | 7 13 | 4 25 | 7 30 | 0 20 | 10 40 | 8 5 | 26 4 | 2 54 | 17 28 | 0 40 | 9 32 | 2 18 | 19 45 | 0 8 | 10 34 | 0 55 | 24 14 | 1 58 | 10 21 | 10 13 | 7 44 | 6 32 | 1 2 |
| T 9 | 12 2 | 11 11 | 5 0 | 6 40 | 0 9 | 10 49 | 8 0 | 26 4 | 2 53 | 17 24 | 0 40 | 9 34 | 2 17 | 19 45 | 0 8 | 10 35 | 0 55 | 24 14 | 1 58 | 10 21 | 10 14 | 7 42 | 6 33 | 1 2 |
| W10 | 11 41 | 14 27 | 5 16 | 5 50 | 0n 4 | 10 58 | 7 54 | 26 4 | 2 52 | 17 20 | 0 40 | 9 36 | 2 17 | 19 45 | 0 8 | 10 35 | 0 55 | 24 14 | 1 59 | 10 21 | 10 15 | 7 41 | 6 34 | 1 2 |
| T 11 | 11 19 | 16 51 | 5 16 | 5 0 | 0 17 | 11 6 | 7 48 | 26 4 | 2 51 | 17 16 | 0 40 | 9 38 | 2 17 | 19 46 | 0 8 | 10 36 | 0 55 | 24 15 | 1 59 | 10 21 | 10 17 | 7 39 | 6 35 | 1 2 |
| F 12 | 10 58 | 18 21 | 4 59 | 4 12 | 0 30 | 11 15 | 7 41 | 26 4 | 2 50 | 17 12 | 0 40 | 9 40 | 2 17 | 19 46 | 0 8 | 10 37 | 0 55 | 24 15 | 1 59 | 10 21 | 10 18 | 7 37 | 6 36 | 1 2 |
| S 13 | 10 36 | 18 55 | 4 28 | 3 25 | 0 44 | 11 24 | 7 34 | 26 4 | 2 49 | 17 8 | 0 40 | 9 42 | 2 16 | 19 46 | 0 8 | 10 37 | 0 55 | 24 15 | 1 59 | 10 21 | 10 19 | 7 35 | 6 37 | 1 2 |
| S 14 | 10 15 | 18 33 | 3 46 | 2 39 | 0 58 | 11 32 | 7 27 | 26 4 | 2 48 | 17 4 | 0 40 | 9 44 | 2 16 | 19 46 | 0 8 | 10 38 | 0 55 | 24 15 | 1 59 | 10 21 | 10 20 | 7 34 | 6 38 | 1 2 |
| M15 | 9 53 | 17 20 | 2 54 | 1 55 | 1 12 | 11 40 | 7 19 | 26 4 | 2 47 | 17 0 | 0 40 | 9 46 | 2 16 | 19 46 | 0 8 | 10 39 | 0 55 | 24 15 | 1 59 | 10 21 | 10 21 | 7 32 | 6 40 | 1 2 |
| T 16 | 9 31 | 15 21 | 1 54 | 1 14 | 1 26 | 11 48 | 7 11 | 26 4 | 2 46 | 16 56 | 0 40 | 9 49 | 2 16 | 19 47 | 0 8 | 10 39 | 0 55 | 24 15 | 1 59 | 10 21 | 10 22 | 7 30 | 6 41 | 1 2 |
| W17 | 9 8 | 12 44 | 0 51 | 0 35 | 1 40 | 11 55 | 7 3 | 26 4 | 2 45 | 16 52 | 0 41 | 9 51 | 2 16 | 19 47 | 0 8 | 10 40 | 0 55 | 24 15 | 1 59 | 10 21 | 10 23 | 7 28 | 6 42 | 1 1 |
| T 18 | 8 46 | 9 36 | 0n15 | 0n 0 | 1 54 | 12 2 | 6 54 | 26 4 | 2 44 | 16 48 | 0 41 | 9 53 | 2 15 | 19 47 | 0 8 | 10 40 | 0 55 | 24 16 | 1 59 | 10 21 | 10 25 | 7 27 | 6 43 | 1 1 |
| F 19 | 8 24 | 6 6 | 1 20 | 0 33 | 2 8 | 12 9 | 6 45 | 26 4 | 2 43 | 16 44 | 0 41 | 9 55 | 2 15 | 19 47 | 0 8 | 10 41 | 0 55 | 24 16 | 1 59 | 10 21 | 10 26 | 7 25 | 6 44 | 1 1 |
| S 20 | 8 1 | 2 21 | 2 21 | 1 1 | 2 22 | 12 15 | 6 36 | 26 4 | 2 42 | 16 40 | 0 41 | 9 57 | 2 15 | 19 48 | 0 8 | 10 42 | 0 55 | 24 16 | 1 59 | 10 21 | 10 27 | 7 23 | 6 45 | 1 1 |
| S 21 | 7 38 | 1s30 | 3 17 | 1 26 | 2 34 | 12 21 | 6 27 | 26 4 | 2 41 | 16 36 | 0 41 | 9 59 | 2 15 | 19 48 | 0 8 | 10 42 | 0 55 | 24 16 | 1 59 | 10 22 | 10 28 | 7 21 | 6 46 | 1 1 |
| M22 | 7 16 | 5 18 | 4 4 | 1 47 | 2 47 | 12 27 | 6 17 | 26 4 | 2 40 | 16 32 | 0 41 | 10 2 | 2 14 | 19 48 | 0 8 | 10 43 | 0 55 | 24 16 | 1 59 | 10 22 | 10 29 | 7 19 | 6 47 | 1 1 |
| T 23 | 6 53 | 8 57 | 4 41 | 2 3 | 2 58 | 12 32 | 6 8 | 26 3 | 2 39 | 16 28 | 0 41 | 10 4 | 2 14 | 19 49 | 0 8 | 10 44 | 0 55 | 24 16 | 1 59 | 10 23 | 10 30 | 7 18 | 6 49 | 1 1 |
| W24 | 6 30 | 12 16 | 5 6 | 2 15 | 3 8 | 12 37 | 5 58 | 26 3 | 2 38 | 16 | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1440

MARCH 1440 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | |
|------|----------|----------|-------|--------|-------|-------|-------|------|-------|-------|--------|-------|------|-------|-------|
| T 1 | 11 10 29 | 19°30'01 | 8°19 | 26°R16 | 10°10 | 27°11 | 18°30 | 2°36 | 28°54 | 4°R21 | 17°R51 | 3°10 | 2°26 | 14°35 | 15°16 |
| W 2 | 11 14 25 | 20°29'40 | 23° 8 | 25°32 | 10°40 | 27°51 | 18°43 | 2°43 | 28°56 | 4°20 | 17°51 | 3°11 | 2°23 | 14°42 | 15°20 |
| T 3 | 11 18 22 | 21°29'17 | 8°13 | 24°43 | 11°12 | 28°14 | 18°57 | 2°49 | 28°58 | 4°18 | 17°50 | 3°R11 | 2°20 | 14°48 | 15°23 |
| F 4 | 11 22 18 | 22°28'52 | 23°26 | 23°52 | 11°45 | 28°38 | 19°10 | 2°55 | 28°59 | 4°17 | 17°50 | 3°10 | 2°16 | 14°55 | 15°27 |
| S 5 | 11 26 15 | 23°28'25 | 8°17 | 22°59 | 12°20 | 29° 2 | 19°23 | 3° 2 | 29° 1 | 4°15 | 17°49 | 3° 9 | 2°13 | 15° 2 | 15°30 |
| S 6 | 11 30 12 | 24°27'56 | 23°36 | 22° 5 | 12°55 | 29°26 | 19°36 | 3° 9 | 29° 3 | 4°14 | 17°49 | 3° 6 | 2°10 | 15° 8 | 15°34 |
| M 7 | 11 34 8 | 25°27'24 | 8°16 | 21°11 | 13°33 | 29°50 | 19°49 | 3°15 | 29° 5 | 4°12 | 17°49 | 3° 3 | 2° 7 | 15°15 | 15°37 |
| T 8 | 11 38 5 | 26°26'51 | 22°30 | 20°19 | 14°11 | 0°31 | 20° 2 | 3°22 | 29° 7 | 4°10 | 17°48 | 3° 0 | 2° 4 | 15°22 | 15°41 |
| W 9 | 11 42 1 | 27°26'15 | 6°16 | 19°30 | 14°50 | 0°39 | 20°15 | 3°29 | 29° 9 | 4° 9 | 17°48 | 2°58 | 2° 0 | 15°28 | 15°45 |
| T 10 | 11 45 58 | 28°25'36 | 19°35 | 18°44 | 15°31 | 1° 4 | 20°28 | 3°36 | 29°11 | 4° 7 | 17°48 | 2°56 | 1°57 | 15°35 | 15°48 |
| F 11 | 11 49 54 | 29°24'56 | 2°28 | 18° 1 | 16°12 | 1°30 | 20°40 | 3°43 | 29°13 | 4° 6 | 17°47 | 2°D56 | 1°54 | 15°41 | 15°52 |
| S 12 | 11 53 51 | 0°12'41 | 14°59 | 17°24 | 16°55 | 1°55 | 20°53 | 3°49 | 29°16 | 4° 5 | 17°47 | 2°57 | 1°51 | 15°48 | 15°55 |
| S 13 | 11 57 47 | 1°23'28 | 27°12 | 16°51 | 17°39 | 2°21 | 21° 6 | 3°56 | 29°18 | 4° 3 | 17°47 | 2°58 | 1°48 | 15°55 | 15°59 |
| M14 | 12 1 44 | 2°22'40 | 9°13 | 16°24 | 18°23 | 2°47 | 21°18 | 4° 3 | 29°20 | 4° 2 | 17°46 | 3° 0 | 1°45 | 16° 1 | 16° 3 |
| T 15 | 12 5 40 | 3°21'50 | 21° 6 | 16° 2 | 19° 9 | 3°13 | 21°31 | 4°10 | 29°22 | 4° 0 | 17°46 | 3° 2 | 1°41 | 16° 8 | 16° 7 |
| W16 | 12 9 37 | 4°20'58 | 2°54 | 15°46 | 19°55 | 3°39 | 21°43 | 4°17 | 29°25 | 3°59 | 17°46 | 3°R 2 | 1°38 | 16°15 | 16°10 |
| T 17 | 12 13 34 | 5°20'03 | 14°40 | 15°35 | 20°42 | 4° 6 | 21°55 | 4°25 | 29°27 | 3°57 | 17°46 | 3° 1 | 1°35 | 16°21 | 16°14 |
| F 18 | 12 17 30 | 6°19'07 | 26°29 | 15°D31 | 21°30 | 4°33 | 22° 7 | 4°32 | 29°29 | 3°56 | 17°46 | 2°59 | 1°32 | 16°28 | 16°18 |
| S 19 | 12 21 27 | 7°18'08 | 8°22 | 15°31 | 22°19 | 5° 0 | 22°20 | 4°39 | 29°32 | 3°55 | 17°46 | 2°55 | 1°29 | 16°35 | 16°21 |
| S 20 | 12 25 23 | 8°17'07 | 20°21 | 15°37 | 23° 9 | 5°27 | 22°32 | 4°46 | 29°34 | 3°53 | 17°46 | 2°50 | 1°25 | 16°41 | 16°25 |
| M21 | 12 29 20 | 9°16'04 | 2°28 | 15°49 | 23°59 | 5°54 | 22°44 | 4°53 | 29°37 | 3°52 | 17°46 | 2°43 | 1°22 | 16°48 | 16°29 |
| T 22 | 12 33 16 | 10°15'00 | 14°44 | 16° 5 | 24°50 | 6°22 | 22°56 | 5° 1 | 29°39 | 3°51 | 17°D46 | 2°36 | 1°19 | 16°55 | 16°33 |
| W23 | 12 37 13 | 11°13'53 | 27°10 | 16°26 | 25°42 | 6°50 | 23° 7 | 5° 8 | 29°42 | 3°50 | 17°46 | 2°30 | 1°16 | 17° 1 | 16°36 |
| T 24 | 12 41 9 | 12°12'45 | 9°15 | 16°52 | 26°34 | 7°17 | 23°19 | 5°15 | 29°44 | 3°48 | 17°46 | 2°25 | 1°13 | 17° 8 | 16°40 |
| F 25 | 12 45 6 | 13°11'35 | 22°43 | 17°22 | 27°27 | 7°46 | 23°31 | 5°23 | 29°47 | 3°47 | 17°46 | 2°21 | 1°10 | 17°15 | 16°44 |
| S 26 | 12 49 3 | 14°10'23 | 5°54 | 17°57 | 28°20 | 8°14 | 23°43 | 5°30 | 29°50 | 3°46 | 17°46 | 2°19 | 1° 6 | 17°21 | 16°48 |
| S 27 | 12 52 59 | 15° 9'09 | 19°23 | 18°35 | 29°14 | 8°42 | 23°54 | 5°38 | 29°52 | 3°45 | 17°46 | 2°D19 | 1° 3 | 17°28 | 16°51 |
| M28 | 12 56 56 | 16° 7'54 | 3°13 | 19°17 | 0° 9 | 9°11 | 24° 5 | 5°45 | 29°55 | 3°44 | 17°46 | 2°20 | 1° 0 | 17°35 | 16°55 |
| T 29 | 13 0 52 | 17° 6'37 | 17°24 | 20° 3 | 1° 4 | 9°39 | 24°17 | 5°53 | 29°58 | 3°42 | 17°46 | 2°21 | 0°57 | 17°41 | 16°59 |
| W30 | 13 4 49 | 18° 5'18 | 1°56 | 20°52 | 2° 0 | 10° 8 | 24°28 | 6° 0 | 0° 1 | 3°41 | 17°46 | 2°R22 | 0°54 | 17°48 | 17° 3 |
| T 31 | 13 8 45 | 19°13'58 | 16°44 | 21°45 | 2°56 | 10°37 | 24°39 | 6° 8 | 0° 4 | 3°40 | 17°47 | 2°21 | 0°51 | 17°54 | 17° 7 |

| Day | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | | | | | | | | | | | |
|------|------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| T 1 | 4s10 | 16s 5 | 2n14 | 1n50 | 3n37 | 12s55 | 5n 1 | 26n 1 | 2n32 | 16s 0 | 0s42 | 10n20 | 2s13 | 19n51 | 0s 8 | 10n48 | 0n55 | 24n17 | 1n59 | 10n22 | 10n38 | 7n 5 | 6n57 | 1n 0 |
| W 2 | 3 47 | 12 58 | 0 55 | 1 31 | 3 35 | 12 57 | 4 51 | 26 0 | 2 31 | 15 56 | 0 42 | 10 22 | 2 13 | 19 51 | 0 8 | 10 48 | 0 55 | 24 17 | 1 59 | 10 22 | 10 39 | 7 4 | 6 58 | 1 0 |
| T 3 | 3 23 | 8 57 | 0s28 | 1 8 | 3 32 | 12 57 | 4 41 | 26 0 | 2 30 | 15 52 | 0 43 | 10 25 | 2 13 | 19 52 | 0 8 | 10 49 | 0 55 | 24 17 | 1 59 | 10 22 | 10 41 | 7 2 | 7 0 | 1 0 |
| F 4 | 3 0 | 4 18 | 1 50 | 0 43 | 3 27 | 12 58 | 4 32 | 25 59 | 2 30 | 15 48 | 0 43 | 10 27 | 2 12 | 19 52 | 0 7 | 10 49 | 0 55 | 24 17 | 1 59 | 10 22 | 10 42 | 7 0 | 7 1 | 1 0 |
| S 5 | 2 36 | 0n37 | 3 4 | 0 16 | 3 20 | 12 57 | 4 22 | 25 58 | 2 28 | 15 44 | 0 43 | 10 29 | 2 12 | 19 53 | 0 7 | 10 50 | 0 55 | 24 17 | 1 59 | 10 23 | 10 43 | 6 58 | 7 2 | 1 0 |
| S 6 | 2 12 | 5 25 | 4 4 | 0s14 | 3 11 | 12 56 | 4 13 | 25 57 | 2 27 | 15 40 | 0 43 | 10 32 | 2 12 | 19 53 | 0 7 | 10 51 | 0 55 | 24 17 | 1 59 | 10 24 | 10 44 | 6 56 | 7 4 | 1 0 |
| M 7 | 1 49 | 9 47 | 4 46 | 0 44 | 3 1 | 12 55 | 4 3 | 25 57 | 2 26 | 15 36 | 0 43 | 10 34 | 2 12 | 19 54 | 0 7 | 10 51 | 0 55 | 24 17 | 1 59 | 10 25 | 10 45 | 6 55 | 7 5 | 1 0 |
| T 8 | 1 25 | 13 27 | 5 10 | 1 15 | 2 49 | 12 53 | 3 54 | 25 56 | 2 25 | 15 32 | 0 43 | 10 37 | 2 12 | 19 54 | 0 7 | 10 52 | 0 55 | 24 17 | 1 59 | 10 26 | 10 46 | 6 53 | 7 6 | 0 59 |
| W 9 | 1 1 | 16 15 | 5 15 | 1 46 | 2 36 | 12 51 | 3 45 | 25 55 | 2 24 | 15 28 | 0 43 | 10 39 | 2 12 | 19 54 | 0 7 | 10 52 | 0 55 | 24 18 | 1 59 | 10 27 | 10 47 | 6 51 | 7 8 | 0 59 |
| T 10 | 0 38 | 18 5 | 5 2 | 2 17 | 2 23 | 12 48 | 3 36 | 25 53 | 2 23 | 15 24 | 0 44 | 10 41 | 2 11 | 19 55 | 0 7 | 10 53 | 0 55 | 24 18 | 1 59 | 10 27 | 10 49 | 6 49 | 7 9 | 0 59 |
| F 11 | 0 14 | 18 55 | 4 35 | 2 47 | 2 8 | 12 44 | 3 27 | 25 52 | 2 22 | 15 20 | 0 44 | 10 44 | 2 11 | 19 55 | 0 7 | 10 53 | 0 55 | 24 18 | 1 59 | 10 28 | 10 50 | 6 47 | 7 10 | 0 59 |
| S 12 | 0n10 | 18 47 | 3 54 | 3 16 | 1 53 | 12 40 | 3 18 | 25 51 | 2 21 | 15 16 | 0 44 | 10 46 | 2 11 | 19 56 | 0 7 | 10 54 | 0 55 | 24 18 | 1 59 | 10 27 | 10 51 | 6 46 | 7 11 | 0 59 |
| S 13 | 0 33 | 17 46 | 3 4 | 3 43 | 1 38 | 12 35 | 3 9 | 25 50 | 2 20 | 15 12 | 0 44 | 10 49 | 2 11 | 19 56 | 0 7 | 10 54 | 0 55 | 24 18 | 1 59 | 10 27 | 10 52 | 6 44 | 7 13 | 0 59 |
| M14 | 0 57 | 15 57 | 2 7 | 4 8 | 1 22 | 12 30 | 3 0 | 25 48 | 2 19 | 15 8 | 0 44 | 10 51 | 2 11 | 19 57 | 0 7 | 10 55 | 0 55 | 24 18 | 1 59 | 10 26 | 10 53 | 6 42 | 7 14 | 0 59 |
| T 15 | 1 20 | 13 29 | 1 5 | 4 31 | 1 6 | 12 25 | 2 51 | 25 47 | 2 19 | 15 4 | 0 44 | 10 54 | 2 11 | 19 57 | 0 7 | 10 55 | 0 55 | 24 18 | 1 59 | 10 25 | 10 54 | 6 40 | 7 16 | 0 59 |
| W16 | 1 44 | 10 28 | 0 1 | 4 51 | 0 51 | 12 18 | 2 43 | 25 45 | 2 18 | 15 1 | 0 45 | 10 56 | 2 10 | 19 58 | 0 7 | 10 56 | 0 55 | 24 18 | 1 59 | 10 25 | 10 55 | 6 38 | 7 17 | 0 59 |
| T 17 | 2 8 | 7 2 | 1n 3 | 5 9 | 0 35 | 12 12 | 2 34 | 25 43 | 2 17 | 14 57 | 0 45 | 10 59 | 2 10 | 19 58 | 0 7 | 10 56 | 0 55 | 24 18 | 1 59 | 10 26 | 10 57 | 6 37 | 7 18 | 0 59 |
| F 18 | 2 31 | 3 19 | 2 5 | 5 25 | 0 20 | 12 4 | 2 26 | 25 42 | 2 16 | 14 53 | 0 45 | 11 1 | 2 10 | 19 59 | 0 7 | 10 57 | 0 55 | 24 18 | 1 59 | 10 26 | 10 58 | 6 35 | 7 20 | 0 59 |
| S 19 | 2 54 | 0s33 | 3 1 | 5 39 | 0 5 | 11 56 | 2 18 | 25 40 | 2 15 | 14 49 | 0 45 | 11 4 | 2 10 | 19 59 | 0 7 | 10 57 | 0 55 | 24 18 | 1 59 | 10 28 | 10 59 | 6 33 | 7 21 | 0 58 |
| S 20 | 3 18 | 4 25 | 3 50 | 5 49 | 0s 9 | 11 48 | 2 10 | 25 38 | 2 14 | 14 45 | 0 45 | 11 7 | 2 10 | 20 0 | 0 7 | 10 58 | 0 55 | 24 18 | 1 59 | 10 30 | 11 0 | 6 31 | 7 22 | 0 58 |
| M21 | 3 41 | 8 9 | 4 29 | 5 58 | 0 23 | 11 39 | 2 2 | 25 36 | 2 13 | 14 42 | 0 45 | 11 9 | 2 10 | 20 1 | 0 7 | 10 58 | 0 55 | 24 18 | 1 59 | 10 32 | 11 1 | 6 29 | 7 24 | 0 58 |
| T 22 | 4 4 | 11 35 | 4 56 | 6 3 | 0 36 | 11 30 | 1 54 | 25 34 | 2 12 | 14 38 | 0 46 | 11 12 | 2 10 | 20 1 | 0 7 | 10 59 | 0 55 | 24 18 | 1 59 | 10 35 | 11 2 | 6 28 | 7 25 | 0 58 |
| W23 | 4 27 | 14 34 | 5 9 | 6 7 | 0 48 | 11 20 | 1 46 | 25 31 | 2 12 | 14 34 | 0 46 | 11 14 | 2 10 | 20 2 | 0 7 | 10 59 | 0 55 | 24 18 | 1 59 | 10 37 | 11 3 | 6 26 | 7 26 | 0 58 |
| T 24 | 4 50 | 16 55 | 5 8 | 6 8 | 1 0 | 11 9 | 1 38 | 25 29 | 2 11 | 14 30 | 0 46 | 11 17 | 2 9 | 20 2 | 0 7 | 11 0 | 0 55 | 24 18 | 1 59 | 10 39 | 11 5 | 6 24 | 7 28 | 0 58 |
| F 25 | 5 13 | 18 28 | 4 51 | 6 6 | 1 12 | 10 58 | 1 31 | 25 27 | 2 10 | 14 27 | 0 46 | 11 19 | 2 9 | 20 3 | 0 7 | 11 0 | 0 55 | 24 18 | 1 59 | 10 40 | 11 6 | 6 22 | 7 29 | 0 58 |
| S 26 | 5 36 | 19 4 | 4 19 | 6 3 | 1 23 | 10 47 | 1 23 | 25 24 | 2 9 | 14 23 | 0 46 | 11 22 | 2 9 | 20 3 | 0 7 | 11 1 | 0 55 | 24 18 | 2 0 | 10 41 | 11 7 | 6 20 | 7 31 | 0 58 |
| S 27 | 5 59 | 18 36 | 3 32 | 5 57 | 1 33 | 10 35 | 1 16 | 25 21 | 2 8 | 14 19 | 0 46 | 11 24 | 2 9 | 20 4 | 0 7 | 11 1 | 0 55 | 24 18 | 2 0 | 10 41 | 11 8 | 6 18 | 7 32 | 0 58 |
| M28 | 6 22 | 17 2 | 2 31 | 5 49 | 1 42 | 10 22 | 1 9 | 25 18 | 2 7 | 14 16 | 0 47 | 11 27 | 2 9 | 20 5 | 0 7 | 11 1 | 0 55 | 24 18 | 2 0 | 10 41 | 11 9 | 6 17 | 7 33 | 0 58 |
| T 29 | 6 44 | 14 23 | 1 20 | 5 39 | 1 51 | 10 10 | 1 2 | 25 16 | 2 6 | 14 12 | 0 47 | 11 30 | 2 9 | 20 5 | 0 7 | 11 2 | 0 55 | 24 18 | 2 0 | 10 40 | 11 1 | | | |

