

SWISS EPHEMERIS for the year 1640

JANUARY 1640 GC

00:00 UT

Main table with 16 columns: Day, Sid.t, ☉, ☽, ♀, ♁, ♂, ♃, ♄, ♅, ♆, ♇, ♈, ♉, ♊, ♋. Rows S1 to T31.

Main table with 16 columns: Day, ☉, ☽, ♀, ♁, ♂, ♃, ♄, ♅, ♆, ♇, ♈, ♉, ♊, ♋. Rows S1 to T31 with sub-declination values.

Julian Day Number = 2320057.5, Delta T = 60.19 sec
Ecliptic obliquity = 23°29'06, Nutation = 0°00'16
Ayanamsha: Fagan/Bradley = 19°42'56, Lahiri = 18°49'56Greg. Calendar

SWISS EPHEMERIS for the year 1640

APRIL 1640 GC

00:00 UT

Table with 16 columns (Day, Sid.t, ☉, ☽, ♀, ♀, ♂, ♃, ♅, ♁, ♆, ♄, ♀, ♁, ♃, ♅) and rows for days S 1 through M30.

Table with 16 columns (Day, ☉, ☽, ♀, ♀, ♂, ♃, ♅, ♁, ♆, ♄, ♀, ♁, ♃, ♅) and rows for days S 1 through M30, including declination and latitude values.

Julian Day Number = 2320148.5, Delta T = 59.78 sec
Ecliptic obliquity = 23°29'06", Nutation = 0°00'15"
Ayanamsha: Fagan/Bradley = 19°43'09", Lahiri = 18°50'09" Greg. Calendar