SWISS EPHEMERIS for the year 1440

APRIL 1440 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♆ | ♁ | |
|------|----------|-----------|--------|--------|-------|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|
| F 1 | 13 12 42 | 20°Y 2'35 | 1°Y44 | 22°X41 | 3°X53 | 11°S 7 | 24°S50 | 6°S15 | 0°II 6 | 3°R39 | 17°S47 | 2°R18 | 0°M47 | 18°M 1 | 17°Y10 |
| S 2 | 13 16 38 | 21° 1'11 | 16°47 | 23°39 | 4°50 | 11°36 | 25° 1 | 6°23 | 0° 9 | 3°M38 | 17°47 | 2°M13 | 0°44 | 18° 8 | 17°14 |
| S 3 | 13 20 35 | 21°59'45 | 1°S44 | 24°41 | 5°47 | 12° 5 | 25°12 | 6°30 | 0°12 | 3°37 | 17°47 | 2° 6 | 0°41 | 18°14 | 17°18 |
| M 4 | 13 24 32 | 22°58'17 | 16°26 | 25°45 | 6°45 | 12°35 | 25°23 | 6°38 | 0°15 | 3°36 | 17°48 | 1°58 | 0°38 | 18°21 | 17°22 |
| T 5 | 13 28 28 | 23°56'47 | 0°II46 | 26°52 | 7°44 | 13° 5 | 25°33 | 6°46 | 0°18 | 3°35 | 17°48 | 1°50 | 0°35 | 18°28 | 17°25 |
| W 6 | 13 32 25 | 24°55'15 | 14°39 | 28° 1 | 8°42 | 13°35 | 25°44 | 6°53 | 0°21 | 3°34 | 17°48 | 1°43 | 0°31 | 18°34 | 17°29 |
| T 7 | 13 36 21 | 25°53'40 | 28° 4 | 29°13 | 9°42 | 14° 5 | 25°54 | 7° 1 | 0°24 | 3°33 | 17°49 | 1°37 | 0°28 | 18°41 | 17°33 |
| F 8 | 13 40 18 | 26°52'04 | 11°S 1 | 0°Y27 | 10°41 | 14°35 | 26° 5 | 7° 9 | 0°27 | 3°33 | 17°49 | 1°34 | 0°25 | 18°48 | 17°37 |
| S 9 | 13 44 14 | 27°50'26 | 23°35 | 1°43 | 11°41 | 15° 5 | 26°15 | 7°16 | 0°30 | 3°32 | 17°50 | 1°D33 | 0°22 | 18°54 | 17°40 |
| S 10 | 13 48 11 | 28°48'45 | 5°N49 | 3° 1 | 12°41 | 15°36 | 26°25 | 7°24 | 0°33 | 3°31 | 17°50 | 1°33 | 0°19 | 19° 1 | 17°44 |
| M11 | 13 52 7 | 29°47'02 | 17°49 | 4°22 | 13°42 | 16° 6 | 26°35 | 7°32 | 0°37 | 3°30 | 17°50 | 1°34 | 0°16 | 19° 8 | 17°48 |
| T 12 | 13 56 4 | 0°S45'17 | 29°40 | 5°45 | 14°42 | 16°37 | 26°45 | 7°39 | 0°40 | 3°29 | 17°51 | 1°R34 | 0°12 | 19°14 | 17°52 |
| W13 | 14 0 1 | 1°43'30 | 11°M27 | 7°10 | 15°43 | 17° 8 | 26°55 | 7°47 | 0°43 | 3°29 | 17°51 | 1°34 | 0° 9 | 19°21 | 17°55 |
| T 14 | 14 3 57 | 2°41'42 | 23°14 | 8°37 | 16°45 | 17°39 | 27° 4 | 7°55 | 0°46 | 3°28 | 17°52 | 1°31 | 0° 6 | 19°28 | 17°59 |
| F 15 | 14 7 54 | 3°39'51 | 5°S 6 | 10° 6 | 17°47 | 18°10 | 27°14 | 8° 3 | 0°49 | 3°27 | 17°53 | 1°26 | 0° 3 | 19°34 | 18° 3 |
| S 16 | 14 11 50 | 4°37'58 | 17° 6 | 11°36 | 18°49 | 18°41 | 27°23 | 8°10 | 0°52 | 3°27 | 17°53 | 1°19 | 29°S59 | 19°41 | 18° 6 |
| S 17 | 14 15 47 | 5°36'04 | 29°15 | 13° 9 | 19°51 | 19°12 | 27°33 | 8°18 | 0°56 | 3°26 | 17°54 | 1° 9 | 29°56 | 19°48 | 18°10 |
| M18 | 14 19 43 | 6°34'07 | 11°M35 | 14°44 | 20°53 | 19°44 | 27°42 | 8°26 | 0°59 | 3°25 | 17°54 | 0°58 | 29°53 | 19°54 | 18°14 |
| T 19 | 14 23 40 | 7°32'09 | 24° 6 | 16°21 | 21°56 | 20°15 | 27°51 | 8°34 | 1° 2 | 3°25 | 17°55 | 0°47 | 29°50 | 20° 1 | 18°17 |
| W20 | 14 27 36 | 8°30'10 | 6°S50 | 18° 0 | 22°59 | 20°47 | 28° 0 | 8°42 | 1° 6 | 3°24 | 17°56 | 0°35 | 29°47 | 20° 8 | 18°21 |
| T 21 | 14 31 33 | 9°28'09 | 19°45 | 19°40 | 24° 2 | 21°18 | 28° 9 | 8°49 | 1° 9 | 3°24 | 17°57 | 0°25 | 29°44 | 20°14 | 18°24 |
| F 22 | 14 35 29 | 10°26'07 | 2°S52 | 21°23 | 25° 6 | 21°50 | 28°17 | 8°57 | 1°12 | 3°23 | 17°57 | 0°18 | 29°41 | 20°21 | 18°28 |
| S 23 | 14 39 26 | 11°24'03 | 16°11 | 23° 8 | 26°10 | 22°22 | 28°26 | 9° 5 | 1°16 | 3°23 | 17°58 | 0°13 | 29°37 | 20°27 | 18°31 |
| S 24 | 14 43 23 | 12°21'58 | 29°44 | 24°54 | 27°14 | 22°54 | 28°34 | 9°13 | 1°19 | 3°23 | 17°59 | 0°11 | 29°34 | 20°34 | 18°35 |
| M25 | 14 47 19 | 13°19'52 | 13°S31 | 26°43 | 28°18 | 23°26 | 28°42 | 9°20 | 1°22 | 3°22 | 18° 0 | 0°D10 | 29°31 | 20°41 | 18°39 |
| T 26 | 14 51 16 | 14°17'45 | 27°31 | 28°33 | 29°22 | 23°58 | 28°51 | 9°28 | 1°26 | 3°22 | 18° 0 | 0°R10 | 29°28 | 20°47 | 18°42 |
| W27 | 14 55 12 | 15°15'36 | 11°X47 | 0°S26 | 0°Y27 | 24°30 | 28°59 | 9°36 | 1°29 | 3°22 | 18° 1 | 0°10 | 29°25 | 20°54 | 18°46 |
| T 28 | 14 59 9 | 16°13'26 | 26°15 | 2°20 | 1°31 | 25° 3 | 29° 7 | 9°44 | 1°33 | 3°21 | 18° 2 | 0° 8 | 29°22 | 21° 1 | 18°49 |
| F 29 | 15 3 5 | 17°11'15 | 10°Y53 | 4°16 | 2°36 | 25°35 | 29°14 | 9°51 | 1°36 | 3°21 | 18° 3 | 0° 3 | 29°18 | 21° 7 | 18°52 |
| S 30 | 15 7 2 | 18° 9'02 | 25°Y35 | 6°S14 | 3°Y42 | 26°S 8 | 29°S22 | 9°S59 | 1°II40 | 3°M21 | 18°S 4 | 29°S56 | 29°S15 | 21°M14 | 18°Y56 |

| Day | ☉ | | ☽ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♁ | |
|------|-------|-------|------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| F 1 | 7n51 | 1s38 | 2s32 | 4s57 | 2s13 | 9s28 | 0n42 | 25n 6 | 2n 4 | 14s 1 | 0s47 | 11n37 | 2s 9 | 20n 7 | 0s 7 | 11n 3 | 0n55 | 24n18 |
| S 2 | 8 14 | 3n17 | 3 36 | 4 40 | 2 19 | 9 13 | 0 35 | 25 3 | 2 3 | 13 58 | 0 48 | 11 40 | 2 9 | 20 8 | 0 7 | 11 3 | 0 55 | 24 18 |
| S 3 | 8 36 | 7 57 | 4 26 | 4 20 | 2 25 | 8 58 | 0 29 | 24 59 | 2 2 | 13 55 | 0 48 | 11 42 | 2 8 | 20 8 | 0 7 | 11 4 | 0 55 | 24 18 |
| M 4 | 8 57 | 12 4 | 4 56 | 3 59 | 2 30 | 8 43 | 0 22 | 24 56 | 2 2 | 13 51 | 0 48 | 11 45 | 2 8 | 20 9 | 0 7 | 11 4 | 0 55 | 24 18 |
| T 5 | 9 19 | 15 22 | 5 7 | 3 37 | 2 34 | 8 27 | 0 16 | 24 52 | 2 1 | 13 48 | 0 48 | 11 48 | 2 8 | 20 10 | 0 7 | 11 4 | 0 55 | 24 18 |
| W 6 | 9 41 | 17 40 | 4 59 | 3 12 | 2 38 | 8 10 | 0 10 | 24 48 | 2 0 | 13 44 | 0 48 | 11 50 | 2 8 | 20 10 | 0 7 | 11 5 | 0 55 | 24 18 |
| T 7 | 10 2 | 18 54 | 4 35 | 2 47 | 2 41 | 7 54 | 0 4 | 24 44 | 1 59 | 13 41 | 0 49 | 11 53 | 2 8 | 20 11 | 0 7 | 11 5 | 0 55 | 24 18 |
| F 8 | 10 23 | 19 6 | 3 58 | 2 19 | 2 44 | 7 36 | 0s 2 | 24 40 | 1 58 | 13 38 | 0 49 | 11 55 | 2 8 | 20 11 | 0 7 | 11 5 | 0 55 | 24 18 |
| S 9 | 10 44 | 18 20 | 3 10 | 1 51 | 2 46 | 7 19 | 0 7 | 24 36 | 1 58 | 13 34 | 0 49 | 11 58 | 2 8 | 20 12 | 0 7 | 11 6 | 0 55 | 24 18 |
| S 10 | 11 5 | 16 43 | 2 14 | 1 21 | 2 47 | 7 1 | 0 13 | 24 32 | 1 57 | 13 31 | 0 49 | 12 0 | 2 8 | 20 13 | 0 7 | 11 6 | 0 55 | 24 18 |
| M11 | 11 26 | 14 23 | 1 13 | 0 49 | 2 48 | 6 43 | 0 18 | 24 27 | 1 56 | 13 28 | 0 49 | 12 3 | 2 8 | 20 13 | 0 7 | 11 6 | 0 55 | 24 18 |
| T 12 | 11 46 | 11 28 | 0 10 | 0 17 | 2 48 | 6 24 | 0 23 | 24 23 | 1 55 | 13 25 | 0 50 | 12 5 | 2 8 | 20 14 | 0 7 | 11 6 | 0 55 | 24 18 |
| W13 | 12 7 | 8 6 | 0n53 | 0n17 | 2 47 | 6 5 | 0 28 | 24 18 | 1 54 | 13 21 | 0 50 | 12 8 | 2 8 | 20 15 | 0 7 | 11 7 | 0 55 | 24 18 |
| T 14 | 12 27 | 4 26 | 1 53 | 0 53 | 2 46 | 5 46 | 0 33 | 24 13 | 1 54 | 13 18 | 0 50 | 12 11 | 2 8 | 20 15 | 0 7 | 11 7 | 0 55 | 24 18 |
| F 15 | 12 47 | 0 33 | 2 49 | 1 29 | 2 45 | 5 26 | 0 38 | 24 8 | 1 53 | 13 15 | 0 50 | 12 13 | 2 8 | 20 16 | 0 7 | 11 7 | 0 55 | 24 17 |
| S 16 | 13 6 | 3s23 | 3 38 | 2 7 | 2 43 | 5 6 | 0 43 | 24 3 | 1 52 | 13 12 | 0 50 | 12 16 | 2 8 | 20 17 | 0 7 | 11 7 | 0 55 | 24 17 |
| S 17 | 13 26 | 7 13 | 4 18 | 2 45 | 2 40 | 4 46 | 0 48 | 23 58 | 1 51 | 13 9 | 0 51 | 12 18 | 2 8 | 20 18 | 0 7 | 11 8 | 0 55 | 24 17 |
| M18 | 13 45 | 10 49 | 4 46 | 3 25 | 2 37 | 4 25 | 0 52 | 23 53 | 1 51 | 13 6 | 0 51 | 12 21 | 2 8 | 20 18 | 0 7 | 11 8 | 0 55 | 24 17 |
| T 19 | 14 4 | 14 0 | 5 1 | 4 6 | 2 33 | 4 4 | 0 57 | 23 47 | 1 50 | 13 3 | 0 51 | 12 23 | 2 7 | 20 19 | 0 7 | 11 8 | 0 55 | 24 17 |
| W20 | 14 23 | 16 34 | 5 1 | 4 47 | 2 28 | 3 43 | 1 1 | 23 42 | 1 49 | 13 0 | 0 51 | 12 26 | 2 7 | 20 20 | 0 7 | 11 8 | 0 55 | 24 17 |
| T 21 | 14 41 | 18 22 | 4 46 | 5 30 | 2 24 | 3 22 | 1 5 | 23 36 | 1 48 | 12 58 | 0 52 | 12 28 | 2 7 | 20 20 | 0 7 | 11 8 | 0 55 | 24 17 |
| F 22 | 15 0 | 19 13 | 4 46 | 6 14 | 2 18 | 3 0 | 1 9 | 23 30 | 1 48 | 12 55 | 0 52 | 12 31 | 2 7 | 20 21 | 0 7 | 11 8 | 0 55 | 24 17 |
| S 23 | 15 18 | 19 2 | 3 31 | 6 58 | 2 12 | 2 39 | 1 13 | 23 24 | 1 47 | 12 52 | 0 52 | 12 33 | 2 7 | 20 22 | 0 7 | 11 9 | 0 55 | 24 17 |
| S 24 | 15 36 | 17 45 | 2 34 | 7 43 | 2 6 | 2 16 | 1 16 | 23 18 | 1 46 | 12 49 | 0 52 | 12 36 | 2 7 | 20 22 | 0 7 | 11 9 | 0 55 | 24 17 |
| M25 | 15 53 | 15 25 | 1 27 | 8 29 | 1 59 | 1 54 | 1 20 | 23 12 | 1 45 | 12 47 | 0 53 | 12 38 | 2 7 | 20 23 | 0 7 | 11 9 | 0 55 | 24 17 |
| T 26 | 16 11 | 12 9 | 0 14 | 9 15 | 1 52 | 1 32 | 1 24 | 23 6 | 1 45 | 12 44 | 0 53 | 12 41 | 2 7 | 20 24 | 0 7 | 11 9 | 0 55 | 24 17 |
| W27 | 16 28 | 8 6 | 1s 1 | 10 2 | 1 44 | 1 9 | 1 27 | 22 59 | 1 44 | 12 41 | 0 53 | 12 43 | 2 7 | 20 24 | 0 7 | 11 9 | 0 55 | 24 17 |
| T 28 | 16 44 | 4 32 | 2 14 | 10 49 | 1 36 | 0 46 | 1 30 | 22 53 | 1 43 | 12 39 | 0 53 | 12 46 | 2 7 | 20 25 | 0 7 | 11 9 | 0 54 | 24 16 |
| F 29 | 17 1 | 1n17 | 3 18 | 11 37 | 1 27 | 0 23 | 1 33 | 22 46 | 1 43 | 12 36 | 0 53 | 12 48 | 2 7 | 20 26 | 0 7 | 11 9 | 0 54 | 24 16 |
| S 30 | 17n17 | 6n 3 | 4s 9 | 12n25 | 1s18 | 0n 0 | 1s36 | 22n39 | 1n42 | 12s34 | 0s54 | 12n50 | 2s 7 | 20n27 | 0s 7 | 11n 9 | 0n54 | 24n16 |

Julian Day Number = 2247108.5, Delta T = 266.88 sec
 Ecliptic obliquity = 23°30'36", Nutation = - 0°00'09"
 Ayanamsha: Fagan/Bradley = 16°55'53", Lahiri = 16°02'53" Julian Calendar 1 Apr. 1440 == Greg. Calendar 10 Apr. 1440

SWISS EPHEMERIS for the year 1440

MAY 1440 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♄ | ♃ | ♅ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|------|-------|-------|--------|-------|-------|-------|
| S 1 | 15 10 58 | 19♂ 648 | 10♂14 | 8♂14 | 4♀47 | 26♂40 | 29♂29 | 10♂ 7 | 1♂43 | 3°R21 | 18♂ 5 | 29°R46 | 29♂12 | 21♂21 | 18♀59 |
| M 2 | 15 14 55 | 20° 4'33 | 24°43 | 10°16 | 5°52 | 27°13 | 29°37 | 10°15 | 1°46 | 3♂21 | 18° 6 | 29♂35 | 29° 9 | 21°27 | 19° 3 |
| T 3 | 15 18 52 | 21° 2'17 | 8♂54 | 12°20 | 6°58 | 27°46 | 29°44 | 10°22 | 1°50 | 3°21 | 18° 7 | 29°24 | 29° 6 | 21°34 | 19° 6 |
| W 4 | 15 22 48 | 21°59'59 | 22°43 | 14°25 | 8° 4 | 28°19 | 29°51 | 10°30 | 1°53 | 3°21 | 18° 8 | 29°13 | 29° 2 | 21°41 | 19° 9 |
| T 5 | 15 26 45 | 22°57'40 | 6♂ 7 | 16°31 | 9°10 | 28°51 | 29°58 | 10°38 | 1°57 | 3°D21 | 18° 9 | 29° 5 | 28°59 | 21°47 | 19°13 |
| F 6 | 15 30 41 | 23°55'19 | 19° 6 | 18°39 | 10°16 | 29°25 | 0♂ 4 | 10°45 | 2° 0 | 3°21 | 18°10 | 28°58 | 28°56 | 21°54 | 19°16 |
| S 7 | 15 34 38 | 24°52'57 | 1♂41 | 20°49 | 11°22 | 29°58 | 0°11 | 10°53 | 2° 4 | 3°21 | 18°11 | 28°55 | 28°53 | 22° 1 | 19°19 |
| S 8 | 15 38 34 | 25°50'33 | 13°57 | 22°59 | 12°29 | 0♂31 | 0°17 | 11° 0 | 2° 7 | 3°21 | 18°12 | 28°53 | 28°50 | 22° 7 | 19°22 |
| M 9 | 15 42 31 | 26°48'08 | 25°58 | 25°10 | 13°35 | 1° 4 | 0°23 | 11° 8 | 2°11 | 3°21 | 18°13 | 28°53 | 28°47 | 22°14 | 19°25 |
| T 10 | 15 46 27 | 27°45'41 | 7♂50 | 27°21 | 14°42 | 1°38 | 0°29 | 11°16 | 2°14 | 3°21 | 18°14 | 28°53 | 28°43 | 22°21 | 19°29 |
| W 11 | 15 50 24 | 28°43'13 | 19°39 | 29°33 | 15°48 | 2°11 | 0°35 | 11°23 | 2°18 | 3°21 | 18°15 | 28°52 | 28°40 | 22°27 | 19°32 |
| T 12 | 15 54 21 | 29°40'44 | 1♂28 | 1♂45 | 16°55 | 2°45 | 0°41 | 11°31 | 2°21 | 3°21 | 18°16 | 28°49 | 28°37 | 22°34 | 19°35 |
| F 13 | 15 58 17 | 0♂38'13 | 13°24 | 3°57 | 18° 2 | 3°18 | 0°47 | 11°38 | 2°25 | 3°21 | 18°18 | 28°44 | 28°34 | 22°41 | 19°38 |
| S 14 | 16 2 14 | 1°35'40 | 25°30 | 6° 8 | 19°10 | 3°52 | 0°52 | 11°46 | 2°29 | 3°22 | 18°19 | 28°36 | 28°31 | 22°47 | 19°41 |
| S 15 | 16 6 10 | 2°33'07 | 7♂49 | 8°18 | 20°17 | 4°25 | 0°57 | 11°53 | 2°32 | 3°22 | 18°20 | 28°25 | 28°28 | 22°54 | 19°44 |
| M 16 | 16 10 7 | 3°30'33 | 20°23 | 10°27 | 21°24 | 4°59 | 1° 3 | 12° 1 | 2°36 | 3°22 | 18°21 | 28°13 | 28°24 | 23° 1 | 19°47 |
| T 17 | 16 14 3 | 4°27'57 | 3♂11 | 12°35 | 22°32 | 5°33 | 1° 7 | 12° 8 | 2°39 | 3°23 | 18°22 | 28° 1 | 28°21 | 23° 7 | 19°50 |
| W 18 | 16 18 0 | 5°25'21 | 16°15 | 14°42 | 23°39 | 6° 7 | 1°12 | 12°15 | 2°43 | 3°23 | 18°24 | 27°48 | 28°18 | 23°14 | 19°53 |
| T 19 | 16 21 56 | 6°22'44 | 29°31 | 16°47 | 24°47 | 6°41 | 1°17 | 12°23 | 2°46 | 3°23 | 18°25 | 27°38 | 28°15 | 23°21 | 19°56 |
| F 20 | 16 25 53 | 7°20'06 | 12♂59 | 18°49 | 25°55 | 7°15 | 1°21 | 12°30 | 2°50 | 3°24 | 18°26 | 27°29 | 28°12 | 23°27 | 19°58 |
| S 21 | 16 29 50 | 8°17'27 | 26°38 | 20°50 | 27° 3 | 7°49 | 1°25 | 12°37 | 2°53 | 3°24 | 18°27 | 27°24 | 28° 8 | 23°34 | 20° 1 |
| S 22 | 16 33 46 | 9°14'48 | 10♂24 | 22°49 | 28°11 | 8°24 | 1°30 | 12°45 | 2°57 | 3°25 | 18°29 | 27°21 | 28° 5 | 23°41 | 20° 4 |
| M 23 | 16 37 43 | 10°12'08 | 24°19 | 24°46 | 29°19 | 8°58 | 1°33 | 12°52 | 3° 0 | 3°25 | 18°30 | 27°D20 | 28° 2 | 23°47 | 20° 7 |
| T 24 | 16 41 39 | 11° 9'27 | 8♂20 | 26°40 | 0♂28 | 9°32 | 1°37 | 12°59 | 3° 4 | 3°26 | 18°31 | 27°R20 | 27°59 | 23°54 | 20° 9 |
| W 25 | 16 45 36 | 12° 6'47 | 22°28 | 28°32 | 1°36 | 10° 7 | 1°41 | 13° 6 | 3° 7 | 3°27 | 18°33 | 27°20 | 27°56 | 24° 1 | 20°12 |
| T 26 | 16 49 32 | 13° 4'05 | 6♀42 | 0♂22 | 2°44 | 10°41 | 1°44 | 13°13 | 3°11 | 3°27 | 18°34 | 27°18 | 27°53 | 24° 7 | 20°15 |
| F 27 | 16 53 29 | 14° 1'24 | 20°59 | 2° 9 | 3°53 | 11°16 | 1°47 | 13°20 | 3°14 | 3°28 | 18°36 | 27°14 | 27°49 | 24°14 | 20°17 |
| S 28 | 16 57 25 | 14°58'41 | 5♂17 | 3°54 | 5° 2 | 11°50 | 1°50 | 13°27 | 3°18 | 3°29 | 18°37 | 27° 7 | 27°46 | 24°20 | 20°20 |
| S 29 | 17 1 22 | 15°55'59 | 19°30 | 5°36 | 6°10 | 12°25 | 1°53 | 13°34 | 3°21 | 3°29 | 18°38 | 26°58 | 27°43 | 24°27 | 20°22 |
| M 30 | 17 5 19 | 16°53'16 | 3♂35 | 7°16 | 7°19 | 13° 0 | 1°56 | 13°41 | 3°25 | 3°30 | 18°40 | 26°48 | 27°40 | 24°34 | 20°25 |
| T 31 | 17 9 15 | 17°50'33 | 17♂26 | 8♂53 | 8♂28 | 13♂34 | 1♂58 | 13♂48 | 3♂28 | 3♂31 | 18♂41 | 26♂37 | 27♂37 | 24♂40 | 20♀27 |

| Day | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♄ | ♃ | ♅ | | | | | | | | | | |
|------|-------------|---------|-------|---------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| S 1 | 17n33 | 10n26 | 4s44 | 13n13 | 1 s 9 | 0n23 | 1s39 | 22n32 | 1n41 | 12s32 | 0s54 | 12n53 | 2s 7 | 20n27 | 0s 7 | 11n 9 | 0n54 | 24n16 | 2n 0 | 11n35 | 11n47 | 5n14 | 8n19 | 0n56 |
| M 2 | 17 49 14 | 9 5 0 | 14 1 | 0 59 | 0 47 | 1 42 | 22 25 | 1 40 | 12 29 | 0 54 | 12 55 | 2 7 | 20 28 | 0 7 | 11 9 | 0 54 | 24 16 | 2 0 | 11 39 | 11 48 | 5 12 | 8 20 | 0 56 | |
| T 3 | 18 4 16 | 57 4 57 | 14 48 | 0 49 | 1 11 | 1 44 | 22 18 | 1 40 | 12 27 | 0 54 | 12 58 | 2 7 | 20 29 | 0 7 | 11 9 | 0 54 | 24 16 | 2 0 | 11 43 | 11 49 | 5 10 | 8 21 | 0 56 | |
| W 4 | 18 19 18 | 42 4 37 | 15 36 | 0 39 | 1 34 | 1 47 | 22 11 | 1 39 | 12 25 | 0 55 | 13 0 | 2 7 | 20 29 | 0 7 | 11 9 | 0 54 | 24 16 | 2 0 | 11 47 | 11 50 | 5 8 | 8 23 | 0 56 | |
| T 5 | 18 34 19 | 21 4 1 | 16 22 | 0 28 | 1 58 | 1 49 | 22 3 | 1 38 | 12 23 | 0 55 | 13 2 | 2 7 | 20 30 | 0 7 | 11 9 | 0 54 | 24 16 | 2 0 | 11 50 | 11 52 | 5 6 | 8 24 | 0 55 | |
| F 6 | 18 48 18 | 56 3 14 | 17 9 | 0 18 | 2 22 | 1 51 | 21 55 | 1 38 | 12 20 | 0 55 | 13 5 | 2 7 | 20 31 | 0 7 | 11 9 | 0 54 | 24 16 | 2 0 | 11 52 | 11 53 | 5 4 | 8 25 | 0 55 | |
| S 7 | 19 3 17 | 35 2 19 | 17 54 | 0 7 | 2 46 | 1 54 | 21 48 | 1 37 | 12 18 | 0 55 | 13 7 | 2 7 | 20 32 | 0 7 | 11 9 | 0 54 | 24 15 | 2 0 | 11 53 | 11 54 | 5 2 | 8 26 | 0 55 | |
| S 8 | 19 16 15 | 26 1 18 | 18 38 | 0n 3 | 3 10 | 1 56 | 21 40 | 1 36 | 12 16 | 0 56 | 13 9 | 2 7 | 20 32 | 0 7 | 11 9 | 0 54 | 24 15 | 2 0 | 11 54 | 11 55 | 5 0 | 8 27 | 0 55 | |
| M 9 | 19 30 12 | 39 0 15 | 19 20 | 0 14 | 3 34 | 1 57 | 21 32 | 1 35 | 12 14 | 0 56 | 13 12 | 2 7 | 20 33 | 0 7 | 11 9 | 0 54 | 24 15 | 2 0 | 11 54 | 11 56 | 4 59 | 8 29 | 0 55 | |
| T 10 | 19 43 9 | 23 0n47 | 20 1 | 0 24 | 3 58 | 1 59 | 21 24 | 1 35 | 12 12 | 0 56 | 13 14 | 2 7 | 20 34 | 0 7 | 11 9 | 0 54 | 24 15 | 2 0 | 11 54 | 11 57 | 4 57 | 8 30 | 0 55 | |
| W 11 | 19 56 5 46 | 1 48 | 20 41 | 0 35 | 4 23 | 2 1 | 21 16 | 1 34 | 12 11 | 0 57 | 13 16 | 2 7 | 20 34 | 0 7 | 11 9 | 0 54 | 24 15 | 2 0 | 11 54 | 11 58 | 4 55 | 8 31 | 0 55 | |
| T 12 | 20 8 1 55 | 2 43 | 21 18 | 0 44 | 4 47 | 2 2 | 21 7 | 1 33 | 12 9 | 0 57 | 13 19 | 2 7 | 20 35 | 0 7 | 11 9 | 0 54 | 24 15 | 2 0 | 11 55 | 11 59 | 4 53 | 8 32 | 0 55 | |
| F 13 | 20 21 2s 3 | 3 32 | 21 53 | 0 54 | 5 11 | 2 4 | 20 59 | 1 33 | 12 7 | 0 57 | 13 21 | 2 7 | 20 36 | 0 7 | 11 9 | 0 54 | 24 15 | 2 0 | 11 57 | 12 0 | 4 51 | 8 33 | 0 55 | |
| S 14 | 20 32 5 58 | 4 13 | 22 26 | 1 3 | 5 36 | 2 5 | 20 50 | 1 32 | 12 5 | 0 57 | 13 23 | 2 7 | 20 37 | 0 7 | 11 9 | 0 54 | 24 15 | 2 0 | 12 0 | 12 2 | 4 49 | 8 34 | 0 55 | |
| S 15 | 20 44 9 43 | 4 42 | 22 56 | 1 12 | 6 0 | 2 6 | 20 41 | 1 31 | 12 4 | 0 58 | 13 25 | 2 8 | 20 37 | 0 7 | 11 9 | 0 54 | 24 14 | 2 0 | 12 3 | 12 3 | 4 47 | 8 35 | 0 55 | |
| M 16 | 20 55 13 7 | 4 58 | 23 24 | 1 20 | 6 24 | 2 7 | 20 32 | 1 31 | 12 2 | 0 58 | 13 28 | 2 8 | 20 38 | 0 7 | 11 8 | 0 54 | 24 14 | 2 1 | 12 8 | 12 4 | 4 45 | 8 36 | 0 55 | |
| T 17 | 21 6 15 | 58 4 59 | 23 49 | 1 27 | 6 48 | 2 8 | 20 24 | 1 30 | 12 1 | 0 58 | 13 30 | 2 8 | 20 39 | 0 7 | 11 8 | 0 54 | 24 14 | 2 1 | 12 12 | 12 5 | 4 43 | 8 38 | 0 55 | |
| W 18 | 21 16 18 4 | 4 45 | 24 11 | 1 34 | 7 12 | 2 9 | 20 14 | 1 29 | 11 59 | 0 58 | 13 32 | 2 8 | 20 39 | 0 7 | 11 8 | 0 54 | 24 14 | 2 1 | 12 16 | 12 6 | 4 41 | 8 39 | 0 55 | |
| T 19 | 21 26 19 15 | 4 16 | 24 31 | 1 41 | 7 37 | 2 10 | 20 5 | 1 29 | 11 58 | 0 59 | 13 34 | 2 8 | 20 40 | 0 7 | 11 8 | 0 54 | 24 14 | 2 1 | 12 20 | 12 7 | 4 39 | 8 40 | 0 55 | |
| F 20 | 21 36 19 22 | 3 32 | 24 48 | 1 46 | 8 1 | 2 11 | 19 56 | 1 28 | 11 57 | 0 59 | 13 36 | 2 8 | 20 41 | 0 7 | 11 8 | 0 54 | 24 14 | 2 1 | 12 23 | 12 8 | 4 38 | 8 41 | 0 55 | |
| S 21 | 21 45 18 21 | 2 35 | 25 2 | 1 51 | 8 25 | 2 11 | 19 46 | 1 27 | 11 55 | 0 59 | 13 39 | 2 8 | 20 41 | 0 7 | 11 8 | 0 54 | 24 14 | 2 1 | 12 25 | 12 9 | 4 36 | 8 42 | 0 55 | |
| S 22 | 21 54 16 16 | 1 28 | 25 14 | 1 55 | 8 49 | 2 12 | 19 37 | 1 27 | 11 54 | 1 0 | 13 41 | 2 8 | 20 42 | 0 7 | 11 7 | 0 54 | 24 13 | 2 1 | 12 26 | 12 10 | 4 34 | 8 43 | 0 55 | |
| M 23 | 22 3 13 | 12 0 | 16 25 | 23 1 58 | 9 12 | 2 12 | 19 27 | 1 26 | 11 53 | 1 0 | 13 43 | 2 8 | 20 43 | 0 7 | 11 7 | 0 54 | 24 13 | 2 1 | 12 26 | 12 11 | 4 32 | 8 44 | 0 55 | |
| T 24 | 22 11 9 22 | 0s58 | 25 29 | 2 1 | 9 36 | 2 12 | 19 17 | 1 25 | 11 52 | 1 0 | 13 45 | 2 8 | 20 43 | 0 7 | 11 7 | 0 54 | 24 13 | 2 1 | 12 26 | 12 13 | 4 30 | 8 45 | 0 55 | |
| W 25 | 22 19 4 58 | 2 9 | 25 33 | 2 3 | 10 0 | 2 12 | 19 7 | 1 25 | 11 51 | 1 0 | 13 47 | 2 8 | 20 44 | 0 7 | 11 7 | 0 54 | 24 13 | 2 1 | 12 26 | 12 14 | 4 28 | 8 46 | 0 55 | |
| T 26 | 22 26 0 17 | 3 13 | 25 34 | 2 4 | 10 23 | 2 13 | 18 57 | 1 24 | 11 50 | 1 1 | 13 49 | 2 8 | 20 45 | 0 7 | 11 6 | 0 54 | 24 13 | 2 1 | 12 27 | 12 15 | 4 26 | 8 47 | 0 55 | |
| F 27 | 22 33 4n26 | 4 4 | 25 34 | 2 4 | 10 46 | 2 12 | 18 47 | 1 23 | 11 49 | 1 1 | 13 51 | 2 8 | 20 46 | 0 7 | 11 6 | 0 54 | 24 13 | 2 1 | 12 28 | 12 16 | 4 24 | 8 48 | 0 55 | |
| S 28 | 22 40 8 54 | 4 41 | 25 31 | 2 4 | 11 9 | 2 12 | 18 37 | 1 23 | 11 48 | 1 1 | 13 53 | 2 8 | 20 46 | 0 7 | 11 6 | 0 54 | 24 12 | 2 1 | 12 30 | 12 17 | 4 22 | 8 48 | 0 55 | |
| S 29 | 22 46 12 51 | 5 0 | 25 26 | 2 3 | 11 32 | 2 12 | 18 26 | 1 22 | 11 48 | 1 2 | 13 55 | 2 8 | 20 47 | 0 7 | 11 6 | 0 54 | 24 12 | 2 1 | 12 33 | 12 18 | 4 20 | 8 49 | 0 55 | |
| M 3 | | | | | | | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1440