SWISS EPHEMERIS for the year 1640

SEPTEMBER 1640 GC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|--------|--------|--------|--------|-------|--------|------|-------|-------|--------|-------|--------|--------|---|
| S 1 | 22 42 38 | 8♍56'32 | 16♋25 | 5♌48 | 4♍24 | 26°R41 | 28♌11 | 26°R10 | 0♍ 2 | 22♍49 | 2°R22 | 24°R10 | 24♍55 | 12♌17 | 0♍ 2 | |
| S 2 | 22 46 35 | 9°54'46 | 28°54 | 6°48 | 5°38 | 26°R28 | 28°13 | 26°R 5 | 0° 5 | 22°50 | 2°R22 | 23♍59 | 24°52 | 12°24 | 0° 2 | |
| M 3 | 22 50 31 | 10°53'01 | 11°Y 9 | 7°45 | 6°53 | 26°R15 | 28°14 | 26° 1 | 0° 7 | 22°51 | 2°21 | 23°49 | 24°48 | 12°30 | 0° 2 | |
| T 4 | 22 54 28 | 11°51'18 | 23°12 | 8°39 | 8° 7 | 26° 3 | 28°16 | 25°57 | 0°10 | 22°52 | 2°21 | 23°43 | 24°45 | 12°37 | 0° 2 | |
| W 5 | 22 58 25 | 12°49'37 | 5♌ 6 | 9°30 | 9°22 | 25°52 | 28°18 | 25°52 | 0°13 | 22°53 | 2°21 | 23°39 | 24°42 | 12°44 | 0°R 2 | |
| T 6 | 23 2 21 | 13°47'59 | 16°55 | 10°18 | 10°36 | 25°40 | 28°21 | 25°48 | 0°16 | 22°54 | 2°21 | 23°37 | 24°39 | 12°50 | 0° 2 | |
| F 7 | 23 6 18 | 14°46'22 | 28°42 | 11° 2 | 11°51 | 25°30 | 28°23 | 25°44 | 0°19 | 22°55 | 2°21 | 23°D37 | 24°36 | 12°57 | 0° 2 | |
| S 8 | 23 10 14 | 15°44'48 | 10♍33 | 11°43 | 13° 6 | 25°20 | 28°26 | 25°40 | 0°22 | 22°56 | 2°21 | 23°R38 | 24°33 | 13° 4 | 0° 2 | |
| S 9 | 23 14 11 | 16°43'15 | 22°34 | 12°20 | 14°20 | 25°11 | 28°29 | 25°36 | 0°25 | 22°57 | 2°21 | 23°38 | 24°29 | 13°10 | 0° 2 | |
| M10 | 23 18 7 | 17°41'45 | 4♌50 | 12°53 | 15°35 | 25° 2 | 28°32 | 25°32 | 0°28 | 22°58 | 2°21 | 23°36 | 24°26 | 13°17 | 0° 2 | |
| T 11 | 23 22 4 | 18°40'17 | 17°26 | 13°21 | 16°50 | 24°55 | 28°35 | 25°28 | 0°31 | 22°59 | 2°20 | 23°33 | 24°23 | 13°24 | 0° 1 | |
| W12 | 23 26 0 | 19°38'52 | 0♌26 | 13°44 | 18° 4 | 24°48 | 28°38 | 25°24 | 0°34 | 23° 0 | 2°20 | 23°27 | 24°20 | 13°30 | 0° 1 | |
| T 13 | 23 29 57 | 20°37'28 | 13°51 | 14° 2 | 19°19 | 24°41 | 28°42 | 25°20 | 0°37 | 23° 2 | 2°20 | 23°19 | 24°17 | 13°37 | 0° 0 | |
| F 14 | 23 33 54 | 21°36'07 | 27°43 | 14°14 | 20°34 | 24°36 | 28°45 | 25°16 | 0°40 | 23° 3 | 2°20 | 23° 9 | 24°13 | 13°44 | 29°R59 | |
| S 15 | 23 37 50 | 22°34'47 | 11♍59 | 14°R20 | 21°49 | 24°31 | 28°49 | 25°12 | 0°43 | 23° 4 | 2°19 | 22°59 | 24°10 | 13°50 | 29°59 | |
| S 16 | 23 41 47 | 23°33'30 | 26°32 | 14°20 | 23° 3 | 24°27 | 28°53 | 25° 9 | 0°46 | 23° 6 | 2°19 | 22°50 | 24° 7 | 13°57 | 29°58 | |
| M17 | 23 45 43 | 24°32'14 | 11♌17 | 14°14 | 24°18 | 24°23 | 28°58 | 25° 5 | 0°49 | 23° 7 | 2°19 | 22°43 | 24° 4 | 14° 4 | 29°58 | |
| T 18 | 23 49 40 | 25°31'01 | 26° 6 | 14° 0 | 25°33 | 24°21 | 29° 2 | 25° 1 | 0°52 | 23° 8 | 2°18 | 22°38 | 24° 1 | 14°10 | 29°57 | |
| W19 | 23 53 36 | 26°29'49 | 10♍50 | 13°39 | 26°48 | 24°19 | 29° 7 | 24°58 | 0°56 | 23°10 | 2°18 | 22°35 | 23°58 | 14°17 | 29°56 | |
| T 20 | 23 57 33 | 27°28'39 | 13°10 | 28° 3 | 24°D19 | 29°11 | 24°54 | 25°08 | 0°59 | 23°11 | 2°18 | 22°D35 | 23°54 | 14°23 | 29°55 | |
| F 21 | 0 1 29 | 28°27'31 | 9♌43 | 12°35 | 29°17 | 24°19 | 29°16 | 24°51 | 1° 2 | 23°13 | 2°17 | 22°35 | 23°51 | 14°30 | 29°54 | |
| S 22 | 0 5 26 | 29°26'25 | 23°47 | 11°52 | 0♌32 | 24°19 | 29°21 | 24°48 | 1° 6 | 23°14 | 2°17 | 22°R36 | 23°48 | 14°37 | 29°53 | |
| S 23 | 0 9 22 | 0♌25'20 | 7♌34 | 11° 2 | 1°47 | 24°21 | 29°27 | 24°44 | 1° 9 | 23°16 | 2°16 | 22°36 | 23°45 | 14°43 | 29°52 | |
| M24 | 0 13 19 | 1°24'17 | 21° 6 | 10° 6 | 3° 2 | 24°24 | 29°32 | 24°41 | 1°12 | 23°17 | 2°16 | 22°34 | 23°42 | 14°50 | 29°50 | |
| T 25 | 0 17 16 | 2°23'16 | 4♌22 | 9° 5 | 4°17 | 24°27 | 29°38 | 24°38 | 1°16 | 23°19 | 2°16 | 22°30 | 23°39 | 14°57 | 29°49 | |
| W26 | 0 21 12 | 3°22'17 | 17°25 | 7°59 | 5°32 | 24°31 | 29°43 | 24°35 | 1°19 | 23°20 | 2°15 | 22°24 | 23°35 | 15° 3 | 29°48 | |
| T 27 | 0 25 9 | 4°21'19 | 0♋15 | 6°51 | 6°47 | 24°36 | 29°49 | 24°32 | 1°23 | 23°22 | 2°15 | 22°16 | 23°32 | 15°10 | 29°46 | |
| F 28 | 0 29 5 | 5°20'23 | 12°52 | 5°42 | 8° 2 | 24°41 | 29°55 | 24°29 | 1°26 | 23°24 | 2°14 | 22° 8 | 23°29 | 15°17 | 29°45 | |
| S 29 | 0 33 2 | 6°19'29 | 25°18 | 4°33 | 9°16 | 24°47 | 0♌ 2 | 24°27 | 1°29 | 23°25 | 2°13 | 21°59 | 23°26 | 15°23 | 29°43 | |
| S 30 | 0 36 58 | 7♌18'38 | 7°Y33 | 3♌27 | 10♌31 | 24°55 | 0♌ 8 | 24°24 | 1♌33 | 23♌27 | 2°R13 | 21♌51 | 23♌23 | 15°R30 | 29°R42 | |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | | | | | | | | |
|------|------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|-------|-------|-------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | | | | | | | | |
| S 1 | 8n14 | 1s 5 | 4n39 | 4s24 | 2s16 | 11n11 | 1n22 | 18s35 | 6s20 | 23s31 | 0s 3 | 14s24 | 1s40 | 11s 4 | 0n29 | 16s51 | 1n43 | 8n42 | 12s12 | 18s51 | 19s 2 | 16n38 | 16n47 | 3s29 |
| S 2 | 7 52 | 3n21 | 4 8 | 4 55 | 2 25 | 10 44 | 1 23 | 18 37 | 6 17 | 23 31 | 0 3 | 14 25 | 1 40 | 11 4 | 0 29 | 16 52 | 1 43 | 8 41 | 12 13 | 18 48 | 19 1 | 16 39 | 16 47 | 3 30 |
| M 3 | 7 30 | 7 34 | 3 25 | 5 26 | 2 33 | 10 17 | 1 23 | 18 39 | 6 14 | 23 32 | 0 3 | 14 27 | 1 40 | 11 5 | 0 29 | 16 52 | 1 43 | 8 41 | 12 13 | 18 46 | 19 0 | 16 40 | 16 46 | 3 30 |
| T 4 | 7 8 | 11 25 | 2 34 | 5 55 | 2 42 | 9 50 | 1 24 | 18 40 | 6 11 | 23 32 | 0 3 | 14 28 | 1 40 | 11 6 | 0 29 | 16 52 | 1 42 | 8 41 | 12 13 | 18 44 | 19 0 | 16 41 | 16 46 | 3 30 |
| W 5 | 6 45 | 14 46 | 1 37 | 6 23 | 2 50 | 9 22 | 1 24 | 18 40 | 6 7 | 23 32 | 0 3 | 14 30 | 1 40 | 11 7 | 0 29 | 16 52 | 1 42 | 8 41 | 12 13 | 18 43 | 18 59 | 16 42 | 16 46 | 3 31 |
| T 6 | 6 23 | 17 29 | 0 36 | 6 49 | 2 58 | 8 54 | 1 24 | 18 41 | 6 4 | 23 32 | 0 4 | 14 31 | 1 40 | 11 8 | 0 28 | 16 53 | 1 42 | 8 40 | 12 13 | 18 43 | 18 58 | 16 44 | 16 46 | 3 31 |
| F 7 | 6 0 | 19 28 | 0s27 | 7 13 | 3 6 | 8 26 | 1 25 | 18 41 | 6 0 | 23 32 | 0 4 | 14 32 | 1 40 | 11 10 | 0 28 | 16 53 | 1 42 | 8 40 | 12 14 | 18 43 | 18 57 | 16 45 | 16 45 | 3 31 |
| S 8 | 5 38 | 20 36 | 1 29 | 7 36 | 3 13 | 7 58 | 1 25 | 18 41 | 5 56 | 23 32 | 0 4 | 14 34 | 1 40 | 11 11 | 0 28 | 16 53 | 1 42 | 8 40 | 12 14 | 18 43 | 18 56 | 16 46 | 16 45 | 3 32 |
| S 9 | 5 15 | 20 49 | 2 28 | 7 57 | 3 20 | 7 29 | 1 25 | 18 40 | 5 52 | 23 32 | 0 4 | 14 35 | 1 40 | 11 12 | 0 28 | 16 54 | 1 42 | 8 40 | 12 14 | 18 43 | 18 56 | 16 47 | 16 44 | 3 32 |
| M10 | 4 52 | 20 2 | 3 22 | 8 16 | 3 27 | 7 0 | 1 25 | 18 39 | 5 48 | 23 33 | 0 4 | 14 37 | 1 40 | 11 13 | 0 28 | 16 54 | 1 42 | 8 39 | 12 14 | 18 43 | 18 55 | 16 48 | 16 44 | 3 32 |
| T 11 | 4 29 | 18 16 | 4 7 | 8 33 | 3 33 | 6 31 | 1 25 | 18 38 | 5 44 | 23 33 | 0 4 | 14 38 | 1 40 | 11 14 | 0 28 | 16 54 | 1 42 | 8 39 | 12 15 | 18 42 | 18 54 | 16 50 | 16 44 | 3 33 |
| W12 | 4 6 | 15 32 | 4 41 | 8 47 | 3 38 | 6 2 | 1 25 | 18 37 | 5 40 | 23 33 | 0 4 | 14 39 | 1 40 | 11 15 | 0 28 | 16 55 | 1 42 | 8 39 | 12 15 | 18 40 | 18 53 | 16 51 | 16 43 | 3 33 |
| T 13 | 3 43 | 11 54 | 5 0 | 8 58 | 3 43 | 5 32 | 1 25 | 18 35 | 5 35 | 23 33 | 0 4 | 14 41 | 1 40 | 11 16 | 0 28 | 16 55 | 1 42 | 8 39 | 12 15 | 18 38 | 18 53 | 16 52 | 16 43 | 3 33 |
| F 14 | 3 20 | 7 32 | 5 4 | 9 7 | 3 47 | 5 2 | 1 25 | 18 32 | 5 31 | 23 33 | 0 4 | 14 42 | 1 40 | 11 17 | 0 28 | 16 56 | 1 42 | 8 38 | 12 15 | 18 36 | 18 52 | 16 53 | 16 42 | 3 34 |
| S 15 | 2 57 | 2 38 | 4 48 | 9 12 | 3 50 | 4 33 | 1 24 | 18 30 | 5 27 | 23 33 | 0 5 | 14 43 | 1 40 | 11 18 | 0 28 | 16 56 | 1 42 | 8 38 | 12 15 | 18 33 | 18 51 | 16 54 | 16 42 | 3 34 |
| S 16 | 2 34 | 2s30 | 4 14 | 9 14 | 3 52 | 4 3 | 1 24 | 18 27 | 5 22 | 23 33 | 0 5 | 14 44 | 1 40 | 11 19 | 0 28 | 16 56 | 1 42 | 8 38 | 12 16 | 18 31 | 18 50 | 16 55 | 16 41 | 3 34 |
| M17 | 2 10 | 7 35 | 3 23 | 9 12 | 3 53 | 3 33 | 1 24 | 18 24 | 5 17 | 23 34 | 0 5 | 14 46 | 1 40 | 11 20 | 0 28 | 16 57 | 1 42 | 8 38 | 12 16 | 18 29 | 18 49 | 16 57 | 16 41 | 3 35 |
| T 18 | 1 47 | 12 13 | 2 17 | 9 7 | 3 53 | 3 3 | 1 23 | 18 20 | 5 13 | 23 34 | 0 5 | 14 47 | 1 40 | 11 22 | 0 28 | 16 57 | 1 42 | 8 37 | 12 16 | 18 28 | 18 49 | 16 58 | 16 40 | 3 35 |
| W19 | 1 24 | 16 6 | 1 3 | 8 57 | 3 52 | 2 32 | 1 23 | 18 17 | 5 8 | 23 34 | 0 5 | 14 48 | 1 40 | 11 23 | 0 28 | 16 57 | 1 42 | 8 37 | 12 16 | 18 27 | 18 48 | 16 59 | 16 40 | 3 35 |
| T 20 | 1 0 | 18 54 | 0n15 | 8 43 | 3 49 | 2 2 | 1 22 | 18 12 | 5 4 | 23 34 | 0 5 | 14 49 | 1 40 | 11 24 | 0 28 | 16 58 | 1 42 | 8 37 | 12 16 | 18 27 | 18 47 | 17 0 | 16 39 | 3 36 |
| F 21 | 0 37 | 20 27 | 1 31 | 8 25 | 3 44 | 1 32 | 1 21 | 18 8 | 4 59 | 23 34 | 0 5 | 14 50 | 1 40 | 11 25 | 0 28 | 16 58 | 1 42 | 8 37 | 12 17 | 18 27 | 18 46 | 17 1 | 16 39 | 3 36 |
| S 22 | 0 13 | 20 41 | 2 40 | 8 2 | 3 37 | 1 1 | 1 21 | 18 3 | 4 54 | 23 34 | 0 5 | 14 51 | 1 40 | 11 26 | 0 28 | 16 59 | 1 42 | 8 36 | 12 17 | 18 27 | 18 46 | 17 2 | 16 38 | 3 36 |
| S 23 | 0s10 | 19 38 | 3 38 | 7 35 | 3 29 | 0 31 | 1 20 | 17 58 | 4 50 | 23 34 | 0 5 | 14 52 | 1 40 | 11 27 | 0 28 | 16 59 | 1 41 | 8 36 | 12 17 | 18 27 | 18 45 | 17 4 | 16 38 | 3 37 |
| M24 | 0 3 | | | | | | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1640