JUNE 1440 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | |
|------|----------|----------|--------|-------|--------|--------|-------|-------|-------|------|-------|--------|-------|-------|-------|---|---|---|---|---|---|---|--|
| W 1 | 17 13 12 | 18II4749 | 1☾ 0 | 10☾28 | 9♃37 | 14♄ 9 | 2♅ 0 | 13♆55 | 3II32 | 3♇32 | 18♈43 | 26°R27 | 27♉34 | 24♊47 | 20♋29 | | | | | | | | |
| T 2 | 17 17 8 | 19°45'05 | 14°13 | 12° 0 | 10°46 | 14°44 | 2° 2 | 14° 2 | 3°35 | 3°33 | 18°44 | 26♉19 | 27°30 | 24°54 | 20°32 | | | | | | | | |
| F 3 | 17 21 5 | 20°42'20 | 27° 5 | 13°30 | 11°55 | 15°19 | 2° 4 | 14° 9 | 3°38 | 3°34 | 18°46 | 26°13 | 27°27 | 25° 0 | 20°34 | | | | | | | | |
| S 4 | 17 25 1 | 21°39'34 | 9♄37 | 14°57 | 13° 5 | 15°54 | 2° 6 | 14°16 | 3°42 | 3°34 | 18°47 | 26° 9 | 27°24 | 25° 7 | 20°36 | | | | | | | | |
| S 5 | 17 28 58 | 22°36'48 | 21°52 | 16°21 | 14°14 | 16°29 | 2° 7 | 14°22 | 3°45 | 3°35 | 18°49 | 26°D 8 | 27°21 | 25°14 | 20°38 | | | | | | | | |
| M 6 | 17 32 55 | 23°34'01 | 3♊53 | 17°43 | 15°23 | 17° 5 | 2° 9 | 14°29 | 3°49 | 3°36 | 18°50 | 26° 8 | 27°18 | 25°20 | 20°41 | | | | | | | | |
| T 7 | 17 36 51 | 24°31'14 | 15°46 | 19° 2 | 16°33 | 17°40 | 2°10 | 14°36 | 3°52 | 3°37 | 18°52 | 26° 9 | 27°14 | 25°27 | 20°43 | | | | | | | | |
| W 8 | 17 40 48 | 25°28'26 | 27°35 | 20°19 | 17°42 | 18°15 | 2°11 | 14°42 | 3°55 | 3°38 | 18°53 | 26°R 9 | 27°11 | 25°34 | 20°45 | | | | | | | | |
| T 9 | 17 44 44 | 26°25'37 | 9♌27 | 21°33 | 18°52 | 18°50 | 2°11 | 14°49 | 3°59 | 3°40 | 18°55 | 26° 8 | 27° 8 | 25°40 | 20°47 | | | | | | | | |
| F 10 | 17 48 41 | 27°22'48 | 21°25 | 22°43 | 20° 2 | 19°26 | 2°12 | 14°55 | 4° 2 | 3°41 | 18°56 | 26° 5 | 27° 5 | 25°47 | 20°49 | | | | | | | | |
| S 11 | 17 52 37 | 28°19'58 | 3♍35 | 23°51 | 21°11 | 20° 1 | 2°12 | 15° 1 | 4° 5 | 3°42 | 18°58 | 26° 0 | 27° 2 | 25°54 | 20°51 | | | | | | | | |
| S 12 | 17 56 34 | 29°17'08 | 16° 1 | 24°56 | 22°21 | 20°37 | 2°R12 | 15° 8 | 4° 9 | 3°43 | 18°59 | 25°53 | 26°59 | 26° 0 | 20°53 | | | | | | | | |
| M13 | 18 0 30 | 0☾14'18 | 28°44 | 25°58 | 23°31 | 21°12 | 2°12 | 15°14 | 4°12 | 3°44 | 19° 1 | 25°45 | 26°55 | 26° 7 | 20°54 | | | | | | | | |
| T 14 | 18 4 27 | 1°11'28 | 11♌47 | 26°57 | 24°41 | 21°48 | 2°12 | 15°20 | 4°15 | 3°45 | 19° 2 | 25°35 | 26°52 | 26°14 | 20°56 | | | | | | | | |
| W15 | 18 8 23 | 2° 8'37 | 25° 8 | 27°53 | 25°51 | 22°24 | 2°12 | 15°27 | 4°18 | 3°47 | 19° 4 | 25°26 | 26°49 | 26°20 | 20°58 | | | | | | | | |
| T 16 | 18 12 20 | 3° 5'47 | 8♍47 | 28°45 | 27° 1 | 22°59 | 2°11 | 15°33 | 4°21 | 3°48 | 19° 5 | 25°19 | 26°46 | 26°27 | 21° 0 | | | | | | | | |
| F 17 | 18 16 17 | 4° 2'56 | 22°39 | 29°34 | 28°11 | 23°35 | 2°10 | 15°39 | 4°25 | 3°49 | 19° 7 | 25°13 | 26°43 | 26°34 | 21° 1 | | | | | | | | |
| S 18 | 18 20 13 | 5° 0'06 | 6♎42 | 0♄19 | 29°22 | 24°11 | 2° 9 | 15°45 | 4°28 | 3°50 | 19° 9 | 25° 9 | 26°40 | 26°40 | 21° 3 | | | | | | | | |
| S 19 | 18 24 10 | 5°57'16 | 20°51 | 1° 1 | 0II32 | 24°47 | 2° 8 | 15°51 | 4°31 | 3°52 | 19°10 | 25°D 8 | 26°36 | 26°47 | 21° 4 | | | | | | | | |
| M20 | 18 28 6 | 6°54'26 | 5♈ 4 | 1°38 | 1°42 | 25°23 | 2° 6 | 15°56 | 4°34 | 3°53 | 19°12 | 25° 8 | 26°33 | 26°54 | 21° 6 | | | | | | | | |
| T 21 | 18 32 3 | 7°51'36 | 19°18 | 2°12 | 2°53 | 25°59 | 2° 5 | 16° 2 | 4°37 | 3°55 | 19°13 | 25° 9 | 26°30 | 27° 0 | 21° 7 | | | | | | | | |
| W22 | 18 35 59 | 8°48'47 | 3♉30 | 2°42 | 4° 3 | 26°35 | 2° 3 | 16° 8 | 4°40 | 3°56 | 19°15 | 25°R10 | 26°27 | 27° 7 | 21° 9 | | | | | | | | |
| T 23 | 18 39 56 | 9°45'58 | 17°39 | 3° 7 | 5°14 | 27°11 | 2° 1 | 16°14 | 4°43 | 3°57 | 19°17 | 25°10 | 26°24 | 27°14 | 21°10 | | | | | | | | |
| F 24 | 18 43 53 | 10°43'10 | 1♊43 | 3°28 | 6°24 | 27°47 | 1°59 | 16°19 | 4°46 | 3°59 | 19°18 | 25° 8 | 26°20 | 27°20 | 21°11 | | | | | | | | |
| S 25 | 18 47 49 | 11°40'22 | 15°41 | 3°45 | 7°35 | 28°24 | 1°57 | 16°25 | 4°49 | 4° 0 | 19°20 | 25° 5 | 26°17 | 27°27 | 21°12 | | | | | | | | |
| S 26 | 18 51 46 | 12°37'35 | 29°30 | 3°57 | 8°46 | 29° 0 | 1°54 | 16°30 | 4°52 | 4° 2 | 19°22 | 24°59 | 26°14 | 27°34 | 21°14 | | | | | | | | |
| M27 | 18 55 42 | 13°34'49 | 13II 9 | 4° 4 | 9°57 | 29°36 | 1°51 | 16°36 | 4°55 | 4° 3 | 19°23 | 24°53 | 26°11 | 27°40 | 21°15 | | | | | | | | |
| T 28 | 18 59 39 | 14°32'03 | 26°34 | 4°R 7 | 11° 8 | 0III13 | 1°48 | 16°41 | 4°58 | 4° 5 | 19°25 | 24°46 | 26° 8 | 27°47 | 21°16 | | | | | | | | |
| W29 | 19 3 35 | 15°29'17 | 9♌45 | 4° 4 | 12°19 | 0°49 | 1°45 | 16°46 | 5° 1 | 4° 7 | 19°26 | 24°40 | 26° 5 | 27°54 | 21°17 | | | | | | | | |
| T 30 | 19 7 32 | 16°26'32 | 22☾40 | 3♄57 | 13II30 | 1♊26 | 1♈42 | 16♃52 | 5II 4 | 4♊ 8 | 19°28 | 24♄35 | 26♄ 1 | 28♊ 0 | 21♋18 | | | | | | | | |

| Day | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | | | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | |
| W 1 | 23n 2 | 19n21 | 4s10 | 25n 0 | 1n55 | 12n40 | 2s11 | 17n54 | 1n20 | 11s46 | 1s 2 | 14n 1 | 2s 9 | 20n49 | 0s 6 | 11n 5 | 0n54 | 24n12 | 2n 1 | 12n44 | 12n21 | 4n15 | 8n52 | 0n54 |
| T 2 | 23 7 | 19 22 | 3 24 | 24 49 | 1 51 | 13 2 | 2 10 | 17 44 | 1 19 | 11 45 | 1 3 | 14 3 | 2 9 | 20 50 | 0 6 | 11 4 | 0 54 | 24 12 | 2 1 | 12 47 | 12 22 | 4 13 | 8 53 | 0 54 |
| F 3 | 23 11 | 18 23 | 2 28 | 24 35 | 1 46 | 13 24 | 2 9 | 17 33 | 1 19 | 11 45 | 1 3 | 14 5 | 2 9 | 20 50 | 0 6 | 11 4 | 0 54 | 24 11 | 2 1 | 12 49 | 12 24 | 4 11 | 8 54 | 0 54 |
| S 4 | 23 15 | 16 30 | 1 27 | 24 21 | 1 41 | 13 46 | 2 9 | 17 21 | 1 18 | 11 45 | 1 3 | 14 7 | 2 9 | 20 51 | 0 6 | 11 4 | 0 54 | 24 11 | 2 1 | 12 50 | 12 25 | 4 9 | 8 55 | 0 54 |
| S 5 | 23 18 | 13 54 | 0 23 | 24 5 | 1 35 | 14 7 | 2 8 | 17 10 | 1 17 | 11 44 | 1 4 | 14 9 | 2 9 | 20 51 | 0 6 | 11 3 | 0 54 | 24 11 | 2 1 | 12 51 | 12 26 | 4 7 | 8 55 | 0 54 |
| M 6 | 23 21 | 10 45 | 0n41 | 23 48 | 1 29 | 14 29 | 2 7 | 16 59 | 1 17 | 11 44 | 1 4 | 14 11 | 2 9 | 20 52 | 0 6 | 11 3 | 0 54 | 24 11 | 2 1 | 12 51 | 12 27 | 4 5 | 8 56 | 0 54 |
| T 7 | 23 24 | 7 13 | 1 43 | 23 30 | 1 22 | 14 49 | 2 6 | 16 48 | 1 16 | 11 44 | 1 4 | 14 12 | 2 9 | 20 53 | 0 6 | 11 2 | 0 54 | 24 11 | 2 1 | 12 50 | 12 28 | 4 3 | 8 57 | 0 54 |
| W 8 | 23 26 | 3 25 | 2 40 | 23 11 | 1 14 | 15 10 | 2 5 | 16 36 | 1 16 | 11 44 | 1 4 | 14 14 | 2 9 | 20 53 | 0 6 | 11 2 | 0 54 | 24 11 | 2 1 | 12 50 | 12 29 | 4 1 | 8 58 | 0 54 |
| T 9 | 23 28 | 0s32 | 3 30 | 22 51 | 1 6 | 15 30 | 2 3 | 16 24 | 1 15 | 11 44 | 1 5 | 14 16 | 2 9 | 20 54 | 0 6 | 11 2 | 0 54 | 24 10 | 2 1 | 12 51 | 12 30 | 3 59 | 8 58 | 0 54 |
| F 10 | 23 29 | 4 29 | 4 12 | 22 31 | 0 57 | 15 50 | 2 2 | 16 13 | 1 14 | 11 44 | 1 5 | 14 18 | 2 9 | 20 55 | 0 6 | 11 1 | 0 54 | 24 10 | 2 1 | 12 52 | 12 31 | 3 57 | 8 59 | 0 54 |
| S 11 | 23 30 | 8 19 | 4 43 | 22 10 | 0 47 | 16 10 | 2 1 | 16 1 | 1 14 | 11 44 | 1 5 | 14 20 | 2 10 | 20 55 | 0 6 | 11 1 | 0 54 | 24 10 | 2 1 | 12 53 | 12 32 | 3 55 | 9 0 | 0 54 |
| S 12 | 23 30 | 11 52 | 5 1 | 21 49 | 0 37 | 16 29 | 1 59 | 15 49 | 1 13 | 11 44 | 1 6 | 14 21 | 2 10 | 20 56 | 0 6 | 11 0 | 0 54 | 24 10 | 2 2 | 12 56 | 12 33 | 3 53 | 9 0 | 0 54 |
| M13 | 23 31 | 14 58 | 5 5 | 21 27 | 0 27 | 16 48 | 1 58 | 15 37 | 1 12 | 11 45 | 1 6 | 14 23 | 2 10 | 20 57 | 0 6 | 11 0 | 0 54 | 24 10 | 2 2 | 12 59 | 12 34 | 3 51 | 9 1 | 0 54 |
| T 14 | 23 30 | 17 25 | 4 54 | 21 5 | 0 16 | 17 7 | 1 56 | 15 25 | 1 12 | 11 45 | 1 6 | 14 25 | 2 10 | 20 57 | 0 6 | 11 0 | 0 54 | 24 10 | 2 2 | 13 2 | 12 36 | 3 49 | 9 2 | 0 54 |
| W15 | 23 30 | 18 59 | 4 26 | 20 43 | 0 4 | 17 25 | 1 55 | 15 12 | 1 11 | 11 46 | 1 7 | 14 26 | 2 10 | 20 58 | 0 6 | 10 59 | 0 54 | 24 9 | 2 2 | 13 5 | 12 37 | 3 47 | 9 2 | 0 54 |
| T 16 | 23 28 | 19 31 | 3 43 | 20 20 | 0s 8 | 17 43 | 1 53 | 15 0 | 1 10 | 11 46 | 1 7 | 14 28 | 2 10 | 20 58 | 0 6 | 10 59 | 0 54 | 24 9 | 2 2 | 13 7 | 12 38 | 3 45 | 9 3 | 0 54 |
| F 17 | 23 27 | 18 53 | 2 46 | 19 58 | 0 20 | 18 1 | 1 51 | 14 48 | 1 10 | 11 47 | 1 7 | 14 30 | 2 10 | 20 59 | 0 6 | 10 58 | 0 54 | 24 9 | 2 2 | 13 9 | 12 39 | 3 43 | 9 4 | 0 54 |
| S 18 | 23 25 | 17 5 | 1 38 | 19 36 | 0 33 | 18 18 | 1 49 | 14 35 | 1 9 | 11 47 | 1 7 | 14 31 | 2 10 | 21 0 | 0 6 | 10 58 | 0 54 | 24 9 | 2 2 | 13 10 | 12 40 | 3 41 | 9 4 | 0 54 |
| S 19 | 23 23 | 14 13 | 0 23 | 19 14 | 0 47 | 18 34 | 1 47 | 14 23 | 1 9 | 11 48 | 1 8 | 14 33 | 2 11 | 21 0 | 0 6 | 10 57 | 0 54 | 24 9 | 2 2 | 13 11 | 12 41 | 3 40 | 9 5 | 0 54 |
| M20 | 23 20 | 10 30 | 0s53 | 18 53 | 1 0 | 18 51 | 1 45 | 14 10 | 1 8 | 11 49 | 1 8 | 14 34 | 2 11 | 21 1 | 0 6 | 10 57 | 0 53 | 24 9 | 2 2 | 13 11 | 12 42 | 3 38 | 9 5 | 0 54 |
| T 21 | 23 17 | 6 11 | 2 7 | 18 31 | 1 14 | 19 6 | 1 43 | 13 57 | 1 7 | 11 50 | 1 8 | 14 36 | 2 11 | 21 1 | 0 6 | 10 56 | 0 53 | 24 8 | 2 2 | 13 10 | 12 43 | 3 36 | 9 6 | 0 54 |
| W22 | 23 13 | 1 33 | 3 12 | 18 11 | 1 28 | 19 22 | 1 41 | 13 44 | 1 7 | 11 51 | 1 9 | 14 37 | 2 11 | 21 2 | 0 6 | 10 56 | 0 53 | 24 8 | 2 2 | 13 10 | 12 44 | 3 34 | 9 6 | 0 54 |
| T 23 | 23 9 | 3n10 | 4 6 | 17 51 | 1 43 | 19 37 | 1 39 | 13 31 | 1 6 | 11 52 | 1 9 | 14 39 | 2 11 | 21 2 | 0 6 | 10 55 | 0 53 | 24 8 | 2 2 | 13 10 | 12 45 | 3 32 | 9 7 | 0 54 |
| F 24 | 23 5 | 7 40 | 4 44 | 17 32 | 1 57 | 19 51 | 1 37 | 13 18 | 1 5 | 11 53 | 1 9 | 14 40 | 2 11 | 21 3 | 0 6 | 10 54 | 0 53 | 24 8 | 2 2 | 13 11 | 12 46 | 3 30 | 9 7 | 0 54 |
| S 25 | 23 0 | 11 43 | 5 5 | 17 14 | 2 12 | 20 5 | 1 35 | 13 5 | 1 5 | 11 54 | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1440

JULY 1440 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|--------|--------|-------|-------|-------|-------|------|------|-------|--------|-------|-------|--------|
| F 1 | 19 11 28 | 17°23'48 | 5♁19 | 3°R45 | 14♁41 | 2♁ 2 | 1°R38 | 16♁57 | 5♁ 7 | 4♁10 | 19°30 | 24°R32 | 25♁58 | 28♁ 7 | 21°V19 |
| S 2 | 19 15 25 | 18°21'03 | 17°42 | 3♁29 | 15°52 | 2°39 | 1°K35 | 17° 2 | 5°10 | 4°11 | 19°31 | 24♁30 | 25°55 | 28°14 | 21°19 |
| S 3 | 19 19 22 | 19°18'19 | 29°52 | 3° 7 | 17° 3 | 3°15 | 1°31 | 17° 7 | 5°12 | 4°13 | 19°33 | 24°D30 | 25°52 | 28°20 | 21°20 |
| M 4 | 19 23 18 | 20°15'36 | 11♁50 | 2°42 | 18°14 | 3°52 | 1°27 | 17°12 | 5°15 | 4°15 | 19°35 | 24°31 | 25°49 | 28°27 | 21°21 |
| T 5 | 19 27 15 | 21°12'53 | 23°42 | 2°12 | 19°25 | 4°29 | 1°23 | 17°17 | 5°18 | 4°17 | 19°36 | 24°33 | 25°46 | 28°34 | 21°22 |
| W 6 | 19 31 11 | 22°10'10 | 5♁32 | 1°38 | 20°37 | 5° 6 | 1°18 | 17°21 | 5°20 | 4°18 | 19°38 | 24°34 | 25°42 | 28°40 | 21°22 |
| T 7 | 19 35 8 | 23° 7'27 | 17°23 | 1° 2 | 21°48 | 5°43 | 1°14 | 17°26 | 5°23 | 4°20 | 19°40 | 24°35 | 25°39 | 28°47 | 21°23 |
| F 8 | 19 39 4 | 24° 4'45 | 29°22 | 0°22 | 23° 0 | 6°20 | 1° 9 | 17°30 | 5°26 | 4°22 | 19°41 | 24°R35 | 25°36 | 28°54 | 21°23 |
| S 9 | 19 43 1 | 25° 2'03 | 11♁33 | 29°41 | 24°11 | 6°57 | 1° 4 | 17°35 | 5°28 | 4°24 | 19°43 | 24°34 | 25°33 | 29° 0 | 21°24 |
| S 10 | 19 46 57 | 25°59'22 | 24° 0 | 28°57 | 25°23 | 7°34 | 0°59 | 17°39 | 5°31 | 4°25 | 19°44 | 24°32 | 25°30 | 29° 7 | 21°24 |
| M11 | 19 50 54 | 26°56'42 | 6♁47 | 28°14 | 26°34 | 8°11 | 0°54 | 17°44 | 5°33 | 4°27 | 19°46 | 24°28 | 25°26 | 29°14 | 21°25 |
| T 12 | 19 54 51 | 27°54'02 | 19°56 | 27°30 | 27°46 | 8°48 | 0°49 | 17°48 | 5°36 | 4°29 | 19°48 | 24°24 | 25°23 | 29°20 | 21°25 |
| W13 | 19 58 47 | 28°51'22 | 3♁38 | 26°47 | 28°58 | 9°25 | 0°43 | 17°52 | 5°38 | 4°31 | 19°49 | 24°21 | 25°20 | 29°27 | 21°25 |
| T 14 | 20 2 44 | 29°48'44 | 17°22 | 26° 5 | 0♁10 | 10° 2 | 0°38 | 17°56 | 5°41 | 4°33 | 19°51 | 24°17 | 25°17 | 29°34 | 21°25 |
| F 15 | 20 6 40 | 0♁46'06 | 1♁35 | 25°27 | 1°21 | 10°40 | 0°32 | 18° 0 | 5°43 | 4°35 | 19°53 | 24°15 | 25°14 | 29°40 | 21°25 |
| S 16 | 20 10 37 | 1°43'29 | 16° 2 | 24°51 | 2°33 | 11°17 | 0°26 | 18° 4 | 5°45 | 4°37 | 19°54 | 24°14 | 25°11 | 29°47 | 21°25 |
| S 17 | 20 14 33 | 2°40'53 | 0♁38 | 24°19 | 3°45 | 11°54 | 0°20 | 18° 8 | 5°48 | 4°39 | 19°56 | 24°D14 | 25° 7 | 29°54 | 21°R25 |
| M18 | 20 18 30 | 3°38'18 | 15°16 | 23°52 | 4°57 | 12°32 | 0°14 | 18°12 | 5°50 | 4°41 | 19°57 | 24°14 | 25° 4 | 0♁ 0 | 21°25 |
| T 19 | 20 22 26 | 4°35'45 | 29°50 | 23°29 | 6° 9 | 13° 9 | 0° 8 | 18°15 | 5°52 | 4°43 | 19°59 | 24°16 | 25° 1 | 0° 7 | 21°25 |
| W20 | 20 26 23 | 5°33'12 | 14°V17 | 23°13 | 7°22 | 13°47 | 0° 1 | 18°19 | 5°54 | 4°45 | 20° 1 | 24°17 | 24°58 | 0°14 | 21°25 |
| T 21 | 20 30 20 | 6°30'41 | 28°32 | 23° 2 | 8°34 | 14°24 | 29°55 | 18°22 | 5°56 | 4°47 | 20° 2 | 24°18 | 24°55 | 0°20 | 21°25 |
| F 22 | 20 34 16 | 7°28'12 | 12♁34 | 22°D58 | 9°46 | 15° 2 | 29°48 | 18°26 | 5°58 | 4°49 | 20° 4 | 24°R18 | 24°51 | 0°27 | 21°25 |
| S 23 | 20 38 13 | 8°25'43 | 26°21 | 23° 0 | 10°58 | 15°40 | 29°41 | 18°29 | 6° 0 | 4°51 | 20° 5 | 24°17 | 24°48 | 0°34 | 21°24 |
| S 24 | 20 42 9 | 9°23'17 | 9♁53 | 23° 9 | 12°11 | 16°18 | 29°34 | 18°32 | 6° 2 | 4°53 | 20° 7 | 24°16 | 24°45 | 0°40 | 21°24 |
| M25 | 20 46 6 | 10°20'51 | 23°10 | 23°25 | 13°23 | 16°55 | 29°27 | 18°35 | 6° 4 | 4°55 | 20° 8 | 24°14 | 24°42 | 0°47 | 21°24 |
| T 26 | 20 50 2 | 11°18'28 | 6♁12 | 23°49 | 14°36 | 17°33 | 29°20 | 18°38 | 6° 6 | 4°57 | 20°10 | 24°12 | 24°39 | 0°54 | 21°23 |
| W27 | 20 53 59 | 12°16'05 | 19° 0 | 24°19 | 15°48 | 18°11 | 29°13 | 18°41 | 6° 8 | 4°59 | 20°12 | 24°11 | 24°36 | 1° 1 | 21°23 |
| T 28 | 20 57 55 | 13°13'44 | 1♁35 | 24°56 | 17° 1 | 18°49 | 29° 6 | 18°44 | 6°10 | 5° 1 | 20°13 | 24° 9 | 24°32 | 1° 7 | 21°22 |
| F 29 | 21 1 52 | 14°11'24 | 13°57 | 25°40 | 18°13 | 19°27 | 28°58 | 18°47 | 6°12 | 5° 3 | 20°15 | 24° 9 | 24°29 | 1°14 | 21°21 |
| S 30 | 21 5 49 | 15° 9'06 | 26° 9 | 26°31 | 19°26 | 20° 5 | 28°51 | 18°49 | 6°14 | 5° 5 | 20°16 | 24°D 9 | 24°26 | 1°21 | 21°21 |
| S 31 | 21 9 45 | 16♁ 6'48 | 8♁10 | 27°29 | 20°39 | 20♁43 | 28°44 | 18♁52 | 6♁15 | 5♁ 7 | 20°18 | 24♁ 9 | 24♁23 | 1♁27 | 21°V20 |

| Day | ☉ | | ☽ | | ♀ | | ♁ | | ♂ | | ♃ | | ♅ | | ♁ | | ♁ | | ♁ | | ♁ | | |
|------|---------|-------|--------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|------|------|
| | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | |
| F 1 | 22n22 | 17n20 | 1s43 | 15n51 | 3s37 | 21n18 | 1s20 | 11n44 | 1n 1 | 12s 2 | 1s11 | 14n50 | 2s12 | 21n 7 | 0s 6 | 10n50 | 0n53 | 24n 7 | 2n 3 | 13n23 | 12n54 | 3n16 | 9n10 |
| S 2 | 22 15 | 14 59 | 0 37 | 15 42 | 3 50 | 21 28 | 1 18 | 11 30 | 1 0 | 12 3 | 1 11 | 14 51 | 2 12 | 21 7 | 0 6 | 10 50 | 0 53 | 24 6 | 2 3 | 13 24 | 12 55 | 3 14 | 9 10 |
| S 3 | 22 7 | 12 1 | 0n29 | 15 36 | 4 2 | 21 38 | 1 15 | 11 16 | 1 0 | 12 5 | 1 12 | 14 52 | 2 13 | 21 8 | 0 6 | 10 49 | 0 53 | 24 6 | 2 3 | 13 24 | 12 56 | 3 12 | 9 10 |
| M 4 | 21 59 | 8 35 | 1 33 | 15 30 | 4 13 | 21 47 | 1 13 | 11 2 | 0 59 | 12 7 | 1 12 | 14 54 | 2 13 | 21 8 | 0 6 | 10 48 | 0 53 | 24 6 | 2 3 | 13 23 | 12 57 | 3 10 | 9 11 |
| T 5 | 21 50 | 4 51 | 2 33 | 15 27 | 4 23 | 21 55 | 1 10 | 10 48 | 0 59 | 12 8 | 1 12 | 14 55 | 2 13 | 21 9 | 0 6 | 10 48 | 0 53 | 24 6 | 2 3 | 13 23 | 12 58 | 3 8 | 9 11 |
| W 6 | 21 41 | 0 57 | 3 26 | 15 26 | 4 32 | 22 3 | 1 7 | 10 34 | 0 58 | 12 10 | 1 13 | 14 56 | 2 13 | 21 9 | 0 6 | 10 47 | 0 53 | 24 6 | 2 3 | 13 22 | 12 59 | 3 6 | 9 11 |
| T 7 | 21 31 | 3s 0 | 4 10 | 15 26 | 4 40 | 22 11 | 1 5 | 10 20 | 0 57 | 12 12 | 1 13 | 14 57 | 2 13 | 21 10 | 0 6 | 10 47 | 0 53 | 24 6 | 2 3 | 13 22 | 13 0 | 3 4 | 9 11 |
| F 8 | 21 21 | 6 51 | 4 44 | 15 29 | 4 46 | 22 18 | 1 2 | 10 6 | 0 57 | 12 14 | 1 13 | 14 58 | 2 14 | 21 10 | 0 6 | 10 46 | 0 53 | 24 5 | 2 3 | 13 22 | 13 1 | 3 2 | 9 11 |
| S 9 | 21 11 | 10 30 | 5 6 | 15 33 | 4 50 | 22 24 | 0 59 | 9 51 | 0 56 | 12 16 | 1 13 | 14 59 | 2 14 | 21 11 | 0 6 | 10 45 | 0 53 | 24 5 | 2 3 | 13 22 | 13 3 | 3 0 | 9 12 |
| S 10 | 21 1 13 | 14 5 | 5 14 | 15 38 | 4 53 | 22 29 | 0 56 | 9 37 | 0 55 | 12 18 | 1 14 | 15 0 | 2 14 | 21 11 | 0 6 | 10 45 | 0 53 | 24 5 | 2 3 | 13 23 | 13 4 | 2 58 | 9 12 |
| M11 | 20 50 | 16 28 | 5 7 | 15 46 | 4 55 | 22 34 | 0 54 | 9 22 | 0 55 | 12 20 | 1 14 | 15 1 | 2 14 | 21 11 | 0 6 | 10 44 | 0 53 | 24 5 | 2 3 | 13 24 | 13 5 | 2 56 | 9 12 |
| T 12 | 20 39 | 18 25 | 4 43 | 15 55 | 4 54 | 22 39 | 0 51 | 9 8 | 0 54 | 12 22 | 1 14 | 15 2 | 2 14 | 21 12 | 0 6 | 10 43 | 0 53 | 24 5 | 2 3 | 13 26 | 13 6 | 2 54 | 9 12 |
| W13 | 20 27 | 19 24 | 4 4 16 | 5 4 | 4 52 | 22 42 | 0 48 | 8 53 | 0 54 | 12 24 | 1 14 | 15 3 | 2 14 | 21 12 | 0 6 | 10 42 | 0 53 | 24 5 | 2 3 | 13 27 | 13 7 | 2 52 | 9 12 |
| T 14 | 20 15 | 19 15 | 3 9 | 16 17 | 4 48 | 22 45 | 0 45 | 8 39 | 0 53 | 12 27 | 1 15 | 15 4 | 2 15 | 21 13 | 0 6 | 10 42 | 0 53 | 24 4 | 2 3 | 13 28 | 13 8 | 2 50 | 9 12 |
| F 15 | 20 3 17 | 53 2 | 2 16 | 30 4 | 4 42 | 22 48 | 0 42 | 8 24 | 0 52 | 12 29 | 1 15 | 15 5 | 2 15 | 21 13 | 0 6 | 10 41 | 0 53 | 24 4 | 2 4 | 13 29 | 13 9 | 2 48 | 9 12 |
| S 16 | 19 50 | 15 22 | 0 45 | 16 43 | 4 34 | 22 50 | 0 40 | 8 9 | 0 52 | 12 31 | 1 15 | 15 6 | 2 15 | 21 14 | 0 6 | 10 40 | 0 53 | 24 4 | 2 4 | 13 29 | 13 10 | 2 46 | 9 12 |
| S 17 | 19 37 | 11 50 | 0s35 | 16 58 | 4 25 | 22 51 | 0 37 | 7 54 | 0 51 | 12 34 | 1 15 | 15 7 | 2 15 | 21 14 | 0 6 | 10 40 | 0 53 | 24 4 | 2 4 | 13 29 | 13 11 | 2 44 | 9 12 |
| M18 | 19 24 | 7 34 | 1 54 | 17 13 | 4 15 | 22 51 | 0 34 | 7 39 | 0 50 | 12 36 | 1 15 | 15 8 | 2 15 | 21 14 | 0 6 | 10 39 | 0 53 | 24 4 | 2 4 | 13 29 | 13 12 | 2 42 | 9 12 |
| T 19 | 19 10 | 2 53 | 3 4 | 17 28 | 4 3 | 22 51 | 0 31 | 7 24 | 0 50 | 12 38 | 1 16 | 15 9 | 2 16 | 21 15 | 0 6 | 10 38 | 0 53 | 24 4 | 2 4 | 13 28 | 13 13 | 2 40 | 9 12 |
| W20 | 18 56 | 1n55 | 4 2 | 17 43 | 3 50 | 22 50 | 0 28 | 7 9 | 0 49 | 12 41 | 1 16 | 15 9 | 2 16 | 21 15 | 0 6 | 10 37 | 0 53 | 24 3 | 2 4 | 13 28 | 13 14 | 2 38 | 9 12 |
| T 21 | 18 42 | 6 33 | 4 45 | 17 59 | 3 36 | 22 49 | 0 25 | 6 54 | 0 49 | 12 43 | 1 16 | 15 10 | 2 16 | 21 16 | 0 6 | 10 37 | 0 53 | 24 3 | 2 4 | 13 28 | 13 15 | 2 36 | 9 12 |
| F 22 | 18 27 | 10 44 | 5 10 | 18 14 | 3 22 | 22 47 | 0 22 | 6 39 | 0 48 | 12 46 | 1 16 | 15 11 | 2 16 | 21 16 | 0 6 | 10 36 | 0 53 | 24 3 | 2 4 | 13 28 | 13 16 | 2 34 | 9 12 |
| S 23 | 18 13 | 14 16 | 5 16 | 18 29 | 3 6 | 22 44 | 0 19 | 6 24 | 0 47 | 12 49 | 1 17 | 15 12 | 2 16 | 21 16 | 0 6 | 10 35 | 0 53 | 24 3 | 2 4 | 13 28 | 13 18 | 2 32 | 9 11 |
| S 24 | 17 57 | 16 59 | 5 5 | 18 43 | 2 50 | 22 40 | 0 17 | 6 9 | 0 47 | 12 51 | 1 17 | 15 12 | 2 17 | 21 17 | 0 6 | 10 35 | 0 53 | 24 3 | 2 4 | 13 28 | 13 19 | 2 30 | 9 11 |
| M25 | | | | | | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1440