OCTOBER 1640 GC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|-------|------|--------|------|-------|-------|--------|-------|-------|--------|
| M 1 | 0 40 55 | 8♁1748 | 19♁38 | 2°R26 | 11♁46 | 25♁ 2 | 0♁14 | 24°R21 | 1♁36 | 23♁29 | 2°R12 | 21°R45 | 23♁19 | 15♁37 | 29°R40 |
| T 2 | 0 44 51 | 9°1700 | 1♁34 | 1♁30 | 13° 1 | 25°11 | 0°21 | 24°R19 | 1°40 | 23°30 | 2♁12 | 21♁41 | 23°16 | 15°43 | 29°R38 |
| W 3 | 0 48 48 | 10°16'15 | 13°24 | 0°43 | 14°16 | 25°20 | 0°28 | 24°16 | 1°44 | 23°32 | 2°11 | 21°39 | 23°13 | 15°50 | 29°R36 |
| T 4 | 0 52 45 | 11°15'32 | 25°11 | 0° 4 | 15°31 | 25°30 | 0°35 | 24°14 | 1°47 | 23°34 | 2°10 | 21°D39 | 23°10 | 15°57 | 29°R35 |
| F 5 | 0 56 41 | 12°14'51 | 6♁58 | 29♁36 | 16°46 | 25°41 | 0°42 | 24°12 | 1°51 | 23°36 | 2°10 | 21°40 | 23° 7 | 16° 3 | 29°R33 |
| S 6 | 1 0 38 | 13°14'12 | 18°49 | 29°17 | 18° 1 | 25°52 | 0°49 | 24° 9 | 1°54 | 23°37 | 2° 9 | 21°41 | 23° 4 | 16°10 | 29°R31 |
| S 7 | 1 4 34 | 14°13'36 | 0♁49 | 29°D10 | 19°16 | 26° 4 | 0°57 | 24° 7 | 1°58 | 23°39 | 2° 8 | 21°43 | 23° 0 | 16°16 | 29°R29 |
| M 8 | 1 8 31 | 15°13'02 | 13° 3 | 29°14 | 20°31 | 26°17 | 1° 4 | 24° 5 | 2° 2 | 23°41 | 2° 8 | 21°R44 | 22°57 | 16°23 | 29°R27 |
| T 9 | 1 12 27 | 16°12'31 | 25°35 | 29°29 | 21°46 | 26°30 | 1°12 | 24° 3 | 2° 5 | 23°43 | 2° 7 | 21°43 | 22°54 | 16°30 | 29°R24 |
| W10 | 1 16 24 | 17°12'01 | 8♁31 | 29°53 | 23° 1 | 26°44 | 1°20 | 24° 1 | 2° 9 | 23°45 | 2° 6 | 21°41 | 22°51 | 16°36 | 29°R22 |
| T 11 | 1 20 20 | 18°11'34 | 21°54 | 0♁28 | 24°16 | 26°59 | 1°28 | 24° 0 | 2°12 | 23°47 | 2° 5 | 21°38 | 22°48 | 16°43 | 29°R20 |
| F 12 | 1 24 17 | 19°11'09 | 5♁45 | 1°11 | 25°31 | 27°14 | 1°36 | 23°58 | 2°16 | 23°49 | 2° 5 | 21°33 | 22°44 | 16°50 | 29°R18 |
| S 13 | 1 28 14 | 20°10'47 | 20° 3 | 2° 3 | 26°46 | 27°30 | 1°44 | 23°57 | 2°20 | 23°51 | 2° 4 | 21°29 | 22°41 | 16°56 | 29°R15 |
| S 14 | 1 32 10 | 21°10'27 | 4♁45 | 3° 2 | 28° 1 | 27°47 | 1°53 | 23°55 | 2°24 | 23°53 | 2° 3 | 21°24 | 22°38 | 17° 3 | 29°R13 |
| M15 | 1 36 7 | 22°10'08 | 19°43 | 4° 7 | 29°16 | 28° 4 | 2° 1 | 23°54 | 2°27 | 23°55 | 2° 2 | 21°20 | 22°35 | 17°10 | 29°R10 |
| T 16 | 1 40 3 | 23° 9'52 | 4♁50 | 5°18 | 0♁31 | 28°21 | 2°10 | 23°53 | 2°31 | 23°56 | 2° 1 | 21°18 | 22°32 | 17°16 | 29° 8 |
| W17 | 1 44 0 | 24° 9'38 | 19°55 | 6°35 | 1°46 | 28°40 | 2°19 | 23°51 | 2°35 | 23°58 | 2° 0 | 21°D17 | 22°29 | 17°23 | 29° 5 |
| T 18 | 1 47 56 | 25° 9'26 | 4♁50 | 7°55 | 3° 1 | 28°58 | 2°28 | 23°50 | 2°38 | 24° 1 | 2° 0 | 21°18 | 22°25 | 17°30 | 29° 3 |
| F 19 | 1 51 53 | 26° 9'15 | 19°29 | 9°19 | 4°17 | 29°18 | 2°37 | 23°49 | 2°42 | 24° 3 | 1°59 | 21°19 | 22°22 | 17°36 | 29° 0 |
| S 20 | 1 55 49 | 27° 9'07 | 3♁47 | 10°46 | 5°32 | 29°38 | 2°46 | 23°49 | 2°46 | 24° 5 | 1°58 | 21°20 | 22°19 | 17°43 | 28°57 |
| S 21 | 1 59 46 | 28° 9'00 | 17°42 | 12°16 | 6°47 | 29°58 | 2°55 | 23°48 | 2°50 | 24° 7 | 1°57 | 21°22 | 22°16 | 17°49 | 28°55 |
| M22 | 2 3 43 | 29° 8'54 | 1♁14 | 13°48 | 8° 2 | 0♁19 | 3° 5 | 23°47 | 2°53 | 24° 9 | 1°56 | 21°R22 | 22°13 | 17°56 | 28°52 |
| T 23 | 2 7 39 | 0♁ 8'51 | 14°25 | 15°21 | 9°17 | 0°40 | 3°14 | 23°47 | 2°57 | 24°11 | 1°55 | 21°21 | 22°10 | 18° 3 | 28°49 |
| W24 | 2 11 36 | 1° 8'48 | 27°17 | 16°56 | 10°32 | 1° 2 | 3°24 | 23°46 | 3° 1 | 24°13 | 1°54 | 21°20 | 22° 6 | 18° 9 | 28°46 |
| T 25 | 2 15 32 | 2° 8'48 | 9♁53 | 18°32 | 11°47 | 1°24 | 3°34 | 23°46 | 3° 5 | 24°15 | 1°53 | 21°17 | 22° 3 | 18°16 | 28°43 |
| F 26 | 2 19 29 | 3° 8'49 | 22°15 | 20° 9 | 13° 2 | 1°47 | 3°44 | 23°46 | 3° 8 | 24°17 | 1°52 | 21°14 | 22° 0 | 18°23 | 28°40 |
| S 27 | 2 23 25 | 4° 8'52 | 4♁26 | 21°46 | 14°17 | 2°10 | 3°54 | 23°46 | 3°12 | 24°19 | 1°51 | 21°11 | 21°57 | 18°29 | 28°37 |
| S 28 | 2 27 22 | 5° 8'56 | 16°28 | 23°24 | 15°32 | 2°34 | 4° 4 | 23°D45 | 3°16 | 24°21 | 1°50 | 21° 9 | 21°54 | 18°36 | 28°34 |
| M29 | 2 31 18 | 6° 9'03 | 28°24 | 25° 2 | 16°47 | 2°58 | 4°14 | 23°46 | 3°20 | 24°24 | 1°49 | 21° 7 | 21°50 | 18°43 | 28°31 |
| T 30 | 2 35 15 | 7° 9'11 | 10♁14 | 26°41 | 18° 2 | 3°22 | 4°24 | 23°46 | 3°23 | 24°26 | 1°48 | 21° 6 | 21°47 | 18°49 | 28°28 |
| W31 | 2 39 11 | 8♁ 9'21 | 22♁ 2 | 28♁19 | 19♁17 | 3♁47 | 4♁35 | 23°46 | 3♁27 | 24♁28 | 1♁47 | 21°D 6 | 21♁44 | 18♁56 | 28♁25 |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | | | | | | | | | |
|------|-------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|-------|-------|-------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| M 1 | 3s18 | 10n14 | 2n45 | 2s12 | 1s21 | 3s34 | 1n12 | 17s 9 | 4s12 | 23s35 | 0s 6 | 15s 0 | 1s40 | 11s37 | 0n28 | 17s 3 | 1n41 | 8n34 | 12s19 | 18s14 | 18s38 | 17n12 | 16n33 | 3s39 |
| T 2 | 3 41 | 13 43 | 1 47 | 1 32 | 1 0 | 4 4 | 1 10 | 17 2 | 4 8 | 23 35 | 0 6 | 15 1 | 1 40 | 11 38 | 0 28 | 17 3 | 1 41 | 8 33 | 12 19 | 18 13 | 18 38 | 17 14 | 16 32 | 3 40 |