AUGUST 1440 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|-------|-------|-------|-------|-------|--------|------|------|-------|--------|-------|------|-------|
| M 1 | 21 13 42 | 17♏ 4'32 | 20♏ 5 | 28♄33 | 21♁51 | 21♏22 | 28♃36 | 18♂54 | 6♁17 | 5♏ 9 | 20♁19 | 24♏ 9 | 24♏20 | 1♁34 | 21♃19 |
| T 2 | 21 17 38 | 18° 2'17 | 1♁55 | 29°43 | 23° 4 | 22° 0 | 28♁28 | 18°56 | 6°19 | 5°12 | 20°21 | 24°10 | 24°17 | 1°41 | 21♏18 |
| W 3 | 21 21 35 | 19° 0'04 | 1♁54 | 0♏59 | 24°17 | 22°38 | 28°21 | 18°59 | 6°20 | 5°14 | 20°22 | 24°11 | 24°13 | 1°47 | 21°17 |
| T 4 | 21 25 31 | 19°57'51 | 25°35 | 2°21 | 25°30 | 23°16 | 28°13 | 19° 1 | 6°22 | 5°16 | 20°24 | 24°11 | 24°10 | 1°54 | 21°16 |
| F 5 | 21 29 28 | 20°55'40 | 7♁33 | 3°48 | 26°43 | 23°55 | 28° 5 | 19° 3 | 6°23 | 5°18 | 20°25 | 24°11 | 24° 7 | 2° 1 | 21°15 |
| S 6 | 21 33 24 | 21°53'30 | 19°42 | 5°19 | 27°56 | 24°33 | 27°57 | 19° 5 | 6°25 | 5°20 | 20°26 | 24°R11 | 24° 4 | 2° 7 | 21°14 |
| S 7 | 21 37 21 | 22°51'21 | 2♁ 6 | 6°56 | 29° 9 | 25°12 | 27°50 | 19° 6 | 6°26 | 5°22 | 20°28 | 24°11 | 24° 1 | 2°14 | 21°13 |
| M 8 | 21 41 18 | 23°49'14 | 14°50 | 8°36 | 0♏22 | 25°50 | 27°42 | 19° 8 | 6°27 | 5°25 | 20°29 | 24°D11 | 23°57 | 2°21 | 21°12 |
| T 9 | 21 45 14 | 24°47'08 | 27°58 | 10°20 | 1°36 | 26°29 | 27°34 | 19°10 | 6°29 | 5°27 | 20°31 | 24°11 | 23°54 | 2°27 | 21°11 |
| W10 | 21 49 11 | 25°45'03 | 11♁31 | 12° 7 | 2°49 | 27° 8 | 27°26 | 19°11 | 6°30 | 5°29 | 20°32 | 24°12 | 23°51 | 2°34 | 21° 9 |
| T 11 | 21 53 7 | 26°43'00 | 25°30 | 13°56 | 4° 2 | 27°46 | 27°18 | 19°12 | 6°31 | 5°31 | 20°33 | 24°12 | 23°48 | 2°41 | 21° 8 |
| F 12 | 21 57 4 | 27°40'58 | 9♁53 | 15°48 | 5°15 | 28°25 | 27°10 | 19°14 | 6°32 | 5°33 | 20°35 | 24°12 | 23°45 | 2°47 | 21° 7 |
| S 13 | 22 1 0 | 28°38'57 | 24°36 | 17°41 | 6°29 | 29° 4 | 27° 2 | 19°15 | 6°33 | 5°36 | 20°36 | 24°R12 | 23°42 | 2°54 | 21° 5 |
| S 14 | 22 4 57 | 29°36'58 | 9♁32 | 19°36 | 7°42 | 29°43 | 26°54 | 19°16 | 6°34 | 5°38 | 20°38 | 24°12 | 23°38 | 3° 1 | 21° 4 |
| M15 | 22 8 53 | 0♏35'01 | 24°33 | 21°32 | 8°56 | 0♁22 | 26°46 | 19°17 | 6°35 | 5°40 | 20°39 | 24°12 | 23°35 | 3° 7 | 21° 2 |
| T 16 | 22 12 50 | 1°33'05 | 9♏32 | 23°29 | 10° 9 | 1° 1 | 26°39 | 19°18 | 6°36 | 5°42 | 20°40 | 24°11 | 23°32 | 3°14 | 21° 0 |
| W17 | 22 16 46 | 2°31'12 | 24°19 | 25°26 | 11°23 | 1°40 | 26°31 | 19°18 | 6°37 | 5°44 | 20°41 | 24°10 | 23°29 | 3°21 | 20°59 |
| T 18 | 22 20 43 | 3°29'20 | 8♁49 | 27°23 | 12°36 | 2°19 | 26°23 | 19°19 | 6°38 | 5°47 | 20°43 | 24° 9 | 23°26 | 3°27 | 20°57 |
| F 19 | 22 24 40 | 4°27'31 | 22°38 | 29°19 | 13°50 | 2°58 | 26°15 | 19°20 | 6°39 | 5°49 | 20°44 | 24° 8 | 23°23 | 3°34 | 20°55 |
| S 20 | 22 28 36 | 5°25'44 | 6♁45 | 1♏16 | 15° 4 | 3°37 | 26° 7 | 19°20 | 6°40 | 5°51 | 20°45 | 24°D 8 | 23°19 | 3°41 | 20°54 |
| S 21 | 22 32 33 | 6°23'58 | 20° 9 | 3°12 | 16°17 | 4°16 | 26° 0 | 19°20 | 6°40 | 5°53 | 20°46 | 24° 9 | 23°16 | 3°47 | 20°52 |
| M22 | 22 36 29 | 7°22'15 | 3♁13 | 5° 7 | 17°31 | 4°55 | 25°52 | 19°20 | 6°41 | 5°56 | 20°48 | 24° 9 | 23°13 | 3°54 | 20°50 |
| T 23 | 22 40 26 | 8°20'34 | 15°59 | 7° 2 | 18°45 | 5°35 | 25°45 | 19°R20 | 6°42 | 5°58 | 20°49 | 24°11 | 23°10 | 4° 1 | 20°48 |
| W24 | 22 44 22 | 9°18'55 | 28°30 | 8°56 | 19°59 | 6°14 | 25°37 | 19°20 | 6°42 | 6° 0 | 20°50 | 24°12 | 23° 7 | 4° 7 | 20°46 |
| T 25 | 22 48 19 | 10°17'18 | 10♏48 | 10°49 | 21°13 | 6°54 | 25°30 | 19°20 | 6°43 | 6° 2 | 20°51 | 24°13 | 23° 3 | 4°14 | 20°44 |
| F 26 | 22 52 15 | 11°15'43 | 22°56 | 12°40 | 22°27 | 7°33 | 25°22 | 19°20 | 6°43 | 6° 4 | 20°52 | 24°R13 | 23° 0 | 4°21 | 20°42 |
| S 27 | 22 56 12 | 12°14'10 | 4♏56 | 14°31 | 23°41 | 8°13 | 25°15 | 19°20 | 6°43 | 6° 7 | 20°53 | 24°13 | 22°57 | 4°27 | 20°40 |
| S 28 | 23 0 9 | 13°12'39 | 16°50 | 16°21 | 24°55 | 8°52 | 25° 8 | 19°19 | 6°44 | 6° 9 | 20°55 | 24°12 | 22°54 | 4°34 | 20°38 |
| M29 | 23 4 5 | 14°11'09 | 28°41 | 18°10 | 26° 9 | 9°32 | 25° 1 | 19°19 | 6°44 | 6°11 | 20°56 | 24° 9 | 22°51 | 4°41 | 20°36 |
| T 30 | 23 8 2 | 15° 9'42 | 10♁30 | 19°58 | 27°23 | 10°12 | 24°54 | 19°18 | 6°44 | 6°13 | 20°57 | 24° 6 | 22°48 | 4°47 | 20°34 |
| W31 | 23 11 58 | 16♏ 8'16 | 22♁20 | 21♏45 | 28♏37 | 10♁52 | 24♁47 | 19♁17 | 6♁44 | 6♏16 | 20♁58 | 24♏ 3 | 22♏44 | 4♁54 | 20♏31 |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | | | | | | | | | |
|------|-------|-------|------|-------|------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| M 1 | 15n46 | 6n 4 | 2n19 | 19n53 | 0s39 | 21n50 | 0n 6 | 4n 5 | 0n42 | 13s13 | 1s18 | 15n17 | 2s18 | 21n19 | 0s 6 | 10n28 | 0n53 | 24n 2 | 2n 5 | 13n31 | 13n27 | 2n14 | 9n 9 | 0n53 |
| T 2 | 15 28 | 2 13 | 3 15 | 19 53 | 0 24 | 21 40 | 0 9 | 3 49 | 0 41 | 13 16 | 1 18 | 15 17 | 2 18 | 21 19 | 0 6 | 10 28 | 0 53 | 24 1 | 2 5 | 13 30 | 13 28 | 2 12 | 9 9 | 0 53 |
| W 3 | 15 10 | 1s43 | 4 2 | 19 51 | 0 9 | 21 30 | 0 11 | 3 33 | 0 41 | 13 19 | 1 18 | 15 18 | 2 19 | 21 20 | 0 6 | 10 27 | 0 53 | 24 1 | 2 5 | 13 30 | 13 29 | 2 10 | 9 8 | 0 53 |
| T 4 | 14 52 | 5 35 | 4 39 | 19 46 | 0n 5 | 21 20 | 0 14 | 3 17 | 0 40 | 13 21 | 1 19 | 15 18 | 2 19 | 21 20 | 0 6 | 10 26 | 0 53 | 24 1 | 2 5 | 13 30 | 13 30 | 2 8 | 9 8 | 0 53 |
| F 5 | 14 34 | 9 16 | 5 4 | 19 39 | 0 18 | 21 9 | 0 17 | 3 2 | 0 39 | 13 24 | 1 19 | 15 18 | 2 19 | 21 20 | 0 6 | 10 25 | 0 53 | 24 1 | 2 5 | 13 30 | 13 31 | 2 6 | 9 8 | 0 53 |
| S 6 | 14 15 | 12 38 | 5 17 | 19 29 | 0 30 | 20 57 | 0 19 | 2 46 | 0 39 | 13 27 | 1 19 | 15 19 | 2 19 | 21 21 | 0 6 | 10 24 | 0 53 | 24 1 | 2 5 | 13 30 | 13 32 | 2 4 | 9 7 | 0 52 |
| S 7 | 13 56 | 15 30 | 5 15 | 19 16 | 0 42 | 20 45 | 0 22 | 2 30 | 0 38 | 13 30 | 1 19 | 15 19 | 2 19 | 21 21 | 0 6 | 10 24 | 0 53 | 24 1 | 2 5 | 13 30 | 13 33 | 2 2 | 9 7 | 0 52 |
| M 8 | 13 37 | 17 43 | 4 57 | 19 0 | 0 52 | 20 32 | 0 24 | 2 14 | 0 38 | 13 33 | 1 19 | 15 19 | 2 20 | 21 21 | 0 6 | 10 23 | 0 53 | 24 1 | 2 6 | 13 30 | 13 34 | 2 0 | 9 6 | 0 52 |
| T 9 | 13 18 | 19 5 | 4 24 | 18 42 | 1 2 | 20 18 | 0 27 | 1 58 | 0 37 | 13 36 | 1 19 | 15 19 | 2 20 | 21 21 | 0 6 | 10 22 | 0 53 | 24 1 | 2 6 | 13 30 | 13 36 | 1 58 | 9 6 | 0 52 |
| W10 | 12 58 | 19 26 | 3 36 | 18 21 | 1 11 | 20 4 | 0 29 | 1 42 | 0 36 | 13 38 | 1 19 | 15 20 | 2 20 | 21 21 | 0 6 | 10 21 | 0 53 | 24 0 | 2 6 | 13 30 | 13 37 | 1 56 | 9 5 | 0 52 |
| T 11 | 12 39 | 18 36 | 2 33 | 17 57 | 1 18 | 19 49 | 0 32 | 1 26 | 0 36 | 13 41 | 1 19 | 15 20 | 2 20 | 21 22 | 0 6 | 10 20 | 0 53 | 24 0 | 2 6 | 13 30 | 13 38 | 1 54 | 9 5 | 0 52 |
| F 12 | 12 19 | 16 34 | 1 19 | 17 30 | 1 25 | 19 34 | 0 34 | 1 10 | 0 35 | 13 44 | 1 19 | 15 20 | 2 21 | 21 22 | 0 6 | 10 20 | 0 53 | 24 0 | 2 6 | 13 30 | 13 39 | 1 52 | 9 4 | 0 52 |
| S 13 | 11 59 | 13 24 | 0s 2 | 17 1 | 1 31 | 19 18 | 0 37 | 0 54 | 0 35 | 13 47 | 1 20 | 15 20 | 2 21 | 21 22 | 0 6 | 10 19 | 0 53 | 24 0 | 2 6 | 13 30 | 13 40 | 1 50 | 9 3 | 0 52 |
| S 14 | 11 38 | 9 19 | 1 24 | 16 30 | 1 36 | 19 2 | 0 39 | 0 38 | 0 34 | 13 50 | 1 20 | 15 20 | 2 21 | 21 22 | 0 6 | 10 18 | 0 53 | 24 0 | 2 6 | 13 30 | 13 41 | 1 48 | 9 3 | 0 52 |
| M15 | 11 18 | 4 38 | 2 41 | 15 56 | 1 40 | 18 45 | 0 41 | 0 22 | 0 33 | 13 52 | 1 20 | 15 20 | 2 21 | 21 22 | 0 6 | 10 17 | 0 53 | 24 0 | 2 6 | 13 30 | 13 42 | 1 46 | 9 2 | 0 52 |
| T 16 | 10 57 | 0n19 | 3 46 | 15 21 | 1 43 | 18 27 | 0 44 | 0 6 | 0 33 | 13 55 | 1 20 | 15 20 | 2 21 | 21 23 | 0 6 | 10 16 | 0 53 | 24 0 | 2 6 | 13 30 | 13 43 | 1 44 | 9 2 | 0 52 |
| W17 | 10 36 | 5 11 | 4 35 | 14 44 | 1 45 | 18 9 | 0 46 | 0s10 | 0 32 | 13 58 | 1 20 | 15 20 | 2 22 | 21 23 | 0 6 | 10 15 | 0 53 | 24 0 | 2 6 | 13 30 | 13 44 | 1 42 | 9 1 | 0 52 |
| T 18 | 10 15 | 9 39 | 5 6 | 14 5 | 1 47 | 17 51 | 0 48 | 0 26 | 0 31 | 14 1 | 1 20 | 15 20 | 2 22 | 21 23 | 0 6 | 10 15 | 0 53 | 24 0 | 2 7 | 13 31 | 13 45 | 1 40 | 9 0 | 0 52 |
| F 19 | 9 54 | 13 27 | 5 17 | 13 25 | 1 47 | 17 31 | 0 50 | 0 43 | 0 31 | 14 3 | 1 20 | 15 20 | 2 22 | 21 23 | 0 6 | 10 14 | 0 53 | 24 0 | 2 7 | 13 31 | 13 46 | 1 38 | 9 0 | 0 52 |
| S 20 | 9 33 | 16 25 | 5 10 | 12 44 | 1 47 | 17 12 | 0 52 | 0 59 | 0 30 | 14 6 | 1 20 | 15 20 | 2 22 | 21 23 | 0 6 | 10 13 | 0 53 | 23 59 | 2 7 | 13 31 | 13 47 | 1 36 | 8 59 | 0 52 |
| S 21 | 9 11 | 18 24 | 4 45 | 12 1 | 1 47 | 16 52 | 0 54 | 1 15 | 0 30 | 14 9 | 1 20 | 15 20 | 2 22 | 21 23 | 0 6 | 10 12 | 0 53 | 23 59 | 2 7 | 13 31 | 13 48 | 1 34 | 8 58 | 0 52 |
| M22 | 8 50 | 19 22 | 4 6 | 11 18 | 1 45 | 16 31 | 0 56 | 1 31 | 0 29 | 14 11 | 1 20 | 15 20 | 2 23 | 21 23 | 0 6 | 10 11 | 0 53 | 23 59 | 2 7 | 13 31 | 13 49 | 1 32 | 8 57 | 0 52 |
| T 23 | 8 28 | 19 18 | 3 16 | 10 33 | 1 44 | 16 10 | 0 58 | 1 47 | 0 28 | 14 14 | 1 20 | 15 19 | 2 23 | 21 23 | 0 6 | 10 11 | 0 53 | 23 59 | 2 7 | 13 30 | 13 50 | 1 30 | 8 57 | 0 52 |
| W24 | 8 6 | 18 16 | 2 18 | 9 48 | 1 41 | 15 49 | 1 0 | 2 4 | 0 28 | 14 17 | 1 20 | 15 19 | 2 23 | 21 24 | 0 6 | 10 10 | 0 53 | 23 59 | 2 7 | 13 30 | 13 51 | 1 28 | 8 56 | 0 52 |
| T 25 | 7 44 | 16 24 | 1 14 | 9 3 | 1 38 | 15 27 | 1 2 | 2 20 | 0 27 | 14 19 | 1 20 | 15 19 | 2 23 | 21 24 | 0 6 | 10 9 | 0 53 | 23 59 | 2 7 | 13 29 | 13 52 | 1 25 | 8 55 | 0 52 |
| F 26 | 7 22 | 13 48 | 0 7 | 8 17 | 1 35 | 15 4 | 1 4 | 2 36 | 0 27 | 14 22 | 1 20 | 15 19 | 2 24 | 21 24 | 0 6 | 10 8 | 0 53 | 23 59 | 2 7 | 13 29 | 13 53 | 1 23 | 8 54 | 0 52 |
| S 27 | 6 59 | 10 39 | 0n59 | 7 31 | 1 31 | 14 42 | 1 5 | 2 52 | 0 26 | 14 24 | 1 20 | 15 18 | 2 24 | 21 24 | 0 6 | 10 7 | 0 53 | 23 59 | 2 8 | 13 29 | 13 54 | 1 21 | 8 53 | 0 52 |
| S 28 | 6 37 | 7 5 | 2 2 | 6 44 | 1 27 | 14 18 | 1 7 | 3 8 | 0 25 | 14 26 | 1 20 | 15 18 | 2 24 | 21 24 | 0 6 | 10 7 | 0 53 | 23 59 | 2 8 | 13 30 | 13 55 | 1 19 | 8 53 | 0 52 |
| M29 | 6 14 | 3 16 | 2 59 | 5 57 | 1 22 | 13 55 | 1 9 | 3 25 | 0 25 | 14 | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1440

SEPTEMBER 1440 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|-------------------|--------------------|---------------------|--------------------|-------------------|---------------------|---|
| T 1 | 23 15 55 | 17 ^m 6'52 | 4 ^m 12 | 23 ^m 30 | 29 ^m 51 | 11 ^m 31 | 24 ^m R40 | 19 ^m R16 | 6 ^m II45 | 6 ^m 18 | 20 ^m 59 | 23 ^m R59 | 22 ^m 41 | 5 ^m 1 | 20 ^m R29 | |
| F 2 | 23 19 51 | 18° 5'30 | 16°11 | 25°15 | 1 ^m 6 | 12°11 | 24 ^m 33 | 19 ^m 15 | 6°45 | 6°20 | 21° 0 | 23 ^m 55 | 22°38 | 5° 8 | 20 ^m V27 | |
| S 3 | 23 23 48 | 19° 4'10 | 28°20 | 26°59 | 2°20 | 12°51 | 24°27 | 19°14 | 6°R45 | 6°22 | 21° 1 | 23°53 | 22°35 | 5°14 | 20°24 | |
| S 4 | 23 27 44 | 20° 2'51 | 10 ^m 41 | 28°41 | 3°34 | 13°31 | 24°20 | 19°13 | 6°45 | 6°24 | 21° 2 | 23°51 | 22°32 | 5°21 | 20°22 | |
| M 5 | 23 31 41 | 21° 1'34 | 23°21 | 0 ^m 23 | 4°49 | 14°11 | 24°14 | 19°12 | 6°45 | 6°26 | 21° 3 | 23°D51 | 22°28 | 5°28 | 20°20 | |
| T 6 | 23 35 38 | 22° 0'19 | 6 ^m 21 | 2° 4 | 6° 3 | 14°51 | 24° 8 | 19°10 | 6°44 | 6°29 | 21° 4 | 23°52 | 22°25 | 5°34 | 20°17 | |
| W 7 | 23 39 34 | 22°59'06 | 19°46 | 3°43 | 7°17 | 15°32 | 24° 2 | 19° 9 | 6°44 | 6°31 | 21° 4 | 23°53 | 22°22 | 5°41 | 20°15 | |
| T 8 | 23 43 31 | 23°57'54 | 3 ^m 39 | 5°22 | 8°32 | 16°12 | 23°56 | 19° 7 | 6°44 | 6°33 | 21° 5 | 23°55 | 22°19 | 5°48 | 20°12 | |
| F 9 | 23 47 27 | 24°56'44 | 17°58 | 7° 0 | 9°46 | 16°52 | 23°50 | 19° 5 | 6°44 | 6°35 | 21° 6 | 23°R56 | 22°16 | 5°54 | 20°10 | |
| S 10 | 23 51 24 | 25°55'36 | 2 ^m 42 | 8°37 | 11° 1 | 17°32 | 23°45 | 19° 3 | 6°43 | 6°37 | 21° 7 | 23°55 | 22°13 | 6° 1 | 20° 7 | |
| S 11 | 23 55 20 | 26°54'30 | 17°45 | 10°13 | 12°15 | 18°13 | 23°39 | 19° 1 | 6°43 | 6°39 | 21° 8 | 23°54 | 22° 9 | 6° 8 | 20° 5 | |
| M 12 | 23 59 17 | 27°53'25 | 3 ^m 0 | 11°48 | 13°30 | 18°53 | 23°34 | 18°59 | 6°43 | 6°41 | 21° 9 | 23°50 | 22° 6 | 6°14 | 20° 2 | |
| T 13 | 0 3 13 | 28°52'23 | 18°15 | 13°22 | 14°45 | 19°34 | 23°29 | 18°57 | 6°42 | 6°44 | 21° 9 | 23°46 | 22° 3 | 6°21 | 19°59 | |
| W 14 | 0 7 10 | 29°51'23 | 3 ^m 21 | 14°55 | 15°59 | 20°14 | 23°24 | 18°55 | 6°42 | 6°46 | 21°10 | 23°41 | 22° 0 | 6°28 | 19°57 | |
| T 15 | 0 11 6 | 0 ^m 50'25 | 18° 9 | 16°28 | 17°14 | 20°55 | 23°19 | 18°53 | 6°41 | 6°48 | 21°11 | 23°35 | 21°57 | 6°34 | 19°54 | |
| F 16 | 0 15 3 | 1°49'30 | 2 ^m 31 | 17°59 | 18°29 | 21°35 | 23°15 | 18°50 | 6°40 | 6°50 | 21°12 | 23°31 | 21°54 | 6°41 | 19°51 | |
| S 17 | 0 19 0 | 2°48'37 | 16°26 | 19°30 | 19°43 | 22°16 | 23°10 | 18°48 | 6°40 | 6°52 | 21°12 | 23°28 | 21°50 | 6°48 | 19°48 | |
| S 18 | 0 22 56 | 3°47'46 | 29°53 | 21° 0 | 20°58 | 22°57 | 23° 6 | 18°45 | 6°39 | 6°54 | 21°13 | 23°D27 | 21°47 | 6°54 | 19°46 | |
| M 19 | 0 26 53 | 4°46'58 | 12 ^m 54 | 22°29 | 22°13 | 23°38 | 23° 2 | 18°42 | 6°38 | 6°56 | 21°14 | 23°27 | 21°44 | 7° 1 | 19°43 | |
| T 20 | 0 30 49 | 5°46'12 | 23°58 | 23°58 | 23°28 | 24°19 | 22°58 | 18°39 | 6°37 | 6°58 | 21°14 | 23°28 | 21°41 | 7° 8 | 19°40 | |
| W 21 | 0 34 46 | 6°45'28 | 7 ^m 54 | 25°25 | 24°43 | 24°59 | 22°54 | 18°36 | 6°36 | 7° 0 | 21°15 | 23°30 | 21°38 | 7°14 | 19°37 | |
| T 22 | 0 38 42 | 7°44'46 | 20° 1 | 26°52 | 25°57 | 25°40 | 22°51 | 18°33 | 6°36 | 7° 2 | 21°15 | 23°R31 | 21°34 | 7°21 | 19°35 | |
| F 23 | 0 42 39 | 8°44'07 | 1 ^m 59 | 28°18 | 27°12 | 26°21 | 22°47 | 18°30 | 6°35 | 7° 4 | 21°16 | 23°30 | 21°31 | 7°28 | 19°32 | |
| S 24 | 0 46 35 | 9°43'30 | 13°52 | 29°42 | 28°27 | 27° 3 | 22°44 | 18°27 | 6°34 | 7° 6 | 21°16 | 23°28 | 21°28 | 7°35 | 19°29 | |
| S 25 | 0 50 32 | 10°42'55 | 25°41 | 1 ^m 6 | 29°42 | 27°44 | 22°41 | 18°24 | 6°32 | 7° 8 | 21°17 | 23°24 | 21°25 | 7°41 | 19°26 | |
| M 26 | 0 54 29 | 11°42'23 | 7 ^m 30 | 2°29 | 0 ^m 57 | 28°25 | 22°38 | 18°20 | 6°31 | 7°10 | 21°17 | 23°17 | 21°22 | 7°48 | 19°23 | |
| T 27 | 0 58 25 | 12°41'52 | 19°21 | 3°51 | 2°12 | 29° 6 | 22°36 | 18°17 | 6°30 | 7°12 | 21°18 | 23° 8 | 21°19 | 7°55 | 19°20 | |
| W 28 | 1 2 22 | 13°41'23 | 1 ^m 15 | 5°12 | 3°27 | 29°48 | 22°33 | 18°14 | 6°29 | 7°13 | 21°18 | 22°58 | 21°15 | 8° 1 | 19°17 | |
| T 29 | 1 6 18 | 14°40'57 | 13°13 | 6°32 | 4°42 | 0 ^m 29 | 22°31 | 18°10 | 6°28 | 7°15 | 21°19 | 22°48 | 21°12 | 8° 8 | 19°15 | |
| F 30 | 1 10 15 | 15°40'32 | 25 ^m 18 | 7 ^m 51 | 5 ^m 57 | 1 ^m 10 | 22°29 | 18° 6 | 6 ^m II26 | 7 ^m 17 | 21°19 | 22°48 | 21° 9 | 8 ^m 15 | 19°V12 | |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl |
| T 1 | 5n 6 | 8s19 | 4n56 | 3n37 | 1n 7 | 12n42 | 1n13 | 4s13 | 0n23 | 14s36 | 1s20 | 15n16 | 2s25 | 21n24 | 0s 6 | 10n 3 |
| F 2 | 4 43 | 11 45 | 5 11 | 2 50 | 1 11 | 12 16 | 1 14 | 4 29 | 0 22 | 14 38 | 1 20 | 15 16 | 2 25 | 21 24 | 0 6 | 10 3 |
| S 3 | 4 20 | 14 45 | 5 13 | 2 3 | 0 55 | 11 51 | 1 16 | 4 46 | 0 22 | 14 40 | 1 20 | 15 15 | 2 25 | 21 24 | 0 6 | 10 2 |
| S 4 | 3 57 | 17 9 | 5 1 | 1 16 | 0 49 | 11 25 | 1 17 | 5 2 | 0 21 | 14 42 | 1 20 | 15 15 | 2 25 | 21 24 | 0 6 | 10 1 |
| M 5 | 3 34 | 18 47 | 4 34 | 0 30 | 0 43 | 10 59 | 1 18 | 5 18 | 0 20 | 14 44 | 1 20 | 15 14 | 2 26 | 21 24 | 0 6 | 10 0 |
| T 6 | 3 11 | 19 30 | 3 52 | 0s16 | 0 36 | 10 33 | 1 19 | 5 34 | 0 20 | 14 46 | 1 20 | 15 14 | 2 26 | 21 24 | 0 6 | 9 59 |
| W 7 | 2 48 | 19 8 | 2 56 | 1 2 | 0 30 | 10 6 | 1 20 | 5 50 | 0 19 | 14 48 | 1 20 | 15 13 | 2 26 | 21 24 | 0 6 | 9 59 |
| T 8 | 2 24 | 17 38 | 1 49 | 1 47 | 0 23 | 9 39 | 1 21 | 6 6 | 0 19 | 14 50 | 1 20 | 15 13 | 2 26 | 21 24 | 0 6 | 9 58 |
| F 9 | 2 1 | 14 58 | 0 33 | 2 32 | 0 16 | 9 12 | 1 22 | 6 22 | 0 18 | 14 52 | 1 20 | 15 12 | 2 26 | 21 24 | 0 6 | 9 57 |
| S 10 | 1 37 | 11 17 | 0s48 | 3 17 | 0 9 | 8 44 | 1 23 | 6 38 | 0 17 | 14 54 | 1 20 | 15 11 | 2 26 | 21 24 | 0 6 | 9 56 |
| S 11 | 1 14 | 6 48 | 2 7 | 4 1 | 0 2 | 8 16 | 1 24 | 6 54 | 0 17 | 14 55 | 1 19 | 15 11 | 2 27 | 21 24 | 0 6 | 9 55 |
| M 12 | 0 50 | 1 49 | 3 17 | 4 45 | 0s 5 | 7 48 | 1 24 | 7 10 | 0 16 | 14 57 | 1 19 | 15 10 | 2 27 | 21 24 | 0 6 | 9 55 |
| T 13 | 0 27 | 3n16 | 4 14 | 5 29 | 0 12 | 7 20 | 1 25 | 7 26 | 0 15 | 14 59 | 1 19 | 15 9 | 2 27 | 21 24 | 0 6 | 9 54 |
| W 14 | 0 3 | 8 6 | 4 52 | 6 11 | 0 19 | 6 51 | 1 26 | 7 42 | 0 15 | 15 0 | 1 19 | 15 8 | 2 27 | 21 24 | 0 6 | 9 53 |
| T 15 | 0s20 | 12 19 | 5 10 | 6 54 | 0 26 | 6 23 | 1 26 | 7 58 | 0 14 | 15 2 | 1 19 | 15 7 | 2 27 | 21 24 | 0 6 | 9 52 |
| F 16 | 0 44 | 15 42 | 5 7 | 7 36 | 0 34 | 5 54 | 1 26 | 8 14 | 0 14 | 15 3 | 1 19 | 15 7 | 2 28 | 21 23 | 0 6 | 9 52 |
| S 17 | 1 7 | 18 4 | 4 47 | 8 17 | 0 41 | 5 25 | 1 27 | 8 30 | 0 13 | 15 5 | 1 19 | 15 6 | 2 28 | 21 23 | 0 6 | 9 51 |
| S 18 | 1 31 | 19 20 | 4 11 | 8 58 | 0 48 | 4 55 | 1 27 | 8 45 | 0 12 | 15 6 | 1 19 | 15 5 | 2 28 | 21 23 | 0 6 | 9 50 |
| M 19 | 1 54 | 19 31 | 3 23 | 9 38 | 0 55 | 4 26 | 1 27 | 9 1 | 0 12 | 15 7 | 1 19 | 15 4 | 2 28 | 21 23 | 0 6 | 9 49 |
| T 20 | 2 18 | 18 42 | 2 26 | 10 17 | 1 2 | 3 57 | 1 28 | 9 17 | 0 11 | 15 8 | 1 19 | 15 3 | 2 28 | 21 23 | 0 6 | 9 49 |
| W 21 | 2 41 | 17 0 | 1 24 | 10 56 | 1 9 | 3 27 | 1 28 | 9 32 | 0 11 | 15 9 | 1 18 | 15 2 | 2 28 | 21 23 | 0 6 | 9 48 |
| T 22 | 3 5 | 14 33 | 0 19 | 11 34 | 1 16 | 2 57 | 1 28 | 9 48 | 0 10 | 15 10 | 1 18 | 15 1 | 2 28 | 21 23 | 0 6 | 9 47 |
| F 23 | 3 28 | 11 31 | 0n46 | 12 12 | 1 23 | 2 27 | 1 28 | 10 3 | 0 9 | 15 11 | 1 18 | 15 0 | 2 29 | 21 22 | 0 6 | 9 47 |
| S 24 | 3 52 | 8 1 | 1 48 | 12 48 | 1 30 | 1 57 | 1 28 | 10 19 | 0 9 | 15 12 | 1 18 | 14 59 | 2 29 | 21 22 | 0 6 | 9 46 |
| S 25 | 4 15 | 4 14 | 2 45 | 13 24 | 1 37 | 1 27 | 1 27 | 10 34 | 0 8 | 15 13 | 1 18 | 14 58 | 2 29 | 21 22 | 0 6 | 9 45 |
| M 26 | 4 39 | 0 18 | 3 35 | 14 0 | 1 44 | 0 57 | 1 27 | 10 50 | 0 7 | 15 14 | 1 18 | 14 57 | 2 29 | 21 22 | 0 6 | 9 44 |
| T 27 | 5 2 | 3s40 | 4 15 | 14 34 | 1 50 | 0 27 | 1 27 | 11 5 | 0 7 | 15 15 | 1 18 | 14 56 | 2 29 | 21 22 | 0 6 | 9 44 |
| W 28 | 5 25 | 7 30 | 4 44 | 15 7 | 1 56 | 0s 3 | 1 26 | 11 20 | 0 6 | 15 15 | 1 18 | 14 55 | 2 29 | 21 22 | 0 6 | 9 43 |
| T 29 | 5 48 | 11 3 | 5 2 | 15 40 | 2 2 | 0 34 | 1 26 | 11 35 | 0 6 | 15 16 | 1 17 | 14 54 | 2 29 | 21 21 | 0 6 | 9 42 |
| F 30 | 6s11 | 14s12 | 5n 5 | 16s11 | 2s 8 | 1s 4 | 1n26 | 11s50 | 0n 5 | 15s17 | 1s17 | 14n53 | 2s29 | 21n21 | 0s 6 | 9n42 |

Julian Day Number = 2247261.5, Delta T = 266.38 sec

Ecliptic obliquity = 23°30'36", Nutation = - 0°00'10"

Ayanamsha: Fagan/Bradley = 16°56'14", Lahiri = 16°03'14" Julian Calendar 1 Sept. 1440 == Greg. Calendar 10 Sept. 1440

SWISS EPHEMERIS for the year 1440

NOVEMBER 1440 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| T 1 | 3 16 24 | 17 ^h 43'49" | 25 ^h 22' | 16 ^h R35 | 16 ^h M 7 | 23 ^h M45 | 23 ^h 11 | 15 ^h R41 | 5 ^h R25 | 8 ^h η 4 | 21 ^h R17 | 19 ^h R28 | 19 ^h Ω27 | 11 ^h Ω49 | 17 ^h R43 |
| W 2 | 3 20 21 | 18 ^h 44'24" | 8 ^h 37' | 15 ^h M16 | 17 ^h 22' | 24 ^h 29' | 23 ^h 16' | 15 ^h Ω37 | 5 ^h II22 | 8° 5 | 21 ^h Ω16 | 19 ^h Ω27 | 19 ^h 24 | 11 ^h 55 | 17 ^h Υ41 |
| T 3 | 3 24 18 | 19 ^h 45'00" | 22 ^h 10' | 14° 1 | 18 ^h 38' | 25 ^h 12' | 23 ^h 20' | 15 ^h 32' | 5 ^h 20 | 8° 6 | 21 ^h 16 | 19 ^h 26 | 19 ^h 21 | 12° 2 | 17 ^h 39 |
| F 4 | 3 28 14 | 20 ^h 45'38" | 6 ^h 4 | 12°53' | 19 ^h 53' | 25 ^h 55' | 23 ^h 25' | 15 ^h 27' | 5 ^h 18 | 8° 7 | 21 ^h 15 | 19 ^h 26 | 19 ^h 18 | 12° 9 | 17 ^h 36 |
| S 5 | 3 32 11 | 21 ^h 46'17" | 20 ^h 18' | 11°54' | 21° 8 | 26 ^h 39' | 23 ^h 30' | 15 ^h 22' | 5 ^h 15 | 8° 8 | 21 ^h 15 | 19 ^h 24 | 19 ^h 15 | 12 ^h 16 | 17 ^h 34 |
| S 6 | 3 36 7 | 22 ^h 46'56" | 4 ^h Υ52 | 11° 4 | 22 ^h 24' | 27 ^h 22' | 23 ^h 36' | 15 ^h 17' | 5 ^h 13 | 8° 9 | 21 ^h 14 | 19 ^h 20 | 19 ^h 11 | 12 ^h 22 | 17 ^h 32 |
| M 7 | 3 40 4 | 23 ^h 47'37" | 19 ^h 42' | 10°26' | 23 ^h 39' | 28° 6 | 23 ^h 41' | 15 ^h 12' | 5 ^h 10 | 8° 9 | 21 ^h 14 | 19 ^h 12 | 19° 8 | 12 ^h 29 | 17 ^h 30 |
| T 8 | 3 44 0 | 24 ^h 48'20" | 4 ^h Ω41 | 10° 0 | 24 ^h 55' | 28 ^h 49' | 23 ^h 47' | 15° 7 | 5° 8 | 8 ^h 10 | 21 ^h 13 | 19° 2 | 19° 5 | 12 ^h 36 | 17 ^h 27 |
| W 9 | 3 47 57 | 25 ^h 49'03" | 19 ^h 41' | 9°45' | 26 ^h 10' | 29 ^h 33' | 23 ^h 53' | 15° 3 | 5° 5 | 8 ^h 11 | 21 ^h 12 | 18 ^h 51 | 19° 2 | 12 ^h 42 | 17 ^h 25 |
| T 10 | 3 51 53 | 26 ^h 49'48" | 4 ^h II31 | 9 ^h D42 | 27 ^h 26' | 0 ^h 17' | 23 ^h 59' | 14 ^h 58' | 5° 3 | 8 ^h 12 | 21 ^h 12 | 18 ^h 39 | 18 ^h 59 | 12 ^h 49 | 17 ^h 23 |
| F 11 | 3 55 50 | 27 ^h 50'34" | 19° 3 | 9°49' | 28 ^h 41' | 1° 0 | 24° 5 | 14 ^h 53' | 5° 0 | 8 ^h 12 | 21 ^h 11 | 18 ^h 28 | 18 ^h 56 | 12 ^h 56 | 17 ^h 21 |
| S 12 | 3 59 47 | 28 ^h 51'21" | 3 ^h Ω10 | 10° 6 | 29 ^h 57' | 1°44' | 24 ^h 11' | 14 ^h 48' | 4 ^h 58 | 8 ^h 13 | 21 ^h 10 | 18 ^h 19 | 18 ^h 52 | 13° 2 | 17 ^h 19 |
| S 13 | 4 3 43 | 29 ^h 52'10" | 16°49' | 10°32' | 1 ^h 12' | 2°28' | 24 ^h 18' | 14 ^h 44' | 4 ^h 55 | 8 ^h 14 | 21 ^h 10 | 18 ^h 13 | 18 ^h 49 | 13° 9 | 17 ^h 17 |
| M14 | 4 7 40 | 0 ^h 153'01" | 0 ^h Ω 0 | 11° 7 | 2°28' | 3°12' | 24 ^h 24' | 14 ^h 39' | 4 ^h 53 | 8 ^h 14 | 21° 9 | 18 ^h 10 | 18 ^h 46 | 13 ^h 16 | 17 ^h 15 |
| T 15 | 4 11 36 | 1°53'52" | 12°45' | 11°48' | 3°43' | 3°56' | 24 ^h 31' | 14 ^h 35' | 4 ^h 50 | 8 ^h 15 | 21° 8 | 18 ^h D 8 | 18 ^h 43 | 13 ^h 22 | 17 ^h 13 |
| W16 | 4 15 33 | 2°54'45" | 25° 8 | 12°36' | 4°59' | 4°40' | 24 ^h 38' | 14 ^h 30' | 4 ^h 48 | 8 ^h 16 | 21° 7 | 18° 8 | 18 ^h 40 | 13 ^h 29 | 17 ^h 11 |
| T 17 | 4 19 29 | 3°55'40" | 7 ^h η 15 | 13°30' | 6°14' | 5°24' | 24 ^h 45' | 14 ^h 26' | 4 ^h 45 | 8 ^h 16 | 21° 7 | 18 ^h R 9 | 18 ^h 37 | 13 ^h 36 | 17 ^h 10 |
| F 18 | 4 23 26 | 4°56'36" | 19°11' | 14°29' | 7°29' | 6° 8 | 24 ^h 52' | 14 ^h 21' | 4 ^h 42 | 8 ^h 17 | 21° 6 | 18° 8 | 18 ^h 33 | 13 ^h 43 | 17° 8 |
| S 19 | 4 27 22 | 5°57'32" | 1 ^h Ω 0 | 15°32' | 8°45' | 6°52' | 25° 0 | 14 ^h 17' | 4 ^h 40 | 8 ^h 17 | 21° 5 | 18° 5 | 18 ^h 30 | 13 ^h 49 | 17° 6 |
| S 20 | 4 31 19 | 6°58'31" | 12°49' | 16°39' | 10° 0 | 7°36' | 25° 7 | 14°12' | 4°37 | 8°17 | 21° 4 | 17°59 | 18°27 | 13°56 | 17° 5 |
| M21 | 4 35 16 | 7°59'30" | 24°42' | 17°49' | 11°16' | 8°21' | 25°15' | 14° 8 | 4°35 | 8°18 | 21° 3 | 17°51 | 18°24 | 14° 3 | 17° 3 |
| T 22 | 4 39 12 | 9° 0'31" | 6 ^h M41 | 19° 2 | 12°31' | 9° 5 | 25°23' | 14° 4 | 4°32 | 8°18 | 21° 2 | 17°40 | 18°21 | 14° 9 | 17° 2 |
| W23 | 4 43 9 | 10° 1'32" | 18°50' | 20°18' | 13°47' | 9°49' | 25°31' | 14° 0 | 4°30 | 8°18 | 21° 1 | 17°27 | 18°17 | 14°16 | 17° 0 |
| T 24 | 4 47 5 | 11° 2'35" | 1 ^h 10 | 21°35' | 15° 2 | 10°34' | 25°39' | 13°56' | 4°27 | 8°19 | 21° 0 | 17°14 | 18°14 | 14°23 | 16°59 |
| F 25 | 4 51 2 | 12° 3'38" | 13°41' | 22°55' | 16°18' | 11°18' | 25°48' | 13°52' | 4°25 | 8°19 | 20°59 | 17° 2 | 18°11 | 14°29 | 16°57 |
| S 26 | 4 54 58 | 13° 4'43" | 26°24' | 24°16' | 17°33' | 12° 3 | 25°56' | 13°48' | 4°22 | 8°19 | 20°58 | 16°51 | 18° 8 | 14°36 | 16°56 |
| S 27 | 4 58 55 | 14° 5'48" | 9 ^h Ω 18 | 25°39' | 18°49' | 12°47' | 26° 5 | 13°44' | 4°20 | 8°19 | 20°57 | 16°43 | 18° 5 | 14°43 | 16°55 |
| M28 | 5 2 52 | 15° 6'53" | 22°23' | 27° 2 | 20° 4 | 13°32' | 26°14' | 13°40' | 4°17 | 8°19 | 20°56 | 16°37 | 18° 2 | 14°50 | 16°53 |
| T 29 | 5 6 48 | 16° 8'00" | 5 ^h Ω38 | 28°27' | 21°20' | 14°16' | 26°23' | 13°36' | 4°15 | 8°20 | 20°55 | 16°34 | 17°58 | 14°56 | 16°52 |
| W30 | 5 10 45 | 17 ^h 9'06" | 19 ^h Ω 5 | 29 ^h M53 | 22 ^h 135 | 15 ^h 1 | 26 ^h 32 | 13 ^h Ω33 | 4 ^h II12 | 8 ^h η20 | 20 ^h Ω54 | 16 ^h D34 | 17 ^h Ω55 | 15 ^h Ω 3 | 16 ^h Υ51 |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| T 1 | 17s10 | 19s 6 | 2n 3 | 16s23 | 0n29 | 16s 4 | 0n40 | 19s 0 | 0s15 | 14s58 | 1s12 | 14n11 | 2s30 | 21n11 | 0s 6 |
| W 2 | 17 27 | 17 15 | 0 57 | 15 41 | 0 48 | 16 28 | 0 38 | 19 11 | 0 15 | 14 56 | 1 12 | 14 10 | 2 30 | 21 10 | 0 6 |
| T 3 | 17 44 | 14 23 | 0s14 | 15 1 | 1 7 | 16 51 | 0 36 | 19 23 | 0 16 | 14 54 | 1 12 | 14 9 | 2 30 | 21 10 | 0 6 |
| F 4 | 18 0 | 10 39 | 1 27 | 14 24 | 1 25 | 17 13 | 0 34 | 19 34 | 0 16 | 14 52 | 1 11 | 14 7 | 2 30 | 21 9 | 0 6 |
| S 5 | 18 16 | 6 14 | 2 35 | 13 52 | 1 40 | 17 36 | 0 31 | 19 44 | 0 17 | 14 51 | 1 11 | 14 6 | 2 30 | 21 9 | 0 6 |
| S 6 | 18 31 | 1 21 | 3 35 | 13 23 | 1 54 | 17 57 | 0 29 | 19 55 | 0 18 | 14 49 | 1 11 | 14 5 | 2 30 | 21 8 | 0 6 |
| M 7 | 18 47 | 3n41 | 4 22 | 13 1 | 2 5 | 18 18 | 0 27 | 20 5 | 0 18 | 14 47 | 1 11 | 14 3 | 2 30 | 21 8 | 0 6 |
| T 8 | 19 2 | 8 33 | 4 51 | 12 44 | 2 15 | 18 39 | 0 25 | 20 16 | 0 19 | 14 45 | 1 11 | 14 2 | 2 30 | 21 8 | 0 6 |
| W 9 | 19 16 | 12 53 | 5 0 | 12 32 | 2 22 | 18 59 | 0 22 | 20 26 | 0 19 | 14 43 | 1 11 | 14 1 | 2 30 | 21 7 | 0 6 |
| T 10 | 19 30 | 16 22 | 4 49 | 12 26 | 2 28 | 19 19 | 0 20 | 20 36 | 0 20 | 14 40 | 1 10 | 13 59 | 2 30 | 21 7 | 0 6 |
| F 11 | 19 44 | 18 45 | 4 19 | 12 24 | 2 31 | 19 38 | 0 18 | 20 45 | 0 21 | 14 38 | 1 10 | 13 58 | 2 29 | 21 6 | 0 6 |
| S 12 | 19 58 | 19 54 | 3 34 | 12 28 | 2 34 | 19 57 | 0 15 | 20 55 | 0 21 | 14 36 | 1 10 | 13 57 | 2 29 | 21 6 | 0 6 |
| S 13 | 20 11 | 19 50 | 2 38 | 12 35 | 2 34 | 20 15 | 0 13 | 21 4 | 0 22 | 14 34 | 1 10 | 13 56 | 2 29 | 21 5 | 0 6 |
| M14 | 20 24 | 18 40 | 1 35 | 12 46 | 2 34 | 20 32 | 0 11 | 21 13 | 0 22 | 14 31 | 1 10 | 13 54 | 2 29 | 21 5 | 0 6 |
| T 15 | 20 36 | 16 35 | 0 29 | 13 1 | 2 32 | 20 49 | 0 8 | 21 22 | 0 23 | 14 29 | 1 10 | 13 53 | 2 29 | 21 4 | 0 6 |
| W16 | 20 48 | 13 46 | 0n37 | 13 18 | 2 29 | 21 6 | 0 6 | 21 31 | 0 24 | 14 26 | 1 9 | 13 52 | 2 29 | 21 4 | 0 6 |
| T 17 | 21 0 | 10 25 | 1 40 | 13 37 | 2 26 | 21 21 | 0 3 | 21 40 | 0 24 | 14 24 | 1 9 | 13 51 | 2 29 | 21 4 | 0 6 |
| F 18 | 21 11 | 6 42 | 2 37 | 13 59 | 2 22 | 21 36 | 0 1 | 21 48 | 0 25 | 14 21 | 1 9 | 13 50 | 2 28 | 21 3 | 0 6 |
| S 19 | 21 22 | 2 45 | 3 27 | 14 22 | 2 17 | 21 51 | 0s 1 | 21 56 | 0 25 | 14 19 | 1 9 | 13 49 | 2 28 | 21 3 | 0 6 |
| S 20 | 21 32 | 1s17 | 4 8 | 14 46 | 2 11 | 22 5 | 0 4 | 22 4 | 0 26 | 14 16 | 1 9 | 13 48 | 2 28 | 21 2 | 0 5 |
| M21 | 21 42 | 5 17 | 4 38 | 15 11 | 2 5 | 22 18 | 0 6 | 22 12 | 0 26 | 14 13 | 1 9 | 13 46 | 2 28 | 21 2 | 0 5 |
| T 22 | 21 52 | 9 7 | 4 56 | 15 37 | 1 59 | 22 30 | 0 9 | 22 19 | 0 27 | 14 10 | 1 9 | 13 45 | 2 28 | 21 1 | 0 5 |
| W23 | 22 1 | 12 38 | 5 2 | 16 4 | 1 53 | 22 42 | 0 11 | 22 27 | 0 28 | 14 7 | 1 8 | 13 44 | 2 28 | 21 1 | 0 5 |
| T 24 | 22 10 | 15 40 | 4 53 | 16 31 | 1 46 | 22 53 | 0 13 | 22 34 | 0 28 | 14 5 | 1 8 | 13 43 | 2 27 | 21 0 | 0 5 |
| F 25 | 22 18 | 18 2 | 4 30 | 16 58 | 1 39 | 23 4 | 0 16 | 22 41 | 0 29 | 14 2 | 1 8 | 13 42 | 2 27 | 21 0 | 0 5 |
| S 26 | 22 26 | 19 34 | 3 54 | 17 25 | 1 32 | 23 13 | 0 18 | 22 47 | 0 29 | 13 59 | 1 8 | 13 41 | 2 27 | 20 59 | 0 5 |
| S 27 | 22 34 | 20 7 | 3 5 | 17 52 | 1 24 | 23 23 | 0 20 | 22 54 | 0 30 | 13 55 | 1 8 | 13 40 | 2 27 | 20 59 | 0 5 |
| M28 | 22 41 | 19 35 | 2 5 | 18 18 | 1 17 | 23 31 | 0 23 | 23 0 | 0 31 | 13 52 | 1 8 | 13 39 | 2 27 | 20 59 | 0 5 |
| T 29 | 22 47 | 17 59 | 0 58 | 18 45 | 1 9 | 23 38 | 0 25 | 23 6 | 0 31 | 13 49 | 1 8 | 13 38 | 2 26 | 20 58 | 0 5 |
| W30 | 22s53 | 15s22 | 0s13 | 19s11 | 1n 2 | 23s45 | 0s27 | 23s11 | 0s32 | 13s46 | 1s 7 | 13n38 | 2s26 | 20n58 | 0s 5 |