| W 3 | 4 4 | 16 36 | 0 45 | 0 54 | 0 40 | 4 35 | 1 9 | 16 54 | 4 3 | 23 35 | 0 6 | 15 1 | 1 40 | 11 40 | 0 28 | 17 4 | 1 41 | 8 33 | 12 19 | 18 13 | 18 37 | 17 15 | 16 31 | 3 40 |
| T 4 | 4 28 | 18 47 | 0s19 | 0 20 | 0 20 | 5 5 | 1 8 | 16 47 | 3 58 | 23 35 | 0 6 | 15 2 | 1 40 | 11 41 | 0 28 | 17 4 | 1 41 | 8 33 | 12 19 | 18 13 | 18 36 | 17 16 | 16 31 | 3 40 |
| F 5 | 4 51 | 20 9 | 1 23 | 0n 9 | 0 1 | 5 35 | 1 6 | 16 39 | 3 54 | 23 36 | 0 7 | 15 3 | 1 40 | 11 42 | 0 28 | 17 5 | 1 41 | 8 33 | 12 19 | 18 13 | 18 35 | 17 17 | 16 30 | 3 41 |
| S 6 | 5 14 | 20 38 | 2 23 | 0 33 | 0n17 | 6 5 | 1 5 | 16 31 | 3 49 | 23 36 | 0 7 | 15 3 | 1 39 | 11 43 | 0 28 | 17 5 | 1 41 | 8 32 | 12 19 | 18 13 | 18 34 | 17 18 | 16 29 | 3 41 |
| S 7 | 5 37 | 20 11 | 3 18 | 0 51 | 0 34 | 6 35 | 1 3 | 16 22 | 3 45 | 23 36 | 0 7 | 15 4 | 1 39 | 11 45 | 0 28 | 17 6 | 1 41 | 8 32 | 12 20 | 18 14 | 18 34 | 17 19 | 16 29 | 3 41 |
| M 8 | 6 0 | 18 47 | 4 5 | 1 4 | 0 50 | 7 5 | 1 1 | 16 14 | 3 41 | 23 36 | 0 7 | 15 5 | 1 39 | 11 46 | 0 28 | 17 6 | 1 41 | 8 32 | 12 20 | 18 14 | 18 33 | 17 20 | 16 28 | 3 41 |
| T 9 | 6 23 | 16 27 | 4 4 | 1 11 | 1 4 | 7 34 | 1 0 | 16 5 | 3 36 | 23 36 | 0 7 | 15 5 | 1 39 | 11 47 | 0 28 | 17 7 | 1 41 | 8 31 | 12 20 | 18 14 | 18 32 | 17 21 | 16 27 | 3 42 |
| W10 | 6 46 | 13 16 | 5 5 | 1 12 | 1 16 | 8 4 | 0 58 | 15 56 | 3 32 | 23 36 | 0 7 | 15 6 | 1 39 | 11 48 | 0 28 | 17 7 | 1 41 | 8 31 | 12 20 | 18 13 | 18 31 | 17 22 | 16 26 | 3 42 |
| T 11 | 7 9 | 9 18 | 5 13 | 1 9 | 1 27 | 8 33 | 0 56 | 15 47 | 3 27 | 23 36 | 0 7 | 15 6 | 1 39 | 11 50 | 0 28 | 17 8 | 1 41 | 8 31 | 12 20 | 18 12 | 18 30 | 17 23 | 16 26 | 3 42 |
| F 12 | 7 32 | 4 43 | 5 3 | 1 0 | 1 36 | 9 2 | 0 55 | 15 38 | 3 23 | 23 36 | 0 7 | 15 7 | 1 39 | 11 51 | 0 28 | 17 8 | 1 41 | 8 31 | 12 20 | 18 11 | 18 30 | 17 24 | 16 25 | 3 43 |
| S 13 | 7 54 | 0s16 | 4 35 | 0 47 | 1 44 | 9 31 | 0 53 | 15 28 | 3 19 | 23 36 | 0 7 | 15 7 | 1 39 | 11 52 | 0 28 | 17 9 | 1 41 | 8 30 | 12 20 | 18 10 | 18 29 | 17 25 | 16 24 | 3 43 |
| S 14 | 8 17 | 5 23 | 3 48 | 0 29 | 1 51 | 10 0 | 0 51 | 15 19 | 3 15 | 23 36 | 0 7 | 15 8 | 1 39 | 11 54 | 0 28 | 17 9 | 1 41 | 8 30 | 12 21 | 18 9 | 18 28 | 17 26 | 16 23 | 3 43 |
| M15 | 8 39 | 10 16 | 2 45 | 0 8 | 1 56 | 10 28 | 0 49 | 15 9 | 3 11 | 23 36 | 0 7 | 15 8 | 1 39 | 11 55 | 0 28 | 17 10 | 1 41 | 8 30 | 12 21 | 18 8 | 18 27 | 17 27 | 16 22 | 3 43 |
| T 16 | 9 1 | 14 33 | 1 29 | 0s17 | 2 0 | 10 57 | 0 47 | 14 59 | 3 7 | 23 36 | 0 8 | 15 8 | 1 39 | 11 56 | 0 28 | 17 10 | 1 41 | 8 29 | 12 21 | 18 7 | 18 26 | 17 28 | 16 22 | 3 44 |
| W17 | 9 23 | 17 52 | 0 8 | 0 45 | 2 2 | 11 25 | 0 45 | 14 49 | 3 3 | 23 36 | 0 8 | 15 9 | 1 39 | 11 57 | 0 28 | 17 11 | 1 41 | 8 29 | 12 21 | 18 7 | 18 25 | 17 30 | 16 21 | 3 44 |
| T 18 | 9 45 | 19 56 | 1n14 | 1 15 | 2 4 | 11 52 | 0 43 | 14 38 | 2 59 | 23 35 | 0 8 | 15 9 | 1 39 | 11 59 | 0 28 | 17 11 | 1 41 | 8 29 | 12 21 | 18 7 | 18 25 | 17 31 | 16 20 | 3 44 |
| F 19 | 10 7 | 20 35 | 2 29 | 1 47 | 2 5 | 12 20 | 0 41 | 14 28 | 2 55 | 23 35 | 0 8 | 15 9 | 1 38 | 12 0 | 0 28 | 17 12 | 1 40 | 8 29 | 12 21 | 18 7 | 18 24 | 17 32 | 16 19 | 3 44 |
| S 20 | 10 29 | 19 53 | 3 33 | 2 22 | 2 4 | 12 47 | 0 39 | 14 17 | 2 51 | 23 35 | 0 8 | 15 9 | 1 38 | 12 1 | 0 28 | 17 12 | 1 40 | 8 28 | 12 21 | 18 6 | 18 23 | 17 33 | 16 18 | 3 45 |
| S 21 | 10 50 | 17 58 | 4 23 | 2 58 | 2 3 | 13 14 | 0 37 | 14 6 | 2 47 | 23 35 | 0 8 | 15 10 | 1 38 | 12 3 | 0 28 | 17 13 | 1 40 | 8 28 | 12 22 | 18 5 | 18 22 | 17 34 | 16 18 | 3 45 |
| M22 | 11 12 | 15 6 | 4 57 | 3 35 | 2 1 | 13 40 | 0 34 | 13 55 | 2 43 | 23 35 | 0 8 | 15 10 | 1 38 | 12 4 | 0 28 | 17 13 | 1 40 | 8 28 | 12 22 | 18 4 | 18 21 | 17 35 | 16 17 | 3 45 |
| T 23 | 11 33 | 11 32 | 5 13 | 4 14 | 1 59 | 14 6 | 0 32 | 13 44 | 2 39 | 23 35 | 0 8 | 15 10 | 1 38 | 12 5 | 0 28 | 17 14 | 1 40 | 8 27 | 12 22 | 18 3 | 18 21 | 17 36 | 16 16 | 3 45 |
| W24 | 11 54 | 7 31 | 5 14 | 4 53 | 1 56 | 14 32 | 0 30 | 13 33 | 2 36 | 23 35 | 0 8 | 15 10 | 1 38 | 12 6 | 0 28 | 17 14 | 1 40 | 8 27 | 12 22 | 18 2 | 18 20 | 17 37 | 16 15 | 3 46 |
| T 25 | 12 15 | 3 15 | 4 59 | 5 33 | 1 52 | 14 58 | 0 28 | 13 22 | 2 32 | 23 35 | 0 8 | 15 10 | 1 38 | 12 8 | 0 28 | 17 15 | 1 40 | 8 27 | 12 22 | 18 1 | 18 19 | 17 38 | 16 14 | 3 46 |
| F 26 | 12 35 | 1n 4 | 4 31 | 6 13 | 1 48 | 15 23 | 0 25 | 13 10 | 2 28 | 23 34 | 0 8 | 15 10 | 1 38 | 12 9 | 0 28 | 17 15 | 1 40 | 8 27 | 12 22 | 18 0 | 18 18 | 17 39 | 16 13 | 3 46 |
| S 27 | 12 56 | 5 17 | 3 51 | 6 54 | 1 44 | 15 47 | 0 23 | 12 58 | 2 25 | 23 34 | 0 9 | 15 10 | 1 38 | 12 10 | 0 28 | 17 16 | 1 40 | 8 26 | 12 22 | 18 5 | 18 17 | 17 40 | 16 13 | 3 46 |
| S 28 | 13 16 | 9 16 | 3 0 | 7 35 | 1 39 | 16 12 | 0 21 | 12 46 | 2 21 | 23 34 | 0 9 | 15 10 | 1 38 | 12 12 | 0 28 | 17 17 | 1 40 | 8 26 | 12 22 | 18 5 | 18 16 | 17 41 | 16 12 | 3 47 |
| M29 | 13 36 | 12 50 | 2 3 | 8 15 | 1 34 | 16 35 | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1640

NOVEMBER 1640 GC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|-------|-------|-------|-------|-------|------|-------|--------|--------|-------|-------|--------|
| T 1 | 2 43 8 | 9♄ 9°33 | 3♂ 49 | 29♂57 | 20♄32 | 4♂13 | 4♂45 | 23♂46 | 3♄31 | 24♄30 | 1°R46 | 21♄ 6 | 21♄41 | 19♂ 3 | 28°R22 |
| F 2 | 2 47 5 | 10° 9'47 | 15°39 | 1♄35 | 21°48 | 4°38 | 4°56 | 23°47 | 3°35 | 24°32 | 1°II45 | 21° 7 | 21°38 | 19° 9 | 28♂19 |
| S 3 | 2 51 1 | 11°10'03 | 27°33 | 3°13 | 23° 3 | 5° 4 | 5° 7 | 23°48 | 3°38 | 24°35 | 1°44 | 21° 8 | 21°35 | 19°16 | 28°15 |
| S 4 | 2 54 58 | 12°10'21 | 9♂36 | 4°51 | 24°18 | 5°30 | 5°17 | 23°48 | 3°42 | 24°37 | 1°43 | 21° 9 | 21°31 | 19°22 | 28°12 |
| M 5 | 2 58 54 | 13°10'40 | 21°50 | 6°29 | 25°33 | 5°57 | 5°28 | 23°49 | 3°46 | 24°39 | 1°42 | 21°10 | 21°28 | 19°29 | 28° 9 |
| T 6 | 3 2 51 | 14°11'02 | 4♂21 | 8° 7 | 26°48 | 6°24 | 5°39 | 23°50 | 3°50 | 24°41 | 1°41 | 21°10 | 21°25 | 19°36 | 28° 6 |
| W 7 | 3 6 47 | 15°11'26 | 17°12 | 9°44 | 28° 3 | 6°52 | 5°51 | 23°51 | 3°53 | 24°43 | 1°40 | 21°R10 | 21°22 | 19°42 | 28° 2 |
| T 8 | 3 10 44 | 16°11'51 | 0♄26 | 11°21 | 29°18 | 7°19 | 6° 2 | 23°52 | 3°57 | 24°46 | 1°39 | 21°10 | 21°19 | 19°49 | 27°59 |
| F 9 | 3 14 40 | 17°12'19 | 14° 7 | 12°57 | 0♂33 | 7°47 | 6°13 | 23°53 | 4° 1 | 24°48 | 1°38 | 21°10 | 21°16 | 19°56 | 27°56 |
| S 10 | 3 18 37 | 18°12'48 | 28°14 | 14°34 | 1°48 | 8°15 | 6°24 | 23°55 | 4° 4 | 24°50 | 1°36 | 21° 9 | 21°12 | 20° 2 | 27°52 |
| S 11 | 3 22 34 | 19°13'20 | 12♂47 | 16°10 | 3° 3 | 8°44 | 6°36 | 23°56 | 4° 8 | 24°52 | 1°35 | 21° 9 | 21° 9 | 20° 9 | 27°49 |
| M12 | 3 26 30 | 20°13'53 | 27°42 | 17°46 | 4°18 | 9°13 | 6°48 | 23°58 | 4°12 | 24°55 | 1°34 | 21° 9 | 21° 6 | 20°16 | 27°46 |
| T13 | 3 30 27 | 21°14'27 | 12♄50 | 19°22 | 5°33 | 9°42 | 6°59 | 23°59 | 4°15 | 24°57 | 1°33 | 21°D 9 | 21° 3 | 20°22 | 27°42 |
| W14 | 3 34 23 | 22°15'04 | 28° 4 | 20°57 | 6°49 | 10°12 | 7°11 | 24° 1 | 4°19 | 24°59 | 1°32 | 21°R 9 | 21° 0 | 20°29 | 27°39 |
| T15 | 3 38 20 | 23°15'42 | 13♂13 | 22°32 | 8° 4 | 10°41 | 7°23 | 24° 3 | 4°23 | 25° 1 | 1°31 | 21° 9 | 20°56 | 20°36 | 27°35 |
| F16 | 3 42 16 | 24°16'21 | 28° 9 | 24° 7 | 9°19 | 11°11 | 7°35 | 24° 5 | 4°26 | 25° 4 | 1°30 | 21° 9 | 20°53 | 20°42 | 27°32 |
| S17 | 3 46 13 | 25°17'02 | 12♂44 | 25°42 | 10°34 | 11°42 | 7°47 | 24° 7 | 4°30 | 25° 6 | 1°29 | 21° 8 | 20°50 | 20°49 | 27°29 |
| S18 | 3 50 9 | 26°17'44 | 26°53 | 27°17 | 11°49 | 12°12 | 7°59 | 24° 9 | 4°33 | 25° 8 | 1°27 | 21° 8 | 20°47 | 20°56 | 27°25 |
| M19 | 3 54 6 | 27°18'27 | 10♂35 | 28°51 | 13° 4 | 12°43 | 8°11 | 24°11 | 4°37 | 25°10 | 1°26 | 21° 7 | 20°44 | 21° 2 | 27°22 |
| T20 | 3 58 3 | 28°19'10 | 23°50 | 0♂25 | 14°19 | 13°14 | 8°23 | 24°13 | 4°40 | 25°13 | 1°25 | 21°D 7 | 20°41 | 21° 9 | 27°18 |
| W21 | 4 1 59 | 29°19'55 | 6♂41 | 2° 0 | 15°34 | 13°45 | 8°35 | 24°16 | 4°44 | 25°15 | 1°24 | 21° 7 | 20°37 | 21°15 | 27°15 |
| T22 | 4 5 56 | 0♂20'41 | 19°12 | 3°34 | 16°49 | 14°17 | 8°48 | 24°18 | 4°47 | 25°17 | 1°23 | 21° 7 | 20°34 | 21°22 | 27°11 |
| F23 | 4 9 52 | 1°21'28 | 1♀27 | 5° 8 | 18° 4 | 14°49 | 9° 0 | 24°21 | 4°51 | 25°19 | 1°22 | 21° 8 | 20°31 | 21°29 | 27° 8 |
| S24 | 4 13 49 | 2°22'16 | 13°29 | 6°41 | 19°19 | 15°21 | 9°13 | 24°24 | 4°54 | 25°22 | 1°21 | 21° 9 | 20°28 | 21°35 | 27° 5 |
| S25 | 4 17 45 | 3°23'05 | 25°23 | 8°15 | 20°34 | 15°53 | 9°25 | 24°27 | 4°58 | 25°24 | 1°20 | 21°11 | 20°25 | 21°42 | 27° 1 |
| M26 | 4 21 42 | 4°23'55 | 7♂12 | 9°49 | 21°49 | 16°25 | 9°38 | 24°30 | 5° 1 | 25°26 | 1°18 | 21°12 | 20°21 | 21°49 | 26°58 |
| T27 | 4 25 38 | 5°24'46 | 18°59 | 11°23 | 23° 4 | 16°58 | 9°51 | 24°33 | 5° 5 | 25°28 | 1°17 | 21°R12 | 20°18 | 21°55 | 26°54 |
| W28 | 4 29 35 | 6°25'38 | 0♂48 | 12°56 | 24°20 | 17°30 | 10° 3 | 24°36 | 5° 8 | 25°31 | 1°16 | 21°12 | 20°15 | 22° 2 | 26°51 |
| T29 | 4 33 32 | 7°26'31 | 12°39 | 14°30 | 25°35 | 18° 3 | 10°16 | 24°39 | 5°11 | 25°33 | 1°15 | 21°11 | 20°12 | 22° 9 | 26°48 |
| F30 | 4 37 28 | 8♂27'26 | 24♂35 | 16♂ 3 | 26♂50 | 18♂36 | 10♂29 | 24♂42 | 5♄15 | 25♄35 | 1°II14 | 21♄ 9 | 20♄ 9 | 22♂15 | 26♂44 |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | | | | | | | | | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|-------|-------|-------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| T 1 | 14s34 | 19n48 | 1s10 | 10s17 | 1n16 | 17s44 | 0n11 | 11s58 | 2s 8 | 23s33 | 0s 9 | 15s 9 | 1s37 | 12s17 | 0n28 | 17s19 | 1n40 | 8n25 | 12s23 | 18s 4 | 18s13 | 17n45 | 16n 8 | 3s47 |
| F 2 | 14 54 | 20 31 | 2 12 | 10 57 | 1 10 | 18 6 | 0 9 | 11 45 | 2 4 | 23 33 | 0 9 | 15 9 | 1 37 | 12 18 | 0 28 | 17 19 | 1 40 | 8 25 | 12 23 | 18 4 | 18 12 | 17 46 | 16 7 | 3 48 |
| S 3 | 15 12 | 20 19 | 3 9 | 11 37 | 1 4 | 18 28 | 0 6 | 11 33 | 2 1 | 23 32 | 0 9 | 15 8 | 1 37 | 12 19 | 0 28 | 17 20 | 1 40 | 8 24 | 12 23 | 18 5 | 18 12 | 17 47 | 16 6 | 3 48 |