Julian Day Number = 2247322.5, Delta T = 266.19 sec
 Ecliptic obliquity = 23°30'36", Nutation = - 0°00'13"
 Ayanamsha: Fagan/Bradley = 16°56'22", Lahiri = 16°03'22" Julian Calendar 1 Nov. 1440 == Greg. Calendar 10 Nov. 1440

SWISS EPHEMERIS for the year 1440

DECEMBER 1440 JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|---------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| T 1 | 5 14 41 | 18°10'13 | 2°43 | 17°19 | 23°51 | 15°46 | 26°41 | 13°R29 | 4°R10 | 8°R20 | 20°R53 | 16°Ω35 | 17°Ω52 | 15°Ω10 | 16°R50 |
| F 2 | 5 18 38 | 19°11'20 | 16°34 | 2°46 | 25° 6 | 16°31 | 26°50 | 13°R25 | 4°II 7 | 8°R20 | 20°R52 | 16°R35 | 17°49 | 15°16 | 16°V49 |
| S 3 | 5 22 34 | 20°12'27 | 0°V38 | 4°14 | 26°22 | 17°15 | 27° 0 | 13°22 | 4° 5 | 8°20 | 20°51 | 16°35 | 17°46 | 15°23 | 16°48 |
| S 4 | 5 26 31 | 21°13'34 | 14°54 | 5°42 | 27°37 | 18° 0 | 27° 9 | 13°19 | 4° 3 | 8°20 | 20°50 | 16°32 | 17°43 | 15°30 | 16°47 |
| M 5 | 5 30 27 | 22°14'42 | 29°20 | 7°11 | 28°52 | 18°45 | 27°19 | 13°15 | 4° 0 | 8°19 | 20°49 | 16°27 | 17°39 | 15°36 | 16°47 |
| T 6 | 5 34 24 | 23°15'50 | 13°R52 | 8°40 | 0°R 8 | 19°30 | 27°29 | 13°12 | 3°58 | 8°19 | 20°48 | 16°21 | 17°36 | 15°43 | 16°46 |
| W 7 | 5 38 21 | 24°16'58 | 28°25 | 10°10 | 1°23 | 20°15 | 27°39 | 13° 9 | 3°55 | 8°19 | 20°46 | 16°12 | 17°33 | 15°50 | 16°45 |
| T 8 | 5 42 17 | 25°18'06 | 12°II51 | 11°40 | 2°39 | 21° 0 | 27°49 | 13° 6 | 3°53 | 8°19 | 20°45 | 16° 3 | 17°30 | 15°57 | 16°44 |
| F 9 | 5 46 14 | 26°19'15 | 27° 5 | 13°10 | 3°54 | 21°45 | 27°59 | 13° 3 | 3°51 | 8°19 | 20°44 | 15°55 | 17°27 | 16° 3 | 16°44 |
| S 10 | 5 50 10 | 27°20'24 | 11°R 0 | 14°41 | 5°10 | 22°31 | 28° 9 | 13° 1 | 3°49 | 8°18 | 20°43 | 15°49 | 17°23 | 16°10 | 16°43 |
| S 11 | 5 54 7 | 28°21'33 | 24°33 | 16°12 | 6°25 | 23°16 | 28°20 | 12°58 | 3°46 | 8°18 | 20°42 | 15°44 | 17°20 | 16°17 | 16°43 |
| M12 | 5 58 3 | 29°22'42 | 7°Ω43 | 17°44 | 7°40 | 24° 1 | 28°30 | 12°55 | 3°44 | 8°18 | 20°40 | 15°42 | 17°17 | 16°23 | 16°42 |
| T 13 | 6 2 0 | 0°R23'52 | 20°30 | 19°15 | 8°56 | 24°46 | 28°41 | 12°53 | 3°42 | 8°17 | 20°39 | 15°D42 | 17°14 | 16°30 | 16°42 |
| W14 | 6 5 56 | 1°25'02 | 2°II56 | 20°48 | 10°11 | 25°32 | 28°52 | 12°50 | 3°40 | 8°17 | 20°38 | 15°43 | 17°11 | 16°37 | 16°42 |
| T 15 | 6 9 53 | 2°26'12 | 15° 6 | 22°20 | 11°27 | 26°17 | 29° 3 | 12°48 | 3°38 | 8°16 | 20°37 | 15°45 | 17° 8 | 16°44 | 16°42 |
| F 16 | 6 13 50 | 3°27'23 | 27° 5 | 23°53 | 12°42 | 27° 2 | 29°14 | 12°46 | 3°35 | 8°16 | 20°36 | 15°46 | 17° 4 | 16°50 | 16°41 |
| S 17 | 6 17 46 | 4°28'33 | 8°Ω57 | 25°26 | 13°57 | 27°48 | 29°25 | 12°44 | 3°33 | 8°15 | 20°34 | 15°R46 | 17° 1 | 16°57 | 16°41 |
| S 18 | 6 21 43 | 5°29'45 | 20°48 | 27° 0 | 15°13 | 28°33 | 29°36 | 12°42 | 3°31 | 8°15 | 20°33 | 15°45 | 16°58 | 17° 4 | 16°D41 |
| M19 | 6 25 39 | 6°30'56 | 2°II42 | 28°33 | 16°28 | 29°19 | 29°47 | 12°40 | 3°29 | 8°14 | 20°32 | 15°41 | 16°55 | 17°10 | 16°41 |
| T 20 | 6 29 36 | 7°32'07 | 14°44 | 0°R 8 | 17°43 | 0°R 4 | 29°59 | 12°38 | 3°27 | 8°14 | 20°30 | 15°36 | 16°52 | 17°17 | 16°41 |
| W21 | 6 33 32 | 8°33'19 | 26°58 | 1°42 | 18°59 | 0°50 | 0°II10 | 12°36 | 3°25 | 8°13 | 20°29 | 15°30 | 16°49 | 17°24 | 16°41 |
| T 22 | 6 37 29 | 9°34'30 | 9°II26 | 3°17 | 20°14 | 1°36 | 0°22 | 12°35 | 3°23 | 8°12 | 20°28 | 15°23 | 16°45 | 17°30 | 16°42 |
| F 23 | 6 41 25 | 10°35'42 | 22°10 | 4°53 | 21°29 | 2°21 | 0°34 | 12°33 | 3°21 | 8°12 | 20°27 | 15°17 | 16°42 | 17°37 | 16°42 |
| S 24 | 6 45 22 | 11°36'53 | 5°R10 | 6°29 | 22°45 | 3° 7 | 0°45 | 12°32 | 3°20 | 8°11 | 20°25 | 15°11 | 16°39 | 17°44 | 16°42 |
| S 25 | 6 49 19 | 12°38'04 | 18°26 | 8° 5 | 24° 0 | 3°53 | 0°57 | 12°31 | 3°18 | 8°10 | 20°24 | 15° 7 | 16°36 | 17°51 | 16°42 |
| M26 | 6 53 15 | 13°39'15 | 1°R55 | 9°42 | 25°15 | 4°39 | 1° 9 | 12°30 | 3°16 | 8° 9 | 20°23 | 15° 5 | 16°33 | 17°57 | 16°43 |
| T 27 | 6 57 12 | 14°40'25 | 15°36 | 11°19 | 26°31 | 5°25 | 1°21 | 12°29 | 3°14 | 8° 9 | 20°21 | 15°D 4 | 16°29 | 18° 4 | 16°43 |
| W28 | 7 1 8 | 15°41'35 | 29°27 | 12°56 | 27°46 | 6°11 | 1°33 | 12°28 | 3°13 | 8° 8 | 20°20 | 15° 5 | 16°26 | 18°11 | 16°44 |
| T 29 | 7 5 5 | 16°42'44 | 13°R25 | 14°35 | 29° 1 | 6°57 | 1°46 | 12°27 | 3°11 | 8° 7 | 20°19 | 15° 6 | 16°23 | 18°17 | 16°45 |
| F 30 | 7 9 1 | 17°43'52 | 27°29 | 16°13 | 0°R17 | 7°43 | 1°58 | 12°26 | 3° 9 | 8° 6 | 20°17 | 15° 8 | 16°20 | 18°24 | 16°45 |
| S 31 | 7 12 58 | 18°44'59 | 11°V37 | 17°53 | 1°R32 | 8°29 | 2°II10 | 12°R26 | 3°II 8 | 8°II 5 | 20°R16 | 15°Ω 9 | 16°Ω17 | 18°Ω31 | 16°V46 |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | | | | | | | | |
|------|---------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|-------|-------|------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | | | | | | | | |
| T 1 | 22s59 | 11s52 | 1s25 | 19s36 | 0n54 | 23s52 | 0s30 | 23s17 | 0s32 | 13s43 | 1s 7 | 13n37 | 2s26 | 20n57 | 0s 5 | 9n21 | 0n56 | 24n10 | 2n19 | 15n55 | 15n31 | 1s59 | 7n18 | 0n43 |
| F 2 | 23 4 | 7 40 | 2 33 | 20 1 | 0 47 | 23 57 | 0 32 | 23 22 | 0 33 | 13 39 | 1 7 | 13 36 | 2 26 | 20 57 | 0 5 | 9 21 | 0 56 | 24 10 | 2 19 | 15 55 | 15 32 | 2 2 | 7 17 | 0 43 |
| S 3 | 23 9 | 3 0 | 3 33 | 20 25 | 0 39 | 24 2 | 0 34 | 23 27 | 0 33 | 13 36 | 1 7 | 13 35 | 2 25 | 20 56 | 0 5 | 9 21 | 0 56 | 24 11 | 2 19 | 15 55 | 15 33 | 2 4 | 7 17 | 0 43 |
| S 4 | 23 13 | 1n53 | 4 21 | 20 48 | 0 31 | 24 6 | 0 36 | 23 32 | 0 34 | 13 32 | 1 7 | 13 34 | 2 25 | 20 56 | 0 5 | 9 21 | 0 57 | 24 11 | 2 19 | 15 56 | 15 34 | 2 6 | 7 16 | 0 43 |
| M 5 | 23 17 | 6 42 | 4 53 | 21 11 | 0 24 | 24 9 | 0 39 | 23 36 | 0 34 | 13 29 | 1 7 | 13 34 | 2 25 | 20 55 | 0 5 | 9 21 | 0 57 | 24 11 | 2 19 | 15 57 | 15 35 | 2 8 | 7 16 | 0 42 |
| T 6 | 23 20 | 11 11 | 5 6 | 21 32 | 0 17 | 24 11 | 0 41 | 23 41 | 0 35 | 13 25 | 1 7 | 13 33 | 2 25 | 20 55 | 0 5 | 9 21 | 0 57 | 24 11 | 2 19 | 15 59 | 15 36 | 2 10 | 7 15 | 0 42 |
| W 7 | 23 23 | 15 0 | 4 59 | 21 53 | 0 9 | 24 13 | 0 43 | 23 45 | 0 36 | 13 22 | 1 6 | 13 32 | 2 25 | 20 55 | 0 5 | 9 21 | 0 57 | 24 12 | 2 19 | 16 2 | 15 37 | 2 12 | 7 15 | 0 42 |
| T 8 | 23 26 | 17 53 | 4 34 | 22 13 | 0 2 | 24 14 | 0 45 | 23 48 | 0 36 | 13 18 | 1 6 | 13 31 | 2 24 | 20 54 | 0 5 | 9 21 | 0 57 | 24 12 | 2 20 | 16 4 | 15 38 | 2 14 | 7 15 | 0 42 |
| F 9 | 23 28 | 19 37 | 3 51 | 22 32 | 0s 5 | 24 14 | 0 47 | 23 52 | 0 37 | 13 15 | 1 6 | 13 31 | 2 24 | 20 54 | 0 5 | 9 21 | 0 57 | 24 12 | 2 20 | 16 7 | 15 39 | 2 17 | 7 14 | 0 42 |
| S 10 | 23 29 | 20 8 | 2 56 | 22 50 | 0 | 12 24 | 0 49 | 23 55 | 0 37 | 13 11 | 1 6 | 13 30 | 2 24 | 20 53 | 0 5 | 9 21 | 0 57 | 24 13 | 2 20 | 16 9 | 15 40 | 2 19 | 7 14 | 0 42 |
| S 11 | 23 30 | 19 27 | 1 52 | 23 7 | 0 | 19 24 | 0 51 | 23 58 | 0 38 | 13 7 | 1 6 | 13 30 | 2 24 | 20 53 | 0 5 | 9 22 | 0 57 | 24 13 | 2 20 | 16 10 | 15 41 | 2 21 | 7 14 | 0 42 |
| M12 | 23 31 | 17 42 | 0 43 | 23 22 | 0 26 | 24 10 | 0 53 | 24 1 | 0 38 | 13 3 | 1 6 | 13 29 | 2 23 | 20 52 | 0 5 | 9 22 | 0 57 | 24 13 | 2 20 | 16 11 | 15 42 | 2 23 | 7 13 | 0 42 |
| T 13 | 23 31 | 15 7 | 0n26 | 23 37 | 0 33 | 24 7 | 0 55 | 24 3 | 0 39 | 13 0 | 1 6 | 13 29 | 2 23 | 20 52 | 0 5 | 9 22 | 0 57 | 24 13 | 2 20 | 16 11 | 15 43 | 2 25 | 7 13 | 0 41 |
| W14 | 23 30 | 11 53 | 1 32 | 23 50 | 0 39 | 24 4 | 0 57 | 24 5 | 0 39 | 12 56 | 1 6 | 13 28 | 2 23 | 20 52 | 0 5 | 9 22 | 0 57 | 24 14 | 2 20 | 16 10 | 15 44 | 2 27 | 7 13 | 0 41 |
| T 15 | 23 29 | 8 14 | 2 33 | 24 2 | 0 45 | 24 0 | 0 59 | 24 7 | 0 40 | 12 52 | 1 6 | 13 28 | 2 22 | 20 51 | 0 5 | 9 22 | 0 57 | 24 14 | 2 20 | 16 10 | 15 45 | 2 29 | 7 13 | 0 41 |
| F 16 | 23 28 | 4 18 | 3 25 | 24 14 | 0 51 | 23 55 | 1 1 | 24 9 | 0 40 | 12 48 | 1 5 | 13 27 | 2 22 | 20 51 | 0 5 | 9 22 | 0 57 | 24 14 | 2 20 | 16 9 | 15 46 | 2 32 | 7 13 | 0 41 |
| S 17 | 23 26 | 0 15 | 4 9 | 24 23 | 0 57 | 23 49 | 1 3 | 24 10 | 0 41 | 12 44 | 1 5 | 13 27 | 2 22 | 20 50 | 0 5 | 9 23 | 0 57 | 24 14 | 2 20 | 16 9 | 15 47 | 2 34 | 7 12 | 0 41 |
| S 18 | 23 24 | 3s47 | 4 42 | 24 32 | 1 3 | 23 42 | 1 4 | 24 12 | 0 42 | 12 40 | 1 5 | 13 27 | 2 22 | 20 50 | 0 5 | 9 23 | 0 57 | 24 15 | 2 20 | 16 10 | 15 48 | 2 36 | 7 12 | 0 41 |
| M19 | 23 21 | 7 42 | 5 2 | 24 39 | 1 9 | 23 35 | 1 6 | 24 13 | 0 42 | 12 36 | 1 5 | 13 26 | 2 21 | 20 50 | 0 5 | 9 23 | 0 57 | 24 15 | 2 20 | 16 11 | 15 49 | 2 38 | 7 12 | 0 41 |
| T 20 | 23 18 | 11 22 | 5 10 | 24 45 | 1 14 | 23 27 | 1 8 | 24 13 | 0 43 | 12 32 | 1 5 | 13 26 | 2 21 | 20 49 | 0 5 | 9 23 | 0 57 | 24 15 | 2 21 | 16 12 | 15 50 | 2 40 | 7 12 | 0 41 |
| W21 | 23 14 | 14 36 | 5 4 | 24 49 | 1 19 | 23 18 | 1 9 | 24 14 | 0 43 | 12 27 | 1 5 | 13 26 | 2 21 | 20 49 | 0 5 | 9 24 | 0 57 | 24 16 | 2 21 | 16 14 | 15 51 | 2 42 | 7 12 | 0 41 |
| T 22 | 23 10 | 17 15 | 4 44 | 24 53 | 1 24 | 23 9 | 1 11 | 24 14 | 0 44 | 12 23 | 1 5 | 13 26 | 2 21 | 20 49 | 0 5 | 9 24 | 0 57 | 24 16 | 2 21 | 16 16 | 15 52 | 2 44 | 7 12 | 0 40 |
| F 23 | 23 5 19 | 8 4 | 4 9 | 24 54 | 1 29 | 22 59 | 1 12 | 24 13 | 0 44 | 12 19 | 1 5 | 13 25 | 2 20 | 20 48 | 0 5 | 9 24 | 0 57 | 24 16 | 2 21 | 16 18 | 15 53 | 2 47 | 7 12 | 0 40 |
| S 24 | 23 0 20 | 4 3 | 3 21 | 24 55 | 1 34 | 22 48 | 1 14 | 24 13 | 0 45 | 12 15 | 1 5 | 13 25 | 2 20 | 20 48 | 0 5 | 9 25 | 0 57 | 24 16 | 2 21 | 16 20 | 15 54 | 2 49 | 7 12 | 0 40 |
| S 25 | 22 54 | 19 55 | 2 20 | 24 54 | 1 38 | 22 36 | 1 15 | 24 12 | 0 45 | 12 10 | 1 5 | 13 25 | 2 20 | 20 48 | 0 5 | 9 25 | 0 57 | 24 17 | 2 21 | 16 21 | 15 55 | 2 51 | 7 12 | 0 40 |
| M26 | 22 48 | 18 38 | 1 11 | 24 51 | 1 42 | 22 34 | 1 17 | 24 11 | 0 46 | 12 6 | 1 4 | 13 25 | 2 19 | 20 47 | 0 5 | 9 25 | 0 57 | 24 17 | 2 21 | 16 22 | 15 55 | 2 53 | 7 12 | 0 40 |
| T 27 | 22 42 | 16 15 | 0s 3 | 24 47 | 1 46 | 22 11 | 1 18 | 24 10 | 0 46 | 12 2 | 1 4 | 13 25 | 2 19 | 20 47 | 0 5 | 9 26 | 0 57 | 24 17 | 2 21 | 16 22 | 15 56 | 2 55 | 7 12 | 0 40 |
| W28 | 22 35 | 12 55 | 1 18 | 24 41 | 1 49 | 21 58 | 1 19 | 24 9 | 0 47 | 11 57 | 1 4 | 13 25 | 2 19 | 20 47 | 0 5 | 9 26 | 0 57 | 24 18 | 2 21 | 16 22 | 15 57 | 2 57 | 7 12 | 0 40 |
| T 29 | 22 28 | 8 50 | 2 29 | 24 34 | 1 52 | | | | | | | | | | | | | | | | | | | |