| S 4 | 15 31 | 19 10 | 3 58 | 12 16 | 0 58 | 18 49 | 0 4 | 11 20 | 1 58 | 23 32 | 0 9 | 15 8 | 1 37 | 12 21 | 0 28 | 17 20 | 1 40 | 8 24 | 12 23 | 18 5 | 18 11 | 17 47 | 16 5 | 3 48 |
| M 5 | 15 49 | 17 8 | 4 38 | 12 54 | 0 51 | 19 10 | 0 1 | 11 7 | 1 55 | 23 32 | 0 9 | 15 8 | 1 37 | 12 22 | 0 28 | 17 21 | 1 40 | 8 24 | 12 23 | 18 5 | 18 10 | 17 48 | 16 5 | 3 48 |
| T 6 | 16 8 | 14 16 | 5 5 | 13 32 | 0 44 | 19 30 | 0s 1 | 10 54 | 1 52 | 23 31 | 0 9 | 15 7 | 1 37 | 12 23 | 0 28 | 17 21 | 1 40 | 8 24 | 12 23 | 18 5 | 18 9 | 17 49 | 16 4 | 3 48 |
| W 7 | 16 25 | 10 40 | 5 17 | 14 10 | 0 38 | 19 49 | 0 4 | 10 41 | 1 49 | 23 31 | 0 9 | 15 7 | 1 37 | 12 24 | 0 28 | 17 22 | 1 40 | 8 24 | 12 23 | 18 5 | 18 8 | 17 50 | 16 3 | 3 49 |
| T 8 | 16 43 | 6 26 | 5 14 | 14 46 | 0 31 | 20 8 | 0 6 | 10 28 | 1 46 | 23 30 | 0 10 | 15 6 | 1 36 | 12 26 | 0 28 | 17 23 | 1 40 | 8 23 | 12 23 | 18 5 | 18 7 | 17 51 | 16 2 | 3 49 |
| F 9 | 17 0 | 1 45 | 4 53 | 15 22 | 0 24 | 20 27 | 0 8 | 10 15 | 1 43 | 23 30 | 0 10 | 15 6 | 1 36 | 12 27 | 0 28 | 17 23 | 1 40 | 8 23 | 12 23 | 18 5 | 18 7 | 17 52 | 16 1 | 3 49 |
| S 10 | 17 17 | 3s11 | 4 14 | 15 58 | 0 17 | 20 44 | 0 11 | 10 2 | 1 40 | 23 29 | 0 10 | 15 5 | 1 36 | 12 28 | 0 28 | 17 24 | 1 40 | 8 23 | 12 23 | 18 5 | 18 6 | 17 53 | 16 0 | 3 49 |
| S 11 | 17 34 | 8 6 | 3 18 | 16 32 | 0 11 | 21 2 | 0 13 | 9 48 | 1 37 | 23 29 | 0 10 | 15 5 | 1 36 | 12 29 | 0 28 | 17 24 | 1 40 | 8 23 | 12 23 | 18 5 | 18 5 | 17 54 | 15 59 | 3 49 |
| M12 | 17 50 | 12 39 | 2 7 | 17 6 | 0 4 | 21 18 | 0 16 | 9 35 | 1 34 | 23 28 | 0 10 | 15 4 | 1 36 | 12 31 | 0 28 | 17 25 | 1 40 | 8 22 | 12 23 | 18 5 | 18 4 | 17 55 | 15 58 | 3 49 |
| T13 | 18 6 | 16 27 | 0 46 | 17 39 | 0s 3 | 21 34 | 0 18 | 9 21 | 1 31 | 23 28 | 0 10 | 15 4 | 1 36 | 12 32 | 0 28 | 17 25 | 1 40 | 8 22 | 12 23 | 18 5 | 18 3 | 17 56 | 15 57 | 3 49 |
| W14 | 18 22 | 19 9 | 0n38 | 18 11 | 0 9 | 21 50 | 0 21 | 9 7 | 1 28 | 23 27 | 0 10 | 15 3 | 1 36 | 12 33 | 0 28 | 17 26 | 1 40 | 8 22 | 12 23 | 18 5 | 18 2 | 17 57 | 15 57 | 3 50 |
| T15 | 18 37 | 20 27 | 2 0 | 18 42 | 0 16 | 22 5 | 0 23 | 8 54 | 1 26 | 23 27 | 0 10 | 15 2 | 1 36 | 12 34 | 0 28 | 17 26 | 1 40 | 8 22 | 12 23 | 18 5 | 18 1 | 17 58 | 15 56 | 3 50 |
| F16 | 18 52 | 20 16 | 3 12 | 19 12 | 0 23 | 22 19 | 0 26 | 8 40 | 1 23 | 23 26 | 0 10 | 15 1 | 1 36 | 12 35 | 0 28 | 17 27 | 1 40 | 8 21 | 12 23 | 18 5 | 18 1 | 17 59 | 15 55 | 3 50 |
| S17 | 19 7 | 18 44 | 4 10 | 19 42 | 0 29 | 22 32 | 0 28 | 8 26 | 1 20 | 23 26 | 0 10 | 15 1 | 1 36 | 12 37 | 0 28 | 17 27 | 1 40 | 8 21 | 12 23 | 18 5 | 18 0 | 15 54 | 15 54 | 3 50 |
| S18 | 19 22 | 16 4 | 4 50 | 20 10 | 0 36 | 22 45 | 0 31 | 8 12 | 1 18 | 23 25 | 0 10 | 15 0 | 1 35 | 12 38 | 0 28 | 17 28 | 1 40 | 8 21 | 12 23 | 18 4 | 17 59 | 18 1 | 15 53 | 3 50 |
| M19 | 19 36 | 12 36 | 5 13 | 20 37 | 0 42 | 22 57 | 0 33 | 7 57 | 1 15 | 23 24 | 0 10 | 14 59 | 1 35 | 12 39 | 0 28 | 17 29 | 1 40 | 8 21 | 12 23 | 18 4 | 17 58 | 18 1 | 15 52 | 3 50 |
| T20 | 19 49 | 8 36 | 5 18 | 21 4 | 0 48 | 23 9 | 0 35 | 7 43 | 1 13 | 23 24 | 0 11 | 14 58 | 1 35 | 12 40 | 0 28 | 17 29 | 1 40 | 8 21 | 12 23 | 18 4 | 17 57 | 18 2 | 15 51 | 3 50 |
| W21 | 20 3 | 4 19 | 5 6 | 21 29 | 0 54 | 23 20 | 0 38 | 7 29 | 1 10 | 23 23 | 0 11 | 14 57 | 1 35 | 12 41 | 0 28 | 17 30 | 1 40 | 8 20 | 12 23 | 18 4 | 17 56 | 18 3 | 15 50 | 3 50 |
| T22 | 20 16 | 0n 2 | 4 41 | 21 53 | 1 0 | 23 30 | 0 40 | 7 14 | 1 8 | 23 22 | 0 11 | 14 56 | 1 35 | 12 43 | 0 28 | 17 30 | 1 40 | 8 20 | 12 23 | 18 4 | 17 56 | 18 4 | 15 50 | 3 50 |
| F23 | 20 28 | 4 17 | 4 3 | 22 17 | 1 6 | 23 39 | 0 42 | 7 0 | 1 5 | 23 21 | 0 11 | 14 55 | 1 35 | 12 44 | 0 28 | 17 31 | 1 40 | 8 20 | 12 23 | 18 4 | 17 55 | 18 5 | 15 49 | 3 51 |
| S24 | 20 40 | 8 19 | 3 15 | 22 39 | 1 12 | 23 48 | 0 45 | 6 45 | 1 3 | 23 21 | 0 11 | 14 54 | 1 35 | 12 45 | 0 28 | 17 31 | 1 40 | 8 20 | 12 23 | 18 4 | 17 54 | 18 6 | 15 48 | 3 51 |
| S25 | 20 52 | 11 59 | 2 19 | 23 0 | 1 17 | 23 56 | 0 47 | 6 31 | 1 1 | 23 20 | 0 11 | 14 53 | 1 35 | 12 46 | 0 28 | 17 32 | 1 40 | 8 20 | 12 23 | 18 4 | 17 53 | 18 7 | 15 47 | 3 51 |
| M26 | 21 4 | 15 9 | 1 17 | 23 20 | 1 23 | 24 3 | 0 49 | 6 16 | 0 58 | 23 19 | 0 11 | 14 52 | 1 35 | 12 47 | 0 28 | 17 32 | 1 40 | 8 20 | 12 23 | 18 4 | 17 52 | 18 8 | 15 46 | 3 51 |
| T27 | 21 15 | 17 42 | 0 12 | 23 38 | 1 28 | 24 10 | 0 52 | 6 1 | 0 56 | 23 18 | 0 11 | 14 51 | 1 35 | 12 48 | 0 28 | 17 33 | 1 40 | 8 19 | 12 23 | 18 4 | 17 51 | 18 8 | 15 45 | 3 51 |
| W28 | 21 25 | 19 29 | 0s53 | 23 56 | 1 33 | 24 15 | 0 54 | 5 46 | 0 54 | 23 17 | 0 11 | 14 50 | 1 35 | 12 49 | 0 28 | 17 33 | 1 40 | 8 19 | 12 23 | 18 4 | 17 51 | 18 9 | 15 45 | 3 51 |
| T29 | 21 36 | 20 26 | 1 56 | 24 12 | 1 38 | 24 21 | 0 56 | 5 31 | 0 52 | 23 16 | 0 11 | 14 49 | 1 34 | 12 51 | 0 28 | 17 34 | 1 40 | 8 19 | 12 23 | 18 4 | 17 50 | 18 10 | 15 44 | |

SWISS EPHEMERIS for the year 1640

DECEMBER 1640 GC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|--------|-------|-------|-------|-------|-------|------|-------|-------|--------|-------|-------|--------|
| S 1 | 4 41 25 | 9♁28'21 | 6♁38 | 17♁37 | 28♁ 5 | 19♁10 | 10♁42 | 24♁45 | 5♁18 | 25♁37 | 1°R13 | 21°R 6 | 20♁ 6 | 22♁22 | 26°R41 |
| S 2 | 4 45 21 | 10°29'18 | 18°51 | 19°10 | 29°20 | 19°43 | 10°55 | 24°49 | 5°21 | 25°40 | 1II12 | 21♁ 3 | 20° 2 | 22°29 | 26♁38 |
| M 3 | 4 49 18 | 11°30'16 | 1♁14 | 20°44 | 0♁35 | 20°17 | 11° 8 | 24°53 | 5°24 | 25°42 | 1°10 | 21° 0 | 19°59 | 22°35 | 26°34 |
| T 4 | 4 53 14 | 12°31'14 | 13°50 | 22°17 | 1°50 | 20°50 | 11°21 | 24°56 | 5°28 | 25°44 | 1° 9 | 20°57 | 19°56 | 22°42 | 26°31 |
| W 5 | 4 57 11 | 13°32'14 | 26°42 | 23°51 | 3° 5 | 21°24 | 11°34 | 25° 0 | 5°31 | 25°46 | 1° 8 | 20°55 | 19°53 | 22°48 | 26°28 |
| T 6 | 5 1 8 | 14°33'15 | 9♁52 | 25°24 | 4°20 | 21°58 | 11°48 | 25° 4 | 5°34 | 25°48 | 1° 7 | 20°D54 | 19°50 | 22°55 | 26°25 |
| F 7 | 5 5 4 | 15°34'17 | 23°22 | 26°58 | 5°35 | 22°32 | 12° 1 | 25° 8 | 5°37 | 25°50 | 1° 6 | 20°54 | 19°47 | 23° 2 | 26°21 |
| S 8 | 5 9 1 | 16°35'21 | 7♁15 | 28°31 | 6°50 | 23° 7 | 12°14 | 25°12 | 5°40 | 25°53 | 1° 5 | 20°55 | 19°43 | 23° 8 | 26°18 |
| S 9 | 5 12 57 | 17°36'25 | 21°29 | 0♁ 4 | 8° 4 | 23°41 | 12°27 | 25°16 | 5°43 | 25°55 | 1° 4 | 20°56 | 19°40 | 23°15 | 26°15 |
| M10 | 5 16 54 | 18°37'30 | 6♁ 5 | 1°37 | 9°19 | 24°16 | 12°41 | 25°20 | 5°46 | 25°57 | 1° 3 | 20°58 | 19°37 | 23°22 | 26°12 |
| T 11 | 5 20 50 | 19°38'36 | 20°58 | 3°10 | 10°34 | 24°50 | 12°54 | 25°24 | 5°49 | 25°59 | 1° 2 | 20°R58 | 19°34 | 23°28 | 26° 9 |
| W12 | 5 24 47 | 20°39'44 | 6♁ 1 | 4°43 | 11°49 | 25°25 | 13° 8 | 25°28 | 5°52 | 26° 1 | 1° 1 | 20°58 | 19°31 | 23°35 | 26° 6 |
| T 13 | 5 28 43 | 21°40'51 | 21° 7 | 6°15 | 13° 4 | 26° 0 | 13°21 | 25°33 | 5°55 | 26° 3 | 1° 0 | 20°55 | 19°27 | 23°42 | 26° 3 |
| F 14 | 5 32 40 | 22°42'00 | 6♁ 5 | 7°47 | 14°19 | 26°35 | 13°35 | 25°37 | 5°58 | 26° 5 | 0°59 | 20°51 | 19°24 | 23°48 | 26° 0 |
| S 15 | 5 36 37 | 23°43'09 | 20°47 | 9°18 | 15°34 | 27°11 | 13°48 | 25°42 | 6° 1 | 26° 7 | 0°57 | 20°46 | 19°21 | 23°55 | 25°57 |
| S 16 | 5 40 33 | 24°44'18 | 5♁ 7 | 10°48 | 16°49 | 27°46 | 14° 2 | 25°47 | 6° 4 | 26° 9 | 0°56 | 20°41 | 19°18 | 24° 2 | 25°54 |
| M17 | 5 44 30 | 25°45'27 | 18°59 | 12°18 | 18° 4 | 28°22 | 14°16 | 25°51 | 6° 6 | 26°11 | 0°55 | 20°36 | 19°15 | 24° 8 | 25°51 |
| T 18 | 5 48 26 | 26°46'37 | 2♁23 | 13°46 | 19°19 | 28°57 | 14°30 | 25°56 | 6° 9 | 26°13 | 0°54 | 20°32 | 19°12 | 24°15 | 25°48 |
| W19 | 5 52 23 | 27°47'46 | 15°20 | 15°14 | 20°34 | 29°33 | 14°43 | 26° 1 | 6°12 | 26°15 | 0°53 | 20°29 | 19° 8 | 24°22 | 25°46 |
| T 20 | 5 56 19 | 28°48'56 | 27°54 | 16°39 | 21°49 | 0°V 9 | 14°57 | 26° 6 | 6°14 | 26°17 | 0°52 | 20°D29 | 19° 5 | 24°28 | 25°43 |
| F 21 | 6 0 16 | 29°50'06 | 10°V 8 | 18° 3 | 23° 3 | 0°45 | 15°11 | 26°11 | 6°17 | 26°19 | 0°51 | 20°29 | 19° 2 | 24°35 | 25°40 |
| S 22 | 6 4 12 | 0♁51'15 | 22° 8 | 19°25 | 24°18 | 1°21 | 15°25 | 26°16 | 6°20 | 26°21 | 0°50 | 20°31 | 18°59 | 24°41 | 25°37 |
| S 23 | 6 8 9 | 1°52'25 | 3♁59 | 20°44 | 25°33 | 1°57 | 15°38 | 26°21 | 6°22 | 26°23 | 0°49 | 20°32 | 18°56 | 24°48 | 25°35 |
| M24 | 6 12 6 | 2°53'35 | 15°45 | 22° 0 | 26°48 | 2°33 | 15°52 | 26°26 | 6°25 | 26°25 | 0°49 | 20°R33 | 18°53 | 24°55 | 25°32 |
| T 25 | 6 16 2 | 3°54'44 | 27°32 | 23°13 | 28° 3 | 3° 9 | 16° 6 | 26°32 | 6°27 | 26°27 | 0°48 | 20°33 | 18°49 | 25° 1 | 25°30 |
| W26 | 6 19 59 | 4°55'54 | 9II23 | 24°21 | 29°17 | 3°46 | 16°20 | 26°37 | 6°29 | 26°29 | 0°47 | 20°31 | 18°46 | 25° 8 | 25°27 |
| T 27 | 6 23 55 | 5°57'04 | 21°20 | 25°24 | 0♁32 | 4°22 | 16°34 | 26°42 | 6°32 | 26°31 | 0°46 | 20°27 | 18°43 | 25°15 | 25°25 |
| F 28 | 6 27 52 | 6°58'13 | 3♁27 | 26°22 | 1°47 | 4°59 | 16°48 | 26°48 | 6°34 | 26°33 | 0°45 | 20°20 | 18°40 | 25°21 | 25°23 |
| S 29 | 6 31 48 | 7°59'23 | 15°44 | 27°14 | 3° 1 | 5°35 | 17° 2 | 26°54 | 6°36 | 26°34 | 0°44 | 20°12 | 18°37 | 25°28 | 25°20 |
| S 30 | 6 35 45 | 9° 0'32 | 28°12 | 27°58 | 4°16 | 6°12 | 17°16 | 26°59 | 6°39 | 26°36 | 0°43 | 20° 3 | 18°33 | 25°35 | 25°18 |
| MB1 | 6 39 41 | 10♁ 1'42 | 10♁52 | 28♁34 | 5♁31 | 6°V49 | 17♁30 | 27♁ 5 | 6♁41 | 26♁38 | 0II42 | 19♁53 | 18♁30 | 25♁41 | 25♁16 |

| Day | ☉ | | | ☽ | | | ♀ | | | ♁ | | | ♂ | | | ♃ | | | ♅ | | | ♁ | | | ♁ | | | ♁ | | | ♁ | | |
|------|-------------|------------|------------|-----------|------------|------------|------------|------------|-----------|-------------|-------------|------------|------|-------|------|-------|------|------|-------|-------|-------|-------|-------|------|------|-----|-----|------|-----|-----|---|--|--|
| | decl | decl | lat | decl | lat | lat | decl | lat | lat | decl | lat | lat | decl | lat | lat | decl | lat | lat | decl | lat | lat | decl | lat | lat | decl | lat | lat | decl | lat | lat | | | |
| S 1 | 21s55 | 19n34 | 3s46 | 24s40 | 1s46 | 24s28 | 1s 0 | 5s 1 | 0s47 | 23s15 | 0s11 | 14s46 | 1s34 | 12s53 | 0n28 | 17s35 | 1n40 | 8n19 | 12s22 | 18s 3 | 17s47 | 18n12 | 15n42 | 3s51 | | | | | | | | | |
| S 2 | 22 4 17 45 | 4 27 24 53 | 1 51 24 31 | 1 2 4 46 | 0 45 23 14 | 0 12 14 45 | 1 34 12 54 | 0 28 17 35 | 1 40 8 19 | 12 22 18 3 | 17 47 18 13 | 15 41 3 51 | | | | | | | | | | | | | | | | | | | | | |
| M 3 | 22 12 15 6 | 4 57 25 4 | 1 54 24 33 | 1 4 4 31 | 0 43 23 13 | 0 12 14 44 | 1 34 12 55 | 0 28 17 36 | 1 40 8 19 | 12 22 18 2 | 17 46 18 14 | 15 41 3 51 | | | | | | | | | | | | | | | | | | | | | |
| T 4 | 22 20 11 42 | 5 13 25 13 | 1 58 24 35 | 1 6 4 16 | 0 41 23 12 | 0 12 14 43 | 1 34 12 56 | 0 28 17 36 | 1 40 8 18 | 12 22 18 1 | 17 45 18 14 | 15 40 3 51 | | | | | | | | | | | | | | | | | | | | | |
| W 5 | 22 28 7 43 | 5 14 25 22 | 2 1 24 35 | 1 8 4 1 | 0 39 23 10 | 0 12 14 41 | 1 34 12 57 | 0 28 17 37 | 1 40 8 18 | 12 22 18 1 | 17 45 18 15 | 15 39 3 51 | | | | | | | | | | | | | | | | | | | | | |
| T 6 | 22 35 3 17 | 4 58 25 28 | 2 4 24 35 | 1 10 3 46 | 0 37 23 9 | 0 12 14 40 | 1 34 12 58 | 0 28 17 37 | 1 40 8 18 | 12 22 18 1 | 17 44 18 16 | 15 38 3 51 | | | | | | | | | | | | | | | | | | | | | |
| F 7 | 22 42 1s26 | 4 26 25 34 | 2 7 24 34 | 1 12 3 30 | 0 35 23 8 | 0 12 14 38 | 1 34 12 59 | 0 28 17 38 | 1 40 8 18 | 12 22 18 1 | 17 43 18 17 | 15 38 3 51 | | | | | | | | | | | | | | | | | | | | | |
| S 8 | 22 48 6 13 | 3 28 25 38 | 2 9 24 32 | 1 14 3 15 | 0 33 23 7 | 0 12 14 37 | 1 34 13 0 | 0 28 17 38 | 1 40 8 18 | 12 22 18 1 | 17 42 18 18 | 15 37 3 51 | | | | | | | | | | | | | | | | | | | | | |
| S 9 | 22 54 10 47 | 2 35 25 40 | 2 11 24 30 | 1 16 3 0 | 0 31 23 6 | 0 12 14 36 | 1 34 13 1 | 0 28 17 39 | 1 40 8 18 | 12 22 18 1 | 17 41 18 19 | 15 36 3 51 | | | | | | | | | | | | | | | | | | | | | |
| M10 | 23 0 14 51 | 1 21 25 41 | 2 13 24 26 | 1 17 2 44 | 0 30 23 5 | 0 12 14 34 | 1 33 13 2 | 0 28 17 39 | 1 40 8 18 | 12 22 18 2 | 17 40 18 19 | 15 35 3 51 | | | | | | | | | | | | | | | | | | | | | |
| T 11 | 23 5 18 2 | 0 0 25 41 | 2 14 24 22 | 1 19 2 29 | 0 28 23 4 | 0 12 14 33 | 1 33 13 3 | 0 28 17 40 | 1 40 8 18 | 12 22 18 2 | 17 39 18 20 | 15 35 3 51 | | | | | | | | | | | | | | | | | | | | | |
| W12 | 23 9 20 1 | 1n22 25 38 | 2 15 24 18 | 1 21 2 13 | 0 26 23 2 | 0 12 14 31 | 1 33 13 4 | 0 28 17 40 | 1 40 8 18 | 12 21 18 2 | 17 39 18 21 | 15 34 3 51 | | | | | | | | | | | | | | | | | | | | | |
| T 13 | 23 13 20 34 | 2 38 25 35 | 2 15 24 12 | 1 22 1 58 | 0 24 23 1 | 0 12 14 29 | 1 33 13 5 | 0 28 17 41 | 1 40 8 17 | 12 21 18 1 | 17 38 18 22 | 15 33 3 51 | | | | | | | | | | | | | | | | | | | | | |
| F 14 | 23 17 19 38 | 3 42 25 30 | 2 14 24 6 | 1 24 1 42 | 0 22 23 0 | 0 13 14 28 | 1 33 13 6 | 0 28 17 41 | 1 40 8 17 | 12 21 18 0 | 17 37 18 23 | 15 33 3 51 | | | | | | | | | | | | | | | | | | | | | |
| S 15 | 23 20 17 25 | 4 31 25 23 | 2 14 23 59 | 1 25 1 26 | 0 21 22 59 | 0 13 14 26 | 1 33 13 7 | 0 28 17 42 | 1 40 8 17 | 12 21 17 59 | 17 36 18 23 | 15 32 3 51 | | | | | | | | | | | | | | | | | | | | | |
| S 16 | 23 23 14 9 | 5 1 25 15 | 2 12 23 51 | 1 27 1 11 | 0 19 22 57 | 0 13 14 25 | 1 33 13 8 | 0 28 17 42 | 1 40 8 17 | 12 21 17 57 | 17 35 18 24 | 15 31 3 51 | | | | | | | | | | | | | | | | | | | | | |
| M17 | 23 25 10 13 | 5 12 25 5 | 2 10 23 43 | 1 28 0 55 | 0 17 22 56 | 0 13 14 23 | 1 33 13 9 | 0 28 17 43 | 1 40 8 17 | 12 21 17 56 | 17 34 18 25 | 15 31 3 51 | | | | | | | | | | | | | | | | | | | | | |
| T 18 | 23 27 5 53 | 5 6 24 53 | 2 8 23 34 | 1 29 0 39 | 0 16 22 54 | 0 13 14 21 | 1 33 13 10 | 0 28 17 43 | 1 40 8 17 | 12 21 17 55 | 17 33 18 26 | 15 30 3 51 | | | | | | | | | | | | | | | | | | | | | |
| W19 | 23 28 1 26 | 4 44 24 41 | 2 5 23 24 | 1 30 0 24 | 0 14 22 53 | 0 13 14 19 | 1 33 13 10 | 0 28 17 43 | 1 40 8 17 | 12 20 17 54 | 17 32 18 26 | 15 30 3 51 | | | | | | | | | | | | | | | | | | | | | |
| T 20 | 23 29 2n58 | 4 8 24 26 | 2 1 23 13 | 1 32 0 8 | 0 12 22 52 | 0 13 14 18 | 1 33 13 11 | 0 28 17 44 | 1 40 8 17 | 12 20 17 54 | 17 32 18 27 | 15 29 3 51 | | | | | | | | | | | | | | | | | | | | | |
| F 21 | 23 29 7 7 | 3 23 24 11 | 1 56 23 2 | 1 33 0n 8 | 0 11 22 50 | 0 13 14 16 | 1 33 13 12 | 0 28 17 44 | 1 40 8 17 | 12 20 17 54 | 17 31 18 28 | 15 28 3 51 | | | | | | | | | | | | | | | | | | | | | |
| S 22 | 23 29 10 56 | 2 29 23 54 | 1 50 22 50 | 1 34 0 24 | 0 9 22 49 | 0 13 14 14 | 1 33 13 13 | 0 28 17 45 | 1 40 8 17 | 12 20 17 55 | 17 30 18 29 | 15 28 3 51 | | | | | | | | | | | | | | | | | | | | | |
| S 23 | 23 28 14 16 | 1 29 23 36 | 1 44 22 37 | 1 35 0 39 | 0 8 22 47 | 0 13 14 12 | 1 32 13 14 | 0 28 17 45 | 1 41 8 17 | 12 20 17 55 | 17 29 18 30 | 15 27 3 51 | | | | | | | | | | | | | | | | | | | | | |
| M24 | 23 27 17 0 | 0 26 23 16 | 1 37 22 24 | 1 36 0 55 | 0 8 22 46 | 0 13 14 10 | 1 32 13 15 | 0 28 17 46 | 1 41 8 17 | 12 20 17 55 | 17 28 18 30 | 15 27 3 51 | | | | | | | | | | | | | | | | | | | | | |
| T 25 | 23 26 19 2 | 0s38 22 56 | 1 28 22 10 | 1 36 1 11 | 0 5 22 44 | 0 14 14 9 | 1 32 13 15 | 0 28 17 46 | 1 41 8 17 | 12 19 17 55 | 17 27 18 31 | 15 26 3 51 | | | | | | | | | | | | | | | | | | | | | |
| W26 | 23 24 20 15 | 1 40 22 35 | 1 19 21 55 | 1 37 1 27 | 0 3 22 42 | 0 14 14 7 | 1 32 13 16 | 0 28 17 46 | 1 41 8 17 | 12 19 17 55 | 17 26 18 32 | 15 26 3 51 | | | | | | | | | | | | | | | | | | | | | |
| T 27 | 23 21 20 33 | 2 39 22 13 | 1 9 21 40 | 1 38 1 43 | 0 2 22 41 | 0 14 14 5 | 1 32 13 17 | 0 28 17 47 | 1 41 8 17 | 12 19 17 54 | 17 25 18 33 | 15 25 3 50 | | | | | | | | | | | | | | | | | | | | | |
| F 28 | 23 18 19 56 | 3 31 21 51 | 0 57 21 24 | 1 39 1 58 | 0 1 22 39 | 0 14 14 3 | 1 32 13 18 | 0 28 17 47 | 1 41 8 17 | 12 19 17 52 | 17 25 18 33 | 15 25 3 50 | | | | | | | | | | | | | | | | | | | | | |
| S 29 | 23 15 18 21 | 4 14 21 29 | 0 45 21 8 | 1 39 2 14 | 0n 1 22 38 | 0 14 14 1 | 1 32 13 18 | 0 28 17 48 | 1 41 8 17 | 12 19 17 50 | 17 24 18 34 | 15 24 3 50 | | | | | | | | | | | | | | | | | | | | | |
| S 30 | 23 11 15 54 | 4 45 21 7 | 0 31 20 50 | 1 40 2 30 | 0 2 22 36 | 0 14 13 59 | 1 32 13 19 | 0 28 17 48 | 1 41 8 17 | 12 18 17 47 | 17 23 18 35 | 15 24 3 50 | | | | | | | | | | | | | | | | | | | | | |
| MB1 | 23s 6 | 12n41 | 5s 3 | 20s45 | 0s16 | 20s33 | 1s40 | 2n46 | 0n 4 | 22s34 | 0s14 | 13s57 | 1s32 | 13s20 | 0n28 | 17s48 | 1n41 | 8n17 | 12s18 | 17s45 | 17s22 | 18n35 | 15n23 | 3s50 | | | | | | | | | |

Julian Day Number = 2320392.5, Delta T = 58.40 sec
 Ecliptic obliquity = 23°29'03, Nutation = 0°00'12
 Ayanamsha: Fagan/Bradley = 19°43'43, Lahiri = 18°50'42Greg. Calendar